Governo do Estado do Rio de Janeiro
Secretaria de Estado do Ambiente e Sustentabilidade - SEAS
Instituto Estadual do Ambiente - INEA
Diretoria de Recuperação Ambiental - DIRRAM

Projeto Executivo Pontes sobre Rio Bengalas

Ponte Estaca 203

Memorial Estrutural

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HYDRA ENG. E SANEAMENTO LTDA.

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1. DADOS DE OBRA

1.1. Normas consideradas

Aços laminados e soldados: ABNT NBR 8800:2008

OAE em Aço: ABNT NBR 16694:2020

1.2. Estados limites

E.L.U. Aço laminado	NBR 8800: 2008
Deslocamentos	Ações características

1.2.1. Situações de projeto

Para as distintas situações de projeto, as combinações de ações serão definidas de acordo com os seguintes critérios:

- Situações permanentes ou transitórias

- Com coeficientes de combinação

- Sem coeficientes de combinação

- Combinações acidentais

- Com coeficientes de combinação

- Sem coeficientes de combinação

- Onde:

G_k Ação permanente
P_k Ação de pré-tensão
Q_k Ação variável
A_d Ação acidental
γ_G Coeficiente parcial de segurança das ações permanentes
γ_P Coeficiente parcial de segurança da ação de pré-tensão
$\gamma_{Q,1}$ Coeficiente parcial de segurança da ação variável principal
$\gamma_{Q,i}$ Coeficiente parcial de segurança das ações variáveis de acompanhamento
γ_{Ad} Coeficiente parcial de segurança da ação acidental
$\psi_{p,1}$ Coeficiente de combinação da ação variável principal
$\psi_{a,i}$ Coeficiente de combinação das ações variáveis de acompanhamento

Para cada situação de projeto e estado limite, os coeficientes a utilizar serão:

E.L.U. Aço laminado: ABNT NBR 8800:2008

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Normal				
	Coeficientes parciais de segurança (γ)		Coeficientes de combinação (ψ)	
	Favorável	Desfavorável	Principal (ψ_p)	Acompanhamento (ψ_a)
Permanente (G)	1.000	1.500	-	-
Vento (Q)	0.000	1.400	1.000	0.600

Acidental				
	Coeficientes parciais de segurança (γ)		Coeficientes de combinação (ψ)	
	Favorável	Desfavorável	Principal (ψ_p)	Acompanhamento (ψ_a)
Permanente (G)	1.000	1.300	-	-
Vento (Q)	0.000	1.000	0.000	0.000
Acidental (A)	1.50	1.000	1.000	0.600

Deslocamentos

Ações variáveis sem sismo		
	Coeficientes parciais de segurança (γ)	
	Favorável	Desfavorável
Permanente (G)	1.000	1.000
Vento (Q)	0.000	1.000

2. ESTRUTURA

2.1. Geometria

2.1.1. Nós

Referências:

Δ_x, Δ_y, Δ_z: Deslocamentos prescritos em eixos globais.

θ_x, θ_y, θ_z: Rotações prescritas em eixos globais.

Ux, Uy, Uz: Vetor diretor da reta ou vetor normal ao plano de dependência

Cada grau de liberdade marca-se com 'X' se estiver restringido e, caso contrário, com '-'.

Nós														
Referência	Coordenadas			Vínculo c/ exterior										Vinculação interna
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z	Dependências	Ux	Uy	Uz	
N1	0.000	0.000	0.500	X	X	X	-	-	-	-	-	-	-	Engastado
N2	0.000	11.450	0.500	X	X	X	-	-	-	-	-	-	-	Engastado
N3	26.000	11.450	1.200	-	X	X	-	-	-	Reta	1.000	0.000	0.000	Engastado
N4	1.300	0.000	6.691	-	-	-	-	-	-	-	-	-	-	Engastado
N5	11.700	0.000	8.178	-	-	-	-	-	-	-	-	-	-	Engastado
N6	13.000	0.000	8.239	-	-	-	-	-	-	-	-	-	-	Engastado
N7	14.300	0.000	8.299	-	-	-	-	-	-	-	-	-	-	Engastado
N8	1.300	11.450	6.691	-	-	-	-	-	-	-	-	-	-	Engastado
N9	11.700	11.450	8.178	-	-	-	-	-	-	-	-	-	-	Engastado
N10	14.300	11.450	8.299	-	-	-	-	-	-	-	-	-	-	Engastado

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Nós														
Referência	Coordenadas			Vínculo c/ exterior										Vinculação interna
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z	Dependências	Ux	Uy	Uz	
N11	15.600	11.450	8.176	-	-	-	-	-	-	-	-	-	-	Engastado
N12	16.900	11.450	8.054	-	-	-	-	-	-	-	-	-	-	Engastado
N13	18.200	11.450	7.932	-	-	-	-	-	-	-	-	-	-	Engastado
N14	19.500	11.450	7.810	-	-	-	-	-	-	-	-	-	-	Engastado
N15	20.800	11.450	7.688	-	-	-	-	-	-	-	-	-	-	Engastado
N16	22.100	11.450	7.566	-	-	-	-	-	-	-	-	-	-	Engastado
N17	23.400	11.450	7.444	-	-	-	-	-	-	-	-	-	-	Engastado
N18	24.700	11.450	7.322	-	-	-	-	-	-	-	-	-	-	Engastado
N19	10.400	0.000	1.992	-	-	-	-	-	-	-	-	-	-	Engastado
N20	11.700	0.000	2.052	-	-	-	-	-	-	-	-	-	-	Engastado
N21	14.300	0.000	2.172	-	-	-	-	-	-	-	-	-	-	Engastado
N22	15.600	0.000	2.232	-	-	-	-	-	-	-	-	-	-	Engastado
N23	10.400	11.450	1.992	-	-	-	-	-	-	-	-	-	-	Engastado
N24	15.600	11.450	2.232	-	-	-	-	-	-	-	-	-	-	Engastado
N25	16.900	11.450	2.103	-	-	-	-	-	-	-	-	-	-	Engastado
N26	18.200	11.450	1.974	-	-	-	-	-	-	-	-	-	-	Engastado
N27	19.500	11.450	1.845	-	-	-	-	-	-	-	-	-	-	Engastado
N28	20.800	11.450	1.716	-	-	-	-	-	-	-	-	-	-	Engastado
N29	22.100	11.450	1.587	-	-	-	-	-	-	-	-	-	-	Engastado
N30	23.400	11.450	1.458	-	-	-	-	-	-	-	-	-	-	Engastado
N31	24.700	11.450	1.329	-	-	-	-	-	-	-	-	-	-	Engastado
N32	23.400	5.725	1.458	-	-	-	-	-	-	-	-	-	-	Engastado
N33	26.000	5.725	1.200	-	-	-	-	-	-	-	-	-	-	Engastado
N34	20.800	5.725	1.716	-	-	-	-	-	-	-	-	-	-	Engastado
N35	18.200	5.725	1.974	-	-	-	-	-	-	-	-	-	-	Engastado
N36	15.600	5.725	2.232	-	-	-	-	-	-	-	-	-	-	Engastado
N37	13.000	5.725	2.112	-	-	-	-	-	-	-	-	-	-	Engastado
N38	10.400	5.725	1.992	-	-	-	-	-	-	-	-	-	-	Engastado
N39	7.800	5.725	1.619	-	-	-	-	-	-	-	-	-	-	Engastado
N40	5.200	5.725	1.246	-	-	-	-	-	-	-	-	-	-	Engastado
N41	2.600	5.725	0.873	-	-	-	-	-	-	-	-	-	-	Engastado
N42	0.000	5.725	0.500	-	-	-	-	-	-	-	-	-	-	Engastado
N43	1.300	5.725	6.691	-	-	-	-	-	-	-	-	-	-	Engastado
N44	11.700	5.725	8.178	-	-	-	-	-	-	-	-	-	-	Engastado
N45	14.300	5.725	8.299	-	-	-	-	-	-	-	-	-	-	Engastado
N46	16.900	5.725	8.054	-	-	-	-	-	-	-	-	-	-	Engastado
N47	19.500	5.725	7.810	-	-	-	-	-	-	-	-	-	-	Engastado
N48	22.100	5.725	7.566	-	-	-	-	-	-	-	-	-	-	Engastado
N49	24.700	5.725	7.322	-	-	-	-	-	-	-	-	-	-	Engastado
N50	26.000	1.500	1.200	-	-	-	-	-	-	-	-	-	-	Engastado
N51	26.000	1.900	1.200	-	-	-	-	-	-	-	-	-	-	Engastado
N52	26.000	4.900	1.200	-	-	-	-	-	-	-	-	-	-	Engastado
N53	26.000	9.950	1.200	-	-	-	-	-	-	-	-	-	-	Engastado
N54	26.000	9.550	1.200	-	-	-	-	-	-	-	-	-	-	Engastado
N55	26.000	6.550	1.200	-	-	-	-	-	-	-	-	-	-	Engastado
N56	23.400	1.500	1.458	-	-	-	-	-	-	-	-	-	-	Engastado
N57	23.400	1.900	1.458	-	-	-	-	-	-	-	-	-	-	Engastado
N58	23.400	4.900	1.458	-	-	-	-	-	-	-	-	-	-	Engastado
N59	23.400	9.950	1.458	-	-	-	-	-	-	-	-	-	-	Engastado

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Nós														
Referência	Coordenadas			Vínculo c/ exterior										Vinculação interna
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z	Dependências	Ux	Uy	Uz	
N60	23.400	9.550	1.458	-	-	-	-	-	-	-	-	-	-	Engastado
N61	23.400	6.550	1.458	-	-	-	-	-	-	-	-	-	-	Engastado
N62	20.800	1.500	1.716	-	-	-	-	-	-	-	-	-	-	Engastado
N63	20.800	1.900	1.716	-	-	-	-	-	-	-	-	-	-	Engastado
N64	20.800	4.900	1.716	-	-	-	-	-	-	-	-	-	-	Engastado
N65	20.800	9.950	1.716	-	-	-	-	-	-	-	-	-	-	Engastado
N66	20.800	9.550	1.716	-	-	-	-	-	-	-	-	-	-	Engastado
N67	20.800	6.550	1.716	-	-	-	-	-	-	-	-	-	-	Engastado
N68	18.200	1.500	1.974	-	-	-	-	-	-	-	-	-	-	Engastado
N69	18.200	1.900	1.974	-	-	-	-	-	-	-	-	-	-	Engastado
N70	18.200	4.900	1.974	-	-	-	-	-	-	-	-	-	-	Engastado
N71	18.200	9.950	1.974	-	-	-	-	-	-	-	-	-	-	Engastado
N72	18.200	9.550	1.974	-	-	-	-	-	-	-	-	-	-	Engastado
N73	18.200	6.550	1.974	-	-	-	-	-	-	-	-	-	-	Engastado
N74	15.600	1.500	2.232	-	-	-	-	-	-	-	-	-	-	Engastado
N75	15.600	1.900	2.232	-	-	-	-	-	-	-	-	-	-	Engastado
N76	15.600	4.900	2.232	-	-	-	-	-	-	-	-	-	-	Engastado
N77	15.600	9.950	2.232	-	-	-	-	-	-	-	-	-	-	Engastado
N78	15.600	9.550	2.232	-	-	-	-	-	-	-	-	-	-	Engastado
N79	15.600	6.550	2.232	-	-	-	-	-	-	-	-	-	-	Engastado
N80	13.000	1.500	2.112	-	-	-	-	-	-	-	-	-	-	Engastado
N81	13.000	1.900	2.112	-	-	-	-	-	-	-	-	-	-	Engastado
N82	13.000	4.900	2.112	-	-	-	-	-	-	-	-	-	-	Engastado
N83	13.000	9.950	2.112	-	-	-	-	-	-	-	-	-	-	Engastado
N84	13.000	9.550	2.112	-	-	-	-	-	-	-	-	-	-	Engastado
N85	13.000	6.550	2.112	-	-	-	-	-	-	-	-	-	-	Engastado
N86	10.400	1.500	1.992	-	-	-	-	-	-	-	-	-	-	Engastado
N87	10.400	1.900	1.992	-	-	-	-	-	-	-	-	-	-	Engastado
N88	10.400	4.900	1.992	-	-	-	-	-	-	-	-	-	-	Engastado
N89	10.400	9.950	1.992	-	-	-	-	-	-	-	-	-	-	Engastado
N90	10.400	9.550	1.992	-	-	-	-	-	-	-	-	-	-	Engastado
N91	10.400	6.550	1.992	-	-	-	-	-	-	-	-	-	-	Engastado
N92	0.000	1.500	0.500	-	-	-	-	-	-	-	-	-	-	Engastado
N93	0.000	1.900	0.500	-	-	-	-	-	-	-	-	-	-	Engastado
N94	0.000	4.900	0.500	-	-	-	-	-	-	-	-	-	-	Engastado
N95	0.000	9.950	0.500	-	-	-	-	-	-	-	-	-	-	Engastado
N96	0.000	9.550	0.500	-	-	-	-	-	-	-	-	-	-	Engastado
N97	0.000	6.550	0.500	-	-	-	-	-	-	-	-	-	-	Engastado
N98	13.000	0.000	2.112	-	-	-	-	-	-	-	-	-	-	Engastado
N99	13.000	11.450	8.239	-	-	-	-	-	-	-	-	-	-	Engastado
N100	13.000	11.450	2.112	-	-	-	-	-	-	-	-	-	-	Engastado
N101	14.300	11.450	2.172	-	-	-	-	-	-	-	-	-	-	Engastado
N102	11.700	11.450	2.052	-	-	-	-	-	-	-	-	-	-	Engastado
N103	5.200	11.450	1.246	-	-	-	-	-	-	-	-	-	-	Engastado
N104	7.800	11.450	1.619	-	-	-	-	-	-	-	-	-	-	Engastado
N105	2.600	11.450	0.873	-	-	-	-	-	-	-	-	-	-	Engastado
N106	9.100	11.450	1.805	-	-	-	-	-	-	-	-	-	-	Engastado
N107	6.500	11.450	1.433	-	-	-	-	-	-	-	-	-	-	Engastado
N108	3.900	11.450	1.059	-	-	-	-	-	-	-	-	-	-	Engastado

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Nós														
Referência	Coordenadas			Vínculo c/ exterior										Vinculação interna
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z	Dependências	Ux	Uy	Uz	
N109	1.300	11.450	0.687	-	-	-	-	-	-	-	-	-	-	Engastado
N110	5.200	0.000	1.246	-	-	-	-	-	-	-	-	-	-	Engastado
N111	2.600	0.000	0.873	-	-	-	-	-	-	-	-	-	-	Engastado
N112	7.800	0.000	1.619	-	-	-	-	-	-	-	-	-	-	Engastado
N113	6.500	11.450	7.435	-	-	-	-	-	-	-	-	-	-	Engastado
N114	9.100	11.450	7.807	-	-	-	-	-	-	-	-	-	-	Engastado
N115	3.900	11.450	7.063	-	-	-	-	-	-	-	-	-	-	Engastado
N116	2.600	11.450	6.877	-	-	-	-	-	-	-	-	-	-	Engastado
N117	5.200	11.450	7.249	-	-	-	-	-	-	-	-	-	-	Engastado
N118	7.800	11.450	7.621	-	-	-	-	-	-	-	-	-	-	Engastado
N119	10.400	11.450	7.993	-	-	-	-	-	-	-	-	-	-	Engastado
N120	6.500	0.000	7.435	-	-	-	-	-	-	-	-	-	-	Engastado
N121	3.900	0.000	7.063	-	-	-	-	-	-	-	-	-	-	Engastado
N122	9.100	0.000	7.807	-	-	-	-	-	-	-	-	-	-	Engastado
N123	2.600	0.000	6.877	-	-	-	-	-	-	-	-	-	-	Engastado
N124	5.200	0.000	7.249	-	-	-	-	-	-	-	-	-	-	Engastado
N125	7.800	0.000	7.621	-	-	-	-	-	-	-	-	-	-	Engastado
N126	10.400	0.000	7.993	-	-	-	-	-	-	-	-	-	-	Engastado
N127	7.800	1.500	1.619	-	-	-	-	-	-	-	-	-	-	Engastado
N128	7.800	1.900	1.619	-	-	-	-	-	-	-	-	-	-	Engastado
N129	7.800	4.900	1.619	-	-	-	-	-	-	-	-	-	-	Engastado
N130	7.800	6.550	1.619	-	-	-	-	-	-	-	-	-	-	Engastado
N131	7.800	9.950	1.619	-	-	-	-	-	-	-	-	-	-	Engastado
N132	7.800	9.550	1.619	-	-	-	-	-	-	-	-	-	-	Engastado
N133	5.200	1.500	1.246	-	-	-	-	-	-	-	-	-	-	Engastado
N134	5.200	1.900	1.246	-	-	-	-	-	-	-	-	-	-	Engastado
N135	5.200	4.900	1.246	-	-	-	-	-	-	-	-	-	-	Engastado
N136	5.200	6.550	1.246	-	-	-	-	-	-	-	-	-	-	Engastado
N137	5.200	9.950	1.246	-	-	-	-	-	-	-	-	-	-	Engastado
N138	5.200	9.550	1.246	-	-	-	-	-	-	-	-	-	-	Engastado
N139	2.600	1.500	0.873	-	-	-	-	-	-	-	-	-	-	Engastado
N140	2.600	1.900	0.873	-	-	-	-	-	-	-	-	-	-	Engastado
N141	2.600	4.900	0.873	-	-	-	-	-	-	-	-	-	-	Engastado
N142	2.600	6.550	0.873	-	-	-	-	-	-	-	-	-	-	Engastado
N143	2.600	9.950	0.873	-	-	-	-	-	-	-	-	-	-	Engastado
N144	2.600	9.550	0.873	-	-	-	-	-	-	-	-	-	-	Engastado
N145	14.050	11.450	8.287	-	-	-	-	-	-	-	-	-	-	Engastado
N146	11.950	11.450	8.190	-	-	-	-	-	-	-	-	-	-	Engastado
N147	11.453	11.450	8.143	-	-	-	-	-	-	-	-	-	-	Engastado
N148	9.347	11.450	7.842	-	-	-	-	-	-	-	-	-	-	Engastado
N149	8.853	11.450	7.771	-	-	-	-	-	-	-	-	-	-	Engastado
N150	6.747	11.450	7.470	-	-	-	-	-	-	-	-	-	-	Engastado
N151	6.253	11.450	7.399	-	-	-	-	-	-	-	-	-	-	Engastado
N152	4.147	11.450	7.098	-	-	-	-	-	-	-	-	-	-	Engastado
N153	3.653	11.450	7.027	-	-	-	-	-	-	-	-	-	-	Engastado
N154	1.547	11.450	6.726	-	-	-	-	-	-	-	-	-	-	Engastado
N155	2.353	11.450	0.837	-	-	-	-	-	-	-	-	-	-	Engastado
N156	2.847	11.450	0.909	-	-	-	-	-	-	-	-	-	-	Engastado
N157	5.447	11.450	1.282	-	-	-	-	-	-	-	-	-	-	Engastado

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Nós														
Referência	Coordenadas			Vínculo c/ exterior										Vinculação interna
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z	Dependências	Ux	Uy	Uz	
N158	4.953	11.450	1.210	-	-	-	-	-	-	-	-	-	-	Engastado
N159	7.553	11.450	1.583	-	-	-	-	-	-	-	-	-	-	Engastado
N160	8.047	11.450	1.655	-	-	-	-	-	-	-	-	-	-	Engastado
N161	10.153	11.450	1.956	-	-	-	-	-	-	-	-	-	-	Engastado
N162	10.650	11.450	2.004	-	-	-	-	-	-	-	-	-	-	Engastado
N163	12.750	11.450	2.100	-	-	-	-	-	-	-	-	-	-	Engastado
N164	13.250	11.450	2.124	-	-	-	-	-	-	-	-	-	-	Engastado
N165	14.050	0.000	8.287	-	-	-	-	-	-	-	-	-	-	Engastado
N166	11.950	0.000	8.190	-	-	-	-	-	-	-	-	-	-	Engastado
N167	11.453	0.000	8.143	-	-	-	-	-	-	-	-	-	-	Engastado
N168	9.347	0.000	7.842	-	-	-	-	-	-	-	-	-	-	Engastado
N169	8.853	0.000	7.771	-	-	-	-	-	-	-	-	-	-	Engastado
N170	6.747	0.000	7.470	-	-	-	-	-	-	-	-	-	-	Engastado
N171	6.253	0.000	7.399	-	-	-	-	-	-	-	-	-	-	Engastado
N172	4.147	0.000	7.098	-	-	-	-	-	-	-	-	-	-	Engastado
N173	3.653	0.000	7.027	-	-	-	-	-	-	-	-	-	-	Engastado
N174	2.847	0.000	0.909	-	-	-	-	-	-	-	-	-	-	Engastado
N175	2.353	0.000	0.837	-	-	-	-	-	-	-	-	-	-	Engastado
N176	4.953	0.000	1.210	-	-	-	-	-	-	-	-	-	-	Engastado
N177	5.447	0.000	1.282	-	-	-	-	-	-	-	-	-	-	Engastado
N178	7.553	0.000	1.583	-	-	-	-	-	-	-	-	-	-	Engastado
N179	8.047	0.000	1.655	-	-	-	-	-	-	-	-	-	-	Engastado
N180	10.153	0.000	1.956	-	-	-	-	-	-	-	-	-	-	Engastado
N181	10.650	0.000	2.004	-	-	-	-	-	-	-	-	-	-	Engastado
N182	12.750	0.000	2.100	-	-	-	-	-	-	-	-	-	-	Engastado
N183	13.250	0.000	2.124	-	-	-	-	-	-	-	-	-	-	Engastado
N184	9.100	5.725	7.807	-	-	-	-	-	-	-	-	-	-	Engastado
N185	6.500	5.725	7.435	-	-	-	-	-	-	-	-	-	-	Engastado
N186	3.900	5.725	7.063	-	-	-	-	-	-	-	-	-	-	Engastado
N187	1.547	0.000	6.726	-	-	-	-	-	-	-	-	-	-	Engastado
N188	24.700	5.725	1.329	-	-	-	-	-	-	-	-	-	-	Engastado
N189	22.100	5.725	1.587	-	-	-	-	-	-	-	-	-	-	Engastado
N190	19.500	5.725	1.845	-	-	-	-	-	-	-	-	-	-	Engastado
N191	16.900	5.725	2.103	-	-	-	-	-	-	-	-	-	-	Engastado
N192	23.400	5.725	7.444	-	-	-	-	-	-	-	-	-	-	Engastado
N193	20.800	5.725	7.688	-	-	-	-	-	-	-	-	-	-	Engastado
N194	18.200	5.725	7.932	-	-	-	-	-	-	-	-	-	-	Engastado
N195	15.600	5.725	8.176	-	-	-	-	-	-	-	-	-	-	Engastado
N196	26.000	0.000	1.200	-	X	X	-	-	-	Reta	1.000	0.000	0.000	Engastado
N197	20.800	0.000	1.716	-	-	-	-	-	-	-	-	-	-	Engastado
N198	18.200	0.000	1.974	-	-	-	-	-	-	-	-	-	-	Engastado
N199	23.400	0.000	1.458	-	-	-	-	-	-	-	-	-	-	Engastado
N200	22.100	0.000	1.587	-	-	-	-	-	-	-	-	-	-	Engastado
N201	24.700	0.000	1.329	-	-	-	-	-	-	-	-	-	-	Engastado
N202	19.500	0.000	1.845	-	-	-	-	-	-	-	-	-	-	Engastado
N203	16.900	0.000	2.103	-	-	-	-	-	-	-	-	-	-	Engastado
N204	15.849	0.000	2.207	-	-	-	-	-	-	-	-	-	-	Engastado
N205	15.350	0.000	2.220	-	-	-	-	-	-	-	-	-	-	Engastado
N206	18.449	0.000	1.949	-	-	-	-	-	-	-	-	-	-	Engastado

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Nós														
Referência	Coordenadas			Vínculo c/ exterior										Vinculação interna
	X (m)	Y (m)	Z (m)	Δ_x	Δ_y	Δ_z	θ_x	θ_y	θ_z	Dependências	Ux	Uy	Uz	
N207	17.951	0.000	1.999	-	-	-	-	-	-	-	-	-	-	Engastado
N208	21.049	0.000	1.691	-	-	-	-	-	-	-	-	-	-	Engastado
N209	20.551	0.000	1.741	-	-	-	-	-	-	-	-	-	-	Engastado
N210	23.649	0.000	1.433	-	-	-	-	-	-	-	-	-	-	Engastado
N211	23.151	0.000	1.483	-	-	-	-	-	-	-	-	-	-	Engastado
N212	23.151	11.450	1.483	-	-	-	-	-	-	-	-	-	-	Engastado
N213	23.649	11.450	1.433	-	-	-	-	-	-	-	-	-	-	Engastado
N214	20.551	11.450	1.741	-	-	-	-	-	-	-	-	-	-	Engastado
N215	21.049	11.450	1.691	-	-	-	-	-	-	-	-	-	-	Engastado
N216	17.951	11.450	1.999	-	-	-	-	-	-	-	-	-	-	Engastado
N217	18.449	11.450	1.949	-	-	-	-	-	-	-	-	-	-	Engastado
N218	24.700	0.000	7.322	-	-	-	-	-	-	-	-	-	-	Engastado
N219	19.500	0.000	7.810	-	-	-	-	-	-	-	-	-	-	Engastado
N220	16.900	0.000	8.054	-	-	-	-	-	-	-	-	-	-	Engastado
N221	22.100	0.000	7.566	-	-	-	-	-	-	-	-	-	-	Engastado
N222	23.400	0.000	7.444	-	-	-	-	-	-	-	-	-	-	Engastado
N223	20.800	0.000	7.688	-	-	-	-	-	-	-	-	-	-	Engastado
N224	18.200	0.000	7.932	-	-	-	-	-	-	-	-	-	-	Engastado
N225	15.600	0.000	8.176	-	-	-	-	-	-	-	-	-	-	Engastado
N226	15.350	11.450	2.220	-	-	-	-	-	-	-	-	-	-	Engastado
N227	15.849	11.450	2.207	-	-	-	-	-	-	-	-	-	-	Engastado
N228	14.549	0.000	8.275	-	-	-	-	-	-	-	-	-	-	Engastado
N229	16.651	0.000	8.078	-	-	-	-	-	-	-	-	-	-	Engastado
N230	17.149	0.000	8.031	-	-	-	-	-	-	-	-	-	-	Engastado
N231	19.251	0.000	7.834	-	-	-	-	-	-	-	-	-	-	Engastado
N232	19.749	0.000	7.787	-	-	-	-	-	-	-	-	-	-	Engastado
N233	21.851	0.000	7.590	-	-	-	-	-	-	-	-	-	-	Engastado
N234	22.349	0.000	7.543	-	-	-	-	-	-	-	-	-	-	Engastado
N235	24.451	0.000	7.345	-	-	-	-	-	-	-	-	-	-	Engastado
N236	24.451	11.450	7.345	-	-	-	-	-	-	-	-	-	-	Engastado
N237	22.349	11.450	7.543	-	-	-	-	-	-	-	-	-	-	Engastado
N238	21.851	11.450	7.590	-	-	-	-	-	-	-	-	-	-	Engastado
N239	19.749	11.450	7.787	-	-	-	-	-	-	-	-	-	-	Engastado
N240	19.251	11.450	7.834	-	-	-	-	-	-	-	-	-	-	Engastado
N241	17.149	11.450	8.031	-	-	-	-	-	-	-	-	-	-	Engastado
N242	16.651	11.450	8.078	-	-	-	-	-	-	-	-	-	-	Engastado
N243	14.549	11.450	8.275	-	-	-	-	-	-	-	-	-	-	Engastado

2.1.2. Barras

2.1.2.1. Materiais utilizados

Materiais utilizados							
Material		E (MPa)	ν	G (MPa)	f_y (MPa)	$\alpha_{\cdot t}$ (m/m°C)	γ (kN/m³)
Tipo	Designação						
Aço laminado	A-588 345MPa	200000.00	0.300	77000.00	345.00	0.000012	77.01

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Materiais utilizados							
Material		E (MPa)	ν	G (MPa)	f_y (MPa)	$\alpha_{.t}$ (m/m°C)	γ (kN/m³)
Tipo	Designação						

Notação:
E: Módulo de elasticidade
ν: Módulo de poisson
G: Módulo de corte
f_y: Limite elástico
$\alpha_{.t}$: Coeficiente de dilatação
γ: Peso específico

2.1.2.2. Descrição

Descrição									
Material		Barra (Ni/Nf)	Peça (Ni/Nf)	Perfil(Série)	Comprimento (m)	β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designação								
Aço laminado	A-588 345MPa	N1/N4	N1/N4	CVS 500x281 (CVS)	6.326	1.00	1.00	6.326	6.326
		N175/N187	N175/N187	CVS 500x281 (CVS)	5.944	1.00	1.00	5.944	5.944
		N174/N173	N174/N173	CVS 350x118 (CVS)	6.172	1.00	1.00	6.172	6.172
		N176/N172	N176/N172	CVS 350x118 (CVS)	5.943	1.00	1.00	5.943	5.943
		N177/N171	N177/N171	CVS 350x118 (CVS)	6.171	1.00	1.00	6.171	6.171
		N178/N170	N178/N170	CVS 350x118 (CVS)	5.941	1.00	1.00	5.941	5.941
		N179/N169	N179/N169	CVS 350x118 (CVS)	6.169	1.00	1.00	6.169	6.169
		N180/N168	N180/N168	CVS 350x118 (CVS)	5.940	1.00	1.00	5.940	5.940
		N181/N167	N181/N167	CVS 350x118 (CVS)	6.192	1.00	1.00	6.192	6.192
		N182/N166	N182/N166	CVS 350x118 (CVS)	6.142	1.00	1.00	6.142	6.142
		N183/N165	N183/N165	CVS 350x118 (CVS)	6.215	1.00	1.00	6.215	6.215
		N205/N228	N205/N228	CVS 350x118 (CVS)	6.107	1.00	1.00	6.107	6.107
		N204/N229	N204/N229	CVS 350x118 (CVS)	5.925	1.00	1.00	5.925	5.925
		N207/N230	N207/N230	CVS 350x118 (CVS)	6.085	1.00	1.00	6.085	6.085
		N206/N231	N206/N231	CVS 350x118 (CVS)	5.939	1.00	1.00	5.939	5.939
		N209/N232	N209/N232	CVS 350x118 (CVS)	6.099	1.00	1.00	6.099	6.099
		N208/N233	N208/N233	CVS 350x118 (CVS)	5.953	1.00	1.00	5.953	5.953
		N211/N234	N211/N234	CVS 350x118 (CVS)	6.113	1.00	1.00	6.113	6.113
		N210/N235	N210/N235	CVS 500x281 (CVS)	5.966	1.00	1.00	5.966	5.966
		N196/N218	N196/N218	CVS 500x281 (CVS)	6.259	1.00	1.00	6.259	6.259
		N2/N8	N2/N8	CVS 500x281 (CVS)	6.326	1.00	1.00	6.326	6.326

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Descrição									
Material		Barra (Ni/Nf)	Peça (Ni/Nf)	Perfil(Série)	Comprimento (m)	β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designação								
		N155/N154	N155/N154	CVS 500x281 (CVS)	5.944	1.00	1.00	5.944	5.944
		N156/N153	N156/N153	CVS 350x118 (CVS)	6.172	1.00	1.00	6.172	6.172
		N158/N152	N158/N152	CVS 350x118 (CVS)	5.943	1.00	1.00	5.943	5.943
		N157/N151	N157/N151	CVS 350x118 (CVS)	6.171	1.00	1.00	6.171	6.171
		N159/N150	N159/N150	CVS 350x118 (CVS)	5.941	1.00	1.00	5.941	5.941
		N160/N149	N160/N149	CVS 350x118 (CVS)	6.169	1.00	1.00	6.169	6.169
		N161/N148	N161/N148	CVS 350x118 (CVS)	5.940	1.00	1.00	5.940	5.940
		N162/N147	N162/N147	CVS 350x118 (CVS)	6.192	1.00	1.00	6.192	6.192
		N163/N146	N163/N146	CVS 350x118 (CVS)	6.142	1.00	1.00	6.142	6.142
		N164/N145	N164/N145	CVS 350x118 (CVS)	6.215	1.00	1.00	6.215	6.215
		N226/N243	N226/N243	CVS 350x118 (CVS)	6.107	1.00	1.00	6.107	6.107
		N227/N242	N227/N242	CVS 350x118 (CVS)	5.925	1.00	1.00	5.925	5.925
		N216/N241	N216/N241	CVS 350x118 (CVS)	6.085	1.00	1.00	6.085	6.085
		N217/N240	N217/N240	CVS 350x118 (CVS)	5.939	1.00	1.00	5.939	5.939
		N214/N239	N214/N239	CVS 350x118 (CVS)	6.099	1.00	1.00	6.099	6.099
		N215/N238	N215/N238	CVS 350x118 (CVS)	5.953	1.00	1.00	5.953	5.953
		N212/N237	N212/N237	CVS 350x118 (CVS)	6.113	1.00	1.00	6.113	6.113
		N213/N236	N213/N236	CVS 500x281 (CVS)	5.966	1.00	1.00	5.966	5.966
		N3/N18	N3/N18	CVS 500x281 (CVS)	6.259	1.00	1.00	6.259	6.259
		N1/N92	N1/N2	CVS 600x190 (CVS)	1.500	1.00	1.00	1.500	1.500
		N92/N93	N1/N2	CVS 600x190 (CVS)	0.400	1.00	1.00	0.400	0.400
		N93/N94	N1/N2	CVS 600x190 (CVS)	3.000	1.00	1.00	3.000	3.000
		N94/N42	N1/N2	CVS 600x190 (CVS)	0.825	1.00	1.00	0.825	0.825
		N42/N97	N1/N2	CVS 600x190 (CVS)	0.825	1.00	1.00	0.825	0.825
		N97/N96	N1/N2	CVS 600x190 (CVS)	3.000	1.00	1.00	3.000	3.000
		N96/N95	N1/N2	CVS 600x190 (CVS)	0.400	1.00	1.00	0.400	0.400
		N95/N2	N1/N2	CVS 600x190 (CVS)	1.500	1.00	1.00	1.500	1.500

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Descrição									
Material		Barra (Ni/Nf)	Peça (Ni/Nf)	Perfil(Série)	Comprimento (m)	β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designação								
		N19/N86	N19/N23	CVS 550x329 (CVS)	1.500	1.00	1.00	1.500	1.500
		N86/N87	N19/N23	CVS 550x329 (CVS)	0.400	1.00	1.00	0.400	0.400
		N87/N88	N19/N23	CVS 550x329 (CVS)	3.000	1.00	1.00	3.000	3.000
		N88/N38	N19/N23	CVS 550x329 (CVS)	0.825	1.00	1.00	0.825	0.825
		N38/N91	N19/N23	CVS 550x329 (CVS)	0.825	1.00	1.00	0.825	0.825
		N91/N90	N19/N23	CVS 550x329 (CVS)	3.000	1.00	1.00	3.000	3.000
		N90/N89	N19/N23	CVS 550x329 (CVS)	0.400	1.00	1.00	0.400	0.400
		N89/N23	N19/N23	CVS 550x329 (CVS)	1.500	1.00	1.00	1.500	1.500
		N98/N80	N98/N100	CVS 600x210 (CVS)	1.500	1.00	1.00	1.500	1.500
		N80/N81	N98/N100	CVS 600x210 (CVS)	0.400	1.00	1.00	0.400	0.400
		N81/N82	N98/N100	CVS 600x210 (CVS)	3.000	1.00	1.00	3.000	3.000
		N82/N37	N98/N100	CVS 600x210 (CVS)	0.825	1.00	1.00	0.825	0.825
		N37/N85	N98/N100	CVS 600x210 (CVS)	0.825	1.00	1.00	0.825	0.825
		N85/N84	N98/N100	CVS 600x210 (CVS)	3.000	1.00	1.00	3.000	3.000
		N84/N83	N98/N100	CVS 600x210 (CVS)	0.400	1.00	1.00	0.400	0.400
		N83/N100	N98/N100	CVS 600x210 (CVS)	1.500	1.00	1.00	1.500	1.500
		N22/N74	N22/N24	CVS 600x210 (CVS)	1.500	1.00	1.00	1.500	1.500
		N74/N75	N22/N24	CVS 600x210 (CVS)	0.400	1.00	1.00	0.400	0.400
		N75/N76	N22/N24	CVS 600x210 (CVS)	3.000	1.00	1.00	3.000	3.000
		N76/N36	N22/N24	CVS 600x210 (CVS)	0.825	1.00	1.00	0.825	0.825
		N36/N79	N22/N24	CVS 600x210 (CVS)	0.825	1.00	1.00	0.825	0.825
		N79/N78	N22/N24	CVS 600x210 (CVS)	3.000	1.00	1.00	3.000	3.000
		N78/N77	N22/N24	CVS 600x210 (CVS)	0.400	1.00	1.00	0.400	0.400
		N77/N24	N22/N24	CVS 600x210 (CVS)	1.500	1.00	1.00	1.500	1.500
		N198/N68	N198/N26	CVS 600x210 (CVS)	1.500	1.00	1.00	1.500	1.500
		N68/N69	N198/N26	CVS 600x210 (CVS)	0.400	1.00	1.00	0.400	0.400
		N69/N70	N198/N26	CVS 600x210 (CVS)	3.000	1.00	1.00	3.000	3.000

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Descrição									
Material		Barra (Ni/Nf)	Peça (Ni/Nf)	Perfil(Série)	Comprimento (m)	β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designação								
		N70/N35	N198/N26	CVS 600x210 (CVS)	0.825	1.00	1.00	0.825	0.825
		N35/N73	N198/N26	CVS 600x210 (CVS)	0.825	1.00	1.00	0.825	0.825
		N73/N72	N198/N26	CVS 600x210 (CVS)	3.000	1.00	1.00	3.000	3.000
		N72/N71	N198/N26	CVS 600x210 (CVS)	0.400	1.00	1.00	0.400	0.400
		N71/N26	N198/N26	CVS 600x210 (CVS)	1.500	1.00	1.00	1.500	1.500
		N197/N62	N197/N28	CVS 600x210 (CVS)	1.500	1.00	1.00	1.500	1.500
		N62/N63	N197/N28	CVS 600x210 (CVS)	0.400	1.00	1.00	0.400	0.400
		N63/N64	N197/N28	CVS 600x210 (CVS)	3.000	1.00	1.00	3.000	3.000
		N64/N34	N197/N28	CVS 600x210 (CVS)	0.825	1.00	1.00	0.825	0.825
		N34/N67	N197/N28	CVS 600x210 (CVS)	0.825	1.00	1.00	0.825	0.825
		N67/N66	N197/N28	CVS 600x210 (CVS)	3.000	1.00	1.00	3.000	3.000
		N66/N65	N197/N28	CVS 600x210 (CVS)	0.400	1.00	1.00	0.400	0.400
		N65/N28	N197/N28	CVS 600x210 (CVS)	1.500	1.00	1.00	1.500	1.500
		N199/N56	N199/N30	CVS 600x210 (CVS)	1.500	1.00	1.00	1.500	1.500
		N56/N57	N199/N30	CVS 600x210 (CVS)	0.400	1.00	1.00	0.400	0.400
		N57/N58	N199/N30	CVS 600x210 (CVS)	3.000	1.00	1.00	3.000	3.000
		N58/N32	N199/N30	CVS 600x210 (CVS)	0.825	1.00	1.00	0.825	0.825
		N32/N61	N199/N30	CVS 600x210 (CVS)	0.825	1.00	1.00	0.825	0.825
		N61/N60	N199/N30	CVS 600x210 (CVS)	3.000	1.00	1.00	3.000	3.000
		N60/N59	N199/N30	CVS 600x210 (CVS)	0.400	1.00	1.00	0.400	0.400
		N59/N30	N199/N30	CVS 600x210 (CVS)	1.500	1.00	1.00	1.500	1.500
		N196/N50	N196/N3	CVS 600x190 (CVS)	1.500	1.00	1.00	1.500	1.500
		N50/N51	N196/N3	CVS 600x190 (CVS)	0.400	1.00	1.00	0.400	0.400
		N51/N52	N196/N3	CVS 600x190 (CVS)	3.000	1.00	1.00	3.000	3.000
		N52/N33	N196/N3	CVS 600x190 (CVS)	0.825	1.00	1.00	0.825	0.825
		N33/N55	N196/N3	CVS 600x190 (CVS)	0.825	1.00	1.00	0.825	0.825
		N55/N54	N196/N3	CVS 600x190 (CVS)	3.000	1.00	1.00	3.000	3.000

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Descrição									
Material		Barra (Ni/Nf)	Peça (Ni/Nf)	Perfil(Série)	Comprimento (m)	β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designação								
		N54/N53	N196/N3	CVS 600x190 (CVS)	0.400	1.00	1.00	0.400	0.400
		N53/N3	N196/N3	CVS 600x190 (CVS)	1.500	1.00	1.00	1.500	1.500
		N4/N43	N4/N8	CVS 300x57 (CVS)	5.725	1.00	1.00	5.725	5.725
		N43/N8	N4/N8	CVS 300x57 (CVS)	5.725	1.00	1.00	5.725	5.725
		N5/N44	N5/N9	VS 200x26 (VS)	5.725	1.00	1.00	5.725	5.725
		N44/N9	N5/N9	VS 200x26 (VS)	5.725	1.00	1.00	5.725	5.725
		N7/N45	N7/N10	VS 200x26 (VS)	5.725	1.00	1.00	5.725	5.725
		N45/N10	N7/N10	VS 200x26 (VS)	5.725	1.00	1.00	5.725	5.725
		N220/N46	N220/N12	VS 200x26 (VS)	5.725	1.00	1.00	5.725	5.725
		N46/N12	N220/N12	VS 200x26 (VS)	5.725	1.00	1.00	5.725	5.725
		N219/N47	N219/N14	VS 200x26 (VS)	5.725	1.00	1.00	5.725	5.725
		N47/N14	N219/N14	VS 200x26 (VS)	5.725	1.00	1.00	5.725	5.725
		N221/N48	N221/N16	VS 200x26 (VS)	5.725	1.00	1.00	5.725	5.725
		N48/N16	N221/N16	VS 200x26 (VS)	5.725	1.00	1.00	5.725	5.725
		N218/N49	N218/N18	CVS 300x57 (CVS)	5.725	1.00	1.00	5.725	5.725
		N49/N18	N218/N18	CVS 300x57 (CVS)	5.725	1.00	1.00	5.725	5.725
		N39/N38	N39/N38	VS 200x19 (VS)	2.627	1.00	1.00	2.627	2.627
		N40/N39	N40/N39	VS 200x19 (VS)	2.627	1.00	1.00	2.627	2.627
		N41/N40	N41/N40	VS 200x19 (VS)	2.627	1.00	1.00	2.627	2.627
		N42/N41	N42/N41	VS 200x19 (VS)	2.627	1.00	1.00	2.627	2.627
		N43/N186	N43/N186	VS 200x19 (VS)	2.626	1.00	1.00	2.626	2.626
		N186/N185	N186/N185	VS 200x19 (VS)	2.626	1.00	1.00	2.626	2.626
		N185/N184	N185/N184	VS 200x19 (VS)	2.626	1.00	1.00	2.626	2.626
		N184/N44	N184/N44	VS 200x19 (VS)	2.626	1.00	1.00	2.626	2.626
		N44/N45	N44/N45	VS 200x19 (VS)	2.603	1.00	1.00	2.603	2.603
		N8/N186	N8/N186	L 60 x 60 x 4 (L)	6.299	0.00	0.00	-	-
		N4/N186	N4/N186	L 60 x 60 x 4 (L)	6.299	0.00	0.00	-	-
		N115/N185	N115/N185	L 60 x 60 x 4 (L)	6.299	0.00	0.00	-	-
		N121/N185	N121/N185	L 60 x 60 x 4 (L)	6.299	0.00	0.00	-	-
		N113/N184	N113/N184	L 60 x 60 x 4 (L)	6.299	0.00	0.00	-	-
		N120/N184	N120/N184	L 60 x 60 x 4 (L)	6.299	0.00	0.00	-	-
		N114/N44	N114/N44	L 60 x 60 x 4 (L)	6.299	0.00	0.00	-	-
		N122/N44	N122/N44	L 60 x 60 x 4 (L)	6.299	0.00	0.00	-	-
		N220/N45	N220/N45	L 60 x 60 x 4 (L)	6.292	0.00	0.00	-	-
		N12/N45	N12/N45	L 60 x 60 x 4 (L)	6.292	0.00	0.00	-	-
		N14/N46	N14/N46	L 60 x 60 x 4 (L)	6.292	0.00	0.00	-	-
		N16/N47	N16/N47	L 60 x 60 x 4 (L)	6.292	0.00	0.00	-	-
		N18/N48	N18/N48	L 60 x 60 x 4 (L)	6.292	0.00	0.00	-	-
		N37/N36	N37/N36	VS 200x19 (VS)	2.603	1.00	1.00	2.603	2.603
		N38/N37	N38/N37	VS 200x19 (VS)	2.603	1.00	1.00	2.603	2.603
		N112/N127	N112/N104	CVS 550x329 (CVS)	1.500	1.00	1.00	1.500	1.500
		N127/N128	N112/N104	CVS 550x329 (CVS)	0.400	1.00	1.00	0.400	0.400

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Descrição									
Material		Barra (Ni/Nf)	Peça (Ni/Nf)	Perfil(Série)	Comprimento (m)	β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designação								
		N128/N129	N112/N104	CVS 550x329 (CVS)	3.000	1.00	1.00	3.000	3.000
		N129/N39	N112/N104	CVS 550x329 (CVS)	0.825	1.00	1.00	0.825	0.825
		N39/N130	N112/N104	CVS 550x329 (CVS)	0.825	1.00	1.00	0.825	0.825
		N130/N132	N112/N104	CVS 550x329 (CVS)	3.000	1.00	1.00	3.000	3.000
		N132/N131	N112/N104	CVS 550x329 (CVS)	0.400	1.00	1.00	0.400	0.400
		N131/N104	N112/N104	CVS 550x329 (CVS)	1.500	1.00	1.00	1.500	1.500
		N2/N109	N2/N23	CVS 600x239 (CVS)	1.313	1.00	1.00	1.313	1.313
		N109/N155	N2/N23	CVS 600x239 (CVS)	1.063	1.00	1.00	1.063	1.063
		N155/N105	N2/N23	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N105/N156	N2/N23	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N156/N108	N2/N23	CVS 600x239 (CVS)	1.063	1.00	1.00	1.063	1.063
		N108/N158	N2/N23	CVS 600x239 (CVS)	1.063	1.00	1.00	1.063	1.063
		N158/N103	N2/N23	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N103/N157	N2/N23	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N157/N107	N2/N23	CVS 600x239 (CVS)	1.063	1.00	1.00	1.063	1.063
		N107/N159	N2/N23	CVS 600x239 (CVS)	1.063	1.00	1.00	1.063	1.063
		N159/N104	N2/N23	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N104/N160	N2/N23	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N160/N106	N2/N23	CVS 600x239 (CVS)	1.063	1.00	1.00	1.063	1.063
		N106/N161	N2/N23	CVS 600x239 (CVS)	1.063	1.00	1.00	1.063	1.063
		N161/N23	N2/N23	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N1/N175	N1/N19	CVS 600x239 (CVS)	2.377	1.00	1.00	2.377	2.377
		N175/N111	N1/N19	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N111/N174	N1/N19	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N174/N176	N1/N19	CVS 600x239 (CVS)	2.127	1.00	1.00	2.127	2.127
		N176/N110	N1/N19	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N110/N177	N1/N19	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250

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Descrição									
Material		Barra (Ni/Nf)	Peça (Ni/Nf)	Perfil(Série)	Comprimento (m)	β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designação								
		N177/N178	N1/N19	CVS 600x239 (CVS)	2.127	1.00	1.00	2.127	2.127
		N178/N112	N1/N19	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N112/N179	N1/N19	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N179/N180	N1/N19	CVS 600x239 (CVS)	2.127	1.00	1.00	2.127	2.127
		N180/N19	N1/N19	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N9/N146	N9/N10	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N146/N99	N9/N10	CVS 600x190 (CVS)	1.051	1.00	1.00	1.051	1.051
		N99/N145	N9/N10	CVS 600x190 (CVS)	1.051	1.00	1.00	1.051	1.051
		N145/N10	N9/N10	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N5/N166	N5/N7	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N166/N6	N5/N7	CVS 600x190 (CVS)	1.051	1.00	1.00	1.051	1.051
		N6/N165	N5/N7	CVS 600x190 (CVS)	1.051	1.00	1.00	1.051	1.051
		N165/N7	N5/N7	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N111/N139	N111/N105	CVS 500x204 (CVS)	1.500	1.00	1.00	1.500	1.500
		N139/N140	N111/N105	CVS 500x204 (CVS)	0.400	1.00	1.00	0.400	0.400
		N140/N141	N111/N105	CVS 500x204 (CVS)	3.000	1.00	1.00	3.000	3.000
		N141/N41	N111/N105	CVS 500x204 (CVS)	0.825	1.00	1.00	0.825	0.825
		N41/N142	N111/N105	CVS 500x204 (CVS)	0.825	1.00	1.00	0.825	0.825
		N142/N144	N111/N105	CVS 500x204 (CVS)	3.000	1.00	1.00	3.000	3.000
		N144/N143	N111/N105	CVS 500x204 (CVS)	0.400	1.00	1.00	0.400	0.400
		N143/N105	N111/N105	CVS 500x204 (CVS)	1.500	1.00	1.00	1.500	1.500
		N110/N133	N110/N103	CVS 550x329 (CVS)	1.500	1.00	1.00	1.500	1.500
		N133/N134	N110/N103	CVS 550x329 (CVS)	0.400	1.00	1.00	0.400	0.400
		N134/N135	N110/N103	CVS 550x329 (CVS)	3.000	1.00	1.00	3.000	3.000
		N135/N40	N110/N103	CVS 550x329 (CVS)	0.825	1.00	1.00	0.825	0.825
		N40/N136	N110/N103	CVS 550x329 (CVS)	0.825	1.00	1.00	0.825	0.825
		N136/N138	N110/N103	CVS 550x329 (CVS)	3.000	1.00	1.00	3.000	3.000

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Descrição									
Material		Barra (Ni/Nf)	Peça (Ni/Nf)	Perfil(Série)	Comprimento (m)	β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designação								
		N138/N137	N110/N103	CVS 550x329 (CVS)	0.400	1.00	1.00	0.400	0.400
		N137/N103	N110/N103	CVS 550x329 (CVS)	1.500	1.00	1.00	1.500	1.500
		N122/N184	N122/N114	VS 200x26 (VS)	5.725	1.00	1.00	5.725	5.725
		N184/N114	N122/N114	VS 200x26 (VS)	5.725	1.00	1.00	5.725	5.725
		N120/N185	N120/N113	VS 200x26 (VS)	5.725	1.00	1.00	5.725	5.725
		N185/N113	N120/N113	VS 200x26 (VS)	5.725	1.00	1.00	5.725	5.725
		N121/N186	N121/N115	VS 200x26 (VS)	5.725	1.00	1.00	5.725	5.725
		N186/N115	N121/N115	VS 200x26 (VS)	5.725	1.00	1.00	5.725	5.725
		N28/N35	N28/N35	L 45 x 45 x 5 (L)	6.293	0.00	0.00	-	-
		N197/N35	N197/N35	L 45 x 45 x 5 (L)	6.293	0.00	0.00	-	-
		N32/N197	N32/N197	L 45 x 45 x 5 (L)	6.293	0.00	0.00	-	-
		N32/N28	N32/N28	L 45 x 45 x 5 (L)	6.293	0.00	0.00	-	-
		N30/N34	N30/N34	L 45 x 45 x 5 (L)	6.293	0.00	0.00	-	-
		N199/N34	N199/N34	L 45 x 45 x 5 (L)	6.293	0.00	0.00	-	-
		N34/N198	N34/N198	L 45 x 45 x 5 (L)	6.293	0.00	0.00	-	-
		N34/N26	N34/N26	L 45 x 45 x 5 (L)	6.293	0.00	0.00	-	-
		N41/N103	N41/N103	L 45 x 45 x 5 (L)	6.299	0.00	0.00	-	-
		N103/N39	N103/N39	L 45 x 45 x 5 (L)	6.299	0.00	0.00	-	-
		N40/N104	N40/N104	L 45 x 45 x 5 (L)	6.299	0.00	0.00	-	-
		N105/N40	N105/N40	L 45 x 45 x 5 (L)	6.299	0.00	0.00	-	-
		N41/N110	N41/N110	L 45 x 45 x 5 (L)	6.299	0.00	0.00	-	-
		N110/N39	N110/N39	L 45 x 45 x 5 (L)	6.299	0.00	0.00	-	-
		N40/N112	N40/N112	L 45 x 45 x 5 (L)	6.299	0.00	0.00	-	-
		N111/N40	N111/N40	L 45 x 45 x 5 (L)	6.299	0.00	0.00	-	-
		N43/N115	N43/N115	L 60 x 60 x 4 (L)	6.299	0.00	0.00	-	-
		N43/N121	N43/N121	L 60 x 60 x 4 (L)	6.299	0.00	0.00	-	-
		N186/N113	N186/N113	L 60 x 60 x 4 (L)	6.299	0.00	0.00	-	-
		N186/N120	N186/N120	L 60 x 60 x 4 (L)	6.299	0.00	0.00	-	-
		N185/N114	N185/N114	L 60 x 60 x 4 (L)	6.299	0.00	0.00	-	-
		N185/N122	N185/N122	L 60 x 60 x 4 (L)	6.299	0.00	0.00	-	-
		N184/N9	N184/N9	L 60 x 60 x 4 (L)	6.299	0.00	0.00	-	-
		N184/N5	N184/N5	L 60 x 60 x 4 (L)	6.299	0.00	0.00	-	-
		N46/N10	N46/N10	L 60 x 60 x 4 (L)	6.292	0.00	0.00	-	-
		N46/N7	N46/N7	L 60 x 60 x 4 (L)	6.292	0.00	0.00	-	-
		N47/N12	N47/N12	L 60 x 60 x 4 (L)	6.292	0.00	0.00	-	-
		N48/N14	N48/N14	L 60 x 60 x 4 (L)	6.292	0.00	0.00	-	-
		N49/N16	N49/N16	L 60 x 60 x 4 (L)	6.292	0.00	0.00	-	-
		N9/N45	N9/N45	L 60 x 60 x 4 (L)	6.289	0.00	0.00	-	-
		N5/N45	N5/N45	L 60 x 60 x 4 (L)	6.289	0.00	0.00	-	-
		N44/N10	N44/N10	L 60 x 60 x 4 (L)	6.289	0.00	0.00	-	-
		N44/N7	N44/N7	L 60 x 60 x 4 (L)	6.289	0.00	0.00	-	-
		N121/N172	N121/N5	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N172/N124	N121/N5	CVS 600x190 (CVS)	1.063	1.00	1.00	1.063	1.063
		N124/N171	N121/N5	CVS 600x190 (CVS)	1.063	1.00	1.00	1.063	1.063
		N171/N120	N121/N5	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250

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Descrição									
Material		Barra (Ni/Nf)	Peça (Ni/Nf)	Perfil(Série)	Comprimento (m)	β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designação								
		N120/N170	N121/N5	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N170/N125	N121/N5	CVS 600x190 (CVS)	1.063	1.00	1.00	1.063	1.063
		N125/N169	N121/N5	CVS 600x190 (CVS)	1.063	1.00	1.00	1.063	1.063
		N169/N122	N121/N5	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N122/N168	N121/N5	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N168/N126	N121/N5	CVS 600x190 (CVS)	1.063	1.00	1.00	1.063	1.063
		N126/N167	N121/N5	CVS 600x190 (CVS)	1.063	1.00	1.00	1.063	1.063
		N167/N5	N121/N5	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N115/N152	N115/N9	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N152/N117	N115/N9	CVS 600x190 (CVS)	1.063	1.00	1.00	1.063	1.063
		N117/N151	N115/N9	CVS 600x190 (CVS)	1.063	1.00	1.00	1.063	1.063
		N151/N113	N115/N9	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N113/N150	N115/N9	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N150/N118	N115/N9	CVS 600x190 (CVS)	1.063	1.00	1.00	1.063	1.063
		N118/N149	N115/N9	CVS 600x190 (CVS)	1.063	1.00	1.00	1.063	1.063
		N149/N114	N115/N9	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N114/N148	N115/N9	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N148/N119	N115/N9	CVS 600x190 (CVS)	1.063	1.00	1.00	1.063	1.063
		N119/N147	N115/N9	CVS 600x190 (CVS)	1.063	1.00	1.00	1.063	1.063
		N147/N9	N115/N9	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N8/N154	N8/N115	CVS 600x412 (CVS)	0.250	1.00	1.00	0.250	0.250
		N154/N116	N8/N115	CVS 600x412 (CVS)	1.063	1.00	1.00	1.063	1.063
		N116/N153	N8/N115	CVS 600x412 (CVS)	1.063	1.00	1.00	1.063	1.063
		N153/N115	N8/N115	CVS 600x412 (CVS)	0.250	1.00	1.00	0.250	0.250
		N4/N187	N4/N121	CVS 600x412 (CVS)	0.250	1.00	1.00	0.250	0.250
		N187/N123	N4/N121	CVS 600x412 (CVS)	1.063	1.00	1.00	1.063	1.063
		N123/N173	N4/N121	CVS 600x412 (CVS)	1.063	1.00	1.00	1.063	1.063

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Descrição									
Material		Barra (Ni/Nf)	Peça (Ni/Nf)	Perfil(Série)	Comprimento (m)	β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designação								
		N173/N121	N4/N121	CVS 600x412 (CVS)	0.250	1.00	1.00	0.250	0.250
		N33/N188	N33/N188	VS 200x19 (VS)	1.306	1.00	1.00	1.306	1.306
		N188/N32	N188/N32	VS 200x19 (VS)	1.306	1.00	1.00	1.306	1.306
		N3/N31	N3/N24	CVS 600x239 (CVS)	1.306	1.00	1.00	1.306	1.306
		N31/N213	N3/N24	CVS 600x239 (CVS)	1.056	1.00	1.00	1.056	1.056
		N213/N30	N3/N24	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N30/N212	N3/N24	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N212/N29	N3/N24	CVS 600x239 (CVS)	1.056	1.00	1.00	1.056	1.056
		N29/N215	N3/N24	CVS 600x239 (CVS)	1.056	1.00	1.00	1.056	1.056
		N215/N28	N3/N24	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N28/N214	N3/N24	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N214/N27	N3/N24	CVS 600x239 (CVS)	1.056	1.00	1.00	1.056	1.056
		N27/N217	N3/N24	CVS 600x239 (CVS)	1.056	1.00	1.00	1.056	1.056
		N217/N26	N3/N24	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N26/N216	N3/N24	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N216/N25	N3/N24	CVS 600x239 (CVS)	1.056	1.00	1.00	1.056	1.056
		N25/N227	N3/N24	CVS 600x239 (CVS)	1.056	1.00	1.00	1.056	1.056
		N227/N24	N3/N24	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N196/N201	N196/N22	CVS 600x239 (CVS)	1.306	1.00	1.00	1.306	1.306
		N201/N210	N196/N22	CVS 600x239 (CVS)	1.056	1.00	1.00	1.056	1.056
		N210/N199	N196/N22	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N199/N211	N196/N22	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N211/N200	N196/N22	CVS 600x239 (CVS)	1.056	1.00	1.00	1.056	1.056
		N200/N208	N196/N22	CVS 600x239 (CVS)	1.056	1.00	1.00	1.056	1.056
		N208/N197	N196/N22	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N197/N209	N196/N22	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N209/N202	N196/N22	CVS 600x239 (CVS)	1.056	1.00	1.00	1.056	1.056
		N202/N206	N196/N22	CVS 600x239 (CVS)	1.056	1.00	1.00	1.056	1.056

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Descrição									
Material		Barra (Ni/Nf)	Peça (Ni/Nf)	Perfil(Série)	Comprimento (m)	β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designação								
		N206/N198	N196/N22	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N198/N207	N196/N22	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N207/N203	N196/N22	CVS 600x239 (CVS)	1.056	1.00	1.00	1.056	1.056
		N203/N204	N196/N22	CVS 600x239 (CVS)	1.056	1.00	1.00	1.056	1.056
		N204/N22	N196/N22	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N205/N22	N205/N22	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N19/N181	N19/N205	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N181/N20	N19/N205	CVS 600x239 (CVS)	1.051	1.00	1.00	1.051	1.051
		N20/N182	N19/N205	CVS 600x239 (CVS)	1.051	1.00	1.00	1.051	1.051
		N182/N98	N19/N205	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N98/N183	N19/N205	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N183/N21	N19/N205	CVS 600x239 (CVS)	1.051	1.00	1.00	1.051	1.051
		N21/N205	N19/N205	CVS 600x239 (CVS)	1.051	1.00	1.00	1.051	1.051
		N23/N162	N23/N24	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N162/N102	N23/N24	CVS 600x239 (CVS)	1.051	1.00	1.00	1.051	1.051
		N102/N163	N23/N24	CVS 600x239 (CVS)	1.051	1.00	1.00	1.051	1.051
		N163/N100	N23/N24	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N100/N164	N23/N24	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N164/N101	N23/N24	CVS 600x239 (CVS)	1.051	1.00	1.00	1.051	1.051
		N101/N226	N23/N24	CVS 600x239 (CVS)	1.051	1.00	1.00	1.051	1.051
		N226/N24	N23/N24	CVS 600x239 (CVS)	0.250	1.00	1.00	0.250	0.250
		N47/N194	N47/N46	VS 200x19 (VS)	1.306	1.00	1.00	1.306	1.306
		N194/N46	N47/N46	VS 200x19 (VS)	1.306	1.00	1.00	1.306	1.306
		N48/N193	N48/N47	VS 200x19 (VS)	1.306	1.00	1.00	1.306	1.306
		N193/N47	N48/N47	VS 200x19 (VS)	1.306	1.00	1.00	1.306	1.306
		N49/N192	N49/N48	VS 200x19 (VS)	1.306	1.00	1.00	1.306	1.306
		N192/N48	N49/N48	VS 200x19 (VS)	1.306	1.00	1.00	1.306	1.306
		N46/N195	N46/N45	VS 200x19 (VS)	1.306	1.00	1.00	1.306	1.306
		N195/N45	N46/N45	VS 200x19 (VS)	1.306	1.00	1.00	1.306	1.306
		N35/N191	N35/N36	VS 200x19 (VS)	1.306	1.00	1.00	1.306	1.306
		N191/N36	N35/N36	VS 200x19 (VS)	1.306	1.00	1.00	1.306	1.306
		N34/N190	N34/N35	VS 200x19 (VS)	1.306	1.00	1.00	1.306	1.306
		N190/N35	N34/N35	VS 200x19 (VS)	1.306	1.00	1.00	1.306	1.306

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Descrição									
Material		Barra (Ni/Nf)	Peça (Ni/Nf)	Perfil(Série)	Comprimento (m)	β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designação								
		N32/N189	N32/N34	VS 200x19 (VS)	1.306	1.00	1.00	1.306	1.306
		N189/N34	N32/N34	VS 200x19 (VS)	1.306	1.00	1.00	1.306	1.306
		N219/N46	N219/N46	L 60 x 60 x 4 (L)	6.292	0.00	0.00	-	-
		N47/N220	N47/N220	L 60 x 60 x 4 (L)	6.292	0.00	0.00	-	-
		N218/N48	N218/N48	L 60 x 60 x 4 (L)	6.292	0.00	0.00	-	-
		N49/N221	N49/N221	L 60 x 60 x 4 (L)	6.292	0.00	0.00	-	-
		N221/N47	N221/N47	L 60 x 60 x 4 (L)	6.292	0.00	0.00	-	-
		N48/N219	N48/N219	L 60 x 60 x 4 (L)	6.292	0.00	0.00	-	-
		N218/N235	N218/N221	CVS 600x412 (CVS)	0.250	1.00	1.00	0.250	0.250
		N235/N222	N218/N221	CVS 600x412 (CVS)	1.056	1.00	1.00	1.056	1.056
		N222/N234	N218/N221	CVS 600x412 (CVS)	1.056	1.00	1.00	1.056	1.056
		N234/N221	N218/N221	CVS 600x412 (CVS)	0.250	1.00	1.00	0.250	0.250
		N221/N233	N221/N7	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N233/N223	N221/N7	CVS 600x190 (CVS)	1.056	1.00	1.00	1.056	1.056
		N223/N232	N221/N7	CVS 600x190 (CVS)	1.056	1.00	1.00	1.056	1.056
		N232/N219	N221/N7	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N219/N231	N221/N7	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N231/N224	N221/N7	CVS 600x190 (CVS)	1.056	1.00	1.00	1.056	1.056
		N224/N230	N221/N7	CVS 600x190 (CVS)	1.056	1.00	1.00	1.056	1.056
		N230/N220	N221/N7	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N220/N229	N221/N7	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N229/N225	N221/N7	CVS 600x190 (CVS)	1.056	1.00	1.00	1.056	1.056
		N225/N228	N221/N7	CVS 600x190 (CVS)	1.056	1.00	1.00	1.056	1.056
		N228/N7	N221/N7	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N16/N238	N16/N10	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N238/N15	N16/N10	CVS 600x190 (CVS)	1.056	1.00	1.00	1.056	1.056
		N15/N239	N16/N10	CVS 600x190 (CVS)	1.056	1.00	1.00	1.056	1.056
		N239/N14	N16/N10	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N14/N240	N16/N10	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N240/N13	N16/N10	CVS 600x190 (CVS)	1.056	1.00	1.00	1.056	1.056
		N13/N241	N16/N10	CVS 600x190 (CVS)	1.056	1.00	1.00	1.056	1.056

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Descrição									
Material		Barra (Ni/Nf)	Peça (Ni/Nf)	Perfil(Série)	Comprimento (m)	β_{xy}	β_{xz}	$Lb_{Sup.}$ (m)	$Lb_{Inf.}$ (m)
Tipo	Designação								
		N241/N12	N16/N10	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N12/N242	N16/N10	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N242/N11	N16/N10	CVS 600x190 (CVS)	1.056	1.00	1.00	1.056	1.056
		N11/N243	N16/N10	CVS 600x190 (CVS)	1.056	1.00	1.00	1.056	1.056
		N243/N10	N16/N10	CVS 600x190 (CVS)	0.250	1.00	1.00	0.250	0.250
		N18/N236	N18/N16	CVS 600x412 (CVS)	0.250	1.00	1.00	0.250	0.250
		N236/N17	N18/N16	CVS 600x412 (CVS)	1.056	1.00	1.00	1.056	1.056
		N17/N237	N18/N16	CVS 600x412 (CVS)	1.056	1.00	1.00	1.056	1.056
		N237/N16	N18/N16	CVS 600x412 (CVS)	0.250	1.00	1.00	0.250	0.250

Notação:
Ni: Nó inicial
Nf: Nó final
β_{xy}: Coeficiente de flambagem no plano 'XY'
β_{xz}: Coeficiente de flambagem no plano 'XZ'
$Lb_{Sup.}$: Espaçamento entre travamentos do banzo superior
$Lb_{Inf.}$: Espaçamento entre travamentos do banzo inferior

2.1.2.3. Características mecânicas

Tipos de peça	
Ref.	Peças
1	N1/N4, N175/N187, N210/N235, N196/N218, N2/N8, N155/N154, N213/N236 e N3/N18
2	N174/N173, N176/N172, N177/N171, N178/N170, N179/N169, N180/N168, N181/N167, N182/N166, N183/N165, N205/N228, N204/N229, N207/N230, N206/N231, N209/N232, N208/N233, N211/N234, N156/N153, N158/N152, N157/N151, N159/N150, N160/N149, N161/N148, N162/N147, N163/N146, N164/N145, N226/N243, N227/N242, N216/N241, N217/N240, N214/N239, N215/N238 e N212/N237
3	N1/N2 e N196/N3
4	N19/N23, N112/N104 e N110/N103
5	N98/N100, N22/N24, N198/N26, N197/N28 e N199/N30
6	N4/N8 e N218/N18
7	N5/N9, N7/N10, N220/N12, N219/N14, N221/N16, N122/N114, N120/N113 e N121/N115
8	N39/N38, N40/N39, N41/N40, N42/N41, N43/N186, N186/N185, N185/N184, N184/N44, N44/N45, N37/N36, N38/N37, N33/N188, N188/N32, N47/N46, N48/N47, N49/N48, N46/N45, N35/N36, N34/N35 e N32/N34
9	N8/N186, N4/N186, N115/N185, N121/N185, N113/N184, N120/N184, N114/N44, N122/N44, N220/N45, N12/N45, N14/N46, N16/N47, N18/N48, N43/N115, N43/N121, N186/N113, N186/N120, N185/N114, N185/N122, N184/N9, N184/N5, N46/N10, N46/N7, N47/N12, N48/N14, N49/N16, N9/N45, N5/N45, N44/N10, N44/N7, N219/N46, N47/N220, N218/N48, N49/N221, N221/N47 e N48/N219
10	N2/N23, N1/N19, N3/N24, N196/N22, N205/N22, N19/N205 e N23/N24
11	N9/N10, N5/N7, N121/N5, N115/N9, N221/N7 e N16/N10
12	N111/N105
13	N28/N35, N197/N35, N32/N197, N32/N28, N30/N34, N199/N34, N34/N198, N34/N26, N41/N103, N103/N39, N40/N104, N105/N40, N41/N110, N110/N39, N40/N112 e N111/N40
14	N8/N115, N4/N121, N218/N221 e N18/N16

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Características mecânicas									
Material		Ref.	Descrição	A (cm²)	Avy (cm²)	Avz (cm²)	Iyy (cm4)	Izz (cm4)	It (cm4)
Tipo	Designação								
Aço laminado	A-588 345MPa	1	CVS 500x281, (CVS)	357.70	196.88	85.68	155013.18	26836.68	1389.69
		2	CVS 350x118, (CVS)	150.15	84.00	34.34	33058.22	5838.30	207.19
		3	CVS 600x190, (CVS)	241.92	114.00	80.93	151986.15	20285.85	259.64
		4	CVS 550x329, (CVS)	418.75	225.00	106.88	219671.22	40061.85	1653.65
		5	CVS 600x210, (CVS)	268.03	134.40	79.95	172355.98	23912.28	375.52
		6	CVS 300x57, (CVS)	72.00	37.50	19.80	11725.00	1667.84	30.74
		7	VS 200x26, (VS)	33.30	18.52	7.74	2477.50	348.02	8.08
		8	VS 200x19, (VS)	24.02	11.34	8.01	1679.25	181.61	2.67
		9	L 60 x 60 x 4, (L)	4.71	2.24	2.24	15.78	15.78	0.25
		10	CVS 600x239, (CVS) Espaç. entre enrijecedores: 400 mm. Espessura: 10 mm	304.50	150.00	94.05	191759.37	26698.10	542.42
		11	CVS 600x190, (CVS) Espaç. entre enrijecedores: 1000 mm. Espessura: 8 mm	241.92	114.00	80.93	151986.15	20285.85	259.64
		12	CVS 500x204, (CVS)	260.50	131.25	76.95	113230.21	17890.30	467.47
		13	L 45 x 45 x 5, (L)	4.30	2.00	2.00	7.84	7.84	0.35
		14	CVS 600x412, (CVS) Espaç. entre enrijecedores: 400 mm. Espessura: 10 mm	525.00	300.00	112.50	329375.00	53398.44	3593.75

Notação:
Ref.: Referência
A: Área da seção transversal
Avy: Área de esforço cortante da seção segundo o eixo local 'Y'
Avz: Área de esforço cortante da seção segundo o eixo local 'Z'
Iyy: Inércia da seção em torno do eixo local 'Y'
Izz: Inércia da seção em torno do eixo local 'Z'
It: Inércia à torção
As características mecânicas das peças correspondem à seção no ponto médio das mesmas.

2.1.2.4. Tabela de ferro

Tabela de ferro						
Material		Peça (Ni/Nf)	Perfil(Série)	Comprimento (m)	Volume (m³)	Peso (kg)
Tipo	Designação					
Aço laminado	A-588 345MPa	N1/N4	CVS 500x281 (CVS)	6.326	0.226	1776.31
		N175/N187	CVS 500x281 (CVS)	5.944	0.213	1668.95
		N174/N173	CVS 350x118 (CVS)	6.172	0.093	727.45
		N176/N172	CVS 350x118 (CVS)	5.943	0.089	700.44
		N177/N171	CVS 350x118 (CVS)	6.171	0.093	727.31
		N178/N170	CVS 350x118 (CVS)	5.941	0.089	700.30
		N179/N169	CVS 350x118 (CVS)	6.169	0.093	727.18
		N180/N168	CVS 350x118 (CVS)	5.940	0.089	700.17
		N181/N167	CVS 350x118 (CVS)	6.192	0.093	729.82
		N182/N166	CVS 350x118 (CVS)	6.142	0.092	723.94
		N183/N165	CVS 350x118 (CVS)	6.215	0.093	732.57
		N205/N228	CVS 350x118 (CVS)	6.107	0.092	719.87
		N204/N229	CVS 350x118 (CVS)	5.925	0.089	698.37
		N207/N230	CVS 350x118 (CVS)	6.085	0.091	717.28
		N206/N231	CVS 350x118 (CVS)	5.939	0.089	699.99
		N209/N232	CVS 350x118 (CVS)	6.099	0.092	718.90
		N208/N233	CVS 350x118 (CVS)	5.953	0.089	701.61
		N211/N234	CVS 350x118 (CVS)	6.113	0.092	720.52
		N210/N235	CVS 500x281 (CVS)	5.966	0.213	1675.31
		N196/N218	CVS 500x281 (CVS)	6.259	0.224	1757.37
		N2/N8	CVS 500x281 (CVS)	6.326	0.226	1776.31
		N155/N154	CVS 500x281 (CVS)	5.944	0.213	1668.95
		N156/N153	CVS 350x118 (CVS)	6.172	0.093	727.45
		N158/N152	CVS 350x118 (CVS)	5.943	0.089	700.44
		N157/N151	CVS 350x118 (CVS)	6.171	0.093	727.31
		N159/N150	CVS 350x118 (CVS)	5.941	0.089	700.30
		N160/N149	CVS 350x118 (CVS)	6.169	0.093	727.18

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Tabela de ferro						
Material		Peça (Ni/Nf)	Perfil(Série)	Comprimento (m)	Volume (m³)	Peso (kg)
Tipo	Designação					
		N161/N148	CVS 350x118 (CVS)	5.940	0.089	700.17
		N162/N147	CVS 350x118 (CVS)	6.192	0.093	729.82
		N163/N146	CVS 350x118 (CVS)	6.142	0.092	723.94
		N164/N145	CVS 350x118 (CVS)	6.215	0.093	732.57
		N226/N243	CVS 350x118 (CVS)	6.107	0.092	719.87
		N227/N242	CVS 350x118 (CVS)	5.925	0.089	698.37
		N216/N241	CVS 350x118 (CVS)	6.085	0.091	717.28
		N217/N240	CVS 350x118 (CVS)	5.939	0.089	699.99
		N214/N239	CVS 350x118 (CVS)	6.099	0.092	718.90
		N215/N238	CVS 350x118 (CVS)	5.953	0.089	701.61
		N212/N237	CVS 350x118 (CVS)	6.113	0.092	720.52
		N213/N236	CVS 500x281 (CVS)	5.966	0.213	1675.31
		N3/N18	CVS 500x281 (CVS)	6.259	0.224	1757.37
		N1/N2	CVS 600x190 (CVS)	11.450	0.277	2174.44
		N19/N23	CVS 550x329 (CVS)	11.450	0.479	3763.83
		N98/N100	CVS 600x210 (CVS)	11.450	0.307	2409.14
		N22/N24	CVS 600x210 (CVS)	11.450	0.307	2409.14
		N198/N26	CVS 600x210 (CVS)	11.450	0.307	2409.14
		N197/N28	CVS 600x210 (CVS)	11.450	0.307	2409.14
		N199/N30	CVS 600x210 (CVS)	11.450	0.307	2409.14
		N196/N3	CVS 600x190 (CVS)	11.450	0.277	2174.44
		N4/N8	CVS 300x57 (CVS)	11.450	0.082	647.15
		N5/N9	VS 200x26 (VS)	11.450	0.038	299.29
		N7/N10	VS 200x26 (VS)	11.450	0.038	299.29
		N220/N12	VS 200x26 (VS)	11.450	0.038	299.29
		N219/N14	VS 200x26 (VS)	11.450	0.038	299.29
		N221/N16	VS 200x26 (VS)	11.450	0.038	299.29
		N218/N18	CVS 300x57 (CVS)	11.450	0.082	647.15
		N39/N38	VS 200x19 (VS)	2.627	0.006	49.53
		N40/N39	VS 200x19 (VS)	2.627	0.006	49.53
		N41/N40	VS 200x19 (VS)	2.627	0.006	49.53
		N42/N41	VS 200x19 (VS)	2.627	0.006	49.53
		N43/N186	VS 200x19 (VS)	2.626	0.006	49.53
		N186/N185	VS 200x19 (VS)	2.626	0.006	49.53
		N185/N184	VS 200x19 (VS)	2.626	0.006	49.53
		N184/N44	VS 200x19 (VS)	2.626	0.006	49.53
		N44/N45	VS 200x19 (VS)	2.603	0.006	49.08
		N8/N186	L 60 x 60 x 4 (L)	6.299	0.003	23.29
		N4/N186	L 60 x 60 x 4 (L)	6.299	0.003	23.29
		N115/N185	L 60 x 60 x 4 (L)	6.299	0.003	23.29
		N121/N185	L 60 x 60 x 4 (L)	6.299	0.003	23.29
		N113/N184	L 60 x 60 x 4 (L)	6.299	0.003	23.29
		N120/N184	L 60 x 60 x 4 (L)	6.299	0.003	23.29
		N114/N44	L 60 x 60 x 4 (L)	6.299	0.003	23.29
		N122/N44	L 60 x 60 x 4 (L)	6.299	0.003	23.29
		N220/N45	L 60 x 60 x 4 (L)	6.292	0.003	23.27
		N12/N45	L 60 x 60 x 4 (L)	6.292	0.003	23.27
		N14/N46	L 60 x 60 x 4 (L)	6.292	0.003	23.27
		N16/N47	L 60 x 60 x 4 (L)	6.292	0.003	23.27

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Tabela de ferro						
Material		Peça (Ni/Nf)	Perfil(Série)	Comprimento (m)	Volume (m³)	Peso (kg)
Tipo	Designação					
		N18/N48	L 60 x 60 x 4 (L)	6.292	0.003	23.27
		N37/N36	VS 200x19 (VS)	2.603	0.006	49.08
		N38/N37	VS 200x19 (VS)	2.603	0.006	49.08
		N112/N104	CVS 550x329 (CVS)	11.450	0.479	3763.83
		N2/N23	CVS 600x239 (CVS)	10.506	0.320	2511.39
		N1/N19	CVS 600x239 (CVS)	10.506	0.320	2511.39
		N9/N10	CVS 600x190 (CVS)	2.603	0.063	494.28
		N5/N7	CVS 600x190 (CVS)	2.603	0.063	494.28
		N111/N105	CVS 500x204 (CVS)	11.450	0.298	2341.44
		N110/N103	CVS 550x329 (CVS)	11.450	0.479	3763.83
		N122/N114	VS 200x26 (VS)	11.450	0.038	299.29
		N120/N113	VS 200x26 (VS)	11.450	0.038	299.29
		N121/N115	VS 200x26 (VS)	11.450	0.038	299.29
		N28/N35	L 45 x 45 x 5 (L)	6.293	0.003	21.24
		N197/N35	L 45 x 45 x 5 (L)	6.293	0.003	21.24
		N32/N197	L 45 x 45 x 5 (L)	6.293	0.003	21.24
		N32/N28	L 45 x 45 x 5 (L)	6.293	0.003	21.24
		N30/N34	L 45 x 45 x 5 (L)	6.293	0.003	21.24
		N199/N34	L 45 x 45 x 5 (L)	6.293	0.003	21.24
		N34/N198	L 45 x 45 x 5 (L)	6.293	0.003	21.24
		N34/N26	L 45 x 45 x 5 (L)	6.293	0.003	21.24
		N41/N103	L 45 x 45 x 5 (L)	6.299	0.003	21.26
		N103/N39	L 45 x 45 x 5 (L)	6.299	0.003	21.26
		N40/N104	L 45 x 45 x 5 (L)	6.299	0.003	21.26
		N105/N40	L 45 x 45 x 5 (L)	6.299	0.003	21.26
		N41/N110	L 45 x 45 x 5 (L)	6.299	0.003	21.26
		N110/N39	L 45 x 45 x 5 (L)	6.299	0.003	21.26
		N40/N112	L 45 x 45 x 5 (L)	6.299	0.003	21.26
		N111/N40	L 45 x 45 x 5 (L)	6.299	0.003	21.26
		N43/N115	L 60 x 60 x 4 (L)	6.299	0.003	23.29
		N43/N121	L 60 x 60 x 4 (L)	6.299	0.003	23.29
		N186/N113	L 60 x 60 x 4 (L)	6.299	0.003	23.29
		N186/N120	L 60 x 60 x 4 (L)	6.299	0.003	23.29
		N185/N114	L 60 x 60 x 4 (L)	6.299	0.003	23.29
		N185/N122	L 60 x 60 x 4 (L)	6.299	0.003	23.29
		N184/N9	L 60 x 60 x 4 (L)	6.299	0.003	23.29
		N184/N5	L 60 x 60 x 4 (L)	6.299	0.003	23.29
		N46/N10	L 60 x 60 x 4 (L)	6.292	0.003	23.27
		N46/N7	L 60 x 60 x 4 (L)	6.292	0.003	23.27
		N47/N12	L 60 x 60 x 4 (L)	6.292	0.003	23.27
		N48/N14	L 60 x 60 x 4 (L)	6.292	0.003	23.27
		N49/N16	L 60 x 60 x 4 (L)	6.292	0.003	23.27
		N9/N45	L 60 x 60 x 4 (L)	6.289	0.003	23.25
		N5/N45	L 60 x 60 x 4 (L)	6.289	0.003	23.25
		N44/N10	L 60 x 60 x 4 (L)	6.289	0.003	23.25
		N44/N7	L 60 x 60 x 4 (L)	6.289	0.003	23.25
		N121/N5	CVS 600x190 (CVS)	7.879	0.191	1496.35
		N115/N9	CVS 600x190 (CVS)	7.879	0.191	1496.35
		N8/N115	CVS 600x412 (CVS)	2.626	0.138	1082.43

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Tabela de ferro						
Material		Peça (Ni/Nf)	Perfil(Série)	Comprimento (m)	Volume (m³)	Peso (kg)
Tipo	Designação					
		N4/N121	CVS 600x412 (CVS)	2.626	0.138	1082.43
		N33/N188	VS 200x19 (VS)	1.306	0.003	24.63
		N188/N32	VS 200x19 (VS)	1.306	0.003	24.63
		N3/N24	CVS 600x239 (CVS)	10.451	0.318	2498.15
		N196/N22	CVS 600x239 (CVS)	10.451	0.318	2498.15
		N205/N22	CVS 600x239 (CVS)	0.250	0.008	59.76
		N19/N205	CVS 600x239 (CVS)	4.956	0.151	1184.53
		N23/N24	CVS 600x239 (CVS)	5.206	0.159	1244.29
		N47/N46	VS 200x19 (VS)	2.611	0.006	49.24
		N48/N47	VS 200x19 (VS)	2.611	0.006	49.24
		N49/N48	VS 200x19 (VS)	2.611	0.006	49.24
		N46/N45	VS 200x19 (VS)	2.611	0.006	49.24
		N35/N36	VS 200x19 (VS)	2.613	0.006	49.27
		N34/N35	VS 200x19 (VS)	2.613	0.006	49.27
		N32/N34	VS 200x19 (VS)	2.613	0.006	49.27
		N219/N46	L 60 x 60 x 4 (L)	6.292	0.003	23.27
		N47/N220	L 60 x 60 x 4 (L)	6.292	0.003	23.27
		N218/N48	L 60 x 60 x 4 (L)	6.292	0.003	23.27
		N49/N221	L 60 x 60 x 4 (L)	6.292	0.003	23.27
		N221/N47	L 60 x 60 x 4 (L)	6.292	0.003	23.27
		N48/N219	L 60 x 60 x 4 (L)	6.292	0.003	23.27
		N218/N221	CVS 600x412 (CVS)	2.611	0.137	1076.24
		N221/N7	CVS 600x190 (CVS)	7.834	0.190	1487.79
		N16/N10	CVS 600x190 (CVS)	7.834	0.190	1487.79
		N18/N16	CVS 600x412 (CVS)	2.611	0.137	1076.24

Notação:
Ni: Nó inicial
Nf: Nó final

2.1.2.5. Tabela resumo

Tabela resumo												
Material		Série	Perfil	Comprimento			Volume			Peso		
Tipo	Designação			Perfil (m)	Série (m)	Material (m)	Perfil (m³)	Série (m³)	Material (m³)	Perfil (kg)	Série (kg)	Material (kg)
			CVS 500x281	48.989			1.752			13755.87		
			CVS 350x118	194.213			2.916			22891.47		
			CVS 600x190	59.533			1.440			11305.73		
			CVS 550x329	34.350			1.438			11291.49		
			CVS 600x210	57.250			1.534			12045.69		
			CVS 300x57	22.900			0.165			1294.31		
			CVS 600x239	52.326			1.593			12507.66		
			CVS 500x204	11.450			0.298			2341.44		
			CVS 600x412	10.476			0.550			4317.33		
		CVS			491.487			11.688			91750.98	
			VS 200x26	91.600			0.305			2394.29		
			VS 200x19	49.717			0.119			937.52		
		VS			141.317			0.424			3331.81	
			L 60 x 60 x 4	226.615			0.107			837.87		
			L 45 x 45 x 5	100.735			0.043			340.03		
		L			327.349			0.150			1177.90	
Aço laminado	A-588 345MPa					960.154			12.263			96260.69

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2.1.2.6. Quantitativos de superfícies

Aço laminado: Quantitativos das superfícies a pintar				
Série	Perfil	Superfície unitária (m²/m)	Comprimento (m)	Superfície (m²)
CVS	CVS 500x281	2.355	48.989	115.379
	CVS 350x118	1.675	194.213	325.307
	CVS 600x190	2.768	22.900	63.387
	CVS 550x329	2.650	34.350	91.028
	CVS 600x210	2.768	57.250	158.468
	CVS 300x57	1.384	22.900	31.694
	CVS 600x239	3.879	21.013	81.507
	CVS 600x190	3.431	5.206	17.862
	CVS 500x204	2.362	11.450	27.045
	CVS 600x190	3.261	15.759	51.389
	CVS 600x412	3.892	5.253	20.446
	CVS 600x239	3.885	20.902	81.201
	CVS 600x239	6.115	0.250	1.529
	CVS 600x239	3.946	4.956	19.555
	CVS 600x239	3.970	5.206	20.664
	CVS 600x412	3.899	5.223	20.363
	CVS 600x190	3.264	15.669	51.140
VS	VS 200x26	0.911	91.600	83.402
	VS 200x19	0.871	49.717	43.279
L	L 60 x 60 x 4	0.240	226.615	54.388
	L 45 x 45 x 5	0.180	100.735	18.132
			Total	**1377.164**

2.2. Resultados

2.2.1. Barras

2.2.1.1. Esforços

Referências:

N: Esforço axial (kN)
Vy: Esforço cortante segundo o eixo local Y da barra. (kN)
Vz: Esforço cortante segundo o eixo local Z da barra. (kN)
Mt: Momento torsor (kN·m)
My: Momento fletor no plano 'XZ' (rotação da seção em relação ao eixo local 'Y' da barra). (kN·m)
Mz: Momento fletor no plano 'XY' (rotação da seção em relação ao eixo local 'Z' da barra). (kN·m)

2.2.1.1.1. Hipótese

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.791 m	1.582 m	2.372 m	3.163 m	3.954 m	4.745 m	5.535 m	6.326 m
N1/N4	Peso próprio	N	-272.226	-270.094	-267.962	-265.831	-263.699	-261.567	-259.435	-257.304	-255.172
		Vy	-0.673	-0.673	-0.673	-0.673	-0.673	-0.673	-0.673	-0.673	-0.673
		Vz	12.646	13.094	13.541	13.989	14.436	14.884	15.332	15.779	16.227
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	49.48	39.30	28.77	17.88	6.64	-4.95	-16.89	-29.20	-41.85
		Mz	0.13	0.66	1.19	1.72	2.26	2.79	3.32	3.85	4.38
	LAJE	N	-558.808	-558.808	-558.808	-558.808	-558.808	-558.808	-558.808	-558.808	-558.808
		Vy	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
		Vz	30.507	30.507	30.507	30.507	30.507	30.507	30.507	30.507	30.507
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	106.58	82.46	58.33	34.21	10.08	-14.04	-38.16	-62.29	-86.41
		Mz	-0.01	0.00	0.02	0.03	0.05	0.06	0.08	0.09	0.11
	PAVIMENTAÇÃO	N	-304.928	-304.928	-304.928	-304.928	-304.928	-304.928	-304.928	-304.928	-304.928

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.791 m	1.582 m	2.372 m	3.163 m	3.954 m	4.745 m	5.535 m	6.326 m
		Vy	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010
		Vz	16.647	16.647	16.647	16.647	16.647	16.647	16.647	16.647	16.647
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	58.16	44.99	31.83	18.67	5.50	-7.66	-20.82	-33.99	-47.15
		Mz	-0.01	0.00	0.01	0.02	0.03	0.04	0.04	0.05	0.06
	RECAPEAMENTO	N	-138.604	-138.604	-138.604	-138.604	-138.604	-138.604	-138.604	-138.604	-138.604
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	7.567	7.567	7.567	7.567	7.567	7.567	7.567	7.567	7.567
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	26.44	20.45	14.47	8.48	2.50	-3.48	-9.47	-15.45	-21.43
		Mz	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.03
	GUARDA-RODAS	N	-75.225	-75.225	-75.225	-75.225	-75.225	-75.225	-75.225	-75.225	-75.225
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	4.107	4.107	4.107	4.107	4.107	4.107	4.107	4.107	4.107
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.35	11.10	7.85	4.60	1.36	-1.89	-5.14	-8.39	-11.63
		Mz	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02
	Vento 0	N	24.774	24.774	24.774	24.774	24.774	24.774	24.774	24.774	24.774
		Vy	14.451	14.451	14.451	14.451	14.451	14.451	14.451	14.451	14.451
		Vz	-0.465	-0.465	-0.465	-0.465	-0.465	-0.465	-0.465	-0.465	-0.465
		Mt	-6.28	-6.28	-6.28	-6.28	-6.28	-6.28	-6.28	-6.28	-6.28
		My	-2.41	-2.05	-1.68	-1.31	-0.94	-0.58	-0.21	0.16	0.53
		Mz	6.61	-4.82	-16.25	-27.67	-39.10	-50.53	-61.96	-73.38	-84.81
	Vento 180	N	-18.598	-18.598	-18.598	-18.598	-18.598	-18.598	-18.598	-18.598	-18.598
		Vy	-14.853	-14.141	-13.430	-12.718	-12.006	-11.295	-10.583	-9.871	-9.159
		Vz	-0.201	-0.201	-0.201	-0.201	-0.201	-0.201	-0.201	-0.201	-0.201
		Mt	5.56	5.56	5.56	5.56	5.56	5.56	5.56	5.56	5.56
		My	-0.52	-0.37	-0.21	-0.05	0.11	0.27	0.43	0.59	0.74
		Mz	-5.78	5.68	16.58	26.92	36.69	45.91	54.56	62.64	70.17
	Multidão - Passeio	N	-97.612	-97.612	-97.612	-97.612	-97.612	-97.612	-97.612	-97.612	-97.612
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	5.329	5.329	5.329	5.329	5.329	5.329	5.329	5.329	5.329
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	18.62	14.40	10.19	5.97	1.76	-2.45	-6.67	-10.88	-15.10
		Mz	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02
	Multidão - TB450	N	-318.588	-318.588	-318.588	-318.588	-318.588	-318.588	-318.588	-318.588	-318.588
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	17.392	17.392	17.392	17.392	17.392	17.392	17.392	17.392	17.392
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	60.76	47.01	33.26	19.50	5.75	-8.00	-21.75	-35.51	-49.26
		Mz	-0.01	0.00	0.01	0.02	0.03	0.04	0.04	0.05	0.06
	TB-450 - A1	N	-69.091	-69.091	-69.091	-69.091	-69.091	-69.091	-69.091	-69.091	-69.091
		Vy	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
		Vz	4.040	4.040	4.040	4.040	4.040	4.040	4.040	4.040	4.040
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	16.99	13.80	10.60	7.41	4.21	1.02	-2.17	-5.37	-8.56
		Mz	0.00	-0.03	-0.06	-0.08	-0.11	-0.13	-0.16	-0.19	-0.21
	TB-450 - A2	N	-163.790	-163.790	-163.790	-163.790	-163.790	-163.790	-163.790	-163.790	-163.790
		Vy	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034
		Vz	9.595	9.595	9.595	9.595	9.595	9.595	9.595	9.595	9.595
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	40.38	32.79	25.20	17.62	10.03	2.44	-5.15	-12.73	-20.32
		Mz	0.00	0.03	0.06	0.08	0.11	0.14	0.16	0.19	0.22
	TB-450 - B1	N	-81.107	-81.107	-81.107	-81.107	-81.107	-81.107	-81.107	-81.107	-81.107
		Vy	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076
		Vz	4.194	4.194	4.194	4.194	4.194	4.194	4.194	4.194	4.194
		Mt	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.791 m	1.582 m	2.372 m	3.163 m	3.954 m	4.745 m	5.535 m	6.326 m
		My	13.51	10.19	6.88	3.56	0.24	-3.07	-6.39	-9.71	-13.02
		Mz	0.04	-0.02	-0.08	-0.14	-0.20	-0.26	-0.32	-0.38	-0.44
	TB-450 - B2	N	-192.483	-192.483	-192.483	-192.483	-192.483	-192.483	-192.483	-192.483	-192.483
		Vy	-0.081	-0.081	-0.081	-0.081	-0.081	-0.081	-0.081	-0.081	-0.081
		Vz	10.174	10.174	10.174	10.174	10.174	10.174	10.174	10.174	10.174
		Mt	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		My	33.09	25.04	17.00	8.95	0.91	-7.14	-15.18	-23.23	-31.27
		Mz	-0.05	0.02	0.08	0.14	0.21	0.27	0.34	0.40	0.47
	TB-450 - C1	N	-57.773	-57.773	-57.773	-57.773	-57.773	-57.773	-57.773	-57.773	-57.773
		Vy	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082
		Vz	3.025	3.025	3.025	3.025	3.025	3.025	3.025	3.025	3.025
		Mt	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		My	9.49	7.10	4.70	2.31	-0.08	-2.47	-4.86	-7.26	-9.65
		Mz	0.04	-0.02	-0.09	-0.15	-0.22	-0.28	-0.35	-0.41	-0.47
	TB-450 - C2	N	-137.241	-137.241	-137.241	-137.241	-137.241	-137.241	-137.241	-137.241	-137.241
		Vy	-0.091	-0.091	-0.091	-0.091	-0.091	-0.091	-0.091	-0.091	-0.091
		Vz	7.420	7.420	7.420	7.420	7.420	7.420	7.420	7.420	7.420
		Mt	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		My	23.63	17.76	11.89	6.03	0.16	-5.71	-11.58	-17.44	-23.31
		Mz	-0.05	0.02	0.09	0.17	0.24	0.31	0.38	0.45	0.53
	TB-450 - D1	N	-34.822	-34.822	-34.822	-34.822	-34.822	-34.822	-34.822	-34.822	-34.822
		Vy	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040
		Vz	1.830	1.830	1.830	1.830	1.830	1.830	1.830	1.830	1.830
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	5.75	4.30	2.85	1.40	-0.04	-1.49	-2.94	-4.39	-5.83
		Mz	0.02	-0.01	-0.04	-0.07	-0.11	-0.14	-0.17	-0.20	-0.23
	TB-450 - D2	N	-82.689	-82.689	-82.689	-82.689	-82.689	-82.689	-82.689	-82.689	-82.689
		Vy	-0.052	-0.052	-0.052	-0.052	-0.052	-0.052	-0.052	-0.052	-0.052
		Vz	4.470	4.470	4.470	4.470	4.470	4.470	4.470	4.470	4.470
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	14.22	10.68	7.15	3.61	0.08	-3.45	-6.99	-10.52	-14.06
		Mz	-0.03	0.01	0.05	0.09	0.14	0.18	0.22	0.26	0.30
	TB-450 - E1	N	-11.877	-11.877	-11.877	-11.877	-11.877	-11.877	-11.877	-11.877	-11.877
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	0.617	0.617	0.617	0.617	0.617	0.617	0.617	0.617	0.617
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	1.92	1.43	0.95	0.46	-0.03	-0.52	-1.01	-1.50	-1.98
		Mz	0.02	0.01	0.01	0.00	0.00	-0.01	-0.02	-0.02	-0.03
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.743 m	1.486 m	2.229 m	2.972 m	3.715 m	4.458 m	5.201 m	5.944 m
N175/N187	Peso próprio	N	177.098	179.125	181.153	183.181	185.209	187.236	189.264	191.292	193.319
		Vy	0.226	0.226	0.226	0.226	0.226	0.226	0.226	0.226	0.226
		Vz	-20.777	-20.500	-20.223	-19.946	-19.668	-19.391	-19.114	-18.837	-18.560
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-64.54	-49.21	-34.08	-19.16	-4.44	10.07	24.37	38.47	52.36
		Mz	-0.05	-0.22	-0.39	-0.56	-0.73	-0.89	-1.06	-1.23	-1.40
	LAJE	N	443.791	443.791	443.791	443.791	443.791	443.791	443.791	443.791	443.791
		Vy	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027
		Vz	-44.393	-44.393	-44.393	-44.393	-44.393	-44.393	-44.393	-44.393	-44.393

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.743 m	1.486 m	2.229 m	2.972 m	3.715 m	4.458 m	5.201 m	5.944 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-143.37	-110.39	-77.41	-44.43	-11.44	21.54	54.52	87.50	120.49
		Mz	0.15	0.13	0.11	0.09	0.07	0.05	0.03	0.01	-0.01
	PAVIMENTAÇÃO	N	242.166	242.166	242.166	242.166	242.166	242.166	242.166	242.166	242.166
		Vy	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vz	-24.224	-24.224	-24.224	-24.224	-24.224	-24.224	-24.224	-24.224	-24.224
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-78.24	-60.24	-42.24	-24.24	-6.25	11.75	29.75	47.75	65.75
		Mz	0.09	0.07	0.06	0.05	0.04	0.03	0.02	0.01	0.00
	RECAPEAMENTO	N	110.075	110.075	110.075	110.075	110.075	110.075	110.075	110.075	110.075
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	-11.011	-11.011	-11.011	-11.011	-11.011	-11.011	-11.011	-11.011	-11.011
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-35.56	-27.38	-19.20	-11.02	-2.84	5.34	13.52	21.70	29.88
		Mz	0.04	0.03	0.03	0.02	0.02	0.01	0.01	0.00	0.00
	GUARDA-RODAS	N	59.742	59.742	59.742	59.742	59.742	59.742	59.742	59.742	59.742
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-5.977	-5.977	-5.977	-5.977	-5.977	-5.977	-5.977	-5.977	-5.977
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-19.30	-14.86	-10.42	-5.98	-1.54	2.90	7.34	11.78	16.22
		Mz	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
	Vento 0	N	-3.195	-3.195	-3.195	-3.195	-3.195	-3.195	-3.195	-3.195	-3.195
		Vy	-4.159	-4.159	-4.159	-4.159	-4.159	-4.159	-4.159	-4.159	-4.159
		Vz	0.446	0.446	0.446	0.446	0.446	0.446	0.446	0.446	0.446
		Mt	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30
		My	1.87	1.54	1.20	0.87	0.54	0.21	-0.12	-0.45	-0.78
		Mz	1.14	4.23	7.32	10.41	13.50	16.59	19.68	22.77	25.86
	Vento 180	N	1.543	1.543	1.543	1.543	1.543	1.543	1.543	1.543	1.543
		Vy	5.947	5.278	4.609	3.941	3.272	2.603	1.935	1.266	0.597
		Vz	-0.251	-0.251	-0.251	-0.251	-0.251	-0.251	-0.251	-0.251	-0.251
		Mt	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
		My	-1.08	-0.89	-0.71	-0.52	-0.33	-0.15	0.04	0.23	0.41
		Mz	-1.97	-6.14	-9.82	-12.99	-15.67	-17.85	-19.54	-20.73	-21.42
	Multidão - Passeio	N	77.523	77.523	77.523	77.523	77.523	77.523	77.523	77.523	77.523
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-7.757	-7.757	-7.757	-7.757	-7.757	-7.757	-7.757	-7.757	-7.757
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-25.05	-19.29	-13.52	-7.76	-2.00	3.76	9.53	15.29	21.05
		Mz	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	253.011	253.011	253.011	253.011	253.011	253.011	253.011	253.011	253.011
		Vy	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
		Vz	-25.307	-25.307	-25.307	-25.307	-25.307	-25.307	-25.307	-25.307	-25.307
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-81.73	-62.93	-44.13	-25.33	-6.53	12.28	31.08	49.88	68.68
		Mz	0.12	0.10	0.09	0.07	0.06	0.04	0.03	0.01	0.00
	TB-450 - A1	N	53.395	53.395	53.395	53.395	53.395	53.395	53.395	53.395	53.395
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	-2.975	-2.975	-2.975	-2.975	-2.975	-2.975	-2.975	-2.975	-2.975
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-10.48	-8.27	-6.06	-3.85	-1.64	0.57	2.78	4.99	7.20
		Mz	0.03	0.02	0.01	0.01	0.00	0.00	-0.01	-0.02	-0.02
	TB-450 - A2	N	126.483	126.483	126.483	126.483	126.483	126.483	126.483	126.483	126.483
		Vy	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
		Vz	-7.038	-7.038	-7.038	-7.038	-7.038	-7.038	-7.038	-7.038	-7.038
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-24.80	-19.57	-14.34	-9.11	-3.89	1.34	6.57	11.80	17.03
		Mz	0.08	0.08	0.07	0.06	0.05	0.05	0.04	0.03	0.02

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.743 m	1.486 m	2.229 m	2.972 m	3.715 m	4.458 m	5.201 m	5.944 m
	TB-450 - B1	N	64.130	64.130	64.130	64.130	64.130	64.130	64.130	64.130	64.130
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	-7.343	-7.343	-7.343	-7.343	-7.343	-7.343	-7.343	-7.343	-7.343
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-23.40	-17.95	-12.49	-7.04	-1.58	3.87	9.33	14.79	20.24
		Mz	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.08
	TB-450 - B2	N	151.751	151.751	151.751	151.751	151.751	151.751	151.751	151.751	151.751
		Vy	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
		Vz	-17.372	-17.372	-17.372	-17.372	-17.372	-17.372	-17.372	-17.372	-17.372
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-55.42	-42.51	-29.60	-16.70	-3.79	9.12	22.02	34.93	47.84
		Mz	0.05	0.03	0.02	0.00	-0.01	-0.03	-0.04	-0.06	-0.07
	TB-450 - C1	N	47.067	47.067	47.067	47.067	47.067	47.067	47.067	47.067	47.067
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	-5.500	-5.500	-5.500	-5.500	-5.500	-5.500	-5.500	-5.500	-5.500
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-17.43	-13.35	-9.26	-5.17	-1.09	3.00	7.09	11.17	15.26
		Mz	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08
	TB-450 - C2	N	111.322	111.322	111.322	111.322	111.322	111.322	111.322	111.322	111.322
		Vy	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021
		Vz	-13.013	-13.013	-13.013	-13.013	-13.013	-13.013	-13.013	-13.013	-13.013
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-41.29	-31.62	-21.96	-12.29	-2.62	7.05	16.72	26.38	36.05
		Mz	0.04	0.03	0.01	-0.01	-0.02	-0.04	-0.05	-0.07	-0.09
	TB-450 - D1	N	28.381	28.381	28.381	28.381	28.381	28.381	28.381	28.381	28.381
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-3.320	-3.320	-3.320	-3.320	-3.320	-3.320	-3.320	-3.320	-3.320
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-10.52	-8.05	-5.59	-3.12	-0.66	1.81	4.28	6.74	9.21
		Mz	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05
	TB-450 - D2	N	67.135	67.135	67.135	67.135	67.135	67.135	67.135	67.135	67.135
		Vy	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vz	-7.856	-7.856	-7.856	-7.856	-7.856	-7.856	-7.856	-7.856	-7.856
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-24.93	-19.09	-13.25	-7.42	-1.58	4.26	10.10	15.93	21.77
		Mz	0.03	0.02	0.01	0.00	-0.02	-0.03	-0.04	-0.05	-0.06
	TB-450 - E1	N	9.678	9.678	9.678	9.678	9.678	9.678	9.678	9.678	9.678
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-1.140	-1.140	-1.140	-1.140	-1.140	-1.140	-1.140	-1.140	-1.140
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.61	-2.76	-1.92	-1.07	-0.22	0.62	1.47	2.32	3.17
		Mz	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.771 m	1.543 m	2.314 m	3.086 m	3.857 m	4.629 m	5.400 m	6.172 m
N174/N173	Peso próprio	N	-141.483	-140.598	-139.714	-138.829	-137.945	-137.061	-136.176	-135.292	-134.407
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	6.164	6.281	6.397	6.513	6.630	6.746	6.863	6.979	7.095
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	19.38	14.58	9.69	4.71	-0.36	-5.52	-10.77	-16.10	-21.53

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.771 m	1.543 m	2.314 m	3.086 m	3.857 m	4.629 m	5.400 m	6.172 m
		Mz	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.05	0.05
	LAJE	N	-289.915	-289.915	-289.915	-289.915	-289.915	-289.915	-289.915	-289.915	-289.915
		Vy	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022
		Vz	14.836	14.836	14.836	14.836	14.836	14.836	14.836	14.836	14.836
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	44.45	33.00	21.56	10.11	-1.33	-12.78	-24.22	-35.67	-47.11
		Mz	-0.13	-0.11	-0.09	-0.07	-0.06	-0.04	-0.02	-0.01	0.01
	PAVIMENTAÇÃO	N	-158.196	-158.196	-158.196	-158.196	-158.196	-158.196	-158.196	-158.196	-158.196
		Vy	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Vz	8.095	8.095	8.095	8.095	8.095	8.095	8.095	8.095	8.095
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	24.25	18.01	11.76	5.52	-0.73	-6.97	-13.22	-19.46	-25.71
		Mz	-0.07	-0.06	-0.05	-0.04	-0.03	-0.02	-0.01	0.00	0.01
	RECAPEAMENTO	N	-71.907	-71.907	-71.907	-71.907	-71.907	-71.907	-71.907	-71.907	-71.907
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	3.680	3.680	3.680	3.680	3.680	3.680	3.680	3.680	3.680
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.02	8.19	5.35	2.51	-0.33	-3.17	-6.01	-8.85	-11.69
		Mz	-0.03	-0.03	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	0.00
	GUARDA-RODAS	N	-39.037	-39.037	-39.037	-39.037	-39.037	-39.037	-39.037	-39.037	-39.037
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	1.997	1.997	1.997	1.997	1.997	1.997	1.997	1.997	1.997
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.98	4.44	2.90	1.36	-0.18	-1.72	-3.26	-4.80	-6.34
		Mz	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	2.581	2.581	2.581	2.581	2.581	2.581	2.581	2.581	2.581
		Vy	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031
		Vz	-0.179	-0.179	-0.179	-0.179	-0.179	-0.179	-0.179	-0.179	-0.179
		Mt	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		My	-0.56	-0.43	-0.29	-0.15	-0.01	0.13	0.27	0.40	0.54
		Mz	-1.05	-1.03	-1.01	-0.98	-0.96	-0.93	-0.91	-0.89	-0.86
	Vento 180	N	-0.965	-0.965	-0.965	-0.965	-0.965	-0.965	-0.965	-0.965	-0.965
		Vy	-2.597	-1.902	-1.208	-0.514	0.181	0.875	1.569	2.264	2.958
		Vz	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	0.29	0.22	0.15	0.08	0.02	-0.05	-0.12	-0.19	-0.26
		Mz	1.15	2.88	4.08	4.75	4.87	4.47	3.52	2.05	0.03
	Multidão - Passeio	N	-50.670	-50.670	-50.670	-50.670	-50.670	-50.670	-50.670	-50.670	-50.670
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	2.592	2.592	2.592	2.592	2.592	2.592	2.592	2.592	2.592
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.77	5.77	3.77	1.77	-0.23	-2.23	-4.23	-6.23	-8.23
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-165.246	-165.246	-165.246	-165.246	-165.246	-165.246	-165.246	-165.246	-165.246
		Vy	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017
		Vz	8.457	8.457	8.457	8.457	8.457	8.457	8.457	8.457	8.457
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.34	18.81	12.29	5.77	-0.76	-7.28	-13.81	-20.33	-26.86
		Mz	-0.10	-0.08	-0.07	-0.06	-0.04	-0.03	-0.02	-0.01	0.01
	TB-450 - A1	N	-3.851	-3.851	-3.851	-3.851	-3.851	-3.851	-3.851	-3.851	-3.851
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	0.790	0.790	0.790	0.790	0.790	0.790	0.790	0.790	0.790
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.49	1.88	1.28	0.67	0.06	-0.55	-1.16	-1.77	-2.38
		Mz	-0.04	-0.03	-0.03	-0.02	-0.02	-0.02	-0.01	-0.01	0.00
	TB-450 - A2	N	-9.033	-9.033	-9.033	-9.033	-9.033	-9.033	-9.033	-9.033	-9.033
		Vy	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010
		Vz	1.869	1.869	1.869	1.869	1.869	1.869	1.869	1.869	1.869
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.90	4.46	3.02	1.58	0.14	-1.31	-2.75	-4.19	-5.63

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.771 m	1.543 m	2.314 m	3.086 m	3.857 m	4.629 m	5.400 m	6.172 m
		Mz	-0.05	-0.05	-0.04	-0.03	-0.02	-0.02	-0.01	0.00	0.01
	TB-450 - B1	N	-53.168	-53.168	-53.168	-53.168	-53.168	-53.168	-53.168	-53.168	-53.168
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	2.489	2.489	2.489	2.489	2.489	2.489	2.489	2.489	2.489
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.45	5.53	3.61	1.69	-0.23	-2.15	-4.07	-5.98	-7.90
		Mz	-0.04	-0.04	-0.03	-0.03	-0.02	-0.02	-0.01	-0.01	0.00
	TB-450 - B2	N	-125.913	-125.913	-125.913	-125.913	-125.913	-125.913	-125.913	-125.913	-125.913
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	5.897	5.897	5.897	5.897	5.897	5.897	5.897	5.897	5.897
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	17.66	13.11	8.56	4.02	-0.53	-5.08	-9.63	-14.18	-18.73
		Mz	-0.03	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	0.00	0.01
	TB-450 - C1	N	-41.546	-41.546	-41.546	-41.546	-41.546	-41.546	-41.546	-41.546	-41.546
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	1.926	1.926	1.926	1.926	1.926	1.926	1.926	1.926	1.926
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.70	4.22	2.73	1.24	-0.24	-1.73	-3.21	-4.70	-6.19
		Mz	-0.05	-0.04	-0.03	-0.03	-0.02	-0.02	-0.01	-0.01	0.00
	TB-450 - C2	N	-98.462	-98.462	-98.462	-98.462	-98.462	-98.462	-98.462	-98.462	-98.462
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	4.567	4.567	4.567	4.567	4.567	4.567	4.567	4.567	4.567
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.52	10.00	6.47	2.95	-0.57	-4.10	-7.62	-11.14	-14.67
		Mz	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.01
	TB-450 - D1	N	-25.102	-25.102	-25.102	-25.102	-25.102	-25.102	-25.102	-25.102	-25.102
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	1.164	1.164	1.164	1.164	1.164	1.164	1.164	1.164	1.164
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.44	2.55	1.65	0.75	-0.15	-1.04	-1.94	-2.84	-3.74
		Mz	-0.03	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	0.00
	TB-450 - D2	N	-59.512	-59.512	-59.512	-59.512	-59.512	-59.512	-59.512	-59.512	-59.512
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	2.760	2.760	2.760	2.760	2.760	2.760	2.760	2.760	2.760
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.17	6.04	3.91	1.78	-0.35	-2.48	-4.61	-6.74	-8.87
		Mz	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-8.655	-8.655	-8.655	-8.655	-8.655	-8.655	-8.655	-8.655	-8.655
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.18	0.87	0.57	0.26	-0.05	-0.36	-0.67	-0.98	-1.28
		Mz	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.743 m	1.486 m	2.228 m	2.971 m	3.714 m	4.457 m	5.200 m	5.943 m
N176/N172	Peso próprio	N	140.039	140.890	141.741	142.592	143.443	144.294	145.145	145.996	146.847
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	-9.092	-8.976	-8.859	-8.743	-8.626	-8.510	-8.394	-8.277	-8.161
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-26.30	-19.59	-12.97	-6.43	0.02	6.39	12.67	18.86	24.96
		Mz	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	-0.01

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.743 m	1.486 m	2.228 m	2.971 m	3.714 m	4.457 m	5.200 m	5.943 m
	LAJE	N	337.238	337.238	337.238	337.238	337.238	337.238	337.238	337.238	337.238
		Vy	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
		Vz	-19.114	-19.114	-19.114	-19.114	-19.114	-19.114	-19.114	-19.114	-19.114
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-57.21	-43.01	-28.81	-14.61	-0.41	13.78	27.98	42.18	56.38
		Mz	0.12	0.10	0.09	0.07	0.06	0.05	0.03	0.02	0.00
	PAVIMENTAÇÃO	N	184.020	184.020	184.020	184.020	184.020	184.020	184.020	184.020	184.020
		Vy	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Vz	-10.430	-10.430	-10.430	-10.430	-10.430	-10.430	-10.430	-10.430	-10.430
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-31.22	-23.47	-15.72	-7.97	-0.23	7.52	15.27	23.02	30.76
		Mz	0.07	0.06	0.05	0.04	0.03	0.03	0.02	0.01	0.00
	RECAPEAMENTO	N	83.646	83.646	83.646	83.646	83.646	83.646	83.646	83.646	83.646
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	-4.741	-4.741	-4.741	-4.741	-4.741	-4.741	-4.741	-4.741	-4.741
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-14.19	-10.67	-7.15	-3.62	-0.10	3.42	6.94	10.46	13.98
		Mz	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.00	0.00
	GUARDA-RODAS	N	45.406	45.406	45.406	45.406	45.406	45.406	45.406	45.406	45.406
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-2.574	-2.574	-2.574	-2.574	-2.574	-2.574	-2.574	-2.574	-2.574
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-7.70	-5.79	-3.88	-1.97	-0.06	1.86	3.77	5.68	7.59
		Mz	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
	Vento 0	N	-3.925	-3.925	-3.925	-3.925	-3.925	-3.925	-3.925	-3.925	-3.925
		Vy	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026
		Vz	0.239	0.239	0.239	0.239	0.239	0.239	0.239	0.239	0.239
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	0.72	0.54	0.37	0.19	0.01	-0.17	-0.34	-0.52	-0.70
		Mz	-0.12	-0.11	-0.09	-0.07	-0.05	-0.03	-0.01	0.01	0.03
	Vento 180	N	1.748	1.748	1.748	1.748	1.748	1.748	1.748	1.748	1.748
		Vy	2.569	1.900	1.232	0.563	-0.105	-0.774	-1.443	-2.111	-2.780
		Vz	-0.116	-0.116	-0.116	-0.116	-0.116	-0.116	-0.116	-0.116	-0.116
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-0.35	-0.26	-0.17	-0.09	0.00	0.08	0.17	0.26	0.34
		Mz	-0.60	-2.26	-3.42	-4.09	-4.26	-3.93	-3.11	-1.79	0.03
	Multidão - Passeio	N	58.931	58.931	58.931	58.931	58.931	58.931	58.931	58.931	58.931
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-3.340	-3.340	-3.340	-3.340	-3.340	-3.340	-3.340	-3.340	-3.340
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-10.00	-7.52	-5.03	-2.55	-0.07	2.41	4.89	7.37	9.85
		Mz	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	192.235	192.235	192.235	192.235	192.235	192.235	192.235	192.235	192.235
		Vy	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vz	-10.895	-10.895	-10.895	-10.895	-10.895	-10.895	-10.895	-10.895	-10.895
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-32.61	-24.51	-16.42	-8.33	-0.24	7.86	15.95	24.04	32.14
		Mz	0.09	0.08	0.07	0.06	0.04	0.03	0.02	0.01	0.00
	TB-450 - A1	N	14.498	14.498	14.498	14.498	14.498	14.498	14.498	14.498	14.498
		Vy	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Vz	-0.429	-0.429	-0.429	-0.429	-0.429	-0.429	-0.429	-0.429	-0.429
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.03	-0.71	-0.39	-0.07	0.24	0.56	0.88	1.20	1.52
		Mz	0.06	0.05	0.04	0.03	0.02	0.02	0.01	0.00	-0.01
	TB-450 - A2	N	34.271	34.271	34.271	34.271	34.271	34.271	34.271	34.271	34.271
		Vy	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Vz	-1.014	-1.014	-1.014	-1.014	-1.014	-1.014	-1.014	-1.014	-1.014

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.743 m	1.486 m	2.228 m	2.971 m	3.714 m	4.457 m	5.200 m	5.943 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.43	-1.68	-0.93	-0.17	0.58	1.33	2.09	2.84	3.59
		Mz	0.08	0.07	0.06	0.06	0.05	0.04	0.03	0.02	0.01
	TB-450 - B1	N	57.852	57.852	57.852	57.852	57.852	57.852	57.852	57.852	57.852
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	-3.209	-3.209	-3.209	-3.209	-3.209	-3.209	-3.209	-3.209	-3.209
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-9.61	-7.22	-4.84	-2.46	-0.07	2.31	4.69	7.08	9.46
		Mz	0.03	0.02	0.02	0.02	0.01	0.01	0.00	0.00	0.00
	TB-450 - B2	N	137.124	137.124	137.124	137.124	137.124	137.124	137.124	137.124	137.124
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	-7.601	-7.601	-7.601	-7.601	-7.601	-7.601	-7.601	-7.601	-7.601
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-22.76	-17.11	-11.46	-5.82	-0.17	5.47	11.12	16.77	22.41
		Mz	0.05	0.04	0.04	0.03	0.03	0.02	0.01	0.01	0.00
	TB-450 - C1	N	44.883	44.883	44.883	44.883	44.883	44.883	44.883	44.883	44.883
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-2.800	-2.800	-2.800	-2.800	-2.800	-2.800	-2.800	-2.800	-2.800
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-8.51	-6.43	-4.35	-2.27	-0.19	1.88	3.96	6.04	8.12
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	106.479	106.479	106.479	106.479	106.479	106.479	106.479	106.479	106.479
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-6.636	-6.636	-6.636	-6.636	-6.636	-6.636	-6.636	-6.636	-6.636
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-20.18	-15.25	-10.32	-5.39	-0.46	4.47	9.40	14.33	19.26
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - D1	N	27.223	27.223	27.223	27.223	27.223	27.223	27.223	27.223	27.223
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.699	-1.699	-1.699	-1.699	-1.699	-1.699	-1.699	-1.699	-1.699
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.17	-3.91	-2.65	-1.39	-0.12	1.14	2.40	3.66	4.93
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	64.591	64.591	64.591	64.591	64.591	64.591	64.591	64.591	64.591
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-4.029	-4.029	-4.029	-4.029	-4.029	-4.029	-4.029	-4.029	-4.029
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-12.26	-9.27	-6.28	-3.28	-0.29	2.70	5.69	8.69	11.68
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	9.362	9.362	9.362	9.362	9.362	9.362	9.362	9.362	9.362
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.585	-0.585	-0.585	-0.585	-0.585	-0.585	-0.585	-0.585	-0.585
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.78	-1.35	-0.91	-0.48	-0.04	0.39	0.83	1.26	1.69
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.771 m	1.543 m	2.314 m	3.085 m	3.857 m	4.628 m	5.399 m	6.171 m
N177/N171	Peso próprio	N	-137.418	-136.534	-135.650	-134.765	-133.881	-132.997	-132.113	-131.228	-130.344
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.771 m	1.543 m	2.314 m	3.085 m	3.857 m	4.628 m	5.399 m	6.171 m
		Vz	7.194	7.311	7.427	7.544	7.660	7.776	7.893	8.009	8.125
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	23.43	17.84	12.15	6.38	0.51	-5.44	-11.48	-17.61	-23.84
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
	LAJE	N	-274.060	-274.060	-274.060	-274.060	-274.060	-274.060	-274.060	-274.060	-274.060
		Vy	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
		Vz	16.697	16.697	16.697	16.697	16.697	16.697	16.697	16.697	16.697
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	52.18	39.30	26.42	13.54	0.66	-12.22	-25.10	-37.98	-50.86
		Mz	-0.12	-0.10	-0.09	-0.07	-0.06	-0.04	-0.03	-0.01	0.00
	PAVIMENTAÇÃO	N	-149.544	-149.544	-149.544	-149.544	-149.544	-149.544	-149.544	-149.544	-149.544
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	9.111	9.111	9.111	9.111	9.111	9.111	9.111	9.111	9.111
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	28.47	21.44	14.42	7.39	0.36	-6.67	-13.69	-20.72	-27.75
		Mz	-0.06	-0.06	-0.05	-0.04	-0.03	-0.02	-0.01	-0.01	0.00
	RECAPEAMENTO	N	-67.975	-67.975	-67.975	-67.975	-67.975	-67.975	-67.975	-67.975	-67.975
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	4.141	4.141	4.141	4.141	4.141	4.141	4.141	4.141	4.141
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	12.94	9.75	6.55	3.36	0.16	-3.03	-6.22	-9.42	-12.61
		Mz	-0.03	-0.03	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	0.00
	GUARDA-RODAS	N	-36.906	-36.906	-36.906	-36.906	-36.906	-36.906	-36.906	-36.906	-36.906
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	2.248	2.248	2.248	2.248	2.248	2.248	2.248	2.248	2.248
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.03	5.29	3.56	1.82	0.09	-1.65	-3.38	-5.11	-6.85
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
	Vento 0	N	4.404	4.404	4.404	4.404	4.404	4.404	4.404	4.404	4.404
		Vy	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vz	-0.238	-0.238	-0.238	-0.238	-0.238	-0.238	-0.238	-0.238	-0.238
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-0.73	-0.54	-0.36	-0.18	0.01	0.19	0.37	0.56	0.74
		Mz	0.05	0.04	0.03	0.01	0.00	-0.01	-0.02	-0.03	-0.04
	Vento 180	N	-2.120	-2.120	-2.120	-2.120	-2.120	-2.120	-2.120	-2.120	-2.120
		Vy	-2.680	-1.986	-1.292	-0.597	0.097	0.791	1.485	2.179	2.873
		Vz	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.34	0.25	0.17	0.08	0.00	-0.08	-0.17	-0.25	-0.33
		Mz	0.59	2.39	3.66	4.38	4.58	4.23	3.36	1.94	0.00
	Multidão - Passeio	N	-47.910	-47.910	-47.910	-47.910	-47.910	-47.910	-47.910	-47.910	-47.910
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	2.919	2.919	2.919	2.919	2.919	2.919	2.919	2.919	2.919
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.12	6.87	4.62	2.37	0.12	-2.14	-4.39	-6.64	-8.89
		Mz	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-156.194	-156.194	-156.194	-156.194	-156.194	-156.194	-156.194	-156.194	-156.194
		Vy	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
		Vz	9.517	9.517	9.517	9.517	9.517	9.517	9.517	9.517	9.517
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	29.74	22.40	15.06	7.72	0.38	-6.96	-14.30	-21.64	-28.99
		Mz	-0.09	-0.08	-0.06	-0.05	-0.04	-0.03	-0.02	-0.01	0.00
	TB-450 - A1	N	7.136	7.136	7.136	7.136	7.136	7.136	7.136	7.136	7.136
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	-0.091	-0.091	-0.091	-0.091	-0.091	-0.091	-0.091	-0.091	-0.091
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.15	-0.08	-0.01	0.06	0.13	0.20	0.27	0.34	0.41
		Mz	-0.07	-0.06	-0.05	-0.04	-0.03	-0.03	-0.02	-0.01	0.00
	TB-450 - A2	N	16.867	16.867	16.867	16.867	16.867	16.867	16.867	16.867	16.867
		Vy	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		Vz	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.771 m	1.543 m	2.314 m	3.085 m	3.857 m	4.628 m	5.399 m	6.171 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.36	-0.19	-0.03	0.14	0.31	0.47	0.64	0.81	0.97
		Mz	-0.07	-0.06	-0.05	-0.04	-0.03	-0.02	-0.01	0.00	0.00
	TB-450 - B1	N	-39.843	-39.843	-39.843	-39.843	-39.843	-39.843	-39.843	-39.843	-39.843
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	2.563	2.563	2.563	2.563	2.563	2.563	2.563	2.563	2.563
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.20	6.22	4.24	2.26	0.29	-1.69	-3.67	-5.64	-7.62
		Mz	-0.03	-0.03	-0.03	-0.02	-0.02	-0.01	-0.01	-0.01	0.00
	TB-450 - B2	N	-94.445	-94.445	-94.445	-94.445	-94.445	-94.445	-94.445	-94.445	-94.445
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	6.076	6.076	6.076	6.076	6.076	6.076	6.076	6.076	6.076
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	19.42	14.74	10.05	5.36	0.68	-4.01	-8.70	-13.38	-18.07
		Mz	-0.04	-0.04	-0.03	-0.02	-0.02	-0.01	-0.01	0.00	0.00
	TB-450 - C1	N	-50.677	-50.677	-50.677	-50.677	-50.677	-50.677	-50.677	-50.677	-50.677
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	2.819	2.819	2.819	2.819	2.819	2.819	2.819	2.819	2.819
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.64	6.47	4.29	2.12	-0.05	-2.23	-4.40	-6.58	-8.75
		Mz	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-120.175	-120.175	-120.175	-120.175	-120.175	-120.175	-120.175	-120.175	-120.175
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	6.685	6.685	6.685	6.685	6.685	6.685	6.685	6.685	6.685
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	20.49	15.34	10.18	5.02	-0.13	-5.29	-10.44	-15.60	-20.76
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-30.944	-30.944	-30.944	-30.944	-30.944	-30.944	-30.944	-30.944	-30.944
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.729	1.729	1.729	1.729	1.729	1.729	1.729	1.729	1.729
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.29	3.96	2.62	1.29	-0.04	-1.38	-2.71	-4.04	-5.38
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-73.391	-73.391	-73.391	-73.391	-73.391	-73.391	-73.391	-73.391	-73.391
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	4.101	4.101	4.101	4.101	4.101	4.101	4.101	4.101	4.101
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	12.55	9.39	6.22	3.06	-0.10	-3.27	-6.43	-9.59	-12.76
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-10.648	-10.648	-10.648	-10.648	-10.648	-10.648	-10.648	-10.648	-10.648
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.82	1.36	0.90	0.44	-0.01	-0.47	-0.93	-1.39	-1.85
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.743 m	1.485 m	2.228 m	2.971 m	3.713 m	4.456 m	5.199 m	5.941 m
N178/N170	Peso próprio	N	116.358	117.209	118.060	118.911	119.762	120.613	121.463	122.314	123.165
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-7.959	-7.843	-7.727	-7.610	-7.494	-7.377	-7.261	-7.145	-7.028
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.743 m	1.485 m	2.228 m	2.971 m	3.713 m	4.456 m	5.199 m	5.941 m
		My	-22.23	-16.36	-10.58	-4.88	0.73	6.25	11.69	17.03	22.30
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
	LAJE	N	273.597	273.597	273.597	273.597	273.597	273.597	273.597	273.597	273.597
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-15.945	-15.945	-15.945	-15.945	-15.945	-15.945	-15.945	-15.945	-15.945
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-46.19	-34.35	-22.50	-10.66	1.18	13.02	24.86	36.71	48.55
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	149.291	149.291	149.291	149.291	149.291	149.291	149.291	149.291	149.291
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-8.701	-8.701	-8.701	-8.701	-8.701	-8.701	-8.701	-8.701	-8.701
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-25.20	-18.74	-12.28	-5.82	0.64	7.11	13.57	20.03	26.49
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	67.860	67.860	67.860	67.860	67.860	67.860	67.860	67.860	67.860
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-3.955	-3.955	-3.955	-3.955	-3.955	-3.955	-3.955	-3.955	-3.955
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-11.46	-8.52	-5.58	-2.64	0.29	3.23	6.17	9.10	12.04
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	36.844	36.844	36.844	36.844	36.844	36.844	36.844	36.844	36.844
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-2.147	-2.147	-2.147	-2.147	-2.147	-2.147	-2.147	-2.147	-2.147
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-6.22	-4.62	-3.03	-1.44	0.16	1.75	3.35	4.94	6.54
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-4.215	-4.215	-4.215	-4.215	-4.215	-4.215	-4.215	-4.215	-4.215
		Vy	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038
		Vz	0.312	0.312	0.312	0.312	0.312	0.312	0.312	0.312	0.312
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	0.93	0.70	0.47	0.23	0.00	-0.23	-0.46	-0.69	-0.92
		Mz	-0.26	-0.23	-0.20	-0.17	-0.14	-0.12	-0.09	-0.06	-0.03
	Vento 180	N	1.903	1.903	1.903	1.903	1.903	1.903	1.903	1.903	1.903
		Vy	2.584	1.916	1.247	0.579	-0.090	-0.758	-1.427	-2.095	-2.763
		Vz	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-0.47	-0.36	-0.24	-0.12	0.00	0.12	0.23	0.35	0.47
		Mz	-0.54	-2.21	-3.39	-4.07	-4.25	-3.93	-3.12	-1.81	-0.01
	Multidão - Passeio	N	47.829	47.829	47.829	47.829	47.829	47.829	47.829	47.829	47.829
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-2.787	-2.787	-2.787	-2.787	-2.787	-2.787	-2.787	-2.787	-2.787
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-8.07	-6.00	-3.93	-1.86	0.21	2.28	4.35	6.42	8.48
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	155.929	155.929	155.929	155.929	155.929	155.929	155.929	155.929	155.929
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-9.089	-9.089	-9.089	-9.089	-9.089	-9.089	-9.089	-9.089	-9.089
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-26.33	-19.58	-12.83	-6.08	0.67	7.42	14.17	20.92	27.67
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-7.006	-7.006	-7.006	-7.006	-7.006	-7.006	-7.006	-7.006	-7.006
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	0.463	0.463	0.463	0.463	0.463	0.463	0.463	0.463	0.463
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.49	1.15	0.80	0.46	0.11	-0.23	-0.57	-0.92	-1.26
		Mz	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-16.565	-16.565	-16.565	-16.565	-16.565	-16.565	-16.565	-16.565	-16.565

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.743 m	1.485 m	2.228 m	2.971 m	3.713 m	4.456 m	5.199 m	5.941 m
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	1.095	1.095	1.095	1.095	1.095	1.095	1.095	1.095	1.095
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.52	2.71	1.89	1.08	0.27	-0.55	-1.36	-2.17	-2.98
		Mz	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.00
	TB-450 - B1	N	41.483	41.483	41.483	41.483	41.483	41.483	41.483	41.483	41.483
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-1.849	-1.849	-1.849	-1.849	-1.849	-1.849	-1.849	-1.849	-1.849
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.11	-3.74	-2.36	-0.99	0.38	1.76	3.13	4.50	5.88
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	98.352	98.352	98.352	98.352	98.352	98.352	98.352	98.352	98.352
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	-4.383	-4.383	-4.383	-4.383	-4.383	-4.383	-4.383	-4.383	-4.383
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-12.12	-8.86	-5.61	-2.35	0.91	4.16	7.42	10.67	13.93
		Mz	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.00
	TB-450 - C1	N	48.999	48.999	48.999	48.999	48.999	48.999	48.999	48.999	48.999
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	-3.195	-3.195	-3.195	-3.195	-3.195	-3.195	-3.195	-3.195	-3.195
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-9.45	-7.08	-4.71	-2.34	0.04	2.41	4.78	7.16	9.53
		Mz	-0.03	-0.03	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	0.00
	TB-450 - C2	N	116.234	116.234	116.234	116.234	116.234	116.234	116.234	116.234	116.234
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-7.572	-7.572	-7.572	-7.572	-7.572	-7.572	-7.572	-7.572	-7.572
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-22.41	-16.78	-11.16	-5.53	0.09	5.71	11.34	16.96	22.58
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
	TB-450 - D1	N	30.692	30.692	30.692	30.692	30.692	30.692	30.692	30.692	30.692
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-2.004	-2.004	-2.004	-2.004	-2.004	-2.004	-2.004	-2.004	-2.004
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.95	-4.46	-2.97	-1.48	0.00	1.49	2.98	4.47	5.96
		Mz	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
	TB-450 - D2	N	72.813	72.813	72.813	72.813	72.813	72.813	72.813	72.813	72.813
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-4.751	-4.751	-4.751	-4.751	-4.751	-4.751	-4.751	-4.751	-4.751
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-14.10	-10.58	-7.05	-3.52	0.01	3.54	7.07	10.59	14.12
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
	TB-450 - E1	N	10.574	10.574	10.574	10.574	10.574	10.574	10.574	10.574	10.574
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-0.688	-0.688	-0.688	-0.688	-0.688	-0.688	-0.688	-0.688	-0.688
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.04	-1.53	-1.02	-0.51	0.00	0.51	1.02	1.53	2.05
		Mz	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.771 m	1.542 m	2.314 m	3.085 m	3.856 m	4.627 m	5.398 m	6.169 m
N179/N169	Peso próprio	N	-98.731	-97.847	-96.963	-96.079	-95.195	-94.311	-93.427	-92.542	-91.658
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	5.037	5.153	5.270	5.386	5.503	5.619	5.735	5.852	5.968
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	17.17	13.24	9.22	5.11	0.91	-3.37	-7.75	-12.22	-16.78
		Mz	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-176.470	-176.470	-176.470	-176.470	-176.470	-176.470	-176.470	-176.470	-176.470
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	11.244	11.244	11.244	11.244	11.244	11.244	11.244	11.244	11.244
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	36.27	27.60	18.93	10.26	1.59	-7.09	-15.76	-24.43	-33.10
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-96.295	-96.295	-96.295	-96.295	-96.295	-96.295	-96.295	-96.295	-96.295
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	6.135	6.135	6.135	6.135	6.135	6.135	6.135	6.135	6.135
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	19.79	15.06	10.33	5.60	0.86	-3.87	-8.60	-13.33	-18.06
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-43.770	-43.770	-43.770	-43.770	-43.770	-43.770	-43.770	-43.770	-43.770
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.789	2.789	2.789	2.789	2.789	2.789	2.789	2.789	2.789
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.00	6.85	4.69	2.54	0.39	-1.76	-3.91	-6.06	-8.21
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-23.758	-23.758	-23.758	-23.758	-23.758	-23.758	-23.758	-23.758	-23.758
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.514	1.514	1.514	1.514	1.514	1.514	1.514	1.514	1.514
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.88	3.72	2.55	1.38	0.21	-0.95	-2.12	-3.29	-4.46
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	4.862	4.862	4.862	4.862	4.862	4.862	4.862	4.862	4.862
		Vy	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vz	-0.258	-0.258	-0.258	-0.258	-0.258	-0.258	-0.258	-0.258	-0.258
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	-0.82	-0.62	-0.42	-0.22	-0.02	0.18	0.38	0.58	0.77
		Mz	-0.03	-0.04	-0.06	-0.07	-0.08	-0.09	-0.11	-0.12	-0.13
	Vento 180	N	-2.287	-2.287	-2.287	-2.287	-2.287	-2.287	-2.287	-2.287	-2.287
		Vy	-2.675	-1.981	-1.287	-0.593	0.101	0.795	1.489	2.183	2.877
		Vz	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	0.39	0.30	0.21	0.12	0.03	-0.06	-0.15	-0.24	-0.33
		Mz	0.68	2.48	3.74	4.46	4.65	4.31	3.43	2.01	0.06
	Multidão - Passeio	N	-30.831	-30.831	-30.831	-30.831	-30.831	-30.831	-30.831	-30.831	-30.831
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.965	1.965	1.965	1.965	1.965	1.965	1.965	1.965	1.965
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.34	4.82	3.31	1.79	0.28	-1.24	-2.75	-4.27	-5.78
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-100.601	-100.601	-100.601	-100.601	-100.601	-100.601	-100.601	-100.601	-100.601
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	6.409	6.409	6.409	6.409	6.409	6.409	6.409	6.409	6.409
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	20.67	15.73	10.79	5.85	0.90	-4.04	-8.98	-13.92	-18.87
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	10.116	10.116	10.116	10.116	10.116	10.116	10.116	10.116	10.116
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-0.567	-0.567	-0.567	-0.567	-0.567	-0.567	-0.567	-0.567	-0.567
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.68	-1.24	-0.80	-0.37	0.07	0.51	0.94	1.38	1.82
		Mz	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.771 m	1.542 m	2.314 m	3.085 m	3.856 m	4.627 m	5.398 m	6.169 m
	TB-450 - A2	N	23.881	23.881	23.881	23.881	23.881	23.881	23.881	23.881	23.881
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-1.338	-1.338	-1.338	-1.338	-1.338	-1.338	-1.338	-1.338	-1.338
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.96	-2.93	-1.90	-0.87	0.17	1.20	2.23	3.26	4.29
		Mz	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	2.055	2.055	2.055	2.055	2.055	2.055	2.055	2.055	2.055
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.17	1.74	1.31	0.88	0.45	0.02	-0.41	-0.85	-1.28
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00
	TB-450 - B2	N	4.759	4.759	4.759	4.759	4.759	4.759	4.759	4.759	4.759
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	1.330	1.330	1.330	1.330	1.330	1.330	1.330	1.330	1.330
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.16	4.13	3.11	2.08	1.06	0.03	-0.99	-2.02	-3.05
		Mz	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-48.799	-48.799	-48.799	-48.799	-48.799	-48.799	-48.799	-48.799	-48.799
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	2.698	2.698	2.698	2.698	2.698	2.698	2.698	2.698	2.698
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.50	6.42	4.34	2.26	0.18	-1.90	-3.98	-6.06	-8.14
		Mz	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-115.653	-115.653	-115.653	-115.653	-115.653	-115.653	-115.653	-115.653	-115.653
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	6.397	6.397	6.397	6.397	6.397	6.397	6.397	6.397	6.397
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	20.15	15.22	10.29	5.35	0.42	-4.51	-9.44	-14.38	-19.31
		Mz	0.03	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.00
	TB-450 - D1	N	-32.649	-32.649	-32.649	-32.649	-32.649	-32.649	-32.649	-32.649	-32.649
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	1.813	1.813	1.813	1.813	1.813	1.813	1.813	1.813	1.813
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.61	4.22	2.82	1.42	0.02	-1.38	-2.77	-4.17	-5.57
		Mz	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-77.365	-77.365	-77.365	-77.365	-77.365	-77.365	-77.365	-77.365	-77.365
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	4.297	4.297	4.297	4.297	4.297	4.297	4.297	4.297	4.297
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.31	9.99	6.68	3.37	0.05	-3.26	-6.58	-9.89	-13.20
		Mz	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00
	TB-450 - E1	N	-11.183	-11.183	-11.183	-11.183	-11.183	-11.183	-11.183	-11.183	-11.183
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.623	0.623	0.623	0.623	0.623	0.623	0.623	0.623	0.623
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.93	1.45	0.97	0.49	0.01	-0.47	-0.95	-1.43	-1.91
		Mz	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.743 m	1.485 m	2.228 m	2.970 m	3.713 m	4.455 m	5.198 m	5.940 m
N180/N168	Peso próprio	N	76.121	76.972	77.823	78.673	79.524	80.375	81.225	82.076	82.927
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.743 m	1.485 m	2.228 m	2.970 m	3.713 m	4.455 m	5.198 m	5.940 m
		Vz	-4.972	-4.856	-4.739	-4.623	-4.507	-4.390	-4.274	-4.158	-4.041
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-13.33	-9.68	-6.11	-2.64	0.75	4.05	7.27	10.40	13.45
		Mz	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	171.814	171.814	171.814	171.814	171.814	171.814	171.814	171.814	171.814
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-8.516	-8.516	-8.516	-8.516	-8.516	-8.516	-8.516	-8.516	-8.516
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-24.05	-17.73	-11.40	-5.08	1.24	7.57	13.89	20.21	26.54
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	93.754	93.754	93.754	93.754	93.754	93.754	93.754	93.754	93.754
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-4.647	-4.647	-4.647	-4.647	-4.647	-4.647	-4.647	-4.647	-4.647
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-13.12	-9.67	-6.22	-2.77	0.68	4.13	7.58	11.03	14.48
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	42.616	42.616	42.616	42.616	42.616	42.616	42.616	42.616	42.616
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-2.112	-2.112	-2.112	-2.112	-2.112	-2.112	-2.112	-2.112	-2.112
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.97	-4.40	-2.83	-1.26	0.31	1.88	3.45	5.01	6.58
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	23.132	23.132	23.132	23.132	23.132	23.132	23.132	23.132	23.132
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.146	-1.146	-1.146	-1.146	-1.146	-1.146	-1.146	-1.146	-1.146
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.24	-2.39	-1.54	-0.68	0.17	1.02	1.87	2.72	3.57
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-4.586	-4.586	-4.586	-4.586	-4.586	-4.586	-4.586	-4.586	-4.586
		Vy	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Vz	0.259	0.259	0.259	0.259	0.259	0.259	0.259	0.259	0.259
		Mt	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		My	0.74	0.55	0.36	0.17	-0.02	-0.22	-0.41	-0.60	-0.79
		Mz	-0.03	-0.04	-0.05	-0.06	-0.07	-0.07	-0.08	-0.09	-0.10
	Vento 180	N	2.148	2.148	2.148	2.148	2.148	2.148	2.148	2.148	2.148
		Vy	2.552	1.883	1.215	0.547	-0.122	-0.790	-1.458	-2.126	-2.795
		Vz	-0.099	-0.099	-0.099	-0.099	-0.099	-0.099	-0.099	-0.099	-0.099
		Mt	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		My	-0.27	-0.20	-0.12	-0.05	0.02	0.10	0.17	0.24	0.32
		Mz	-0.68	-2.33	-3.48	-4.14	-4.29	-3.95	-3.12	-1.79	0.04
	Multidão - Passeio	N	30.019	30.019	30.019	30.019	30.019	30.019	30.019	30.019	30.019
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.488	-1.488	-1.488	-1.488	-1.488	-1.488	-1.488	-1.488	-1.488
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.20	-3.10	-1.99	-0.89	0.22	1.32	2.43	3.53	4.64
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	97.945	97.945	97.945	97.945	97.945	97.945	97.945	97.945	97.945
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-4.855	-4.855	-4.855	-4.855	-4.855	-4.855	-4.855	-4.855	-4.855
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-13.71	-10.11	-6.50	-2.90	0.71	4.31	7.92	11.52	15.13
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-10.358	-10.358	-10.358	-10.358	-10.358	-10.358	-10.358	-10.358	-10.358
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.712	0.712	0.712	0.712	0.712	0.712	0.712	0.712	0.712
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.12	1.59	1.07	0.54	0.01	-0.52	-1.05	-1.58	-2.11

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.743 m	1.485 m	2.228 m	2.970 m	3.713 m	4.455 m	5.198 m	5.940 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-24.453	-24.453	-24.453	-24.453	-24.453	-24.453	-24.453	-24.453	-24.453
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	1.679	1.679	1.679	1.679	1.679	1.679	1.679	1.679	1.679
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.01	3.76	2.51	1.27	0.02	-1.23	-2.48	-3.72	-4.97
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.250	-0.250	-0.250	-0.250	-0.250	-0.250	-0.250	-0.250	-0.250
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	0.582	0.582	0.582	0.582	0.582	0.582	0.582	0.582	0.582
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.10	1.66	1.23	0.80	0.37	-0.06	-0.50	-0.93	-1.36
		Mz	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	0.00
	TB-450 - B2	N	-0.492	-0.492	-0.492	-0.492	-0.492	-0.492	-0.492	-0.492	-0.492
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	1.370	1.370	1.370	1.370	1.370	1.370	1.370	1.370	1.370
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.94	3.92	2.90	1.89	0.87	-0.15	-1.16	-2.18	-3.20
		Mz	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.00
	TB-450 - C1	N	46.294	46.294	46.294	46.294	46.294	46.294	46.294	46.294	46.294
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-2.489	-2.489	-2.489	-2.489	-2.489	-2.489	-2.489	-2.489	-2.489
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-7.21	-5.36	-3.52	-1.67	0.18	2.03	3.88	5.73	7.57
		Mz	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	0.00
	TB-450 - C2	N	109.717	109.717	109.717	109.717	109.717	109.717	109.717	109.717	109.717
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-5.901	-5.901	-5.901	-5.901	-5.901	-5.901	-5.901	-5.901	-5.901
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-17.10	-12.72	-8.34	-3.95	0.43	4.81	9.19	13.57	17.95
		Mz	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
	TB-450 - D1	N	31.719	31.719	31.719	31.719	31.719	31.719	31.719	31.719	31.719
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-1.997	-1.997	-1.997	-1.997	-1.997	-1.997	-1.997	-1.997	-1.997
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.92	-4.44	-2.96	-1.47	0.01	1.49	2.98	4.46	5.94
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
	TB-450 - D2	N	75.162	75.162	75.162	75.162	75.162	75.162	75.162	75.162	75.162
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-4.731	-4.731	-4.731	-4.731	-4.731	-4.731	-4.731	-4.731	-4.731
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-14.03	-10.52	-7.00	-3.49	0.02	3.54	7.05	10.56	14.08
		Mz	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	10.932	10.932	10.932	10.932	10.932	10.932	10.932	10.932	10.932
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-0.688	-0.688	-0.688	-0.688	-0.688	-0.688	-0.688	-0.688	-0.688
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.04	-1.53	-1.02	-0.51	0.00	0.51	1.02	1.53	2.04
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.774 m	1.548 m	2.322 m	3.096 m	3.870 m	4.644 m	5.418 m	6.192 m
N181/N167	Peso próprio	N	-36.267	-35.379	-34.492	-33.605	-32.717	-31.830	-30.943	-30.055	-29.168
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	2.270	2.386	2.502	2.618	2.734	2.850	2.967	3.083	3.199
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.65	6.85	4.96	2.98	0.90	-1.26	-3.51	-5.85	-8.28
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
	LAJE	N	-24.536	-24.536	-24.536	-24.536	-24.536	-24.536	-24.536	-24.536	-24.536
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	4.299	4.299	4.299	4.299	4.299	4.299	4.299	4.299	4.299
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.94	11.61	8.28	4.95	1.63	-1.70	-5.03	-8.35	-11.68
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-13.389	-13.389	-13.389	-13.389	-13.389	-13.389	-13.389	-13.389	-13.389
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.346	2.346	2.346	2.346	2.346	2.346	2.346	2.346	2.346
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.15	6.33	4.52	2.70	0.89	-0.93	-2.74	-4.56	-6.37
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-6.086	-6.086	-6.086	-6.086	-6.086	-6.086	-6.086	-6.086	-6.086
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.066	1.066	1.066	1.066	1.066	1.066	1.066	1.066	1.066
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.70	2.88	2.05	1.23	0.40	-0.42	-1.25	-2.07	-2.90
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-3.303	-3.303	-3.303	-3.303	-3.303	-3.303	-3.303	-3.303	-3.303
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.579	0.579	0.579	0.579	0.579	0.579	0.579	0.579	0.579
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.01	1.56	1.11	0.67	0.22	-0.23	-0.68	-1.12	-1.57
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	1.669	1.669	1.669	1.669	1.669	1.669	1.669	1.669	1.669
		Vy	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061
		Vz	-0.127	-0.127	-0.127	-0.127	-0.127	-0.127	-0.127	-0.127	-0.127
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	-0.43	-0.33	-0.23	-0.13	-0.04	0.06	0.16	0.26	0.36
		Mz	-0.33	-0.38	-0.42	-0.47	-0.52	-0.56	-0.61	-0.66	-0.70
	Vento 180	N	0.820	0.820	0.820	0.820	0.820	0.820	0.820	0.820	0.820
		Vy	-2.730	-2.034	-1.337	-0.641	0.056	0.752	1.449	2.146	2.842
		Vz	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08
		Mz	0.86	2.70	4.01	4.77	5.00	4.69	3.84	2.44	0.51
	Multidão - Passeio	N	-4.286	-4.286	-4.286	-4.286	-4.286	-4.286	-4.286	-4.286	-4.286
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.61	2.03	1.45	0.87	0.28	-0.30	-0.88	-1.46	-2.04
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-13.989	-13.989	-13.989	-13.989	-13.989	-13.989	-13.989	-13.989	-13.989
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.451	2.451	2.451	2.451	2.451	2.451	2.451	2.451	2.451
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.51	6.62	4.72	2.82	0.93	-0.97	-2.87	-4.76	-6.66
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	12.817	12.817	12.817	12.817	12.817	12.817	12.817	12.817	12.817
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-0.662	-0.662	-0.662	-0.662	-0.662	-0.662	-0.662	-0.662	-0.662

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.774 m	1.548 m	2.322 m	3.096 m	3.870 m	4.644 m	5.418 m	6.192 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.01	-1.50	-0.99	-0.47	0.04	0.55	1.06	1.57	2.09
		Mz	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	30.231	30.231	30.231	30.231	30.231	30.231	30.231	30.231	30.231
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-1.562	-1.562	-1.562	-1.562	-1.562	-1.562	-1.562	-1.562	-1.562
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.75	-3.54	-2.33	-1.12	0.09	1.30	2.51	3.72	4.92
		Mz	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	31.234	31.234	31.234	31.234	31.234	31.234	31.234	31.234	31.234
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.256	-1.256	-1.256	-1.256	-1.256	-1.256	-1.256	-1.256	-1.256
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.65	-2.67	-1.70	-0.73	0.24	1.22	2.19	3.16	4.13
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	73.699	73.699	73.699	73.699	73.699	73.699	73.699	73.699	73.699
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-2.962	-2.962	-2.962	-2.962	-2.962	-2.962	-2.962	-2.962	-2.962
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-8.60	-6.30	-4.01	-1.72	0.58	2.87	5.16	7.45	9.75
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-16.245	-16.245	-16.245	-16.245	-16.245	-16.245	-16.245	-16.245	-16.245
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.489	1.489	1.489	1.489	1.489	1.489	1.489	1.489	1.489
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.02	3.87	2.72	1.57	0.42	-0.74	-1.89	-3.04	-4.19
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-38.713	-38.713	-38.713	-38.713	-38.713	-38.713	-38.713	-38.713	-38.713
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	3.537	3.537	3.537	3.537	3.537	3.537	3.537	3.537	3.537
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.93	9.19	6.46	3.72	0.98	-1.76	-4.50	-7.23	-9.97
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-28.766	-28.766	-28.766	-28.766	-28.766	-28.766	-28.766	-28.766	-28.766
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.763	1.763	1.763	1.763	1.763	1.763	1.763	1.763	1.763
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.50	4.13	2.77	1.41	0.04	-1.32	-2.69	-4.05	-5.42
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-68.239	-68.239	-68.239	-68.239	-68.239	-68.239	-68.239	-68.239	-68.239
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	4.182	4.182	4.182	4.182	4.182	4.182	4.182	4.182	4.182
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.04	9.80	6.57	3.33	0.09	-3.14	-6.38	-9.62	-12.85
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-10.017	-10.017	-10.017	-10.017	-10.017	-10.017	-10.017	-10.017	-10.017
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.618	0.618	0.618	0.618	0.618	0.618	0.618	0.618	0.618
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.92	1.44	0.96	0.49	0.01	-0.47	-0.95	-1.43	-1.90
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.768 m	1.535 m	2.303 m	3.071 m	3.839 m	4.606 m	5.374 m	6.142 m
N182/N166	Peso próprio	N	34.853	35.733	36.614	37.494	38.374	39.254	40.134	41.014	41.894
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-2.150	-2.035	-1.919	-1.803	-1.687	-1.572	-1.456	-1.340	-1.225
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.26	-3.66	-2.14	-0.71	0.63	1.88	3.04	4.12	5.10
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	66.735	66.735	66.735	66.735	66.735	66.735	66.735	66.735	66.735
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.336	-1.336	-1.336	-1.336	-1.336	-1.336	-1.336	-1.336	-1.336
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.08	-2.06	-1.03	-0.01	1.02	2.04	3.07	4.10	5.12
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	36.416	36.416	36.416	36.416	36.416	36.416	36.416	36.416	36.416
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.729	-0.729	-0.729	-0.729	-0.729	-0.729	-0.729	-0.729	-0.729
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.68	-1.12	-0.56	0.00	0.56	1.12	1.68	2.24	2.80
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	16.553	16.553	16.553	16.553	16.553	16.553	16.553	16.553	16.553
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.331	-0.331	-0.331	-0.331	-0.331	-0.331	-0.331	-0.331	-0.331
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.77	-0.51	-0.26	0.00	0.25	0.51	0.76	1.02	1.27
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	8.984	8.984	8.984	8.984	8.984	8.984	8.984	8.984	8.984
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.42	-0.28	-0.14	0.00	0.14	0.28	0.41	0.55	0.69
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-0.536	-0.536	-0.536	-0.536	-0.536	-0.536	-0.536	-0.536	-0.536
		Vy	-0.081	-0.081	-0.081	-0.081	-0.081	-0.081	-0.081	-0.081	-0.081
		Vz	0.058	0.058	0.058	0.058	0.058	0.058	0.058	0.058	0.058
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	0.14	0.10	0.05	0.01	-0.04	-0.08	-0.13	-0.17	-0.22
		Mz	0.06	0.13	0.19	0.25	0.31	0.37	0.44	0.50	0.56
	Vento 180	N	-1.714	-1.714	-1.714	-1.714	-1.714	-1.714	-1.714	-1.714	-1.714
		Vy	2.691	2.001	1.310	0.619	-0.072	-0.763	-1.454	-2.145	-2.836
		Vz	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	0.29	0.23	0.16	0.10	0.04	-0.03	-0.09	-0.16	-0.22
		Mz	-0.89	-2.69	-3.96	-4.70	-4.91	-4.59	-3.74	-2.36	-0.44
	Multidão - Passeio	N	11.657	11.657	11.657	11.657	11.657	11.657	11.657	11.657	11.657
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.233	-0.233	-0.233	-0.233	-0.233	-0.233	-0.233	-0.233	-0.233
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.54	-0.36	-0.18	0.00	0.18	0.36	0.54	0.72	0.89
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	38.047	38.047	38.047	38.047	38.047	38.047	38.047	38.047	38.047
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.762	-0.762	-0.762	-0.762	-0.762	-0.762	-0.762	-0.762	-0.762
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.76	-1.17	-0.59	0.00	0.58	1.17	1.75	2.34	2.92
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-10.363	-10.363	-10.363	-10.363	-10.363	-10.363	-10.363	-10.363	-10.363
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.768 m	1.535 m	2.303 m	3.071 m	3.839 m	4.606 m	5.374 m	6.142 m
		Vz	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.08	1.56	1.04	0.52	-0.01	-0.53	-1.05	-1.57	-2.10
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-24.433	-24.433	-24.433	-24.433	-24.433	-24.433	-24.433	-24.433	-24.433
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.605	1.605	1.605	1.605	1.605	1.605	1.605	1.605	1.605
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.91	3.68	2.45	1.22	-0.02	-1.25	-2.48	-3.71	-4.94
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-25.696	-25.696	-25.696	-25.696	-25.696	-25.696	-25.696	-25.696	-25.696
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.699	1.699	1.699	1.699	1.699	1.699	1.699	1.699	1.699
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.33	4.02	2.72	1.42	0.11	-1.19	-2.50	-3.80	-5.11
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - B2	N	-60.606	-60.606	-60.606	-60.606	-60.606	-60.606	-60.606	-60.606	-60.606
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	4.009	4.009	4.009	4.009	4.009	4.009	4.009	4.009	4.009
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	12.57	9.50	6.42	3.34	0.26	-2.82	-5.89	-8.97	-12.05
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - C1	N	23.772	23.772	23.772	23.772	23.772	23.772	23.772	23.772	23.772
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.522	-0.522	-0.522	-0.522	-0.522	-0.522	-0.522	-0.522	-0.522
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.25	-0.85	-0.45	-0.05	0.35	0.75	1.15	1.55	1.95
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - C2	N	56.515	56.515	56.515	56.515	56.515	56.515	56.515	56.515	56.515
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.01	-2.05	-1.10	-0.14	0.82	1.78	2.74	3.69	4.65
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - D1	N	31.261	31.261	31.261	31.261	31.261	31.261	31.261	31.261	31.261
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.803	-1.803	-1.803	-1.803	-1.803	-1.803	-1.803	-1.803	-1.803
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.52	-4.13	-2.75	-1.37	0.02	1.40	2.79	4.17	5.56
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - D2	N	74.144	74.144	74.144	74.144	74.144	74.144	74.144	74.144	74.144
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-4.276	-4.276	-4.276	-4.276	-4.276	-4.276	-4.276	-4.276	-4.276
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-13.09	-9.81	-6.52	-3.24	0.04	3.33	6.61	9.89	13.17
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - E1	N	11.283	11.283	11.283	11.283	11.283	11.283	11.283	11.283	11.283
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.653	-0.653	-0.653	-0.653	-0.653	-0.653	-0.653	-0.653	-0.653
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.01	-1.51	-1.01	-0.51	0.00	0.50	1.00	1.50	2.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.768 m	1.535 m	2.303 m	3.071 m	3.839 m	4.606 m	5.374 m	6.142 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.777 m	1.554 m	2.331 m	3.108 m	3.885 m	4.661 m	5.438 m	6.215 m
N183/N165	Peso próprio	N	-5.648	-4.757	-3.866	-2.975	-2.084	-1.194	-0.303	0.588	1.479
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.461	0.576	0.692	0.808	0.923	1.039	1.155	1.271	1.386
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.88	2.47	1.98	1.40	0.73	-0.04	-0.89	-1.83	-2.86
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	66.716	66.716	66.716	66.716	66.716	66.716	66.716	66.716	66.716
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-0.961	-0.961	-0.961	-0.961	-0.961	-0.961	-0.961	-0.961	-0.961
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.71	-0.97	-0.22	0.53	1.27	2.02	2.77	3.51	4.26
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01
	PAVIMENTAÇÃO	N	36.406	36.406	36.406	36.406	36.406	36.406	36.406	36.406	36.406
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-0.525	-0.525	-0.525	-0.525	-0.525	-0.525	-0.525	-0.525	-0.525
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.94	-0.53	-0.12	0.29	0.69	1.10	1.51	1.92	2.33
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	16.548	16.548	16.548	16.548	16.548	16.548	16.548	16.548	16.548
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.238	-0.238	-0.238	-0.238	-0.238	-0.238	-0.238	-0.238	-0.238
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.43	-0.24	-0.05	0.13	0.32	0.50	0.69	0.87	1.06
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	8.981	8.981	8.981	8.981	8.981	8.981	8.981	8.981	8.981
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.129	-0.129	-0.129	-0.129	-0.129	-0.129	-0.129	-0.129	-0.129
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.23	-0.13	-0.03	0.07	0.17	0.27	0.37	0.47	0.57
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-0.475	-0.475	-0.475	-0.475	-0.475	-0.475	-0.475	-0.475	-0.475
		Vy	0.176	0.176	0.176	0.176	0.176	0.176	0.176	0.176	0.176
		Vz	0.053	0.053	0.053	0.053	0.053	0.053	0.053	0.053	0.053
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	0.12	0.07	0.03	-0.01	-0.05	-0.09	-0.13	-0.17	-0.21
		Mz	-0.05	-0.19	-0.33	-0.46	-0.60	-0.74	-0.87	-1.01	-1.15
	Vento 180	N	2.741	2.741	2.741	2.741	2.741	2.741	2.741	2.741	2.741
		Vy	-2.802	-2.103	-1.404	-0.704	-0.005	0.694	1.393	2.092	2.792
		Vz	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	-0.51	-0.37	-0.23	-0.09	0.05	0.19	0.33	0.47	0.61
		Mz	0.78	2.69	4.05	4.87	5.15	4.88	4.07	2.71	0.82
	Multidão - Passeio	N	11.653	11.653	11.653	11.653	11.653	11.653	11.653	11.653	11.653
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.168	-0.168	-0.168	-0.168	-0.168	-0.168	-0.168	-0.168	-0.168
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.30	-0.17	-0.04	0.09	0.22	0.35	0.48	0.61	0.74
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	38.037	38.037	38.037	38.037	38.037	38.037	38.037	38.037	38.037
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-0.548	-0.548	-0.548	-0.548	-0.548	-0.548	-0.548	-0.548	-0.548
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.777 m	1.554 m	2.331 m	3.108 m	3.885 m	4.661 m	5.438 m	6.215 m
		My	-0.98	-0.55	-0.13	0.30	0.73	1.15	1.58	2.00	2.43
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	11.472	11.472	11.472	11.472	11.472	11.472	11.472	11.472	11.472
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-0.620	-0.620	-0.620	-0.620	-0.620	-0.620	-0.620	-0.620	-0.620
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.92	-1.44	-0.96	-0.47	0.01	0.49	0.97	1.45	1.93
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	27.043	27.043	27.043	27.043	27.043	27.043	27.043	27.043	27.043
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-1.461	-1.461	-1.461	-1.461	-1.461	-1.461	-1.461	-1.461	-1.461
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.52	-3.39	-2.25	-1.12	0.02	1.15	2.29	3.42	4.56
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	31.811	31.811	31.811	31.811	31.811	31.811	31.811	31.811	31.811
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-1.711	-1.711	-1.711	-1.711	-1.711	-1.711	-1.711	-1.711	-1.711
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.27	-3.94	-2.61	-1.28	0.05	1.38	2.71	4.04	5.37
		Mz	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	75.026	75.026	75.026	75.026	75.026	75.026	75.026	75.026	75.026
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	-4.033	-4.033	-4.033	-4.033	-4.033	-4.033	-4.033	-4.033	-4.033
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-12.42	-9.28	-6.15	-3.02	0.12	3.25	6.38	9.52	12.65
		Mz	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	-0.01
	TB-450 - C1	N	23.806	23.806	23.806	23.806	23.806	23.806	23.806	23.806	23.806
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-0.459	-0.459	-0.459	-0.459	-0.459	-0.459	-0.459	-0.459	-0.459
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.05	-0.69	-0.33	0.02	0.38	0.74	1.09	1.45	1.81
		Mz	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.01	0.01	0.01
	TB-450 - C2	N	56.074	56.074	56.074	56.074	56.074	56.074	56.074	56.074	56.074
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	-1.070	-1.070	-1.070	-1.070	-1.070	-1.070	-1.070	-1.070	-1.070
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.43	-1.60	-0.76	0.07	0.90	1.73	2.56	3.39	4.22
		Mz	0.01	0.01	0.01	0.00	0.00	0.00	-0.01	-0.01	-0.01
	TB-450 - D1	N	-25.915	-25.915	-25.915	-25.915	-25.915	-25.915	-25.915	-25.915	-25.915
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	1.668	1.668	1.668	1.668	1.668	1.668	1.668	1.668	1.668
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.32	4.03	2.73	1.44	0.14	-1.15	-2.45	-3.75	-5.04
		Mz	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
	TB-450 - D2	N	-61.534	-61.534	-61.534	-61.534	-61.534	-61.534	-61.534	-61.534	-61.534
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	3.960	3.960	3.960	3.960	3.960	3.960	3.960	3.960	3.960
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	12.64	9.56	6.48	3.41	0.33	-2.74	-5.82	-8.90	-11.97
		Mz	0.01	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01
	TB-450 - E1	N	-10.459	-10.459	-10.459	-10.459	-10.459	-10.459	-10.459	-10.459	-10.459
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.668	0.668	0.668	0.668	0.668	0.668	0.668	0.668	0.668
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.08	1.56	1.04	0.52	0.00	-0.51	-1.03	-1.55	-2.07
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.777 m	1.554 m	2.331 m	3.108 m	3.885 m	4.661 m	5.438 m	6.215 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.763 m	1.527 m	2.290 m	3.054 m	3.817 m	4.581 m	5.344 m	6.107 m
N205/N228	Peso próprio	N	14.808	15.683	16.558	17.433	18.308	19.183	20.058	20.933	21.808
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-0.322	-0.206	-0.090	0.025	0.141	0.257	0.373	0.489	0.605
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.60	0.81	0.92	0.94	0.88	0.73	0.49	0.16	-0.26
		Mz	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.01
	LAJE	N	-5.562	-5.562	-5.562	-5.562	-5.562	-5.562	-5.562	-5.562	-5.562
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	4.151	4.151	4.151	4.151	4.151	4.151	4.151	4.151	4.151
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.23	11.06	7.89	4.72	1.55	-1.62	-4.79	-7.96	-11.13
		Mz	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
	PAVIMENTAÇÃO	N	-3.035	-3.035	-3.035	-3.035	-3.035	-3.035	-3.035	-3.035	-3.035
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	2.265	2.265	2.265	2.265	2.265	2.265	2.265	2.265	2.265
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.76	6.03	4.30	2.57	0.85	-0.88	-2.61	-4.34	-6.07
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	RECAPEAMENTO	N	-1.380	-1.380	-1.380	-1.380	-1.380	-1.380	-1.380	-1.380	-1.380
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.030	1.030	1.030	1.030	1.030	1.030	1.030	1.030	1.030
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.53	2.74	1.96	1.17	0.38	-0.40	-1.19	-1.97	-2.76
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.748	-0.748	-0.748	-0.748	-0.748	-0.748	-0.748	-0.748	-0.748
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.91	1.49	1.06	0.64	0.21	-0.22	-0.64	-1.07	-1.50
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	1.818	1.818	1.818	1.818	1.818	1.818	1.818	1.818	1.818
		Vy	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180
		Vz	-0.157	-0.157	-0.157	-0.157	-0.157	-0.157	-0.157	-0.157	-0.157
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	-0.52	-0.40	-0.28	-0.16	-0.04	0.08	0.20	0.32	0.44
		Mz	0.20	0.33	0.47	0.61	0.75	0.88	1.02	1.16	1.30
	Vento 180	N	-3.902	-3.902	-3.902	-3.902	-3.902	-3.902	-3.902	-3.902	-3.902
		Vy	2.805	2.118	1.431	0.743	0.056	-0.631	-1.318	-2.005	-2.692
		Vz	0.282	0.282	0.282	0.282	0.282	0.282	0.282	0.282	0.282
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	0.90	0.68	0.47	0.25	0.04	-0.18	-0.39	-0.61	-0.82
		Mz	-0.67	-2.55	-3.90	-4.73	-5.04	-4.82	-4.07	-2.81	-1.01
	Multidão - Passeio	N	-0.969	-0.969	-0.969	-0.969	-0.969	-0.969	-0.969	-0.969	-0.969
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.725	0.725	0.725	0.725	0.725	0.725	0.725	0.725	0.725
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.48	1.93	1.38	0.82	0.27	-0.28	-0.84	-1.39	-1.94
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.763 m	1.527 m	2.290 m	3.054 m	3.817 m	4.581 m	5.344 m	6.107 m
	Multidão - TB450	N	-3.174	-3.174	-3.174	-3.174	-3.174	-3.174	-3.174	-3.174	-3.174
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	2.366	2.366	2.366	2.366	2.366	2.366	2.366	2.366	2.366
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.11	6.30	4.50	2.69	0.88	-0.92	-2.73	-4.54	-6.34
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
	TB-450 - A1	N	-9.309	-9.309	-9.309	-9.309	-9.309	-9.309	-9.309	-9.309	-9.309
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.93	1.45	0.97	0.49	0.01	-0.48	-0.96	-1.44	-1.92
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-21.932	-21.932	-21.932	-21.932	-21.932	-21.932	-21.932	-21.932	-21.932
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	1.486	1.486	1.486	1.486	1.486	1.486	1.486	1.486	1.486
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.55	3.42	2.28	1.15	0.01	-1.12	-2.25	-3.39	-4.52
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	TB-450 - B1	N	-26.735	-26.735	-26.735	-26.735	-26.735	-26.735	-26.735	-26.735	-26.735
		Vy	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vz	1.803	1.803	1.803	1.803	1.803	1.803	1.803	1.803	1.803
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.54	4.16	2.79	1.41	0.03	-1.34	-2.72	-4.09	-5.47
		Mz	0.02	0.01	0.01	0.00	0.00	0.00	-0.01	-0.01	-0.02
	TB-450 - B2	N	-63.020	-63.020	-63.020	-63.020	-63.020	-63.020	-63.020	-63.020	-63.020
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	4.249	4.249	4.249	4.249	4.249	4.249	4.249	4.249	4.249
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.05	9.81	6.57	3.32	0.08	-3.16	-6.41	-9.65	-12.89
		Mz	-0.02	-0.01	-0.01	0.00	0.00	0.01	0.01	0.02	0.02
	TB-450 - C1	N	-13.220	-13.220	-13.220	-13.220	-13.220	-13.220	-13.220	-13.220	-13.220
		Vy	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vz	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.99	3.84	2.70	1.55	0.41	-0.74	-1.88	-3.03	-4.17
		Mz	0.03	0.02	0.01	0.01	0.00	-0.01	-0.01	-0.02	-0.03
	TB-450 - C2	N	-31.015	-31.015	-31.015	-31.015	-31.015	-31.015	-31.015	-31.015	-31.015
		Vy	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010
		Vz	3.532	3.532	3.532	3.532	3.532	3.532	3.532	3.532	3.532
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.75	9.05	6.35	3.66	0.96	-1.74	-4.43	-7.13	-9.83
		Mz	-0.03	-0.02	-0.01	-0.01	0.00	0.01	0.02	0.02	0.03
	TB-450 - D1	N	33.056	33.056	33.056	33.056	33.056	33.056	33.056	33.056	33.056
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	-1.326	-1.326	-1.326	-1.326	-1.326	-1.326	-1.326	-1.326	-1.326
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.82	-2.81	-1.79	-0.78	0.23	1.24	2.25	3.27	4.28
		Mz	0.01	0.01	0.01	0.00	0.00	0.00	-0.01	-0.01	-0.02
	TB-450 - D2	N	78.435	78.435	78.435	78.435	78.435	78.435	78.435	78.435	78.435
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	-3.151	-3.151	-3.151	-3.151	-3.151	-3.151	-3.151	-3.151	-3.151
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-9.08	-6.67	-4.27	-1.86	0.54	2.95	5.36	7.76	10.17
		Mz	-0.01	-0.01	0.00	0.00	0.00	0.01	0.01	0.02	0.02
	TB-450 - E1	N	13.419	13.419	13.419	13.419	13.419	13.419	13.419	13.419	13.419
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	-0.695	-0.695	-0.695	-0.695	-0.695	-0.695	-0.695	-0.695	-0.695

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.763 m	1.527 m	2.290 m	3.054 m	3.817 m	4.581 m	5.344 m	6.107 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.09	-1.56	-1.03	-0.50	0.03	0.56	1.09	1.62	2.16
		Mz	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.00	-0.01
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.741 m	1.481 m	2.222 m	2.963 m	3.703 m	4.444 m	5.184 m	5.925 m
N204/N229	Peso próprio	N	33.572	34.420	35.269	36.117	36.966	37.814	38.663	39.511	40.359
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	-2.054	-1.938	-1.822	-1.706	-1.590	-1.474	-1.359	-1.243	-1.127
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.63	-3.15	-1.76	-0.45	0.77	1.91	2.95	3.92	4.80
		Mz	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.00
	LAJE	N	177.262	177.262	177.262	177.262	177.262	177.262	177.262	177.262	177.262
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-8.342	-8.342	-8.342	-8.342	-8.342	-8.342	-8.342	-8.342	-8.342
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-23.34	-17.17	-10.99	-4.81	1.37	7.55	13.73	19.90	26.08
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	96.727	96.727	96.727	96.727	96.727	96.727	96.727	96.727	96.727
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-4.552	-4.552	-4.552	-4.552	-4.552	-4.552	-4.552	-4.552	-4.552
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-12.74	-9.37	-6.00	-2.62	0.75	4.12	7.49	10.86	14.23
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	43.967	43.967	43.967	43.967	43.967	43.967	43.967	43.967	43.967
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-2.069	-2.069	-2.069	-2.069	-2.069	-2.069	-2.069	-2.069	-2.069
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.79	-4.26	-2.73	-1.19	0.34	1.87	3.40	4.94	6.47
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	23.864	23.864	23.864	23.864	23.864	23.864	23.864	23.864	23.864
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.123	-1.123	-1.123	-1.123	-1.123	-1.123	-1.123	-1.123	-1.123
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.14	-2.31	-1.48	-0.65	0.18	1.02	1.85	2.68	3.51
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-6.233	-6.233	-6.233	-6.233	-6.233	-6.233	-6.233	-6.233	-6.233
		Vy	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Vz	0.327	0.327	0.327	0.327	0.327	0.327	0.327	0.327	0.327
		Mt	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		My	0.93	0.69	0.44	0.20	-0.04	-0.28	-0.52	-0.77	-1.01
		Mz	0.17	0.16	0.15	0.14	0.13	0.12	0.12	0.11	0.10
	Vento 180	N	8.081	8.081	8.081	8.081	8.081	8.081	8.081	8.081	8.081
		Vy	-2.596	-1.929	-1.263	-0.596	0.070	0.737	1.403	2.070	2.737
		Vz	-0.449	-0.449	-0.449	-0.449	-0.449	-0.449	-0.449	-0.449	-0.449
		Mt	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		My	-1.29	-0.96	-0.63	-0.29	0.04	0.37	0.70	1.04	1.37
		Mz	0.34	2.02	3.20	3.89	4.09	3.79	2.99	1.71	-0.07
	Multidão - Passeio	N	30.969	30.969	30.969	30.969	30.969	30.969	30.969	30.969	30.969
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.741 m	1.481 m	2.222 m	2.963 m	3.703 m	4.444 m	5.184 m	5.925 m
		Vz	-1.457	-1.457	-1.457	-1.457	-1.457	-1.457	-1.457	-1.457	-1.457
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.08	-3.00	-1.92	-0.84	0.24	1.32	2.40	3.48	4.56
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	101.054	101.054	101.054	101.054	101.054	101.054	101.054	101.054	101.054
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-4.756	-4.756	-4.756	-4.756	-4.756	-4.756	-4.756	-4.756	-4.756
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-13.31	-9.79	-6.26	-2.74	0.78	4.30	7.83	11.35	14.87
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	11.252	11.252	11.252	11.252	11.252	11.252	11.252	11.252	11.252
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-0.684	-0.684	-0.684	-0.684	-0.684	-0.684	-0.684	-0.684	-0.684
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.02	-1.52	-1.01	-0.50	0.01	0.51	1.02	1.53	2.03
		Mz	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	26.462	26.462	26.462	26.462	26.462	26.462	26.462	26.462	26.462
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-1.610	-1.610	-1.610	-1.610	-1.610	-1.610	-1.610	-1.610	-1.610
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.76	-3.57	-2.37	-1.18	0.01	1.20	2.40	3.59	4.78
		Mz	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	32.686	32.686	32.686	32.686	32.686	32.686	32.686	32.686	32.686
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	-1.987	-1.987	-1.987	-1.987	-1.987	-1.987	-1.987	-1.987	-1.987
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.86	-4.39	-2.92	-1.45	0.02	1.49	2.97	4.44	5.91
		Mz	-0.04	-0.03	-0.03	-0.03	-0.02	-0.02	-0.01	-0.01	0.00
	TB-450 - B2	N	76.950	76.950	76.950	76.950	76.950	76.950	76.950	76.950	76.950
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	-4.678	-4.678	-4.678	-4.678	-4.678	-4.678	-4.678	-4.678	-4.678
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-13.81	-10.34	-6.88	-3.41	0.05	3.52	6.98	10.45	13.91
		Mz	0.04	0.04	0.03	0.03	0.02	0.02	0.01	0.01	0.00
	TB-450 - C1	N	47.354	47.354	47.354	47.354	47.354	47.354	47.354	47.354	47.354
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	-2.462	-2.462	-2.462	-2.462	-2.462	-2.462	-2.462	-2.462	-2.462
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-7.09	-5.27	-3.45	-1.62	0.20	2.02	3.84	5.67	7.49
		Mz	-0.05	-0.04	-0.04	-0.03	-0.02	-0.02	-0.01	-0.01	0.00
	TB-450 - C2	N	111.702	111.702	111.702	111.702	111.702	111.702	111.702	111.702	111.702
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	-5.802	-5.802	-5.802	-5.802	-5.802	-5.802	-5.802	-5.802	-5.802
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-16.72	-12.42	-8.13	-3.83	0.47	4.77	9.06	13.36	17.66
		Mz	0.05	0.04	0.04	0.03	0.03	0.02	0.01	0.01	0.00
	TB-450 - D1	N	0.257	0.257	0.257	0.257	0.257	0.257	0.257	0.257	0.257
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.12	1.69	1.25	0.82	0.38	-0.05	-0.49	-0.92	-1.36
		Mz	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	0.00
	TB-450 - D2	N	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	1.410	1.410	1.410	1.410	1.410	1.410	1.410	1.410	1.410
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.09	4.04	3.00	1.95	0.91	-0.14	-1.18	-2.23	-3.27

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.741 m	1.481 m	2.222 m	2.963 m	3.703 m	4.444 m	5.184 m	5.925 m
		Mz	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.00	0.00
	TB-450 - E1	N	-10.221	-10.221	-10.221	-10.221	-10.221	-10.221	-10.221	-10.221	-10.221
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	0.713	0.713	0.713	0.713	0.713	0.713	0.713	0.713	0.713
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.13	1.60	1.07	0.54	0.02	-0.51	-1.04	-1.57	-2.10
		Mz	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.761 m	1.521 m	2.282 m	3.043 m	3.803 m	4.564 m	5.325 m	6.085 m
N207/N230	Peso próprio	N	-54.134	-53.262	-52.390	-51.518	-50.646	-49.774	-48.902	-48.030	-47.158
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.620	2.736	2.851	2.967	3.083	3.199	3.315	3.431	3.547
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.69	7.65	5.53	3.31	1.01	-1.38	-3.85	-6.42	-9.07
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-175.458	-175.458	-175.458	-175.458	-175.458	-175.458	-175.458	-175.458	-175.458
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	11.695	11.695	11.695	11.695	11.695	11.695	11.695	11.695	11.695
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	37.23	28.34	19.44	10.54	1.65	-7.25	-16.14	-25.04	-33.94
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-95.743	-95.743	-95.743	-95.743	-95.743	-95.743	-95.743	-95.743	-95.743
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	6.382	6.382	6.382	6.382	6.382	6.382	6.382	6.382	6.382
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	20.32	15.46	10.61	5.75	0.90	-3.96	-8.81	-13.66	-18.52
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-43.520	-43.520	-43.520	-43.520	-43.520	-43.520	-43.520	-43.520	-43.520
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.901	2.901	2.901	2.901	2.901	2.901	2.901	2.901	2.901
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.23	7.03	4.82	2.62	0.41	-1.80	-4.00	-6.21	-8.42
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-23.621	-23.621	-23.621	-23.621	-23.621	-23.621	-23.621	-23.621	-23.621
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.575	1.575	1.575	1.575	1.575	1.575	1.575	1.575	1.575
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.01	3.82	2.62	1.42	0.22	-0.98	-2.17	-3.37	-4.57
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	6.453	6.453	6.453	6.453	6.453	6.453	6.453	6.453	6.453
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.358	-0.358	-0.358	-0.358	-0.358	-0.358	-0.358	-0.358	-0.358
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	-1.12	-0.84	-0.57	-0.30	-0.03	0.24	0.52	0.79	1.06
		Mz	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13
	Vento 180	N	-8.334	-8.334	-8.334	-8.334	-8.334	-8.334	-8.334	-8.334	-8.334
		Vy	2.684	1.999	1.315	0.630	-0.055	-0.739	-1.424	-2.108	-2.793
		Vz	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	1.45	1.09	0.74	0.38	0.02	-0.33	-0.69	-1.04	-1.40
		Mz	-0.37	-2.15	-3.41	-4.15	-4.37	-4.07	-3.25	-1.90	-0.04

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.761 m	1.521 m	2.282 m	3.043 m	3.803 m	4.564 m	5.325 m	6.085 m
	Multidão - Passeio	N	-30.652	-30.652	-30.652	-30.652	-30.652	-30.652	-30.652	-30.652	-30.652
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.044	2.044	2.044	2.044	2.044	2.044	2.044	2.044	2.044
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.51	4.95	3.40	1.84	0.29	-1.27	-2.82	-4.38	-5.93
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-100.027	-100.027	-100.027	-100.027	-100.027	-100.027	-100.027	-100.027	-100.027
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	6.666	6.666	6.666	6.666	6.666	6.666	6.666	6.666	6.666
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	21.22	16.15	11.08	6.01	0.94	-4.13	-9.20	-14.27	-19.34
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-11.172	-11.172	-11.172	-11.172	-11.172	-11.172	-11.172	-11.172	-11.172
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.648	0.648	0.648	0.648	0.648	0.648	0.648	0.648	0.648
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.98	1.49	0.99	0.50	0.01	-0.48	-0.98	-1.47	-1.96
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-26.273	-26.273	-26.273	-26.273	-26.273	-26.273	-26.273	-26.273	-26.273
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.522	1.522	1.522	1.522	1.522	1.522	1.522	1.522	1.522
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.65	3.49	2.34	1.18	0.02	-1.14	-2.29	-3.45	-4.61
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-32.649	-32.649	-32.649	-32.649	-32.649	-32.649	-32.649	-32.649	-32.649
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.888	1.888	1.888	1.888	1.888	1.888	1.888	1.888	1.888
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.78	4.34	2.90	1.47	0.03	-1.41	-2.84	-4.28	-5.72
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-76.854	-76.854	-76.854	-76.854	-76.854	-76.854	-76.854	-76.854	-76.854
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	4.447	4.447	4.447	4.447	4.447	4.447	4.447	4.447	4.447
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.60	10.22	6.84	3.45	0.07	-3.31	-6.70	-10.08	-13.46
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-48.511	-48.511	-48.511	-48.511	-48.511	-48.511	-48.511	-48.511	-48.511
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.795	2.795	2.795	2.795	2.795	2.795	2.795	2.795	2.795
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.70	6.57	4.44	2.32	0.19	-1.94	-4.06	-6.19	-8.32
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-114.428	-114.428	-114.428	-114.428	-114.428	-114.428	-114.428	-114.428	-114.428
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	6.597	6.597	6.597	6.597	6.597	6.597	6.597	6.597	6.597
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	20.52	15.50	10.48	5.47	0.45	-4.57	-9.59	-14.61	-19.63
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	1.906	1.906	1.906	1.906	1.906	1.906	1.906	1.906	1.906
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.599	0.599	0.599	0.599	0.599	0.599	0.599	0.599	0.599
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.28	1.82	1.36	0.91	0.45	0.00	-0.46	-0.91	-1.37
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	4.850	4.850	4.850	4.850	4.850	4.850	4.850	4.850	4.850
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.403	1.403	1.403	1.403	1.403	1.403	1.403	1.403	1.403
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.34	4.28	3.21	2.14	1.07	0.01	-1.06	-2.13	-3.20
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.761 m	1.521 m	2.282 m	3.043 m	3.803 m	4.564 m	5.325 m	6.085 m
	TB-450 - E1	N	9.910	9.910	9.910	9.910	9.910	9.910	9.910	9.910	9.910
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-0.570	-0.570	-0.570	-0.570	-0.570	-0.570	-0.570	-0.570	-0.570
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.66	-1.23	-0.80	-0.36	0.07	0.51	0.94	1.37	1.81
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.742 m	1.485 m	2.227 m	2.969 m	3.712 m	4.454 m	5.196 m	5.939 m
N206/N231	Peso próprio	N	77.075	77.926	78.776	79.627	80.477	81.328	82.178	83.029	83.879
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-5.422	-5.306	-5.190	-5.074	-4.958	-4.842	-4.726	-4.610	-4.494
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-14.43	-10.45	-6.55	-2.75	0.98	4.62	8.17	11.63	15.01
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	279.195	279.195	279.195	279.195	279.195	279.195	279.195	279.195	279.195
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-16.091	-16.091	-16.091	-16.091	-16.091	-16.091	-16.091	-16.091	-16.091
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-46.50	-34.55	-22.61	-10.66	1.28	13.23	25.17	37.12	49.06
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	152.347	152.347	152.347	152.347	152.347	152.347	152.347	152.347	152.347
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-8.781	-8.781	-8.781	-8.781	-8.781	-8.781	-8.781	-8.781	-8.781
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-25.37	-18.85	-12.34	-5.82	0.70	7.22	13.74	20.25	26.77
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	69.248	69.248	69.248	69.248	69.248	69.248	69.248	69.248	69.248
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-3.991	-3.991	-3.991	-3.991	-3.991	-3.991	-3.991	-3.991	-3.991
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-11.53	-8.57	-5.61	-2.64	0.32	3.28	6.24	9.21	12.17
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	37.595	37.595	37.595	37.595	37.595	37.595	37.595	37.595	37.595
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-2.167	-2.167	-2.167	-2.167	-2.167	-2.167	-2.167	-2.167	-2.167
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-6.26	-4.65	-3.04	-1.44	0.17	1.78	3.39	5.00	6.61
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-5.951	-5.951	-5.951	-5.951	-5.951	-5.951	-5.951	-5.951	-5.951
		Vy	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
		Vz	0.416	0.416	0.416	0.416	0.416	0.416	0.416	0.416	0.416
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	1.23	0.93	0.62	0.31	0.00	-0.31	-0.62	-0.93	-1.24
		Mz	0.16	0.14	0.13	0.11	0.10	0.08	0.06	0.05	0.03
	Vento 180	N	7.774	7.774	7.774	7.774	7.774	7.774	7.774	7.774	7.774
		Vy	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056
		Vz	-0.529	-0.529	-0.529	-0.529	-0.529	-0.529	-0.529	-0.529	-0.529
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-1.57	-1.18	-0.78	-0.39	0.00	0.40	0.79	1.18	1.57

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.742 m	1.485 m	2.227 m	2.969 m	3.712 m	4.454 m	5.196 m	5.939 m
		Mz	0.36	0.32	0.28	0.24	0.20	0.15	0.11	0.07	0.03
	Multidão - Passeio	N	48.800	48.800	48.800	48.800	48.800	48.800	48.800	48.800	48.800
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-2.812	-2.812	-2.812	-2.812	-2.812	-2.812	-2.812	-2.812	-2.812
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-8.13	-6.04	-3.95	-1.86	0.22	2.31	4.40	6.49	8.57
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	159.131	159.131	159.131	159.131	159.131	159.131	159.131	159.131	159.131
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-9.172	-9.172	-9.172	-9.172	-9.172	-9.172	-9.172	-9.172	-9.172
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-26.51	-19.70	-12.89	-6.08	0.73	7.54	14.35	21.16	27.97
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	10.809	10.809	10.809	10.809	10.809	10.809	10.809	10.809	10.809
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.694	-0.694	-0.694	-0.694	-0.694	-0.694	-0.694	-0.694	-0.694
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.06	-1.54	-1.03	-0.51	0.00	0.52	1.03	1.55	2.06
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	25.361	25.361	25.361	25.361	25.361	25.361	25.361	25.361	25.361
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.629	-1.629	-1.629	-1.629	-1.629	-1.629	-1.629	-1.629	-1.629
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.83	-3.62	-2.41	-1.20	0.01	1.22	2.43	3.64	4.85
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	31.502	31.502	31.502	31.502	31.502	31.502	31.502	31.502	31.502
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-2.026	-2.026	-2.026	-2.026	-2.026	-2.026	-2.026	-2.026	-2.026
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-6.00	-4.50	-2.99	-1.49	0.01	1.52	3.02	4.53	6.03
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	74.245	74.245	74.245	74.245	74.245	74.245	74.245	74.245	74.245
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-4.772	-4.772	-4.772	-4.772	-4.772	-4.772	-4.772	-4.772	-4.772
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-14.14	-10.59	-7.05	-3.51	0.03	3.58	7.12	10.66	14.20
		Mz	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	49.954	49.954	49.954	49.954	49.954	49.954	49.954	49.954	49.954
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-3.208	-3.208	-3.208	-3.208	-3.208	-3.208	-3.208	-3.208	-3.208
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-9.47	-7.09	-4.71	-2.33	0.05	2.44	4.82	7.20	9.58
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	118.002	118.002	118.002	118.002	118.002	118.002	118.002	118.002	118.002
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-7.572	-7.572	-7.572	-7.572	-7.572	-7.572	-7.572	-7.572	-7.572
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-22.36	-16.74	-11.11	-5.49	0.13	5.75	11.37	16.99	22.61
		Mz	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	42.087	42.087	42.087	42.087	42.087	42.087	42.087	42.087	42.087
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-1.874	-1.874	-1.874	-1.874	-1.874	-1.874	-1.874	-1.874	-1.874
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.17	-3.78	-2.39	-1.00	0.39	1.78	3.18	4.57	5.96
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	99.572	99.572	99.572	99.572	99.572	99.572	99.572	99.572	99.572
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.742 m	1.485 m	2.227 m	2.969 m	3.712 m	4.454 m	5.196 m	5.939 m
		Vz	-4.424	-4.424	-4.424	-4.424	-4.424	-4.424	-4.424	-4.424	-4.424
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-12.20	-8.92	-5.64	-2.35	0.93	4.22	7.50	10.79	14.07
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-6.633	-6.633	-6.633	-6.633	-6.633	-6.633	-6.633	-6.633	-6.633
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.41	1.08	0.76	0.44	0.12	-0.20	-0.53	-0.85	-1.17
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.762 m	1.525 m	2.287 m	3.050 m	3.812 m	4.574 m	5.337 m	6.099 m
N209/N232	Peso próprio	N	-99.211	-98.337	-97.463	-96.589	-95.715	-94.841	-93.967	-93.093	-92.219
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	5.900	6.016	6.132	6.248	6.364	6.480	6.596	6.712	6.828
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	19.59	15.05	10.42	5.70	0.89	-4.00	-8.99	-14.06	-19.22
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-279.253	-279.253	-279.253	-279.253	-279.253	-279.253	-279.253	-279.253	-279.253
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	17.572	17.572	17.572	17.572	17.572	17.572	17.572	17.572	17.572
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	54.38	40.99	27.59	14.19	0.80	-12.60	-26.00	-39.40	-52.79
		Mz	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-152.379	-152.379	-152.379	-152.379	-152.379	-152.379	-152.379	-152.379	-152.379
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	9.589	9.589	9.589	9.589	9.589	9.589	9.589	9.589	9.589
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	29.68	22.37	15.05	7.74	0.43	-6.88	-14.19	-21.50	-28.81
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-69.263	-69.263	-69.263	-69.263	-69.263	-69.263	-69.263	-69.263	-69.263
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	4.358	4.358	4.358	4.358	4.358	4.358	4.358	4.358	4.358
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.49	10.17	6.84	3.52	0.20	-3.13	-6.45	-9.77	-13.09
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-37.602	-37.602	-37.602	-37.602	-37.602	-37.602	-37.602	-37.602	-37.602
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.366	2.366	2.366	2.366	2.366	2.366	2.366	2.366	2.366
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.32	5.52	3.71	1.91	0.11	-1.70	-3.50	-5.30	-7.11
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	6.290	6.290	6.290	6.290	6.290	6.290	6.290	6.290	6.290
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-0.348	-0.348	-0.348	-0.348	-0.348	-0.348	-0.348	-0.348	-0.348
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-1.05	-0.79	-0.52	-0.26	0.01	0.27	0.54	0.80	1.07
		Mz	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04
	Vento 180	N	-8.051	-8.051	-8.051	-8.051	-8.051	-8.051	-8.051	-8.051	-8.051
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	0.456	0.456	0.456	0.456	0.456	0.456	0.456	0.456	0.456

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.762 m	1.525 m	2.287 m	3.050 m	3.812 m	4.574 m	5.337 m	6.099 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.38	1.03	0.69	0.34	-0.01	-0.36	-0.70	-1.05	-1.40
		Mz	-0.02	-0.03	-0.03	-0.03	-0.04	-0.04	-0.04	-0.05	-0.05
	Multidão - Passeio	N	-48.809	-48.809	-48.809	-48.809	-48.809	-48.809	-48.809	-48.809	-48.809
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	3.071	3.071	3.071	3.071	3.071	3.071	3.071	3.071	3.071
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.51	7.16	4.82	2.48	0.14	-2.20	-4.54	-6.89	-9.23
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-159.166	-159.166	-159.166	-159.166	-159.166	-159.166	-159.166	-159.166	-159.166
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	10.016	10.016	10.016	10.016	10.016	10.016	10.016	10.016	10.016
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	31.00	23.36	15.73	8.09	0.45	-7.18	-14.82	-22.45	-30.09
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-10.795	-10.795	-10.795	-10.795	-10.795	-10.795	-10.795	-10.795	-10.795
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.89	1.42	0.94	0.46	-0.01	-0.49	-0.96	-1.44	-1.92
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-25.331	-25.331	-25.331	-25.331	-25.331	-25.331	-25.331	-25.331	-25.331
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.44	3.32	2.21	1.09	-0.03	-1.15	-2.26	-3.38	-4.50
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-31.497	-31.497	-31.497	-31.497	-31.497	-31.497	-31.497	-31.497	-31.497
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.822	1.822	1.822	1.822	1.822	1.822	1.822	1.822	1.822
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.52	4.13	2.74	1.35	-0.04	-1.42	-2.81	-4.20	-5.59
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-74.221	-74.221	-74.221	-74.221	-74.221	-74.221	-74.221	-74.221	-74.221
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	4.293	4.293	4.293	4.293	4.293	4.293	4.293	4.293	4.293
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.01	9.74	6.46	3.19	-0.08	-3.36	-6.63	-9.90	-13.17
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-51.214	-51.214	-51.214	-51.214	-51.214	-51.214	-51.214	-51.214	-51.214
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.949	2.949	2.949	2.949	2.949	2.949	2.949	2.949	2.949
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.95	6.70	4.46	2.21	-0.04	-2.29	-4.54	-6.79	-9.04
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-120.970	-120.970	-120.970	-120.970	-120.970	-120.970	-120.970	-120.970	-120.970
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	6.966	6.966	6.966	6.966	6.966	6.966	6.966	6.966	6.966
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	21.15	15.84	10.52	5.21	-0.10	-5.41	-10.72	-16.03	-21.34
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-40.421	-40.421	-40.421	-40.421	-40.421	-40.421	-40.421	-40.421	-40.421
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	2.688	2.688	2.688	2.688	2.688	2.688	2.688	2.688	2.688
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.50	6.45	4.40	2.35	0.30	-1.74	-3.79	-5.84	-7.89
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-95.604	-95.604	-95.604	-95.604	-95.604	-95.604	-95.604	-95.604	-95.604
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	6.359	6.359	6.359	6.359	6.359	6.359	6.359	6.359	6.359
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.762 m	1.525 m	2.287 m	3.050 m	3.812 m	4.574 m	5.337 m	6.099 m
		My	20.11	15.27	10.42	5.57	0.72	-4.13	-8.98	-13.82	-18.67
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	6.167	6.167	6.167	6.167	6.167	6.167	6.167	6.167	6.167
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	0.04	0.08	0.11	0.15	0.18	0.22	0.25	0.29
		Mz	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.744 m	1.488 m	2.232 m	2.976 m	3.720 m	4.464 m	5.208 m	5.953 m
N208/N233	Peso próprio	N	146.610	147.463	148.315	149.168	150.020	150.873	151.725	152.578	153.430
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-8.947	-8.831	-8.715	-8.599	-8.483	-8.367	-8.251	-8.135	-8.019
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-25.17	-18.55	-12.03	-5.58	0.77	7.04	13.22	19.32	25.33
		Mz	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	339.385	339.385	339.385	339.385	339.385	339.385	339.385	339.385	339.385
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-19.740	-19.740	-19.740	-19.740	-19.740	-19.740	-19.740	-19.740	-19.740
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-59.01	-44.32	-29.63	-14.95	-0.26	14.43	29.12	43.81	58.49
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	185.191	185.191	185.191	185.191	185.191	185.191	185.191	185.191	185.191
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-10.772	-10.772	-10.772	-10.772	-10.772	-10.772	-10.772	-10.772	-10.772
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-32.20	-24.19	-16.17	-8.16	-0.14	7.87	15.89	23.90	31.92
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	84.178	84.178	84.178	84.178	84.178	84.178	84.178	84.178	84.178
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-4.896	-4.896	-4.896	-4.896	-4.896	-4.896	-4.896	-4.896	-4.896
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-14.64	-10.99	-7.35	-3.71	-0.06	3.58	7.22	10.87	14.51
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	45.696	45.696	45.696	45.696	45.696	45.696	45.696	45.696	45.696
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-2.658	-2.658	-2.658	-2.658	-2.658	-2.658	-2.658	-2.658	-2.658
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-7.95	-5.97	-3.99	-2.01	-0.03	1.94	3.92	5.90	7.88
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-5.232	-5.232	-5.232	-5.232	-5.232	-5.232	-5.232	-5.232	-5.232
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.05	0.79	0.53	0.27	0.01	-0.25	-0.51	-0.77	-1.03
		Mz	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03
	Vento 180	N	6.983	6.983	6.983	6.983	6.983	6.983	6.983	6.983	6.983
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-0.453	-0.453	-0.453	-0.453	-0.453	-0.453	-0.453	-0.453	-0.453
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.744 m	1.488 m	2.232 m	2.976 m	3.720 m	4.464 m	5.208 m	5.953 m
		My	-1.37	-1.03	-0.69	-0.36	-0.02	0.32	0.65	0.99	1.33
		Mz	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	59.311	59.311	59.311	59.311	59.311	59.311	59.311	59.311	59.311
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-3.450	-3.450	-3.450	-3.450	-3.450	-3.450	-3.450	-3.450	-3.450
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-10.31	-7.75	-5.18	-2.61	-0.05	2.52	5.09	7.66	10.22
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	193.452	193.452	193.452	193.452	193.452	193.452	193.452	193.452	193.452
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-11.252	-11.252	-11.252	-11.252	-11.252	-11.252	-11.252	-11.252	-11.252
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-33.64	-25.26	-16.89	-8.52	-0.15	8.23	16.60	24.97	33.34
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	9.529	9.529	9.529	9.529	9.529	9.529	9.529	9.529	9.529
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.601	-0.601	-0.601	-0.601	-0.601	-0.601	-0.601	-0.601	-0.601
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.83	-1.38	-0.93	-0.49	-0.04	0.41	0.86	1.30	1.75
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	22.354	22.354	22.354	22.354	22.354	22.354	22.354	22.354	22.354
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.409	-1.409	-1.409	-1.409	-1.409	-1.409	-1.409	-1.409	-1.409
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.28	-3.24	-2.19	-1.14	-0.09	0.96	2.01	3.05	4.10
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	27.817	27.817	27.817	27.817	27.817	27.817	27.817	27.817	27.817
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.754	-1.754	-1.754	-1.754	-1.754	-1.754	-1.754	-1.754	-1.754
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.33	-4.03	-2.72	-1.42	-0.11	1.19	2.50	3.80	5.11
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	65.528	65.528	65.528	65.528	65.528	65.528	65.528	65.528	65.528
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-4.131	-4.131	-4.131	-4.131	-4.131	-4.131	-4.131	-4.131	-4.131
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-12.56	-9.48	-6.41	-3.34	-0.26	2.81	5.88	8.96	12.03
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	45.525	45.525	45.525	45.525	45.525	45.525	45.525	45.525	45.525
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-2.868	-2.868	-2.868	-2.868	-2.868	-2.868	-2.868	-2.868	-2.868
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-8.71	-6.58	-4.44	-2.31	-0.18	1.96	4.09	6.23	8.36
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	107.503	107.503	107.503	107.503	107.503	107.503	107.503	107.503	107.503
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-6.772	-6.772	-6.772	-6.772	-6.772	-6.772	-6.772	-6.772	-6.772
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-20.57	-15.53	-10.49	-5.45	-0.41	4.62	9.66	14.70	19.74
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	58.105	58.105	58.105	58.105	58.105	58.105	58.105	58.105	58.105
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-3.285	-3.285	-3.285	-3.285	-3.285	-3.285	-3.285	-3.285	-3.285
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-9.82	-7.38	-4.94	-2.49	-0.05	2.40	4.84	7.28	9.73
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	137.535	137.535	137.535	137.535	137.535	137.535	137.535	137.535	137.535

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.744 m	1.488 m	2.232 m	2.976 m	3.720 m	4.464 m	5.208 m	5.953 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-7.773	-7.773	-7.773	-7.773	-7.773	-7.773	-7.773	-7.773	-7.773
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-23.25	-17.46	-11.68	-5.90	-0.11	5.67	11.45	17.24	23.02
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	14.212	14.212	14.212	14.212	14.212	14.212	14.212	14.212	14.212
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.522	-0.522	-0.522	-0.522	-0.522	-0.522	-0.522	-0.522	-0.522
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.30	-0.91	-0.52	-0.13	0.26	0.64	1.03	1.42	1.81
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.764 m	1.528 m	2.292 m	3.056 m	3.821 m	4.585 m	5.349 m	6.113 m
N211/N234	Peso próprio	N	-151.987	-151.111	-150.235	-149.359	-148.483	-147.608	-146.732	-145.856	-144.980
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	7.597	7.713	7.829	7.945	8.061	8.177	8.293	8.409	8.525
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	23.66	17.81	11.87	5.85	-0.27	-6.47	-12.77	-19.15	-25.62
		Mz	-0.02	-0.02	-0.03	-0.03	-0.04	-0.04	-0.04	-0.05	-0.05
	LAJE	N	-328.553	-328.553	-328.553	-328.553	-328.553	-328.553	-328.553	-328.553	-328.553
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	16.112	16.112	16.112	16.112	16.112	16.112	16.112	16.112	16.112
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	47.73	35.42	23.11	10.79	-1.52	-13.83	-26.14	-38.45	-50.77
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-179.280	-179.280	-179.280	-179.280	-179.280	-179.280	-179.280	-179.280	-179.280
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	8.792	8.792	8.792	8.792	8.792	8.792	8.792	8.792	8.792
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	26.04	19.33	12.61	5.89	-0.83	-7.55	-14.26	-20.98	-27.70
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-81.491	-81.491	-81.491	-81.491	-81.491	-81.491	-81.491	-81.491	-81.491
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	3.996	3.996	3.996	3.996	3.996	3.996	3.996	3.996	3.996
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.84	8.78	5.73	2.68	-0.38	-3.43	-6.48	-9.54	-12.59
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-44.240	-44.240	-44.240	-44.240	-44.240	-44.240	-44.240	-44.240	-44.240
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.169	2.169	2.169	2.169	2.169	2.169	2.169	2.169	2.169
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.43	4.77	3.11	1.45	-0.20	-1.86	-3.52	-5.18	-6.84
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	5.519	5.519	5.519	5.519	5.519	5.519	5.519	5.519	5.519
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	-0.278	-0.278	-0.278	-0.278	-0.278	-0.278	-0.278	-0.278	-0.278
		Mt	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		My	-0.84	-0.63	-0.42	-0.20	0.01	0.22	0.44	0.65	0.86
		Mz	0.61	0.62	0.63	0.63	0.64	0.64	0.65	0.66	0.66
	Vento 180	N	-7.209	-7.209	-7.209	-7.209	-7.209	-7.209	-7.209	-7.209	-7.209
		Vy	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.764 m	1.528 m	2.292 m	3.056 m	3.821 m	4.585 m	5.349 m	6.113 m
		Vz	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350
		Mt	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		My	1.05	0.78	0.51	0.24	-0.02	-0.29	-0.56	-0.83	-1.09
		Mz	-0.48	-0.49	-0.51	-0.52	-0.54	-0.55	-0.57	-0.58	-0.60
	Multidão - Passeio	N	-57.423	-57.423	-57.423	-57.423	-57.423	-57.423	-57.423	-57.423	-57.423
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.816	2.816	2.816	2.816	2.816	2.816	2.816	2.816	2.816
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.34	6.19	4.04	1.89	-0.27	-2.42	-4.57	-6.72	-8.87
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-187.270	-187.270	-187.270	-187.270	-187.270	-187.270	-187.270	-187.270	-187.270
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	9.184	9.184	9.184	9.184	9.184	9.184	9.184	9.184	9.184
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	27.21	20.19	13.17	6.15	-0.87	-7.88	-14.90	-21.92	-28.94
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-9.539	-9.539	-9.539	-9.539	-9.539	-9.539	-9.539	-9.539	-9.539
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.27	0.94	0.61	0.28	-0.05	-0.39	-0.72	-1.05	-1.38
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-22.366	-22.366	-22.366	-22.366	-22.366	-22.366	-22.366	-22.366	-22.366
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.019	1.019	1.019	1.019	1.019	1.019	1.019	1.019	1.019
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.99	2.21	1.43	0.65	-0.13	-0.91	-1.68	-2.46	-3.24
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-27.823	-27.823	-27.823	-27.823	-27.823	-27.823	-27.823	-27.823	-27.823
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.269	1.269	1.269	1.269	1.269	1.269	1.269	1.269	1.269
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.72	2.75	1.78	0.81	-0.16	-1.13	-2.10	-3.07	-4.04
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-65.550	-65.550	-65.550	-65.550	-65.550	-65.550	-65.550	-65.550	-65.550
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.989	2.989	2.989	2.989	2.989	2.989	2.989	2.989	2.989
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.77	6.48	4.20	1.91	-0.37	-2.65	-4.94	-7.22	-9.51
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-45.708	-45.708	-45.708	-45.708	-45.708	-45.708	-45.708	-45.708	-45.708
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.085	2.085	2.085	2.085	2.085	2.085	2.085	2.085	2.085
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.12	4.52	2.93	1.34	-0.26	-1.85	-3.44	-5.04	-6.63
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-107.957	-107.957	-107.957	-107.957	-107.957	-107.957	-107.957	-107.957	-107.957
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	4.923	4.923	4.923	4.923	4.923	4.923	4.923	4.923	4.923
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.44	10.68	6.92	3.16	-0.61	-4.37	-8.13	-11.89	-15.65
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-58.512	-58.512	-58.512	-58.512	-58.512	-58.512	-58.512	-58.512	-58.512
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.682	2.682	2.682	2.682	2.682	2.682	2.682	2.682	2.682
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.95	5.90	3.85	1.80	-0.25	-2.29	-4.34	-6.39	-8.44
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-138.522	-138.522	-138.522	-138.522	-138.522	-138.522	-138.522	-138.522	-138.522
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	6.346	6.346	6.346	6.346	6.346	6.346	6.346	6.346	6.346

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.764 m	1.528 m	2.292 m	3.056 m	3.821 m	4.585 m	5.349 m	6.113 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	18.81	13.97	9.12	4.27	-0.58	-5.43	-10.28	-15.13	-19.98
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-8.646	-8.646	-8.646	-8.646	-8.646	-8.646	-8.646	-8.646	-8.646
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.897	0.897	0.897	0.897	0.897	0.897	0.897	0.897	0.897
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.76	2.08	1.39	0.70	0.02	-0.67	-1.35	-2.04	-2.72
		Mz	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.746 m	1.492 m	2.237 m	2.983 m	3.729 m	4.475 m	5.221 m	5.966 m
N210/N235	Peso próprio	N	307.105	309.141	311.177	313.212	315.248	317.284	319.320	321.355	323.391
		Vy	-0.223	-0.223	-0.223	-0.223	-0.223	-0.223	-0.223	-0.223	-0.223
		Vz	-32.530	-32.253	-31.977	-31.701	-31.424	-31.148	-30.872	-30.596	-30.319
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-94.13	-69.97	-46.02	-22.27	1.27	24.60	47.73	70.65	93.36
		Mz	0.04	0.21	0.37	0.54	0.71	0.87	1.04	1.21	1.37
	LAJE	N	489.451	489.451	489.451	489.451	489.451	489.451	489.451	489.451	489.451
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	-56.495	-56.495	-56.495	-56.495	-56.495	-56.495	-56.495	-56.495	-56.495
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-167.75	-125.62	-83.48	-41.35	0.78	42.91	85.05	127.18	169.31
		Mz	0.00	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02	-0.03	-0.03
	PAVIMENTAÇÃO	N	267.081	267.081	267.081	267.081	267.081	267.081	267.081	267.081	267.081
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-30.828	-30.828	-30.828	-30.828	-30.828	-30.828	-30.828	-30.828	-30.828
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-91.54	-68.55	-45.56	-22.56	0.43	23.42	46.41	69.40	92.39
		Mz	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02
	RECAPEAMENTO	N	121.400	121.400	121.400	121.400	121.400	121.400	121.400	121.400	121.400
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-14.013	-14.013	-14.013	-14.013	-14.013	-14.013	-14.013	-14.013	-14.013
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-41.61	-31.16	-20.71	-10.26	0.19	10.64	21.09	31.54	42.00
		Mz	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01
	GUARDA-RODAS	N	65.890	65.890	65.890	65.890	65.890	65.890	65.890	65.890	65.890
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-7.606	-7.606	-7.606	-7.606	-7.606	-7.606	-7.606	-7.606	-7.606
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-22.59	-16.91	-11.24	-5.57	0.11	5.78	11.45	17.12	22.80
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-6.896	-6.896	-6.896	-6.896	-6.896	-6.896	-6.896	-6.896	-6.896
		Vy	3.159	3.159	3.159	3.159	3.159	3.159	3.159	3.159	3.159
		Vz	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140
		Mt	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
		My	3.42	2.57	1.72	0.87	0.02	-0.83	-1.68	-2.53	-3.38
		Mz	-0.38	-2.73	-5.09	-7.44	-9.80	-12.16	-14.51	-16.87	-19.22
	Vento 180	N	8.644	8.644	8.644	8.644	8.644	8.644	8.644	8.644	8.644
		Vy	-2.830	-2.830	-2.830	-2.830	-2.830	-2.830	-2.830	-2.830	-2.830
		Vz	-1.332	-1.332	-1.332	-1.332	-1.332	-1.332	-1.332	-1.332	-1.332

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.746 m	1.492 m	2.237 m	2.983 m	3.729 m	4.475 m	5.221 m	5.966 m
		Mt	-0.23	-0.23	-0.23	-0.23	-0.23	-0.23	-0.23	-0.23	-0.23
		My	-3.98	-2.99	-1.99	-1.00	-0.01	0.98	1.98	2.97	3.96
		Mz	0.40	2.51	4.62	6.73	8.84	10.95	13.06	15.17	17.29
	Multidão - Passeio	N	85.503	85.503	85.503	85.503	85.503	85.503	85.503	85.503	85.503
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-9.871	-9.871	-9.871	-9.871	-9.871	-9.871	-9.871	-9.871	-9.871
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-29.31	-21.95	-14.59	-7.23	0.14	7.50	14.86	22.22	29.58
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	279.037	279.037	279.037	279.037	279.037	279.037	279.037	279.037	279.037
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-32.205	-32.205	-32.205	-32.205	-32.205	-32.205	-32.205	-32.205	-32.205
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-95.63	-71.61	-47.59	-23.57	0.45	24.46	48.48	72.50	96.52
		Mz	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02
	TB-450 - A1	N	10.720	10.720	10.720	10.720	10.720	10.720	10.720	10.720	10.720
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	-1.415	-1.415	-1.415	-1.415	-1.415	-1.415	-1.415	-1.415	-1.415
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.20	-3.14	-2.09	-1.03	0.02	1.08	2.13	3.19	4.25
		Mz	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04
	TB-450 - A2	N	25.209	25.209	25.209	25.209	25.209	25.209	25.209	25.209	25.209
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	-3.321	-3.321	-3.321	-3.321	-3.321	-3.321	-3.321	-3.321	-3.321
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-9.85	-7.37	-4.90	-2.42	0.06	2.53	5.01	7.49	9.96
		Mz	0.00	-0.01	-0.01	-0.02	-0.02	-0.03	-0.03	-0.04	-0.04
	TB-450 - B1	N	31.489	31.489	31.489	31.489	31.489	31.489	31.489	31.489	31.489
		Vy	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010
		Vz	-4.141	-4.141	-4.141	-4.141	-4.141	-4.141	-4.141	-4.141	-4.141
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-12.28	-9.19	-6.11	-3.02	0.07	3.16	6.25	9.33	12.42
		Mz	0.00	0.01	0.01	0.02	0.03	0.04	0.04	0.05	0.06
	TB-450 - B2	N	74.072	74.072	74.072	74.072	74.072	74.072	74.072	74.072	74.072
		Vy	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Vz	-9.744	-9.744	-9.744	-9.744	-9.744	-9.744	-9.744	-9.744	-9.744
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-28.90	-21.63	-14.37	-7.10	0.17	7.43	14.70	21.97	29.23
		Mz	0.00	-0.01	-0.02	-0.03	-0.03	-0.04	-0.05	-0.06	-0.07
	TB-450 - C1	N	51.851	51.851	51.851	51.851	51.851	51.851	51.851	51.851	51.851
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	-6.810	-6.810	-6.810	-6.810	-6.810	-6.810	-6.810	-6.810	-6.810
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-20.20	-15.12	-10.04	-4.96	0.12	5.20	10.28	15.35	20.43
		Mz	0.00	0.01	0.02	0.03	0.04	0.04	0.05	0.06	0.07
	TB-450 - C2	N	122.276	122.276	122.276	122.276	122.276	122.276	122.276	122.276	122.276
		Vy	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Vz	-16.070	-16.070	-16.070	-16.070	-16.070	-16.070	-16.070	-16.070	-16.070
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-47.66	-35.68	-23.69	-11.71	0.28	12.26	24.25	36.23	48.22
		Mz	0.00	-0.01	-0.02	-0.03	-0.04	-0.05	-0.06	-0.07	-0.08
	TB-450 - D1	N	70.401	70.401	70.401	70.401	70.401	70.401	70.401	70.401	70.401
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	-9.100	-9.100	-9.100	-9.100	-9.100	-9.100	-9.100	-9.100	-9.100
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-27.02	-20.23	-13.44	-6.66	0.13	6.92	13.70	20.49	27.28
		Mz	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.04

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.746 m	1.492 m	2.237 m	2.983 m	3.729 m	4.475 m	5.221 m	5.966 m
	TB-450 - D2	N	166.441	166.441	166.441	166.441	166.441	166.441	166.441	166.441	166.441
		Vy	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vz	-21.527	-21.527	-21.527	-21.527	-21.527	-21.527	-21.527	-21.527	-21.527
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-63.91	-47.86	-31.80	-15.75	0.31	16.36	32.42	48.47	64.52
		Mz	-0.01	-0.01	-0.02	-0.02	-0.03	-0.04	-0.04	-0.05	-0.06
	TB-450 - E1	N	59.384	59.384	59.384	59.384	59.384	59.384	59.384	59.384	59.384
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-4.372	-4.372	-4.372	-4.372	-4.372	-4.372	-4.372	-4.372	-4.372
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-13.03	-9.77	-6.51	-3.25	0.02	3.28	6.54	9.80	13.06
		Mz	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.782 m	1.565 m	2.347 m	3.129 m	3.912 m	4.694 m	5.476 m	6.259 m
N196/N218	Peso próprio	N	-387.533	-385.425	-383.317	-381.209	-379.101	-376.993	-374.885	-372.777	-370.669
		Vy	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681
		Vz	3.253	3.700	4.148	4.595	5.043	5.491	5.938	6.386	6.834
		Mt	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
		My	-10.79	-13.51	-16.58	-20.00	-23.77	-27.89	-32.36	-37.18	-42.35
		Mz	-0.09	-0.62	-1.15	-1.69	-2.22	-2.75	-3.28	-3.82	-4.35
	LAJE	N	-540.082	-540.082	-540.082	-540.082	-540.082	-540.082	-540.082	-540.082	-540.082
		Vy	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017
		Vz	6.949	6.949	6.949	6.949	6.949	6.949	6.949	6.949	6.949
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-24.95	-30.39	-35.83	-41.26	-46.70	-52.14	-57.57	-63.01	-68.45
		Mz	-0.01	0.01	0.02	0.03	0.05	0.06	0.08	0.09	0.10
	PAVIMENTAÇÃO	N	-294.709	-294.709	-294.709	-294.709	-294.709	-294.709	-294.709	-294.709	-294.709
		Vy	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010
		Vz	3.792	3.792	3.792	3.792	3.792	3.792	3.792	3.792	3.792
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-13.62	-16.58	-19.55	-22.52	-25.48	-28.45	-31.42	-34.38	-37.35
		Mz	0.00	0.00	0.01	0.02	0.03	0.03	0.04	0.05	0.06
	RECAPEAMENTO	N	-133.959	-133.959	-133.959	-133.959	-133.959	-133.959	-133.959	-133.959	-133.959
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	1.724	1.724	1.724	1.724	1.724	1.724	1.724	1.724	1.724
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-6.19	-7.54	-8.89	-10.23	-11.58	-12.93	-14.28	-15.63	-16.98
		Mz	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.03
	GUARDA-RODAS	N	-72.706	-72.706	-72.706	-72.706	-72.706	-72.706	-72.706	-72.706	-72.706
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	0.936	0.936	0.936	0.936	0.936	0.936	0.936	0.936	0.936
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.36	-4.09	-4.82	-5.56	-6.29	-7.02	-7.75	-8.48	-9.22
		Mz	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
	Vento 0	N	27.383	27.383	27.383	27.383	27.383	27.383	27.383	27.383	27.383
		Vy	-17.480	-17.480	-17.480	-17.480	-17.480	-17.480	-17.480	-17.480	-17.480
		Vz	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142
		Mt	4.77	4.77	4.77	4.77	4.77	4.77	4.77	4.77	4.77
		My	1.65	1.54	1.43	1.32	1.21	1.10	0.99	0.87	0.76
		Mz	-9.67	4.00	17.68	31.35	45.03	58.70	72.38	86.05	99.73
	Vento 180	N	-25.614	-25.614	-25.614	-25.614	-25.614	-25.614	-25.614	-25.614	-25.614

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.782 m	1.565 m	2.347 m	3.129 m	3.912 m	4.694 m	5.476 m	6.259 m
		Vy	16.584	15.880	15.176	14.472	13.768	13.064	12.360	11.655	10.951
		Vz	-0.077	-0.077	-0.077	-0.077	-0.077	-0.077	-0.077	-0.077	-0.077
		Mt	-3.44	-3.44	-3.44	-3.44	-3.44	-3.44	-3.44	-3.44	-3.44
		My	-1.57	-1.51	-1.45	-1.39	-1.33	-1.27	-1.21	-1.15	-1.09
		Mz	7.41	-5.29	-17.44	-29.03	-40.08	-50.57	-60.52	-69.91	-78.76
	Multidão - Passeio	N	-94.346	-94.346	-94.346	-94.346	-94.346	-94.346	-94.346	-94.346	-94.346
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	1.214	1.214	1.214	1.214	1.214	1.214	1.214	1.214	1.214
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.36	-5.31	-6.26	-7.21	-8.16	-9.11	-10.06	-11.01	-11.96
		Mz	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02
	Multidão - TB450	N	-307.905	-307.905	-307.905	-307.905	-307.905	-307.905	-307.905	-307.905	-307.905
		Vy	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010
		Vz	3.962	3.962	3.962	3.962	3.962	3.962	3.962	3.962	3.962
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-14.22	-17.32	-20.42	-23.52	-26.62	-29.72	-32.82	-35.92	-39.02
		Mz	0.00	0.00	0.01	0.02	0.03	0.03	0.04	0.05	0.06
	TB-450 - A1	N	-11.608	-11.608	-11.608	-11.608	-11.608	-11.608	-11.608	-11.608	-11.608
		Vy	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
		Vz	0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.138
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.79	-0.89	-1.00	-1.11	-1.22	-1.32	-1.43	-1.54	-1.65
		Mz	0.00	-0.02	-0.04	-0.06	-0.08	-0.10	-0.12	-0.14	-0.16
	TB-450 - A2	N	-27.184	-27.184	-27.184	-27.184	-27.184	-27.184	-27.184	-27.184	-27.184
		Vy	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027
		Vz	0.326	0.326	0.326	0.326	0.326	0.326	0.326	0.326	0.326
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.84	-2.09	-2.34	-2.60	-2.85	-3.11	-3.36	-3.62	-3.87
		Mz	0.00	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.17
	TB-450 - B1	N	-34.086	-34.086	-34.086	-34.086	-34.086	-34.086	-34.086	-34.086	-34.086
		Vy	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073
		Vz	0.405	0.405	0.405	0.405	0.405	0.405	0.405	0.405	0.405
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	-2.29	-2.61	-2.93	-3.24	-3.56	-3.88	-4.19	-4.51	-4.83
		Mz	0.06	0.00	-0.06	-0.11	-0.17	-0.23	-0.29	-0.34	-0.40
	TB-450 - B2	N	-79.913	-79.913	-79.913	-79.913	-79.913	-79.913	-79.913	-79.913	-79.913
		Vy	-0.078	-0.078	-0.078	-0.078	-0.078	-0.078	-0.078	-0.078	-0.078
		Vz	0.956	0.956	0.956	0.956	0.956	0.956	0.956	0.956	0.956
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	-5.38	-6.13	-6.88	-7.63	-8.37	-9.12	-9.87	-10.62	-11.37
		Mz	-0.06	0.00	0.06	0.13	0.19	0.25	0.31	0.37	0.43
	TB-450 - C1	N	-56.116	-56.116	-56.116	-56.116	-56.116	-56.116	-56.116	-56.116	-56.116
		Vy	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066
		Vz	0.665	0.665	0.665	0.665	0.665	0.665	0.665	0.665	0.665
		Mt	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		My	-3.77	-4.29	-4.82	-5.34	-5.86	-6.38	-6.90	-7.42	-7.94
		Mz	0.06	0.01	-0.04	-0.09	-0.15	-0.20	-0.25	-0.30	-0.35
	TB-450 - C2	N	-132.081	-132.081	-132.081	-132.081	-132.081	-132.081	-132.081	-132.081	-132.081
		Vy	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074
		Vz	1.573	1.573	1.573	1.573	1.573	1.573	1.573	1.573	1.573
		Mt	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		My	-8.89	-10.12	-11.36	-12.59	-13.82	-15.05	-16.28	-17.51	-18.74
		Mz	-0.06	0.00	0.05	0.11	0.17	0.23	0.29	0.34	0.40
	TB-450 - D1	N	-78.173	-78.173	-78.173	-78.173	-78.173	-78.173	-78.173	-78.173	-78.173
		Vy	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032
		Vz	0.840	0.840	0.840	0.840	0.840	0.840	0.840	0.840	0.840
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-5.22	-5.88	-6.54	-7.20	-7.85	-8.51	-9.17	-9.83	-10.48
		Mz	0.03	0.01	-0.02	-0.04	-0.07	-0.09	-0.12	-0.14	-0.17
	TB-450 - D2	N	-184.688	-184.688	-184.688	-184.688	-184.688	-184.688	-184.688	-184.688	-184.688
		Vy	-0.043	-0.043	-0.043	-0.043	-0.043	-0.043	-0.043	-0.043	-0.043

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.782 m	1.565 m	2.347 m	3.129 m	3.912 m	4.694 m	5.476 m	6.259 m
		Vz	1.991	1.991	1.991	1.991	1.991	1.991	1.991	1.991	1.991
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-12.35	-13.91	-15.46	-17.02	-18.58	-20.13	-21.69	-23.25	-24.81
		Mz	-0.04	0.00	0.03	0.06	0.10	0.13	0.16	0.20	0.23
	TB-450 - E1	N	-67.236	-67.236	-67.236	-67.236	-67.236	-67.236	-67.236	-67.236	-67.236
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	1.125	1.125	1.125	1.125	1.125	1.125	1.125	1.125	1.125
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	0.64	-0.24	-1.12	-2.00	-2.88	-3.76	-4.64	-5.52	-6.40
		Mz	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.05	0.05
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.791 m	1.582 m	2.372 m	3.163 m	3.954 m	4.745 m	5.535 m	6.326 m
N2/N8	Peso próprio	N	-256.240	-254.108	-251.977	-249.845	-247.713	-245.581	-243.450	-241.318	-239.186
		Vy	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650
		Vz	11.749	12.197	12.645	13.092	13.540	13.988	14.435	14.883	15.330
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	46.58	37.11	27.29	17.11	6.58	-4.30	-15.54	-27.13	-39.07
		Mz	-0.16	-0.68	-1.19	-1.70	-2.22	-2.73	-3.25	-3.76	-4.27
	LAJE	N	-558.730	-558.730	-558.730	-558.730	-558.730	-558.730	-558.730	-558.730	-558.730
		Vy	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017
		Vz	30.488	30.488	30.488	30.488	30.488	30.488	30.488	30.488	30.488
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	106.49	82.38	58.27	34.17	10.06	-14.05	-38.16	-62.27	-86.38
		Mz	0.00	0.02	0.03	0.05	0.06	0.07	0.09	0.10	0.12
	PAVIMENTAÇÃO	N	-304.886	-304.886	-304.886	-304.886	-304.886	-304.886	-304.886	-304.886	-304.886
		Vy	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010
		Vz	16.636	16.636	16.636	16.636	16.636	16.636	16.636	16.636	16.636
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	58.11	44.95	31.80	18.64	5.49	-7.67	-20.82	-33.98	-47.13
		Mz	0.00	0.01	0.02	0.03	0.03	0.04	0.05	0.06	0.06
	RECAPEAMENTO	N	-138.584	-138.584	-138.584	-138.584	-138.584	-138.584	-138.584	-138.584	-138.584
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	7.562	7.562	7.562	7.562	7.562	7.562	7.562	7.562	7.562
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	26.41	20.43	14.45	8.47	2.49	-3.48	-9.46	-15.44	-21.42
		Mz	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.03
	GUARDA-RODAS	N	-75.214	-75.214	-75.214	-75.214	-75.214	-75.214	-75.214	-75.214	-75.214
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	4.104	4.104	4.104	4.104	4.104	4.104	4.104	4.104	4.104
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.34	11.09	7.84	4.60	1.35	-1.89	-5.14	-8.38	-11.63
		Mz	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02
	Vento 0	N	-24.774	-24.774	-24.774	-24.774	-24.774	-24.774	-24.774	-24.774	-24.774
		Vy	17.153	16.441	15.730	15.018	14.306	13.595	12.883	12.171	11.460
		Vz	0.465	0.465	0.465	0.465	0.465	0.465	0.465	0.465	0.465
		Mt	-6.30	-6.30	-6.30	-6.30	-6.30	-6.30	-6.30	-6.30	-6.30
		My	2.41	2.05	1.68	1.31	0.94	0.58	0.21	-0.16	-0.53
		Mz	6.22	-7.07	-19.79	-31.94	-43.54	-54.57	-65.04	-74.94	-84.29
	Vento 180	N	18.599	18.599	18.599	18.599	18.599	18.599	18.599	18.599	18.599
		Vy	-12.151	-12.151	-12.151	-12.151	-12.151	-12.151	-12.151	-12.151	-12.151

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.791 m	1.582 m	2.372 m	3.163 m	3.954 m	4.745 m	5.535 m	6.326 m
		Vz	0.201	0.201	0.201	0.201	0.201	0.201	0.201	0.201	0.201
		Mt	5.55	5.55	5.55	5.55	5.55	5.55	5.55	5.55	5.55
		My	0.52	0.37	0.21	0.05	-0.11	-0.27	-0.43	-0.59	-0.74
		Mz	-6.18	3.43	13.04	22.65	32.26	41.87	51.48	61.08	70.69
	Multidão - Passeio	N	-97.599	-97.599	-97.599	-97.599	-97.599	-97.599	-97.599	-97.599	-97.599
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	5.326	5.326	5.326	5.326	5.326	5.326	5.326	5.326	5.326
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	18.60	14.39	10.18	5.97	1.76	-2.46	-6.67	-10.88	-15.09
		Mz	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02
	Multidão - TB450	N	-318.544	-318.544	-318.544	-318.544	-318.544	-318.544	-318.544	-318.544	-318.544
		Vy	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010
		Vz	17.381	17.381	17.381	17.381	17.381	17.381	17.381	17.381	17.381
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	60.71	46.97	33.23	19.48	5.74	-8.01	-21.75	-35.50	-49.24
		Mz	0.00	0.01	0.02	0.03	0.04	0.04	0.05	0.06	0.07
	TB-450 - A1	N	-163.786	-163.786	-163.786	-163.786	-163.786	-163.786	-163.786	-163.786	-163.786
		Vy	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032
		Vz	9.594	9.594	9.594	9.594	9.594	9.594	9.594	9.594	9.594
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	40.37	32.79	25.20	17.61	10.03	2.44	-5.15	-12.73	-20.32
		Mz	0.00	-0.03	-0.05	-0.08	-0.10	-0.13	-0.16	-0.18	-0.21
	TB-450 - A2	N	-69.087	-69.087	-69.087	-69.087	-69.087	-69.087	-69.087	-69.087	-69.087
		Vy	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035
		Vz	4.039	4.039	4.039	4.039	4.039	4.039	4.039	4.039	4.039
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	16.99	13.79	10.60	7.41	4.21	1.02	-2.17	-5.37	-8.56
		Mz	0.00	0.03	0.06	0.09	0.11	0.14	0.17	0.20	0.22
	TB-450 - B1	N	-192.472	-192.472	-192.472	-192.472	-192.472	-192.472	-192.472	-192.472	-192.472
		Vy	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076
		Vz	10.171	10.171	10.171	10.171	10.171	10.171	10.171	10.171	10.171
		Mt	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		My	33.08	25.03	16.99	8.95	0.90	-7.14	-15.18	-23.23	-31.27
		Mz	0.05	-0.01	-0.07	-0.13	-0.19	-0.25	-0.31	-0.37	-0.43
	TB-450 - B2	N	-81.096	-81.096	-81.096	-81.096	-81.096	-81.096	-81.096	-81.096	-81.096
		Vy	-0.081	-0.081	-0.081	-0.081	-0.081	-0.081	-0.081	-0.081	-0.081
		Vz	4.192	4.192	4.192	4.192	4.192	4.192	4.192	4.192	4.192
		Mt	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		My	13.50	10.18	6.87	3.55	0.24	-3.08	-6.39	-9.71	-13.02
		Mz	-0.04	0.02	0.08	0.15	0.21	0.28	0.34	0.40	0.47
	TB-450 - C1	N	-137.223	-137.223	-137.223	-137.223	-137.223	-137.223	-137.223	-137.223	-137.223
		Vy	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083
		Vz	7.415	7.415	7.415	7.415	7.415	7.415	7.415	7.415	7.415
		Mt	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		My	23.61	17.74	11.88	6.02	0.15	-5.71	-11.57	-17.44	-23.30
		Mz	0.05	-0.02	-0.08	-0.15	-0.21	-0.28	-0.34	-0.41	-0.47
	TB-450 - C2	N	-57.755	-57.755	-57.755	-57.755	-57.755	-57.755	-57.755	-57.755	-57.755
		Vy	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090
		Vz	3.021	3.021	3.021	3.021	3.021	3.021	3.021	3.021	3.021
		Mt	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		My	9.47	7.08	4.69	2.30	-0.09	-2.47	-4.86	-7.25	-9.64
		Mz	-0.04	0.03	0.10	0.17	0.24	0.31	0.38	0.45	0.53
	TB-450 - D1	N	-82.665	-82.665	-82.665	-82.665	-82.665	-82.665	-82.665	-82.665	-82.665
		Vy	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041
		Vz	4.464	4.464	4.464	4.464	4.464	4.464	4.464	4.464	4.464
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	14.19	10.66	7.13	3.60	0.07	-3.46	-6.99	-10.52	-14.05

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.791 m	1.582 m	2.372 m	3.163 m	3.954 m	4.745 m	5.535 m	6.326 m
		Mz	0.03	-0.01	-0.04	-0.07	-0.10	-0.13	-0.17	-0.20	-0.23
	TB-450 - D2	N	-34.798	-34.798	-34.798	-34.798	-34.798	-34.798	-34.798	-34.798	-34.798
		Vy	-0.051	-0.051	-0.051	-0.051	-0.051	-0.051	-0.051	-0.051	-0.051
		Vz	1.824	1.824	1.824	1.824	1.824	1.824	1.824	1.824	1.824
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	5.72	4.28	2.83	1.39	-0.05	-1.49	-2.94	-4.38	-5.82
		Mz	-0.02	0.02	0.06	0.10	0.14	0.18	0.22	0.26	0.30
	TB-450 - E1	N	-28.068	-28.068	-28.068	-28.068	-28.068	-28.068	-28.068	-28.068	-28.068
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	1.526	1.526	1.526	1.526	1.526	1.526	1.526	1.526	1.526
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	4.86	3.65	2.44	1.24	0.03	-1.18	-2.38	-3.59	-4.80
		Mz	0.02	0.01	0.01	0.00	-0.01	-0.01	-0.02	-0.02	-0.03
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.743 m	1.486 m	2.229 m	2.972 m	3.715 m	4.458 m	5.201 m	5.944 m
N155/N154	Peso próprio	N	164.149	166.177	168.204	170.232	172.260	174.288	176.315	178.343	180.371
		Vy	-0.227	-0.227	-0.227	-0.227	-0.227	-0.227	-0.227	-0.227	-0.227
		Vz	-19.263	-18.985	-18.708	-18.431	-18.154	-17.877	-17.599	-17.322	-17.045
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-59.73	-45.52	-31.52	-17.72	-4.13	9.25	22.43	35.40	48.17
		Mz	0.05	0.22	0.39	0.56	0.73	0.89	1.06	1.23	1.40
	LAJE	N	443.783	443.783	443.783	443.783	443.783	443.783	443.783	443.783	443.783
		Vy	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
		Vz	-44.393	-44.393	-44.393	-44.393	-44.393	-44.393	-44.393	-44.393	-44.393
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-143.37	-110.39	-77.40	-44.42	-11.44	21.54	54.52	87.51	120.49
		Mz	-0.15	-0.14	-0.12	-0.11	-0.10	-0.08	-0.07	-0.05	-0.04
	PAVIMENTAÇÃO	N	242.161	242.161	242.161	242.161	242.161	242.161	242.161	242.161	242.161
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	-24.224	-24.224	-24.224	-24.224	-24.224	-24.224	-24.224	-24.224	-24.224
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-78.23	-60.23	-42.24	-24.24	-6.24	11.75	29.75	47.75	65.75
		Mz	-0.09	-0.08	-0.07	-0.06	-0.05	-0.05	-0.04	-0.03	-0.02
	RECAPEAMENTO	N	110.073	110.073	110.073	110.073	110.073	110.073	110.073	110.073	110.073
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	-11.011	-11.011	-11.011	-11.011	-11.011	-11.011	-11.011	-11.011	-11.011
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-35.56	-27.38	-19.20	-11.02	-2.84	5.34	13.52	21.70	29.88
		Mz	-0.04	-0.04	-0.03	-0.03	-0.02	-0.02	-0.02	-0.01	-0.01
	GUARDA-RODAS	N	59.741	59.741	59.741	59.741	59.741	59.741	59.741	59.741	59.741
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-5.977	-5.977	-5.977	-5.977	-5.977	-5.977	-5.977	-5.977	-5.977
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-19.30	-14.86	-10.42	-5.98	-1.54	2.90	7.34	11.78	16.22
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	Vento 0	N	3.195	3.195	3.195	3.195	3.195	3.195	3.195	3.195	3.195
		Vy	-6.760	-6.091	-5.422	-4.754	-4.085	-3.416	-2.748	-2.079	-1.410
		Vz	-0.446	-0.446	-0.446	-0.446	-0.446	-0.446	-0.446	-0.446	-0.446
		Mt	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.743 m	1.486 m	2.229 m	2.972 m	3.715 m	4.458 m	5.201 m	5.944 m
		My	-1.87	-1.54	-1.20	-0.87	-0.54	-0.21	0.12	0.45	0.78
		Mz	2.18	6.95	11.23	15.01	18.29	21.08	23.37	25.16	26.46
	Vento 180	N	-1.543	-1.543	-1.543	-1.543	-1.543	-1.543	-1.543	-1.543	-1.543
		Vy	3.346	3.346	3.346	3.346	3.346	3.346	3.346	3.346	3.346
		Vz	0.251	0.251	0.251	0.251	0.251	0.251	0.251	0.251	0.251
		Mt	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
		My	1.08	0.89	0.71	0.52	0.33	0.15	-0.04	-0.23	-0.41
		Mz	-0.93	-3.42	-5.91	-8.39	-10.88	-13.36	-15.85	-18.34	-20.82
	Multidão - Passeio	N	77.522	77.522	77.522	77.522	77.522	77.522	77.522	77.522	77.522
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-7.757	-7.757	-7.757	-7.757	-7.757	-7.757	-7.757	-7.757	-7.757
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-25.05	-19.29	-13.52	-7.76	-2.00	3.76	9.53	15.29	21.05
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	Multidão - TB450	N	253.007	253.007	253.007	253.007	253.007	253.007	253.007	253.007	253.007
		Vy	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016
		Vz	-25.306	-25.306	-25.306	-25.306	-25.306	-25.306	-25.306	-25.306	-25.306
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-81.73	-62.93	-44.13	-25.32	-6.52	12.28	31.08	49.88	68.68
		Mz	-0.12	-0.11	-0.09	-0.08	-0.07	-0.06	-0.05	-0.03	-0.02
	TB-450 - A1	N	126.483	126.483	126.483	126.483	126.483	126.483	126.483	126.483	126.483
		Vy	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		Vz	-7.038	-7.038	-7.038	-7.038	-7.038	-7.038	-7.038	-7.038	-7.038
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-24.80	-19.57	-14.34	-9.11	-3.89	1.34	6.57	11.80	17.03
		Mz	-0.08	-0.08	-0.07	-0.06	-0.05	-0.05	-0.04	-0.03	-0.03
	TB-450 - A2	N	53.395	53.395	53.395	53.395	53.395	53.395	53.395	53.395	53.395
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	-2.975	-2.975	-2.975	-2.975	-2.975	-2.975	-2.975	-2.975	-2.975
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-10.48	-8.27	-6.06	-3.85	-1.64	0.57	2.78	4.99	7.20
		Mz	-0.03	-0.02	-0.01	-0.01	0.00	0.00	0.01	0.02	0.02
	TB-450 - B1	N	151.750	151.750	151.750	151.750	151.750	151.750	151.750	151.750	151.750
		Vy	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
		Vz	-17.372	-17.372	-17.372	-17.372	-17.372	-17.372	-17.372	-17.372	-17.372
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-55.41	-42.51	-29.60	-16.70	-3.79	9.12	22.02	34.93	47.84
		Mz	-0.04	-0.03	-0.02	0.00	0.01	0.03	0.04	0.05	0.07
	TB-450 - B2	N	64.129	64.129	64.129	64.129	64.129	64.129	64.129	64.129	64.129
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	-7.343	-7.343	-7.343	-7.343	-7.343	-7.343	-7.343	-7.343	-7.343
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-23.40	-17.95	-12.49	-7.04	-1.58	3.88	9.33	14.79	20.24
		Mz	-0.04	-0.04	-0.05	-0.06	-0.06	-0.07	-0.07	-0.08	-0.08
	TB-450 - C1	N	111.320	111.320	111.320	111.320	111.320	111.320	111.320	111.320	111.320
		Vy	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
		Vz	-13.012	-13.012	-13.012	-13.012	-13.012	-13.012	-13.012	-13.012	-13.012
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-41.29	-31.62	-21.95	-12.29	-2.62	7.05	16.72	26.38	36.05
		Mz	-0.04	-0.03	-0.01	0.00	0.02	0.03	0.05	0.06	0.07
	TB-450 - C2	N	47.065	47.065	47.065	47.065	47.065	47.065	47.065	47.065	47.065
		Vy	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vz	-5.500	-5.500	-5.500	-5.500	-5.500	-5.500	-5.500	-5.500	-5.500
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-17.43	-13.34	-9.26	-5.17	-1.08	3.00	7.09	11.17	15.26
		Mz	-0.04	-0.05	-0.05	-0.06	-0.07	-0.07	-0.08	-0.09	-0.09
	TB-450 - D1	N	67.132	67.132	67.132	67.132	67.132	67.132	67.132	67.132	67.132

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.743 m	1.486 m	2.229 m	2.972 m	3.715 m	4.458 m	5.201 m	5.944 m
		Vy	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Vz	-7.856	-7.856	-7.856	-7.856	-7.856	-7.856	-7.856	-7.856	-7.856
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-24.92	-19.09	-13.25	-7.41	-1.58	4.26	10.10	15.93	21.77
		Mz	-0.03	-0.02	-0.01	0.00	0.01	0.02	0.03	0.03	0.04
	TB-450 - D2	N	28.378	28.378	28.378	28.378	28.378	28.378	28.378	28.378	28.378
		Vy	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vz	-3.319	-3.319	-3.319	-3.319	-3.319	-3.319	-3.319	-3.319	-3.319
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-10.52	-8.05	-5.59	-3.12	-0.65	1.81	4.28	6.74	9.21
		Mz	-0.03	-0.03	-0.04	-0.04	-0.05	-0.05	-0.05	-0.06	-0.06
	TB-450 - E1	N	22.801	22.801	22.801	22.801	22.801	22.801	22.801	22.801	22.801
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	-2.675	-2.675	-2.675	-2.675	-2.675	-2.675	-2.675	-2.675	-2.675
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-8.49	-6.50	-4.51	-2.52	-0.54	1.45	3.44	5.43	7.41
		Mz	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.771 m	1.543 m	2.314 m	3.086 m	3.857 m	4.629 m	5.400 m	6.172 m
N156/N153	Peso próprio	N	-129.988	-129.104	-128.219	-127.335	-126.451	-125.566	-124.682	-123.797	-122.913
		Vy	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vz	5.631	5.747	5.864	5.980	6.096	6.213	6.329	6.445	6.562
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	17.81	13.42	8.94	4.37	-0.29	-5.04	-9.87	-14.80	-19.82
		Mz	-0.01	-0.02	-0.02	-0.03	-0.03	-0.04	-0.04	-0.05	-0.05
	LAJE	N	-289.904	-289.904	-289.904	-289.904	-289.904	-289.904	-289.904	-289.904	-289.904
		Vy	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
		Vz	14.835	14.835	14.835	14.835	14.835	14.835	14.835	14.835	14.835
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	44.45	33.00	21.56	10.11	-1.33	-12.78	-24.22	-35.67	-47.11
		Mz	0.13	0.11	0.10	0.08	0.06	0.04	0.03	0.01	-0.01
	PAVIMENTAÇÃO	N	-158.191	-158.191	-158.191	-158.191	-158.191	-158.191	-158.191	-158.191	-158.191
		Vy	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Vz	8.095	8.095	8.095	8.095	8.095	8.095	8.095	8.095	8.095
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	24.25	18.01	11.76	5.52	-0.73	-6.97	-13.22	-19.46	-25.71
		Mz	0.07	0.06	0.05	0.04	0.03	0.02	0.01	0.01	0.00
	RECAPEAMENTO	N	-71.905	-71.905	-71.905	-71.905	-71.905	-71.905	-71.905	-71.905	-71.905
		Vy	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vz	3.680	3.680	3.680	3.680	3.680	3.680	3.680	3.680	3.680
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.02	8.19	5.35	2.51	-0.33	-3.17	-6.01	-8.85	-11.68
		Mz	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.00	0.00
	GUARDA-RODAS	N	-39.036	-39.036	-39.036	-39.036	-39.036	-39.036	-39.036	-39.036	-39.036
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	1.997	1.997	1.997	1.997	1.997	1.997	1.997	1.997	1.997
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.98	4.44	2.90	1.36	-0.18	-1.72	-3.26	-4.80	-6.34
		Mz	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
	Vento 0	N	-2.582	-2.582	-2.582	-2.582	-2.582	-2.582	-2.582	-2.582	-2.582
		Vy	2.612	1.918	1.224	0.529	-0.165	-0.859	-1.554	-2.248	-2.942

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.771 m	1.543 m	2.314 m	3.086 m	3.857 m	4.629 m	5.400 m	6.172 m
		Vz	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	0.56	0.43	0.29	0.15	0.01	-0.13	-0.27	-0.40	-0.54
		Mz	-1.22	-2.97	-4.18	-4.86	-5.00	-4.60	-3.67	-2.21	-0.21
	Vento 180	N	0.965	0.965	0.965	0.965	0.965	0.965	0.965	0.965	0.965
		Vy	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
		Vz	-0.088	-0.088	-0.088	-0.088	-0.088	-0.088	-0.088	-0.088	-0.088
		Mt	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		My	-0.29	-0.22	-0.15	-0.08	-0.02	0.05	0.12	0.19	0.26
		Mz	0.98	0.94	0.90	0.87	0.83	0.80	0.76	0.73	0.69
	Multidão - Passeio	N	-50.669	-50.669	-50.669	-50.669	-50.669	-50.669	-50.669	-50.669	-50.669
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	2.592	2.592	2.592	2.592	2.592	2.592	2.592	2.592	2.592
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.77	5.77	3.77	1.77	-0.23	-2.23	-4.23	-6.23	-8.23
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-165.240	-165.240	-165.240	-165.240	-165.240	-165.240	-165.240	-165.240	-165.240
		Vy	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
		Vz	8.456	8.456	8.456	8.456	8.456	8.456	8.456	8.456	8.456
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.34	18.81	12.29	5.76	-0.76	-7.28	-13.81	-20.33	-26.85
		Mz	0.10	0.09	0.07	0.06	0.05	0.03	0.02	0.01	-0.01
	TB-450 - A1	N	-9.032	-9.032	-9.032	-9.032	-9.032	-9.032	-9.032	-9.032	-9.032
		Vy	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
		Vz	1.868	1.868	1.868	1.868	1.868	1.868	1.868	1.868	1.868
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.90	4.46	3.02	1.58	0.14	-1.31	-2.75	-4.19	-5.63
		Mz	0.05	0.05	0.04	0.03	0.02	0.02	0.01	0.00	-0.01
	TB-450 - A2	N	-3.850	-3.850	-3.850	-3.850	-3.850	-3.850	-3.850	-3.850	-3.850
		Vy	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vz	0.790	0.790	0.790	0.790	0.790	0.790	0.790	0.790	0.790
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.49	1.88	1.28	0.67	0.06	-0.55	-1.16	-1.77	-2.38
		Mz	0.04	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.00
	TB-450 - B1	N	-125.912	-125.912	-125.912	-125.912	-125.912	-125.912	-125.912	-125.912	-125.912
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	5.897	5.897	5.897	5.897	5.897	5.897	5.897	5.897	5.897
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	17.66	13.11	8.56	4.02	-0.53	-5.08	-9.63	-14.18	-18.73
		Mz	0.03	0.02	0.02	0.02	0.01	0.01	0.00	0.00	-0.01
	TB-450 - B2	N	-53.167	-53.167	-53.167	-53.167	-53.167	-53.167	-53.167	-53.167	-53.167
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	2.488	2.488	2.488	2.488	2.488	2.488	2.488	2.488	2.488
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.45	5.53	3.61	1.69	-0.23	-2.15	-4.06	-5.98	-7.90
		Mz	0.04	0.04	0.03	0.03	0.02	0.02	0.01	0.01	0.00
	TB-450 - C1	N	-98.460	-98.460	-98.460	-98.460	-98.460	-98.460	-98.460	-98.460	-98.460
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	4.567	4.567	4.567	4.567	4.567	4.567	4.567	4.567	4.567
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.52	10.00	6.47	2.95	-0.57	-4.10	-7.62	-11.14	-14.67
		Mz	0.02	0.02	0.02	0.01	0.01	0.00	0.00	0.00	-0.01
	TB-450 - C2	N	-41.543	-41.543	-41.543	-41.543	-41.543	-41.543	-41.543	-41.543	-41.543
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	1.926	1.926	1.926	1.926	1.926	1.926	1.926	1.926	1.926
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.70	4.22	2.73	1.24	-0.24	-1.73	-3.21	-4.70	-6.18
		Mz	0.05	0.04	0.04	0.03	0.02	0.02	0.01	0.01	0.00
	TB-450 - D1	N	-59.509	-59.509	-59.509	-59.509	-59.509	-59.509	-59.509	-59.509	-59.509
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	2.760	2.760	2.760	2.760	2.760	2.760	2.760	2.760	2.760

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.771 m	1.543 m	2.314 m	3.086 m	3.857 m	4.629 m	5.400 m	6.172 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.17	6.04	3.91	1.78	-0.35	-2.48	-4.61	-6.74	-8.87
		Mz	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-25.099	-25.099	-25.099	-25.099	-25.099	-25.099	-25.099	-25.099	-25.099
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	1.164	1.164	1.164	1.164	1.164	1.164	1.164	1.164	1.164
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.44	2.55	1.65	0.75	-0.15	-1.04	-1.94	-2.84	-3.74
		Mz	0.03	0.03	0.02	0.02	0.01	0.01	0.01	0.00	0.00
	TB-450 - E1	N	-20.303	-20.303	-20.303	-20.303	-20.303	-20.303	-20.303	-20.303	-20.303
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	0.941	0.941	0.941	0.941	0.941	0.941	0.941	0.941	0.941
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.78	2.06	1.33	0.61	-0.12	-0.84	-1.57	-2.30	-3.02
		Mz	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.743 m	1.486 m	2.228 m	2.971 m	3.714 m	4.457 m	5.200 m	5.943 m
N158/N152	Peso próprio	N	127.548	128.399	129.250	130.101	130.952	131.803	132.654	133.505	134.356
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-8.313	-8.197	-8.081	-7.964	-7.848	-7.731	-7.615	-7.499	-7.382
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-23.93	-17.80	-11.75	-5.79	0.08	5.87	11.57	17.18	22.71
		Mz	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.01	0.01
	LAJE	N	337.215	337.215	337.215	337.215	337.215	337.215	337.215	337.215	337.215
		Vy	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020
		Vz	-19.113	-19.113	-19.113	-19.113	-19.113	-19.113	-19.113	-19.113	-19.113
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-57.20	-43.01	-28.81	-14.61	-0.41	13.78	27.98	42.18	56.38
		Mz	-0.12	-0.10	-0.09	-0.07	-0.06	-0.04	-0.03	-0.01	0.00
	PAVIMENTAÇÃO	N	184.008	184.008	184.008	184.008	184.008	184.008	184.008	184.008	184.008
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	-10.429	-10.429	-10.429	-10.429	-10.429	-10.429	-10.429	-10.429	-10.429
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-31.21	-23.47	-15.72	-7.97	-0.23	7.52	15.27	23.02	30.76
		Mz	-0.06	-0.06	-0.05	-0.04	-0.03	-0.02	-0.02	-0.01	0.00
	RECAPEAMENTO	N	83.640	83.640	83.640	83.640	83.640	83.640	83.640	83.640	83.640
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	-4.741	-4.741	-4.741	-4.741	-4.741	-4.741	-4.741	-4.741	-4.741
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-14.19	-10.67	-7.15	-3.62	-0.10	3.42	6.94	10.46	13.98
		Mz	-0.03	-0.03	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	0.00
	GUARDA-RODAS	N	45.403	45.403	45.403	45.403	45.403	45.403	45.403	45.403	45.403
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-2.573	-2.573	-2.573	-2.573	-2.573	-2.573	-2.573	-2.573	-2.573
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-7.70	-5.79	-3.88	-1.97	-0.06	1.86	3.77	5.68	7.59
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
	Vento 0	N	3.926	3.926	3.926	3.926	3.926	3.926	3.926	3.926	3.926
		Vy	-2.573	-1.905	-1.236	-0.568	0.101	0.769	1.438	2.106	2.775
		Vz	-0.239	-0.239	-0.239	-0.239	-0.239	-0.239	-0.239	-0.239	-0.239

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.743 m	1.486 m	2.228 m	2.971 m	3.714 m	4.457 m	5.200 m	5.943 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.72	-0.54	-0.37	-0.19	-0.01	0.17	0.34	0.52	0.70
		Mz	0.60	2.26	3.43	4.10	4.28	3.95	3.13	1.82	0.00
	Vento 180	N	-1.748	-1.748	-1.748	-1.748	-1.748	-1.748	-1.748	-1.748	-1.748
		Vy	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021
		Vz	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	0.35	0.26	0.17	0.09	0.00	-0.08	-0.17	-0.26	-0.34
		Mz	0.13	0.11	0.10	0.08	0.07	0.05	0.03	0.02	0.00
	Multidão - Passeio	N	58.927	58.927	58.927	58.927	58.927	58.927	58.927	58.927	58.927
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-3.340	-3.340	-3.340	-3.340	-3.340	-3.340	-3.340	-3.340	-3.340
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-10.00	-7.52	-5.03	-2.55	-0.07	2.41	4.89	7.37	9.85
		Mz	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	192.222	192.222	192.222	192.222	192.222	192.222	192.222	192.222	192.222
		Vy	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
		Vz	-10.895	-10.895	-10.895	-10.895	-10.895	-10.895	-10.895	-10.895	-10.895
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-32.61	-24.51	-16.42	-8.33	-0.24	7.86	15.95	24.04	32.14
		Mz	-0.09	-0.08	-0.07	-0.05	-0.04	-0.03	-0.02	-0.01	0.00
	TB-450 - A1	N	34.270	34.270	34.270	34.270	34.270	34.270	34.270	34.270	34.270
		Vy	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		Vz	-1.014	-1.014	-1.014	-1.014	-1.014	-1.014	-1.014	-1.014	-1.014
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.43	-1.68	-0.93	-0.17	0.58	1.33	2.09	2.84	3.59
		Mz	-0.08	-0.07	-0.06	-0.05	-0.05	-0.04	-0.03	-0.02	-0.01
	TB-450 - A2	N	14.497	14.497	14.497	14.497	14.497	14.497	14.497	14.497	14.497
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	-0.429	-0.429	-0.429	-0.429	-0.429	-0.429	-0.429	-0.429	-0.429
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.03	-0.71	-0.39	-0.07	0.24	0.56	0.88	1.20	1.52
		Mz	-0.06	-0.05	-0.04	-0.03	-0.02	-0.02	-0.01	0.00	0.01
	TB-450 - B1	N	137.121	137.121	137.121	137.121	137.121	137.121	137.121	137.121	137.121
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	-7.601	-7.601	-7.601	-7.601	-7.601	-7.601	-7.601	-7.601	-7.601
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-22.76	-17.11	-11.46	-5.82	-0.17	5.47	11.12	16.77	22.41
		Mz	-0.05	-0.04	-0.04	-0.03	-0.03	-0.02	-0.01	-0.01	0.00
	TB-450 - B2	N	57.848	57.848	57.848	57.848	57.848	57.848	57.848	57.848	57.848
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	-3.209	-3.209	-3.209	-3.209	-3.209	-3.209	-3.209	-3.209	-3.209
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-9.61	-7.22	-4.84	-2.46	-0.07	2.31	4.69	7.08	9.46
		Mz	-0.03	-0.02	-0.02	-0.02	-0.01	-0.01	0.00	0.00	0.00
	TB-450 - C1	N	106.473	106.473	106.473	106.473	106.473	106.473	106.473	106.473	106.473
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-6.636	-6.636	-6.636	-6.636	-6.636	-6.636	-6.636	-6.636	-6.636
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-20.18	-15.25	-10.32	-5.39	-0.46	4.47	9.40	14.33	19.25
		Mz	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - C2	N	44.878	44.878	44.878	44.878	44.878	44.878	44.878	44.878	44.878
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-2.799	-2.799	-2.799	-2.799	-2.799	-2.799	-2.799	-2.799	-2.799
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-8.51	-6.43	-4.35	-2.27	-0.19	1.88	3.96	6.04	8.12
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.743 m	1.486 m	2.228 m	2.971 m	3.714 m	4.457 m	5.200 m	5.943 m
	TB-450 - D1	N	64.584	64.584	64.584	64.584	64.584	64.584	64.584	64.584	64.584
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-4.029	-4.029	-4.029	-4.029	-4.029	-4.029	-4.029	-4.029	-4.029
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-12.26	-9.27	-6.28	-3.28	-0.29	2.70	5.69	8.69	11.68
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	27.216	27.216	27.216	27.216	27.216	27.216	27.216	27.216	27.216
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.699	-1.699	-1.699	-1.699	-1.699	-1.699	-1.699	-1.699	-1.699
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.17	-3.91	-2.65	-1.38	-0.12	1.14	2.40	3.66	4.93
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	22.021	22.021	22.021	22.021	22.021	22.021	22.021	22.021	22.021
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.374	-1.374	-1.374	-1.374	-1.374	-1.374	-1.374	-1.374	-1.374
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.18	-3.16	-2.14	-1.12	-0.10	0.92	1.94	2.96	3.98
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.771 m	1.543 m	2.314 m	3.085 m	3.857 m	4.628 m	5.399 m	6.171 m
N157/N151	Peso próprio	N	-123.223	-122.339	-121.455	-120.571	-119.686	-118.802	-117.918	-117.034	-116.149
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	6.401	6.518	6.634	6.750	6.867	6.983	7.099	7.216	7.332
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	21.00	16.02	10.95	5.79	0.53	-4.81	-10.24	-15.76	-21.37
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
	LAJE	N	-274.039	-274.039	-274.039	-274.039	-274.039	-274.039	-274.039	-274.039	-274.039
		Vy	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
		Vz	16.696	16.696	16.696	16.696	16.696	16.696	16.696	16.696	16.696
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	52.17	39.29	26.42	13.54	0.66	-12.22	-25.10	-37.97	-50.85
		Mz	0.12	0.10	0.09	0.07	0.06	0.04	0.03	0.01	0.00
	PAVIMENTAÇÃO	N	-149.533	-149.533	-149.533	-149.533	-149.533	-149.533	-149.533	-149.533	-149.533
		Vy	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Vz	9.110	9.110	9.110	9.110	9.110	9.110	9.110	9.110	9.110
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	28.47	21.44	14.41	7.39	0.36	-6.67	-13.69	-20.72	-27.75
		Mz	0.07	0.06	0.05	0.04	0.03	0.02	0.02	0.01	0.00
	RECAPEAMENTO	N	-67.969	-67.969	-67.969	-67.969	-67.969	-67.969	-67.969	-67.969	-67.969
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	4.141	4.141	4.141	4.141	4.141	4.141	4.141	4.141	4.141
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	12.94	9.75	6.55	3.36	0.16	-3.03	-6.22	-9.42	-12.61
		Mz	0.03	0.03	0.02	0.02	0.01	0.01	0.01	0.00	0.00
	GUARDA-RODAS	N	-36.903	-36.903	-36.903	-36.903	-36.903	-36.903	-36.903	-36.903	-36.903
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	2.248	2.248	2.248	2.248	2.248	2.248	2.248	2.248	2.248
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.03	5.29	3.56	1.82	0.09	-1.65	-3.38	-5.11	-6.85
		Mz	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.771 m	1.543 m	2.314 m	3.085 m	3.857 m	4.628 m	5.399 m	6.171 m
	Vento 0	N	-4.405	-4.405	-4.405	-4.405	-4.405	-4.405	-4.405	-4.405	-4.405
		Vy	2.683	1.989	1.295	0.600	-0.094	-0.788	-1.482	-2.176	-2.871
		Vz	0.238	0.238	0.238	0.238	0.238	0.238	0.238	0.238	0.238
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.73	0.54	0.36	0.18	-0.01	-0.19	-0.37	-0.56	-0.74
		Mz	-0.57	-2.37	-3.64	-4.37	-4.57	-4.23	-3.35	-1.94	0.01
	Vento 180	N	2.120	2.120	2.120	2.120	2.120	2.120	2.120	2.120	2.120
		Vy	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Vz	-0.108	-0.108	-0.108	-0.108	-0.108	-0.108	-0.108	-0.108	-0.108
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-0.34	-0.25	-0.17	-0.08	0.00	0.08	0.17	0.25	0.33
		Mz	-0.03	-0.02	-0.01	0.00	0.01	0.02	0.03	0.04	0.05
	Multidão - Passeio	N	-47.906	-47.906	-47.906	-47.906	-47.906	-47.906	-47.906	-47.906	-47.906
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	2.918	2.918	2.918	2.918	2.918	2.918	2.918	2.918	2.918
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.12	6.87	4.62	2.37	0.12	-2.14	-4.39	-6.64	-8.89
		Mz	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-156.182	-156.182	-156.182	-156.182	-156.182	-156.182	-156.182	-156.182	-156.182
		Vy	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vz	9.516	9.516	9.516	9.516	9.516	9.516	9.516	9.516	9.516
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	29.74	22.40	15.06	7.72	0.38	-6.96	-14.30	-21.64	-28.98
		Mz	0.09	0.08	0.07	0.05	0.04	0.03	0.02	0.01	0.00
	TB-450 - A1	N	16.868	16.868	16.868	16.868	16.868	16.868	16.868	16.868	16.868
		Vy	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Vz	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.36	-0.19	-0.03	0.14	0.31	0.47	0.64	0.81	0.97
		Mz	0.07	0.06	0.05	0.04	0.03	0.02	0.01	0.00	0.00
	TB-450 - A2	N	7.137	7.137	7.137	7.137	7.137	7.137	7.137	7.137	7.137
		Vy	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Vz	-0.091	-0.091	-0.091	-0.091	-0.091	-0.091	-0.091	-0.091	-0.091
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.15	-0.08	-0.01	0.06	0.13	0.20	0.27	0.34	0.41
		Mz	0.07	0.06	0.05	0.04	0.03	0.03	0.02	0.01	0.00
	TB-450 - B1	N	-94.442	-94.442	-94.442	-94.442	-94.442	-94.442	-94.442	-94.442	-94.442
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	6.076	6.076	6.076	6.076	6.076	6.076	6.076	6.076	6.076
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	19.42	14.74	10.05	5.36	0.68	-4.01	-8.70	-13.38	-18.07
		Mz	0.04	0.04	0.03	0.02	0.02	0.01	0.01	0.00	0.00
	TB-450 - B2	N	-39.840	-39.840	-39.840	-39.840	-39.840	-39.840	-39.840	-39.840	-39.840
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	2.563	2.563	2.563	2.563	2.563	2.563	2.563	2.563	2.563
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.19	6.22	4.24	2.26	0.29	-1.69	-3.67	-5.64	-7.62
		Mz	0.03	0.03	0.03	0.02	0.02	0.01	0.01	0.01	0.00
	TB-450 - C1	N	-120.170	-120.170	-120.170	-120.170	-120.170	-120.170	-120.170	-120.170	-120.170
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	6.685	6.685	6.685	6.685	6.685	6.685	6.685	6.685	6.685
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	20.49	15.34	10.18	5.02	-0.13	-5.29	-10.44	-15.60	-20.76
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-50.671	-50.671	-50.671	-50.671	-50.671	-50.671	-50.671	-50.671	-50.671
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	2.818	2.818	2.818	2.818	2.818	2.818	2.818	2.818	2.818
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.64	6.47	4.29	2.12	-0.05	-2.23	-4.40	-6.58	-8.75
		Mz	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.771 m	1.543 m	2.314 m	3.085 m	3.857 m	4.628 m	5.399 m	6.171 m
	TB-450 - D1	N	-73.385	-73.385	-73.385	-73.385	-73.385	-73.385	-73.385	-73.385	-73.385
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	4.101	4.101	4.101	4.101	4.101	4.101	4.101	4.101	4.101
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	12.55	9.39	6.22	3.06	-0.10	-3.27	-6.43	-9.59	-12.75
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-30.937	-30.937	-30.937	-30.937	-30.937	-30.937	-30.937	-30.937	-30.937
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.728	1.728	1.728	1.728	1.728	1.728	1.728	1.728	1.728
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.29	3.96	2.62	1.29	-0.04	-1.38	-2.71	-4.04	-5.38
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-25.032	-25.032	-25.032	-25.032	-25.032	-25.032	-25.032	-25.032	-25.032
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.399	1.399	1.399	1.399	1.399	1.399	1.399	1.399	1.399
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.28	3.20	2.12	1.04	-0.04	-1.11	-2.19	-3.27	-4.35
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.743 m	1.485 m	2.228 m	2.971 m	3.713 m	4.456 m	5.199 m	5.941 m
N159/N150	Peso próprio	N	102.261	103.112	103.962	104.813	105.664	106.515	107.366	108.217	109.067
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-7.039	-6.923	-6.807	-6.690	-6.574	-6.458	-6.341	-6.225	-6.109
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-19.50	-14.31	-9.21	-4.20	0.73	5.57	10.32	14.98	19.56
		Mz	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
	LAJE	N	273.574	273.574	273.574	273.574	273.574	273.574	273.574	273.574	273.574
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-15.944	-15.944	-15.944	-15.944	-15.944	-15.944	-15.944	-15.944	-15.944
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-46.18	-34.34	-22.50	-10.66	1.18	13.02	24.86	36.70	48.54
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	149.279	149.279	149.279	149.279	149.279	149.279	149.279	149.279	149.279
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-8.700	-8.700	-8.700	-8.700	-8.700	-8.700	-8.700	-8.700	-8.700
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-25.20	-18.74	-12.28	-5.82	0.64	7.10	13.57	20.03	26.49
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	67.854	67.854	67.854	67.854	67.854	67.854	67.854	67.854	67.854
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-3.955	-3.955	-3.955	-3.955	-3.955	-3.955	-3.955	-3.955	-3.955
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-11.46	-8.52	-5.58	-2.64	0.29	3.23	6.17	9.10	12.04
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	36.841	36.841	36.841	36.841	36.841	36.841	36.841	36.841	36.841
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-2.147	-2.147	-2.147	-2.147	-2.147	-2.147	-2.147	-2.147	-2.147
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-6.22	-4.62	-3.03	-1.44	0.16	1.75	3.35	4.94	6.54
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.743 m	1.485 m	2.228 m	2.971 m	3.713 m	4.456 m	5.199 m	5.941 m
	Vento 0	N	4.215	4.215	4.215	4.215	4.215	4.215	4.215	4.215	4.215
		Vy	-2.591	-1.923	-1.254	-0.586	0.083	0.751	1.419	2.088	2.756
		Vz	-0.312	-0.312	-0.312	-0.312	-0.312	-0.312	-0.312	-0.312	-0.312
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	-0.93	-0.70	-0.46	-0.23	0.00	0.23	0.46	0.69	0.92
		Mz	0.50	2.18	3.36	4.04	4.23	3.92	3.11	1.81	0.01
	Vento 180	N	-1.903	-1.903	-1.903	-1.903	-1.903	-1.903	-1.903	-1.903	-1.903
		Vy	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
		Vz	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	0.47	0.36	0.24	0.12	0.00	-0.12	-0.23	-0.35	-0.47
		Mz	0.22	0.20	0.17	0.15	0.13	0.10	0.08	0.06	0.03
	Multidão - Passeio	N	47.826	47.826	47.826	47.826	47.826	47.826	47.826	47.826	47.826
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-2.787	-2.787	-2.787	-2.787	-2.787	-2.787	-2.787	-2.787	-2.787
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-8.07	-6.00	-3.93	-1.86	0.21	2.28	4.35	6.41	8.48
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	155.916	155.916	155.916	155.916	155.916	155.916	155.916	155.916	155.916
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-9.088	-9.088	-9.088	-9.088	-9.088	-9.088	-9.088	-9.088	-9.088
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-26.32	-19.58	-12.83	-6.08	0.67	7.42	14.17	20.92	27.67
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-16.566	-16.566	-16.566	-16.566	-16.566	-16.566	-16.566	-16.566	-16.566
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	1.095	1.095	1.095	1.095	1.095	1.095	1.095	1.095	1.095
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.52	2.71	1.89	1.08	0.27	-0.55	-1.36	-2.17	-2.98
		Mz	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	0.00
	TB-450 - A2	N	-7.007	-7.007	-7.007	-7.007	-7.007	-7.007	-7.007	-7.007	-7.007
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	0.464	0.464	0.464	0.464	0.464	0.464	0.464	0.464	0.464
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.49	1.15	0.80	0.46	0.11	-0.23	-0.58	-0.92	-1.26
		Mz	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	98.349	98.349	98.349	98.349	98.349	98.349	98.349	98.349	98.349
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	-4.383	-4.383	-4.383	-4.383	-4.383	-4.383	-4.383	-4.383	-4.383
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-12.12	-8.86	-5.61	-2.35	0.91	4.16	7.42	10.67	13.93
		Mz	-0.03	-0.03	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	0.00
	TB-450 - B2	N	41.480	41.480	41.480	41.480	41.480	41.480	41.480	41.480	41.480
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-1.849	-1.849	-1.849	-1.849	-1.849	-1.849	-1.849	-1.849	-1.849
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.11	-3.74	-2.36	-0.99	0.38	1.76	3.13	4.50	5.87
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	116.229	116.229	116.229	116.229	116.229	116.229	116.229	116.229	116.229
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	-7.572	-7.572	-7.572	-7.572	-7.572	-7.572	-7.572	-7.572	-7.572
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-22.40	-16.78	-11.16	-5.53	0.09	5.71	11.34	16.96	22.58
		Mz	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
	TB-450 - C2	N	48.993	48.993	48.993	48.993	48.993	48.993	48.993	48.993	48.993
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	-3.194	-3.194	-3.194	-3.194	-3.194	-3.194	-3.194	-3.194	-3.194

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.743 m	1.485 m	2.228 m	2.971 m	3.713 m	4.456 m	5.199 m	5.941 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-9.45	-7.08	-4.71	-2.33	0.04	2.41	4.78	7.15	9.53
		Mz	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.00
	TB-450 - D1	N	72.806	72.806	72.806	72.806	72.806	72.806	72.806	72.806	72.806
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-4.751	-4.751	-4.751	-4.751	-4.751	-4.751	-4.751	-4.751	-4.751
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-14.10	-10.58	-7.05	-3.52	0.01	3.54	7.07	10.59	14.12
		Mz	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
	TB-450 - D2	N	30.685	30.685	30.685	30.685	30.685	30.685	30.685	30.685	30.685
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	-2.004	-2.004	-2.004	-2.004	-2.004	-2.004	-2.004	-2.004	-2.004
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.95	-4.46	-2.97	-1.48	0.00	1.49	2.98	4.47	5.96
		Mz	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00
	TB-450 - E1	N	24.860	24.860	24.860	24.860	24.860	24.860	24.860	24.860	24.860
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-1.620	-1.620	-1.620	-1.620	-1.620	-1.620	-1.620	-1.620	-1.620
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.81	-3.61	-2.40	-1.20	0.00	1.21	2.41	3.61	4.82
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.771 m	1.542 m	2.314 m	3.085 m	3.856 m	4.627 m	5.398 m	6.169 m
N160/N149	Peso próprio	N	-83.716	-82.832	-81.948	-81.064	-80.180	-79.296	-78.412	-77.528	-76.644
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	4.203	4.319	4.435	4.552	4.668	4.785	4.901	5.017	5.134
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.59	11.30	7.93	4.46	0.91	-2.74	-6.47	-10.30	-14.21
		Mz	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
	LAJE	N	-176.444	-176.444	-176.444	-176.444	-176.444	-176.444	-176.444	-176.444	-176.444
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	11.242	11.242	11.242	11.242	11.242	11.242	11.242	11.242	11.242
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	36.27	27.60	18.93	10.26	1.59	-7.08	-15.75	-24.42	-33.09
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-96.280	-96.280	-96.280	-96.280	-96.280	-96.280	-96.280	-96.280	-96.280
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	6.135	6.135	6.135	6.135	6.135	6.135	6.135	6.135	6.135
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	19.79	15.06	10.33	5.60	0.87	-3.87	-8.60	-13.33	-18.06
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-43.764	-43.764	-43.764	-43.764	-43.764	-43.764	-43.764	-43.764	-43.764
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.788	2.788	2.788	2.788	2.788	2.788	2.788	2.788	2.788
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.99	6.84	4.69	2.54	0.39	-1.76	-3.91	-6.06	-8.21
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-23.754	-23.754	-23.754	-23.754	-23.754	-23.754	-23.754	-23.754	-23.754
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.514	1.514	1.514	1.514	1.514	1.514	1.514	1.514	1.514

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.771 m	1.542 m	2.314 m	3.085 m	3.856 m	4.627 m	5.398 m	6.169 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.88	3.72	2.55	1.38	0.21	-0.95	-2.12	-3.29	-4.46
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-4.862	-4.862	-4.862	-4.862	-4.862	-4.862	-4.862	-4.862	-4.862
		Vy	2.680	1.986	1.292	0.598	-0.096	-0.790	-1.484	-2.178	-2.872
		Vz	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	0.82	0.62	0.42	0.22	0.02	-0.18	-0.38	-0.58	-0.77
		Mz	-0.67	-2.47	-3.73	-4.46	-4.65	-4.31	-3.43	-2.02	-0.07
	Vento 180	N	2.287	2.287	2.287	2.287	2.287	2.287	2.287	2.287	2.287
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	-0.117	-0.117	-0.117	-0.117	-0.117	-0.117	-0.117	-0.117	-0.117
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	-0.39	-0.30	-0.21	-0.12	-0.03	0.06	0.15	0.24	0.33
		Mz	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12
	Multidão - Passeio	N	-30.826	-30.826	-30.826	-30.826	-30.826	-30.826	-30.826	-30.826	-30.826
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.965	1.965	1.965	1.965	1.965	1.965	1.965	1.965	1.965
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.34	4.82	3.31	1.79	0.28	-1.24	-2.75	-4.27	-5.78
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-100.587	-100.587	-100.587	-100.587	-100.587	-100.587	-100.587	-100.587	-100.587
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	6.408	6.408	6.408	6.408	6.408	6.408	6.408	6.408	6.408
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	20.67	15.73	10.79	5.85	0.90	-4.04	-8.98	-13.92	-18.86
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	23.882	23.882	23.882	23.882	23.882	23.882	23.882	23.882	23.882
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-1.338	-1.338	-1.338	-1.338	-1.338	-1.338	-1.338	-1.338	-1.338
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.96	-2.93	-1.90	-0.87	0.17	1.20	2.23	3.26	4.29
		Mz	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	10.118	10.118	10.118	10.118	10.118	10.118	10.118	10.118	10.118
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-0.567	-0.567	-0.567	-0.567	-0.567	-0.567	-0.567	-0.567	-0.567
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.68	-1.24	-0.80	-0.37	0.07	0.51	0.94	1.38	1.82
		Mz	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
	TB-450 - B1	N	4.763	4.763	4.763	4.763	4.763	4.763	4.763	4.763	4.763
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	1.330	1.330	1.330	1.330	1.330	1.330	1.330	1.330	1.330
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.16	4.13	3.11	2.08	1.06	0.03	-0.99	-2.02	-3.05
		Mz	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00
	TB-450 - B2	N	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.17	1.74	1.31	0.88	0.45	0.02	-0.41	-0.85	-1.28
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
	TB-450 - C1	N	-115.647	-115.647	-115.647	-115.647	-115.647	-115.647	-115.647	-115.647	-115.647
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	6.397	6.397	6.397	6.397	6.397	6.397	6.397	6.397	6.397
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	20.15	15.22	10.29	5.35	0.42	-4.51	-9.44	-14.38	-19.31
		Mz	-0.03	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	0.00
	TB-450 - C2	N	-48.792	-48.792	-48.792	-48.792	-48.792	-48.792	-48.792	-48.792	-48.792
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	2.698	2.698	2.698	2.698	2.698	2.698	2.698	2.698	2.698
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.771 m	1.542 m	2.314 m	3.085 m	3.856 m	4.627 m	5.398 m	6.169 m
		My	8.50	6.42	4.34	2.26	0.18	-1.90	-3.98	-6.06	-8.14
		Mz	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.01
	TB-450 - D1	N	-77.357	-77.357	-77.357	-77.357	-77.357	-77.357	-77.357	-77.357	-77.357
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	4.297	4.297	4.297	4.297	4.297	4.297	4.297	4.297	4.297
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.31	9.99	6.68	3.37	0.05	-3.26	-6.58	-9.89	-13.20
		Mz	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00
	TB-450 - D2	N	-32.640	-32.640	-32.640	-32.640	-32.640	-32.640	-32.640	-32.640	-32.640
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	1.812	1.812	1.812	1.812	1.812	1.812	1.812	1.812	1.812
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.61	4.22	2.82	1.42	0.02	-1.38	-2.77	-4.17	-5.57
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-26.401	-26.401	-26.401	-26.401	-26.401	-26.401	-26.401	-26.401	-26.401
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	1.468	1.468	1.468	1.468	1.468	1.468	1.468	1.468	1.468
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.54	3.41	2.28	1.15	0.02	-1.12	-2.25	-3.38	-4.51
		Mz	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.743 m	1.485 m	2.228 m	2.970 m	3.713 m	4.455 m	5.198 m	5.940 m
N161/N148	Peso próprio	N	61.449	62.299	63.150	64.001	64.851	65.702	66.553	67.403	68.254
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-4.047	-3.931	-3.814	-3.698	-3.582	-3.465	-3.349	-3.233	-3.116
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-10.58	-7.62	-4.74	-1.95	0.75	3.37	5.90	8.34	10.70
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	171.792	171.792	171.792	171.792	171.792	171.792	171.792	171.792	171.792
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-8.514	-8.514	-8.514	-8.514	-8.514	-8.514	-8.514	-8.514	-8.514
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-24.04	-17.72	-11.40	-5.08	1.24	7.57	13.89	20.21	26.53
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	93.742	93.742	93.742	93.742	93.742	93.742	93.742	93.742	93.742
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-4.646	-4.646	-4.646	-4.646	-4.646	-4.646	-4.646	-4.646	-4.646
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-13.12	-9.67	-6.22	-2.77	0.68	4.13	7.58	11.03	14.48
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	42.610	42.610	42.610	42.610	42.610	42.610	42.610	42.610	42.610
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-2.112	-2.112	-2.112	-2.112	-2.112	-2.112	-2.112	-2.112	-2.112
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.96	-4.40	-2.83	-1.26	0.31	1.88	3.44	5.01	6.58
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	23.129	23.129	23.129	23.129	23.129	23.129	23.129	23.129	23.129
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.146	-1.146	-1.146	-1.146	-1.146	-1.146	-1.146	-1.146	-1.146
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.743 m	1.485 m	2.228 m	2.970 m	3.713 m	4.455 m	5.198 m	5.940 m
		My	-3.24	-2.39	-1.53	-0.68	0.17	1.02	1.87	2.72	3.57
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	4.586	4.586	4.586	4.586	4.586	4.586	4.586	4.586	4.586
		Vy	-2.580	-1.912	-1.243	-0.575	0.093	0.762	1.430	2.098	2.767
		Vz	-0.259	-0.259	-0.259	-0.259	-0.259	-0.259	-0.259	-0.259	-0.259
		Mt	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		My	-0.74	-0.55	-0.36	-0.17	0.02	0.22	0.41	0.60	0.79
		Mz	0.51	2.17	3.35	4.02	4.20	3.88	3.07	1.76	-0.05
	Vento 180	N	-2.148	-2.148	-2.148	-2.148	-2.148	-2.148	-2.148	-2.148	-2.148
		Vy	-0.040	-0.040	-0.040	-0.040	-0.040	-0.040	-0.040	-0.040	-0.040
		Vz	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099
		Mt	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		My	0.27	0.20	0.12	0.05	-0.02	-0.10	-0.17	-0.24	-0.32
		Mz	-0.15	-0.12	-0.09	-0.06	-0.03	0.00	0.03	0.06	0.09
	Multidão - Passeio	N	30.016	30.016	30.016	30.016	30.016	30.016	30.016	30.016	30.016
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.487	-1.487	-1.487	-1.487	-1.487	-1.487	-1.487	-1.487	-1.487
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.20	-3.10	-1.99	-0.89	0.22	1.32	2.43	3.53	4.63
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	97.932	97.932	97.932	97.932	97.932	97.932	97.932	97.932	97.932
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-4.854	-4.854	-4.854	-4.854	-4.854	-4.854	-4.854	-4.854	-4.854
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-13.71	-10.10	-6.50	-2.90	0.71	4.31	7.92	11.52	15.13
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-24.454	-24.454	-24.454	-24.454	-24.454	-24.454	-24.454	-24.454	-24.454
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	1.680	1.680	1.680	1.680	1.680	1.680	1.680	1.680	1.680
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.01	3.76	2.51	1.27	0.02	-1.23	-2.48	-3.72	-4.97
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-10.359	-10.359	-10.359	-10.359	-10.359	-10.359	-10.359	-10.359	-10.359
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.712	0.712	0.712	0.712	0.712	0.712	0.712	0.712	0.712
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.12	1.59	1.07	0.54	0.01	-0.52	-1.05	-1.58	-2.11
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.495	-0.495	-0.495	-0.495	-0.495	-0.495	-0.495	-0.495	-0.495
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	1.370	1.370	1.370	1.370	1.370	1.370	1.370	1.370	1.370
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.94	3.92	2.90	1.89	0.87	-0.15	-1.16	-2.18	-3.20
		Mz	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.00
	TB-450 - B2	N	-0.253	-0.253	-0.253	-0.253	-0.253	-0.253	-0.253	-0.253	-0.253
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	0.582	0.582	0.582	0.582	0.582	0.582	0.582	0.582	0.582
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.10	1.66	1.23	0.80	0.37	-0.06	-0.50	-0.93	-1.36
		Mz	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.00
	TB-450 - C1	N	109.712	109.712	109.712	109.712	109.712	109.712	109.712	109.712	109.712
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-5.901	-5.901	-5.901	-5.901	-5.901	-5.901	-5.901	-5.901	-5.901
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-17.10	-12.72	-8.34	-3.95	0.43	4.81	9.19	13.57	17.95
		Mz	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00
	TB-450 - C2	N	46.289	46.289	46.289	46.289	46.289	46.289	46.289	46.289	46.289

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.743 m	1.485 m	2.228 m	2.970 m	3.713 m	4.455 m	5.198 m	5.940 m
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	-2.489	-2.489	-2.489	-2.489	-2.489	-2.489	-2.489	-2.489	-2.489
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-7.21	-5.36	-3.52	-1.67	0.18	2.03	3.88	5.73	7.57
		Mz	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.00
	TB-450 - D1	N	75.155	75.155	75.155	75.155	75.155	75.155	75.155	75.155	75.155
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-4.731	-4.731	-4.731	-4.731	-4.731	-4.731	-4.731	-4.731	-4.731
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-14.03	-10.51	-7.00	-3.49	0.02	3.54	7.05	10.56	14.07
		Mz	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	31.711	31.711	31.711	31.711	31.711	31.711	31.711	31.711	31.711
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-1.996	-1.996	-1.996	-1.996	-1.996	-1.996	-1.996	-1.996	-1.996
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.92	-4.44	-2.95	-1.47	0.01	1.49	2.97	4.46	5.94
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
	TB-450 - E1	N	25.805	25.805	25.805	25.805	25.805	25.805	25.805	25.805	25.805
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-1.626	-1.626	-1.626	-1.626	-1.626	-1.626	-1.626	-1.626	-1.626
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.83	-3.62	-2.41	-1.21	0.00	1.21	2.42	3.62	4.83
		Mz	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.774 m	1.548 m	2.322 m	3.096 m	3.870 m	4.644 m	5.418 m	6.192 m
N162/N147	Peso próprio	N	-22.756	-21.869	-20.981	-20.094	-19.206	-18.319	-17.432	-16.544	-15.657
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	1.438	1.555	1.671	1.787	1.903	2.019	2.135	2.251	2.367
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.06	4.91	3.66	2.32	0.89	-0.62	-2.23	-3.93	-5.72
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
	LAJE	N	-24.507	-24.507	-24.507	-24.507	-24.507	-24.507	-24.507	-24.507	-24.507
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	4.297	4.297	4.297	4.297	4.297	4.297	4.297	4.297	4.297
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.93	11.61	8.28	4.95	1.63	-1.70	-5.02	-8.35	-11.68
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-13.373	-13.373	-13.373	-13.373	-13.373	-13.373	-13.373	-13.373	-13.373
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.345	2.345	2.345	2.345	2.345	2.345	2.345	2.345	2.345
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.15	6.33	4.52	2.70	0.89	-0.93	-2.74	-4.56	-6.37
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-6.079	-6.079	-6.079	-6.079	-6.079	-6.079	-6.079	-6.079	-6.079
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.066	1.066	1.066	1.066	1.066	1.066	1.066	1.066	1.066
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.70	2.88	2.05	1.23	0.40	-0.42	-1.25	-2.07	-2.90
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Junior
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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.774 m	1.548 m	2.322 m	3.096 m	3.870 m	4.644 m	5.418 m	6.192 m
	GUARDA-RODAS	N	-3.299	-3.299	-3.299	-3.299	-3.299	-3.299	-3.299	-3.299	-3.299
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.579	0.579	0.579	0.579	0.579	0.579	0.579	0.579	0.579
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.01	1.56	1.11	0.67	0.22	-0.23	-0.68	-1.12	-1.57
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-1.669	-1.669	-1.669	-1.669	-1.669	-1.669	-1.669	-1.669	-1.669
		Vy	2.773	2.076	1.379	0.683	-0.014	-0.710	-1.407	-2.103	-2.800
		Vz	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	0.43	0.33	0.23	0.13	0.04	-0.06	-0.16	-0.26	-0.36
		Mz	-0.76	-2.64	-3.98	-4.78	-5.04	-4.76	-3.94	-2.58	-0.68
	Vento 180	N	-0.820	-0.820	-0.820	-0.820	-0.820	-0.820	-0.820	-0.820	-0.820
		Vy	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018
		Vz	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	0.00	-0.01	-0.02	-0.03	-0.04	-0.05	-0.06	-0.07	-0.08
		Mz	0.43	0.44	0.45	0.47	0.48	0.50	0.51	0.52	0.54
	Multidão - Passeio	N	-4.281	-4.281	-4.281	-4.281	-4.281	-4.281	-4.281	-4.281	-4.281
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751	0.751
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.61	2.03	1.45	0.87	0.28	-0.30	-0.88	-1.46	-2.04
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-13.972	-13.972	-13.972	-13.972	-13.972	-13.972	-13.972	-13.972	-13.972
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.450	2.450	2.450	2.450	2.450	2.450	2.450	2.450	2.450
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.51	6.62	4.72	2.82	0.93	-0.97	-2.86	-4.76	-6.66
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	30.233	30.233	30.233	30.233	30.233	30.233	30.233	30.233	30.233
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-1.562	-1.562	-1.562	-1.562	-1.562	-1.562	-1.562	-1.562	-1.562
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.75	-3.54	-2.33	-1.12	0.09	1.30	2.51	3.72	4.92
		Mz	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	12.819	12.819	12.819	12.819	12.819	12.819	12.819	12.819	12.819
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-0.662	-0.662	-0.662	-0.662	-0.662	-0.662	-0.662	-0.662	-0.662
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.01	-1.50	-0.99	-0.48	0.04	0.55	1.06	1.57	2.09
		Mz	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	73.703	73.703	73.703	73.703	73.703	73.703	73.703	73.703	73.703
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-2.963	-2.963	-2.963	-2.963	-2.963	-2.963	-2.963	-2.963	-2.963
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-8.60	-6.30	-4.01	-1.72	0.58	2.87	5.16	7.45	9.75
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	31.239	31.239	31.239	31.239	31.239	31.239	31.239	31.239	31.239
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.257	-1.257	-1.257	-1.257	-1.257	-1.257	-1.257	-1.257	-1.257
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.65	-2.67	-1.70	-0.73	0.24	1.22	2.19	3.16	4.13
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-38.707	-38.707	-38.707	-38.707	-38.707	-38.707	-38.707	-38.707	-38.707
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	3.537	3.537	3.537	3.537	3.537	3.537	3.537	3.537	3.537

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.774 m	1.548 m	2.322 m	3.096 m	3.870 m	4.644 m	5.418 m	6.192 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.93	9.19	6.45	3.72	0.98	-1.76	-4.49	-7.23	-9.97
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-16.237	-16.237	-16.237	-16.237	-16.237	-16.237	-16.237	-16.237	-16.237
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.488	1.488	1.488	1.488	1.488	1.488	1.488	1.488	1.488
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.02	3.87	2.72	1.57	0.42	-0.74	-1.89	-3.04	-4.19
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-68.231	-68.231	-68.231	-68.231	-68.231	-68.231	-68.231	-68.231	-68.231
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	4.181	4.181	4.181	4.181	4.181	4.181	4.181	4.181	4.181
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.04	9.80	6.57	3.33	0.09	-3.14	-6.38	-9.61	-12.85
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-28.755	-28.755	-28.755	-28.755	-28.755	-28.755	-28.755	-28.755	-28.755
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.763	1.763	1.763	1.763	1.763	1.763	1.763	1.763	1.763
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.50	4.13	2.77	1.40	0.04	-1.32	-2.69	-4.05	-5.42
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-23.717	-23.717	-23.717	-23.717	-23.717	-23.717	-23.717	-23.717	-23.717
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.461	1.461	1.461	1.461	1.461	1.461	1.461	1.461	1.461
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.54	3.41	2.28	1.15	0.02	-1.11	-2.24	-3.37	-4.51
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.768 m	1.535 m	2.303 m	3.071 m	3.839 m	4.606 m	5.374 m	6.142 m
N163/N146	Peso próprio	N	19.653	20.533	21.414	22.294	23.174	24.054	24.934	25.814	26.695
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-1.270	-1.154	-1.038	-0.922	-0.807	-0.691	-0.575	-0.460	-0.344
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.55	-1.62	-0.78	-0.03	0.63	1.21	1.70	2.09	2.40
		Mz	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
	LAJE	N	66.726	66.726	66.726	66.726	66.726	66.726	66.726	66.726	66.726
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.336	-1.336	-1.336	-1.336	-1.336	-1.336	-1.336	-1.336	-1.336
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.08	-2.06	-1.03	-0.01	1.02	2.04	3.07	4.09	5.12
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	36.411	36.411	36.411	36.411	36.411	36.411	36.411	36.411	36.411
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.729	-0.729	-0.729	-0.729	-0.729	-0.729	-0.729	-0.729	-0.729
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.68	-1.12	-0.56	0.00	0.56	1.12	1.67	2.23	2.79
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	16.550	16.550	16.550	16.550	16.550	16.550	16.550	16.550	16.550
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.768 m	1.535 m	2.303 m	3.071 m	3.839 m	4.606 m	5.374 m	6.142 m
		Vz	-0.331	-0.331	-0.331	-0.331	-0.331	-0.331	-0.331	-0.331	-0.331
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.76	-0.51	-0.26	0.00	0.25	0.51	0.76	1.02	1.27
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	8.982	8.982	8.982	8.982	8.982	8.982	8.982	8.982	8.982
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.41	-0.28	-0.14	0.00	0.14	0.28	0.41	0.55	0.69
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.538	0.538	0.538	0.538	0.538	0.538	0.538	0.538	0.538
		Vy	-2.712	-2.021	-1.330	-0.639	0.052	0.743	1.434	2.125	2.816
		Vz	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	-0.14	-0.10	-0.05	-0.01	0.04	0.08	0.13	0.17	0.22
		Mz	0.87	2.69	3.97	4.73	4.95	4.65	3.81	2.45	0.55
	Vento 180	N	1.712	1.712	1.712	1.712	1.712	1.712	1.712	1.712	1.712
		Vy	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060
		Vz	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-0.29	-0.23	-0.16	-0.10	-0.04	0.03	0.09	0.15	0.22
		Mz	-0.08	-0.13	-0.18	-0.22	-0.27	-0.31	-0.36	-0.41	-0.45
	Multidão - Passeio	N	11.656	11.656	11.656	11.656	11.656	11.656	11.656	11.656	11.656
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.233	-0.233	-0.233	-0.233	-0.233	-0.233	-0.233	-0.233	-0.233
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.54	-0.36	-0.18	0.00	0.18	0.36	0.54	0.71	0.89
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	38.042	38.042	38.042	38.042	38.042	38.042	38.042	38.042	38.042
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.762	-0.762	-0.762	-0.762	-0.762	-0.762	-0.762	-0.762	-0.762
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.76	-1.17	-0.59	0.00	0.58	1.17	1.75	2.34	2.92
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-24.434	-24.434	-24.434	-24.434	-24.434	-24.434	-24.434	-24.434	-24.434
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.605	1.605	1.605	1.605	1.605	1.605	1.605	1.605	1.605
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.91	3.68	2.45	1.22	-0.02	-1.25	-2.48	-3.71	-4.94
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-10.365	-10.365	-10.365	-10.365	-10.365	-10.365	-10.365	-10.365	-10.365
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.08	1.56	1.04	0.52	-0.01	-0.53	-1.05	-1.57	-2.10
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-60.608	-60.608	-60.608	-60.608	-60.608	-60.608	-60.608	-60.608	-60.608
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	4.009	4.009	4.009	4.009	4.009	4.009	4.009	4.009	4.009
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	12.57	9.50	6.42	3.34	0.26	-2.82	-5.89	-8.97	-12.05
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - B2	N	-25.699	-25.699	-25.699	-25.699	-25.699	-25.699	-25.699	-25.699	-25.699
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.699	1.699	1.699	1.699	1.699	1.699	1.699	1.699	1.699
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.33	4.02	2.72	1.42	0.11	-1.19	-2.50	-3.80	-5.11

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.768 m	1.535 m	2.303 m	3.071 m	3.839 m	4.606 m	5.374 m	6.142 m
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - C1	N	56.513	56.513	56.513	56.513	56.513	56.513	56.513	56.513	56.513
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.01	-2.05	-1.10	-0.14	0.82	1.78	2.74	3.69	4.65
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - C2	N	23.766	23.766	23.766	23.766	23.766	23.766	23.766	23.766	23.766
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.521	-0.521	-0.521	-0.521	-0.521	-0.521	-0.521	-0.521	-0.521
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.25	-0.85	-0.45	-0.05	0.35	0.75	1.15	1.55	1.95
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - D1	N	74.142	74.142	74.142	74.142	74.142	74.142	74.142	74.142	74.142
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-4.276	-4.276	-4.276	-4.276	-4.276	-4.276	-4.276	-4.276	-4.276
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-13.09	-9.81	-6.52	-3.24	0.04	3.32	6.61	9.89	13.17
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - D2	N	31.254	31.254	31.254	31.254	31.254	31.254	31.254	31.254	31.254
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.802	-1.802	-1.802	-1.802	-1.802	-1.802	-1.802	-1.802	-1.802
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.52	-4.13	-2.75	-1.37	0.02	1.40	2.79	4.17	5.55
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - E1	N	26.709	26.709	26.709	26.709	26.709	26.709	26.709	26.709	26.709
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.547	-1.547	-1.547	-1.547	-1.547	-1.547	-1.547	-1.547	-1.547
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.76	-3.57	-2.39	-1.20	-0.01	1.18	2.37	3.55	4.74
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.777 m	1.554 m	2.331 m	3.108 m	3.885 m	4.661 m	5.438 m	6.215 m
N164/N145	Peso próprio	N	8.446	9.337	10.228	11.119	12.010	12.900	13.791	14.682	15.573
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-0.438	-0.322	-0.207	-0.091	0.025	0.140	0.256	0.372	0.487
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.08	0.37	0.58	0.69	0.72	0.66	0.50	0.26	-0.08
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	66.705	66.705	66.705	66.705	66.705	66.705	66.705	66.705	66.705
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-0.960	-0.960	-0.960	-0.960	-0.960	-0.960	-0.960	-0.960	-0.960
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.71	-0.96	-0.22	0.53	1.27	2.02	2.76	3.51	4.25
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01
	PAVIMENTAÇÃO	N	36.399	36.399	36.399	36.399	36.399	36.399	36.399	36.399	36.399
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.524	-0.524	-0.524	-0.524	-0.524	-0.524	-0.524	-0.524	-0.524
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.777 m	1.554 m	2.331 m	3.108 m	3.885 m	4.661 m	5.438 m	6.215 m
		My	-0.93	-0.53	-0.12	0.29	0.69	1.10	1.51	1.91	2.32
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	16.545	16.545	16.545	16.545	16.545	16.545	16.545	16.545	16.545
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.238	-0.238	-0.238	-0.238	-0.238	-0.238	-0.238	-0.238	-0.238
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.42	-0.24	-0.05	0.13	0.32	0.50	0.69	0.87	1.06
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	8.979	8.979	8.979	8.979	8.979	8.979	8.979	8.979	8.979
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.129	-0.129	-0.129	-0.129	-0.129	-0.129	-0.129	-0.129	-0.129
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.23	-0.13	-0.03	0.07	0.17	0.27	0.37	0.47	0.57
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.472	0.472	0.472	0.472	0.472	0.472	0.472	0.472	0.472
		Vy	2.836	2.137	1.438	0.738	0.039	-0.660	-1.359	-2.058	-2.758
		Vz	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	-0.11	-0.07	-0.03	0.01	0.05	0.09	0.13	0.17	0.21
		Mz	-0.82	-2.75	-4.14	-4.99	-5.29	-5.05	-4.26	-2.94	-1.06
	Vento 180	N	-2.738	-2.738	-2.738	-2.738	-2.738	-2.738	-2.738	-2.738	-2.738
		Vy	-0.142	-0.142	-0.142	-0.142	-0.142	-0.142	-0.142	-0.142	-0.142
		Vz	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	0.51	0.37	0.23	0.09	-0.05	-0.19	-0.33	-0.47	-0.61
		Mz	0.02	0.13	0.24	0.35	0.46	0.57	0.68	0.79	0.90
	Multidão - Passeio	N	11.651	11.651	11.651	11.651	11.651	11.651	11.651	11.651	11.651
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.167	-0.167	-0.167	-0.167	-0.167	-0.167	-0.167	-0.167	-0.167
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.30	-0.17	-0.04	0.09	0.22	0.35	0.48	0.61	0.74
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	38.031	38.031	38.031	38.031	38.031	38.031	38.031	38.031	38.031
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.547	-0.547	-0.547	-0.547	-0.547	-0.547	-0.547	-0.547	-0.547
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.98	-0.55	-0.12	0.30	0.73	1.15	1.58	2.00	2.43
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	27.042	27.042	27.042	27.042	27.042	27.042	27.042	27.042	27.042
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-1.461	-1.461	-1.461	-1.461	-1.461	-1.461	-1.461	-1.461	-1.461
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.52	-3.39	-2.25	-1.12	0.02	1.15	2.29	3.42	4.56
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	11.473	11.473	11.473	11.473	11.473	11.473	11.473	11.473	11.473
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-0.620	-0.620	-0.620	-0.620	-0.620	-0.620	-0.620	-0.620	-0.620
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.92	-1.44	-0.96	-0.47	0.01	0.49	0.97	1.45	1.93
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	75.024	75.024	75.024	75.024	75.024	75.024	75.024	75.024	75.024
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-4.033	-4.033	-4.033	-4.033	-4.033	-4.033	-4.033	-4.033	-4.033
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-12.42	-9.28	-6.15	-3.02	0.12	3.25	6.38	9.52	12.65
		Mz	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.01
	TB-450 - B2	N	31.814	31.814	31.814	31.814	31.814	31.814	31.814	31.814	31.814

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.777 m	1.554 m	2.331 m	3.108 m	3.885 m	4.661 m	5.438 m	6.215 m
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	-1.711	-1.711	-1.711	-1.711	-1.711	-1.711	-1.711	-1.711	-1.711
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.27	-3.94	-2.61	-1.28	0.05	1.38	2.71	4.04	5.37
		Mz	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	56.070	56.070	56.070	56.070	56.070	56.070	56.070	56.070	56.070
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-1.070	-1.070	-1.070	-1.070	-1.070	-1.070	-1.070	-1.070	-1.070
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.43	-1.60	-0.76	0.07	0.90	1.73	2.56	3.39	4.22
		Mz	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.01	0.01	0.01
	TB-450 - C2	N	23.810	23.810	23.810	23.810	23.810	23.810	23.810	23.810	23.810
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	-0.459	-0.459	-0.459	-0.459	-0.459	-0.459	-0.459	-0.459	-0.459
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.05	-0.69	-0.33	0.02	0.38	0.74	1.09	1.45	1.81
		Mz	0.01	0.01	0.01	0.00	0.00	0.00	-0.01	-0.01	-0.01
	TB-450 - D1	N	-61.540	-61.540	-61.540	-61.540	-61.540	-61.540	-61.540	-61.540	-61.540
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	3.961	3.961	3.961	3.961	3.961	3.961	3.961	3.961	3.961
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	12.64	9.56	6.49	3.41	0.33	-2.75	-5.82	-8.90	-11.98
		Mz	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01
	TB-450 - D2	N	-25.910	-25.910	-25.910	-25.910	-25.910	-25.910	-25.910	-25.910	-25.910
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	1.668	1.668	1.668	1.668	1.668	1.668	1.668	1.668	1.668
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.32	4.03	2.73	1.44	0.14	-1.16	-2.45	-3.75	-5.04
		Mz	0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
	TB-450 - E1	N	-24.785	-24.785	-24.785	-24.785	-24.785	-24.785	-24.785	-24.785	-24.785
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	1.582	1.582	1.582	1.582	1.582	1.582	1.582	1.582	1.582
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.93	3.70	2.47	1.24	0.01	-1.22	-2.45	-3.68	-4.91
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.763 m	1.527 m	2.290 m	3.054 m	3.817 m	4.581 m	5.344 m	6.107 m
N226/N243	Peso próprio	N	-3.211	-2.336	-1.461	-0.586	0.290	1.165	2.040	2.915	3.790
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	0.612	0.728	0.844	0.960	1.076	1.192	1.307	1.423	1.539
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.42	2.90	2.30	1.61	0.84	-0.03	-0.98	-2.02	-3.15
		Mz	-0.02	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.01	0.01
	LAJE	N	-5.453	-5.453	-5.453	-5.453	-5.453	-5.453	-5.453	-5.453	-5.453
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	4.144	4.144	4.144	4.144	4.144	4.144	4.144	4.144	4.144
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.20	11.04	7.87	4.71	1.55	-1.62	-4.78	-7.94	-11.11
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.763 m	1.527 m	2.290 m	3.054 m	3.817 m	4.581 m	5.344 m	6.107 m
	PAVIMENTAÇÃO	N	-2.976	-2.976	-2.976	-2.976	-2.976	-2.976	-2.976	-2.976	-2.976
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.261	2.261	2.261	2.261	2.261	2.261	2.261	2.261	2.261
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.75	6.02	4.30	2.57	0.84	-0.88	-2.61	-4.33	-6.06
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-1.353	-1.353	-1.353	-1.353	-1.353	-1.353	-1.353	-1.353	-1.353
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.028
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.52	2.74	1.95	1.17	0.38	-0.40	-1.19	-1.97	-2.76
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.733	-0.733	-0.733	-0.733	-0.733	-0.733	-0.733	-0.733	-0.733
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.558	0.558	0.558	0.558	0.558	0.558	0.558	0.558	0.558
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.91	1.49	1.06	0.63	0.21	-0.22	-0.64	-1.07	-1.50
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-1.812	-1.812	-1.812	-1.812	-1.812	-1.812	-1.812	-1.812	-1.812
		Vy	-2.843	-2.156	-1.469	-0.782	-0.095	0.592	1.279	1.966	2.654
		Vz	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	0.52	0.40	0.28	0.16	0.04	-0.08	-0.20	-0.32	-0.44
		Mz	0.67	2.58	3.96	4.82	5.16	4.97	4.25	3.01	1.25
	Vento 180	N	3.895	3.895	3.895	3.895	3.895	3.895	3.895	3.895	3.895
		Vy	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140
		Vz	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	-0.90	-0.68	-0.47	-0.25	-0.04	0.18	0.39	0.61	0.82
		Mz	-0.20	-0.31	-0.42	-0.52	-0.63	-0.74	-0.84	-0.95	-1.06
	Multidão - Passeio	N	-0.950	-0.950	-0.950	-0.950	-0.950	-0.950	-0.950	-0.950	-0.950
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.724	0.724	0.724	0.724	0.724	0.724	0.724	0.724	0.724
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.48	1.93	1.38	0.82	0.27	-0.28	-0.84	-1.39	-1.94
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-3.112	-3.112	-3.112	-3.112	-3.112	-3.112	-3.112	-3.112	-3.112
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.362	2.362	2.362	2.362	2.362	2.362	2.362	2.362	2.362
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.10	6.29	4.49	2.69	0.88	-0.92	-2.72	-4.53	-6.33
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-21.926	-21.926	-21.926	-21.926	-21.926	-21.926	-21.926	-21.926	-21.926
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	1.486	1.486	1.486	1.486	1.486	1.486	1.486	1.486	1.486
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.55	3.42	2.28	1.15	0.01	-1.12	-2.25	-3.39	-4.52
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
	TB-450 - A2	N	-9.308	-9.308	-9.308	-9.308	-9.308	-9.308	-9.308	-9.308	-9.308
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.93	1.45	0.97	0.49	0.01	-0.48	-0.96	-1.44	-1.92
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	TB-450 - B1	N	-63.002	-63.002	-63.002	-63.002	-63.002	-63.002	-63.002	-63.002	-63.002
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	4.247	4.247	4.247	4.247	4.247	4.247	4.247	4.247	4.247

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.763 m	1.527 m	2.290 m	3.054 m	3.817 m	4.581 m	5.344 m	6.107 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.05	9.81	6.56	3.32	0.08	-3.16	-6.41	-9.65	-12.89
		Mz	0.02	0.01	0.01	0.00	0.00	-0.01	-0.01	-0.02	-0.02
	TB-450 - B2	N	-26.731	-26.731	-26.731	-26.731	-26.731	-26.731	-26.731	-26.731	-26.731
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	1.802	1.802	1.802	1.802	1.802	1.802	1.802	1.802	1.802
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.54	4.16	2.79	1.41	0.03	-1.34	-2.72	-4.09	-5.47
		Mz	-0.02	-0.01	-0.01	0.00	0.00	0.00	0.01	0.01	0.02
	TB-450 - C1	N	-30.986	-30.986	-30.986	-30.986	-30.986	-30.986	-30.986	-30.986	-30.986
		Vy	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
		Vz	3.530	3.530	3.530	3.530	3.530	3.530	3.530	3.530	3.530
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.74	9.04	6.35	3.65	0.96	-1.74	-4.43	-7.13	-9.82
		Mz	0.03	0.02	0.01	0.01	0.00	-0.01	-0.02	-0.02	-0.03
	TB-450 - C2	N	-13.214	-13.214	-13.214	-13.214	-13.214	-13.214	-13.214	-13.214	-13.214
		Vy	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		Vz	1.499	1.499	1.499	1.499	1.499	1.499	1.499	1.499	1.499
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.98	3.84	2.70	1.55	0.41	-0.74	-1.88	-3.03	-4.17
		Mz	-0.03	-0.02	-0.01	-0.01	0.00	0.01	0.01	0.02	0.03
	TB-450 - D1	N	78.476	78.476	78.476	78.476	78.476	78.476	78.476	78.476	78.476
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	-3.154	-3.154	-3.154	-3.154	-3.154	-3.154	-3.154	-3.154	-3.154
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-9.09	-6.68	-4.27	-1.86	0.54	2.95	5.36	7.77	10.18
		Mz	0.01	0.01	0.01	0.00	0.00	-0.01	-0.01	-0.01	-0.02
	TB-450 - D2	N	33.065	33.065	33.065	33.065	33.065	33.065	33.065	33.065	33.065
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	-1.326	-1.326	-1.326	-1.326	-1.326	-1.326	-1.326	-1.326	-1.326
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.82	-2.81	-1.79	-0.78	0.23	1.24	2.26	3.27	4.28
		Mz	-0.01	-0.01	-0.01	0.00	0.00	0.01	0.01	0.01	0.02
	TB-450 - E1	N	31.802	31.802	31.802	31.802	31.802	31.802	31.802	31.802	31.802
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	-1.650	-1.650	-1.650	-1.650	-1.650	-1.650	-1.650	-1.650	-1.650
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.97	-3.71	-2.45	-1.19	0.07	1.33	2.59	3.85	5.11
		Mz	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	-0.01
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.741 m	1.481 m	2.222 m	2.963 m	3.703 m	4.444 m	5.184 m	5.925 m
N227/N242	Peso próprio	N	47.182	48.030	48.879	49.727	50.576	51.424	52.273	53.121	53.970
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	-3.005	-2.889	-2.773	-2.657	-2.541	-2.425	-2.309	-2.193	-2.077
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-7.47	-5.29	-3.19	-1.18	0.74	2.58	4.34	6.00	7.58
		Mz	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.00
	LAJE	N	176.850	176.850	176.850	176.850	176.850	176.850	176.850	176.850	176.850
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.741 m	1.481 m	2.222 m	2.963 m	3.703 m	4.444 m	5.184 m	5.925 m
		Vz	-8.319	-8.319	-8.319	-8.319	-8.319	-8.319	-8.319	-8.319	-8.319
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-23.29	-17.13	-10.96	-4.80	1.36	7.52	13.68	19.84	26.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	96.502	96.502	96.502	96.502	96.502	96.502	96.502	96.502	96.502
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-4.539	-4.539	-4.539	-4.539	-4.539	-4.539	-4.539	-4.539	-4.539
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-12.71	-9.34	-5.98	-2.62	0.74	4.10	7.47	10.83	14.19
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	43.865	43.865	43.865	43.865	43.865	43.865	43.865	43.865	43.865
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-2.063	-2.063	-2.063	-2.063	-2.063	-2.063	-2.063	-2.063	-2.063
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.78	-4.25	-2.72	-1.19	0.34	1.87	3.39	4.92	6.45
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	23.809	23.809	23.809	23.809	23.809	23.809	23.809	23.809	23.809
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.120	-1.120	-1.120	-1.120	-1.120	-1.120	-1.120	-1.120	-1.120
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.13	-2.31	-1.48	-0.65	0.18	1.01	1.84	2.67	3.50
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	6.210	6.210	6.210	6.210	6.210	6.210	6.210	6.210	6.210
		Vy	2.596	1.929	1.262	0.596	-0.071	-0.737	-1.404	-2.070	-2.737
		Vz	-0.325	-0.325	-0.325	-0.325	-0.325	-0.325	-0.325	-0.325	-0.325
		Mt	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		My	-0.92	-0.68	-0.44	-0.20	0.04	0.28	0.52	0.76	1.00
		Mz	-0.36	-2.04	-3.22	-3.91	-4.10	-3.80	-3.01	-1.72	0.06
	Vento 180	N	-8.059	-8.059	-8.059	-8.059	-8.059	-8.059	-8.059	-8.059	-8.059
		Vy	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		Vz	0.448	0.448	0.448	0.448	0.448	0.448	0.448	0.448	0.448
		Mt	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		My	1.29	0.96	0.63	0.29	-0.04	-0.37	-0.70	-1.03	-1.37
		Mz	-0.17	-0.16	-0.15	-0.14	-0.13	-0.12	-0.11	-0.10	-0.09
	Multidão - Passeio	N	30.897	30.897	30.897	30.897	30.897	30.897	30.897	30.897	30.897
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.453	-1.453	-1.453	-1.453	-1.453	-1.453	-1.453	-1.453	-1.453
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.07	-2.99	-1.92	-0.84	0.24	1.31	2.39	3.47	4.54
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	100.819	100.819	100.819	100.819	100.819	100.819	100.819	100.819	100.819
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-4.743	-4.743	-4.743	-4.743	-4.743	-4.743	-4.743	-4.743	-4.743
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-13.28	-9.76	-6.25	-2.74	0.77	4.29	7.80	11.31	14.82
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	26.441	26.441	26.441	26.441	26.441	26.441	26.441	26.441	26.441
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-1.609	-1.609	-1.609	-1.609	-1.609	-1.609	-1.609	-1.609	-1.609
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.76	-3.56	-2.37	-1.18	0.01	1.20	2.39	3.59	4.78
		Mz	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	11.245	11.245	11.245	11.245	11.245	11.245	11.245	11.245	11.245
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-0.684	-0.684	-0.684	-0.684	-0.684	-0.684	-0.684	-0.684	-0.684
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.02	-1.51	-1.01	-0.50	0.00	0.51	1.02	1.52	2.03

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.741 m	1.481 m	2.222 m	2.963 m	3.703 m	4.444 m	5.184 m	5.925 m
		Mz	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	76.887	76.887	76.887	76.887	76.887	76.887	76.887	76.887	76.887
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	-4.674	-4.674	-4.674	-4.674	-4.674	-4.674	-4.674	-4.674	-4.674
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-13.80	-10.33	-6.87	-3.41	0.05	3.51	6.97	10.44	13.90
		Mz	-0.04	-0.04	-0.03	-0.03	-0.02	-0.02	-0.01	-0.01	0.00
	TB-450 - B2	N	32.664	32.664	32.664	32.664	32.664	32.664	32.664	32.664	32.664
		Vy	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vz	-1.986	-1.986	-1.986	-1.986	-1.986	-1.986	-1.986	-1.986	-1.986
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.86	-4.39	-2.92	-1.45	0.02	1.49	2.96	4.43	5.90
		Mz	0.04	0.04	0.03	0.03	0.02	0.02	0.01	0.01	0.00
	TB-450 - C1	N	111.598	111.598	111.598	111.598	111.598	111.598	111.598	111.598	111.598
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	-5.796	-5.796	-5.796	-5.796	-5.796	-5.796	-5.796	-5.796	-5.796
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-16.71	-12.41	-8.12	-3.83	0.47	4.76	9.05	13.34	17.64
		Mz	-0.05	-0.04	-0.04	-0.03	-0.03	-0.02	-0.01	-0.01	0.00
	TB-450 - C2	N	47.318	47.318	47.318	47.318	47.318	47.318	47.318	47.318	47.318
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	-2.460	-2.460	-2.460	-2.460	-2.460	-2.460	-2.460	-2.460	-2.460
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-7.09	-5.27	-3.45	-1.62	0.20	2.02	3.84	5.66	7.48
		Mz	0.05	0.04	0.04	0.03	0.03	0.02	0.01	0.01	0.00
	TB-450 - D1	N	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	1.419	1.419	1.419	1.419	1.419	1.419	1.419	1.419	1.419
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.11	4.06	3.01	1.96	0.90	-0.15	-1.20	-2.25	-3.30
		Mz	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	0.00
	TB-450 - D2	N	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.13	1.69	1.26	0.82	0.38	-0.05	-0.49	-0.93	-1.37
		Mz	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.00	0.00
	TB-450 - E1	N	-24.398	-24.398	-24.398	-24.398	-24.398	-24.398	-24.398	-24.398	-24.398
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	1.697	1.697	1.697	1.697	1.697	1.697	1.697	1.697	1.697
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.06	3.81	2.55	1.29	0.03	-1.22	-2.48	-3.74	-4.99
		Mz	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.761 m	1.521 m	2.282 m	3.043 m	3.803 m	4.564 m	5.325 m	6.085 m
N216/N241	Peso próprio	N	-67.298	-66.426	-65.554	-64.682	-63.811	-62.939	-62.067	-61.195	-60.323
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	3.360	3.476	3.592	3.708	3.824	3.940	4.056	4.172	4.288
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.761 m	1.521 m	2.282 m	3.043 m	3.803 m	4.564 m	5.325 m	6.085 m
		My	11.84	9.24	6.55	3.77	0.91	-2.04	-5.09	-8.22	-11.43
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-175.004	-175.004	-175.004	-175.004	-175.004	-175.004	-175.004	-175.004	-175.004
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	11.635	11.635	11.635	11.635	11.635	11.635	11.635	11.635	11.635
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	37.03	28.18	19.33	10.48	1.63	-7.22	-16.07	-24.92	-33.77
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-95.495	-95.495	-95.495	-95.495	-95.495	-95.495	-95.495	-95.495	-95.495
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	6.349	6.349	6.349	6.349	6.349	6.349	6.349	6.349	6.349
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	20.21	15.38	10.55	5.72	0.89	-3.94	-8.77	-13.60	-18.43
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-43.407	-43.407	-43.407	-43.407	-43.407	-43.407	-43.407	-43.407	-43.407
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.886	2.886	2.886	2.886	2.886	2.886	2.886	2.886	2.886
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.19	6.99	4.80	2.60	0.40	-1.79	-3.99	-6.18	-8.38
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-23.560	-23.560	-23.560	-23.560	-23.560	-23.560	-23.560	-23.560	-23.560
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.567	1.567	1.567	1.567	1.567	1.567	1.567	1.567	1.567
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.99	3.79	2.60	1.41	0.22	-0.97	-2.16	-3.36	-4.55
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-6.433	-6.433	-6.433	-6.433	-6.433	-6.433	-6.433	-6.433	-6.433
		Vy	-2.612	-1.927	-1.242	-0.558	0.127	0.811	1.496	2.181	2.865
		Vz	0.355	0.355	0.355	0.355	0.355	0.355	0.355	0.355	0.355
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	1.11	0.84	0.57	0.30	0.03	-0.24	-0.51	-0.78	-1.05
		Mz	0.86	2.59	3.80	4.48	4.64	4.29	3.41	2.01	0.09
	Vento 180	N	8.314	8.314	8.314	8.314	8.314	8.314	8.314	8.314	8.314
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-0.465	-0.465	-0.465	-0.465	-0.465	-0.465	-0.465	-0.465	-0.465
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	-1.44	-1.08	-0.73	-0.38	-0.02	0.33	0.68	1.04	1.39
		Mz	-0.12	-0.12	-0.12	-0.12	-0.12	-0.13	-0.13	-0.13	-0.13
	Multidão - Passeio	N	-30.573	-30.573	-30.573	-30.573	-30.573	-30.573	-30.573	-30.573	-30.573
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.033	2.033	2.033	2.033	2.033	2.033	2.033	2.033	2.033
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.47	4.92	3.38	1.83	0.28	-1.26	-2.81	-4.35	-5.90
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-99.769	-99.769	-99.769	-99.769	-99.769	-99.769	-99.769	-99.769	-99.769
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	6.632	6.632	6.632	6.632	6.632	6.632	6.632	6.632	6.632
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	21.11	16.07	11.02	5.98	0.93	-4.12	-9.16	-14.21	-19.25
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-26.248	-26.248	-26.248	-26.248	-26.248	-26.248	-26.248	-26.248	-26.248
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.519	1.519	1.519	1.519	1.519	1.519	1.519	1.519	1.519
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.64	3.49	2.33	1.18	0.02	-1.13	-2.29	-3.44	-4.60
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-11.163	-11.163	-11.163	-11.163	-11.163	-11.163	-11.163	-11.163	-11.163
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.98	1.48	0.99	0.50	0.01	-0.48	-0.97	-1.47	-1.96

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.761 m	1.521 m	2.282 m	3.043 m	3.803 m	4.564 m	5.325 m	6.085 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-76.780	-76.780	-76.780	-76.780	-76.780	-76.780	-76.780	-76.780	-76.780
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	4.438	4.438	4.438	4.438	4.438	4.438	4.438	4.438	4.438
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.57	10.20	6.82	3.44	0.07	-3.31	-6.69	-10.06	-13.44
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-32.623	-32.623	-32.623	-32.623	-32.623	-32.623	-32.623	-32.623	-32.623
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.885	1.885	1.885	1.885	1.885	1.885	1.885	1.885	1.885
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.76	4.33	2.90	1.46	0.03	-1.40	-2.84	-4.27	-5.71
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-114.306	-114.306	-114.306	-114.306	-114.306	-114.306	-114.306	-114.306	-114.306
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	6.582	6.582	6.582	6.582	6.582	6.582	6.582	6.582	6.582
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	20.47	15.46	10.46	5.45	0.44	-4.56	-9.57	-14.58	-19.58
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-48.467	-48.467	-48.467	-48.467	-48.467	-48.467	-48.467	-48.467	-48.467
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.790	2.790	2.790	2.790	2.790	2.790	2.790	2.790	2.790
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.68	6.55	4.43	2.31	0.19	-1.93	-4.06	-6.18	-8.30
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	5.018	5.018	5.018	5.018	5.018	5.018	5.018	5.018	5.018
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.382	1.382	1.382	1.382	1.382	1.382	1.382	1.382	1.382
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.27	4.22	3.17	2.12	1.07	0.02	-1.04	-2.09	-3.14
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	1.967	1.967	1.967	1.967	1.967	1.967	1.967	1.967	1.967
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.25	1.80	1.35	0.90	0.45	0.00	-0.45	-0.90	-1.35
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	23.653	23.653	23.653	23.653	23.653	23.653	23.653	23.653	23.653
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.373	-1.373	-1.373	-1.373	-1.373	-1.373	-1.373	-1.373	-1.373
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.01	-2.97	-1.92	-0.88	0.16	1.21	2.25	3.30	4.34
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.742 m	1.485 m	2.227 m	2.969 m	3.712 m	4.454 m	5.196 m	5.939 m
N217/N240	Peso próprio	N	84.850	85.701	86.551	87.402	88.252	89.103	89.953	90.804	91.654
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-5.948	-5.832	-5.716	-5.600	-5.484	-5.369	-5.253	-5.137	-5.021
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-16.16	-11.79	-7.50	-3.30	0.81	4.84	8.79	12.64	16.41
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.742 m	1.485 m	2.227 m	2.969 m	3.712 m	4.454 m	5.196 m	5.939 m
	LAJE	N	276.829	276.829	276.829	276.829	276.829	276.829	276.829	276.829	276.829
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-15.973	-15.973	-15.973	-15.973	-15.973	-15.973	-15.973	-15.973	-15.973
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-46.15	-34.30	-22.44	-10.58	1.28	13.13	24.99	36.85	48.71
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	151.056	151.056	151.056	151.056	151.056	151.056	151.056	151.056	151.056
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-8.716	-8.716	-8.716	-8.716	-8.716	-8.716	-8.716	-8.716	-8.716
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-25.18	-18.71	-12.24	-5.77	0.70	7.17	13.64	20.11	26.58
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	68.662	68.662	68.662	68.662	68.662	68.662	68.662	68.662	68.662
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-3.962	-3.962	-3.962	-3.962	-3.962	-3.962	-3.962	-3.962	-3.962
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-11.45	-8.51	-5.57	-2.62	0.32	3.26	6.20	9.14	12.08
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	37.276	37.276	37.276	37.276	37.276	37.276	37.276	37.276	37.276
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-2.151	-2.151	-2.151	-2.151	-2.151	-2.151	-2.151	-2.151	-2.151
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-6.21	-4.62	-3.02	-1.42	0.17	1.77	3.36	4.96	6.56
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	5.839	5.839	5.839	5.839	5.839	5.839	5.839	5.839	5.839
		Vy	2.562	1.894	1.226	0.558	-0.110	-0.778	-1.446	-2.115	-2.783
		Vz	-0.410	-0.410	-0.410	-0.410	-0.410	-0.410	-0.410	-0.410	-0.410
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	-1.22	-0.91	-0.61	-0.30	0.00	0.31	0.61	0.91	1.22
		Mz	-0.65	-2.31	-3.47	-4.13	-4.30	-3.97	-3.14	-1.82	0.00
	Vento 180	N	-7.667	-7.667	-7.667	-7.667	-7.667	-7.667	-7.667	-7.667	-7.667
		Vy	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022
		Vz	0.524	0.524	0.524	0.524	0.524	0.524	0.524	0.524	0.524
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	1.55	1.16	0.78	0.39	0.00	-0.39	-0.78	-1.17	-1.56
		Mz	-0.15	-0.13	-0.12	-0.10	-0.08	-0.07	-0.05	-0.04	-0.02
	Multidão - Passeio	N	48.387	48.387	48.387	48.387	48.387	48.387	48.387	48.387	48.387
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-2.791	-2.791	-2.791	-2.791	-2.791	-2.791	-2.791	-2.791	-2.791
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-8.07	-5.99	-3.92	-1.85	0.22	2.30	4.37	6.44	8.51
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	157.783	157.783	157.783	157.783	157.783	157.783	157.783	157.783	157.783
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-9.105	-9.105	-9.105	-9.105	-9.105	-9.105	-9.105	-9.105	-9.105
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-26.31	-19.55	-12.79	-6.03	0.73	7.49	14.25	21.00	27.76
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	25.238	25.238	25.238	25.238	25.238	25.238	25.238	25.238	25.238
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.623	-1.623	-1.623	-1.623	-1.623	-1.623	-1.623	-1.623	-1.623
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.81	-3.60	-2.40	-1.19	0.01	1.21	2.42	3.62	4.83
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	10.758	10.758	10.758	10.758	10.758	10.758	10.758	10.758	10.758
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.691	-0.691	-0.691	-0.691	-0.691	-0.691	-0.691	-0.691	-0.691

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.742 m	1.485 m	2.227 m	2.969 m	3.712 m	4.454 m	5.196 m	5.939 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.05	-1.53	-1.02	-0.51	0.00	0.52	1.03	1.54	2.06
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	73.883	73.883	73.883	73.883	73.883	73.883	73.883	73.883	73.883
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-4.753	-4.753	-4.753	-4.753	-4.753	-4.753	-4.753	-4.753	-4.753
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-14.08	-10.55	-7.02	-3.50	0.03	3.56	7.09	10.62	14.15
		Mz	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	31.352	31.352	31.352	31.352	31.352	31.352	31.352	31.352	31.352
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-2.018	-2.018	-2.018	-2.018	-2.018	-2.018	-2.018	-2.018	-2.018
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.98	-4.48	-2.98	-1.48	0.01	1.51	3.01	4.51	6.01
		Mz	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	117.403	117.403	117.403	117.403	117.403	117.403	117.403	117.403	117.403
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-7.542	-7.542	-7.542	-7.542	-7.542	-7.542	-7.542	-7.542	-7.542
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-22.27	-16.67	-11.07	-5.47	0.13	5.72	11.32	16.92	22.52
		Mz	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	49.707	49.707	49.707	49.707	49.707	49.707	49.707	49.707	49.707
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-3.195	-3.195	-3.195	-3.195	-3.195	-3.195	-3.195	-3.195	-3.195
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-9.44	-7.06	-4.69	-2.32	0.05	2.43	4.80	7.17	9.54
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	98.741	98.741	98.741	98.741	98.741	98.741	98.741	98.741	98.741
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-4.382	-4.382	-4.382	-4.382	-4.382	-4.382	-4.382	-4.382	-4.382
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-12.08	-8.83	-5.58	-2.32	0.93	4.18	7.44	10.69	13.94
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	41.745	41.745	41.745	41.745	41.745	41.745	41.745	41.745	41.745
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-1.857	-1.857	-1.857	-1.857	-1.857	-1.857	-1.857	-1.857	-1.857
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.12	-3.74	-2.36	-0.99	0.39	1.77	3.15	4.53	5.91
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-16.491	-16.491	-16.491	-16.491	-16.491	-16.491	-16.491	-16.491	-16.491
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.066	1.066	1.066	1.066	1.066	1.066	1.066	1.066	1.066
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.44	2.65	1.86	1.07	0.28	-0.51	-1.30	-2.09	-2.88
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.762 m	1.525 m	2.287 m	3.050 m	3.812 m	4.574 m	5.337 m	6.099 m
N214/N239	Peso próprio	N	-103.797	-102.923	-102.049	-101.175	-100.301	-99.427	-98.553	-97.679	-96.806
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.762 m	1.525 m	2.287 m	3.050 m	3.812 m	4.574 m	5.337 m	6.099 m
		Vz	5.781	5.897	6.013	6.129	6.245	6.361	6.477	6.592	6.708
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	18.91	14.46	9.92	5.29	0.57	-4.23	-9.12	-14.11	-19.18
		Mz	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-272.046	-272.046	-272.046	-272.046	-272.046	-272.046	-272.046	-272.046	-272.046
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	17.224	17.224	17.224	17.224	17.224	17.224	17.224	17.224	17.224
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	53.10	39.97	26.84	13.70	0.57	-12.56	-25.69	-38.82	-51.95
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-148.446	-148.446	-148.446	-148.446	-148.446	-148.446	-148.446	-148.446	-148.446
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	9.399	9.399	9.399	9.399	9.399	9.399	9.399	9.399	9.399
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	28.98	21.81	14.64	7.48	0.31	-6.85	-14.02	-21.18	-28.35
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-67.475	-67.475	-67.475	-67.475	-67.475	-67.475	-67.475	-67.475	-67.475
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	4.272	4.272	4.272	4.272	4.272	4.272	4.272	4.272	4.272
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.17	9.91	6.66	3.40	0.14	-3.11	-6.37	-9.63	-12.89
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-36.632	-36.632	-36.632	-36.632	-36.632	-36.632	-36.632	-36.632	-36.632
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.319	2.319	2.319	2.319	2.319	2.319	2.319	2.319	2.319
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.15	5.38	3.61	1.85	0.08	-1.69	-3.46	-5.23	-7.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-5.929	-5.929	-5.929	-5.929	-5.929	-5.929	-5.929	-5.929	-5.929
		Vy	-2.620	-1.934	-1.248	-0.561	0.125	0.811	1.497	2.183	2.869
		Vz	0.332	0.332	0.332	0.332	0.332	0.332	0.332	0.332	0.332
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.99	0.74	0.49	0.24	-0.02	-0.27	-0.52	-0.78	-1.03
		Mz	0.77	2.50	3.72	4.40	4.57	4.21	3.33	1.93	0.01
	Vento 180	N	7.711	7.711	7.711	7.711	7.711	7.711	7.711	7.711	7.711
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-0.440	-0.440	-0.440	-0.440	-0.440	-0.440	-0.440	-0.440	-0.440
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.32	-0.99	-0.65	-0.32	0.02	0.35	0.69	1.03	1.36
		Mz	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.03	-0.03	-0.03
	Multidão - Passeio	N	-47.550	-47.550	-47.550	-47.550	-47.550	-47.550	-47.550	-47.550	-47.550
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	3.011	3.011	3.011	3.011	3.011	3.011	3.011	3.011	3.011
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.28	6.99	4.69	2.40	0.10	-2.20	-4.49	-6.79	-9.08
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-155.057	-155.057	-155.057	-155.057	-155.057	-155.057	-155.057	-155.057	-155.057
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	9.817	9.817	9.817	9.817	9.817	9.817	9.817	9.817	9.817
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	30.27	22.78	15.30	7.81	0.33	-7.16	-14.64	-22.13	-29.61
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-24.965	-24.965	-24.965	-24.965	-24.965	-24.965	-24.965	-24.965	-24.965
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.447	1.447	1.447	1.447	1.447	1.447	1.447	1.447	1.447
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.37	3.27	2.17	1.06	-0.04	-1.14	-2.25	-3.35	-4.45
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-10.641	-10.641	-10.641	-10.641	-10.641	-10.641	-10.641	-10.641	-10.641
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.617	0.617	0.617	0.617	0.617	0.617	0.617	0.617	0.617

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.762 m	1.525 m	2.287 m	3.050 m	3.812 m	4.574 m	5.337 m	6.099 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.86	1.39	0.92	0.45	-0.02	-0.49	-0.96	-1.43	-1.90
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-73.146	-73.146	-73.146	-73.146	-73.146	-73.146	-73.146	-73.146	-73.146
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	4.240	4.240	4.240	4.240	4.240	4.240	4.240	4.240	4.240
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	12.81	9.58	6.35	3.12	-0.12	-3.35	-6.58	-9.81	-13.05
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-31.043	-31.043	-31.043	-31.043	-31.043	-31.043	-31.043	-31.043	-31.043
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.799	1.799	1.799	1.799	1.799	1.799	1.799	1.799	1.799
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.44	4.07	2.69	1.32	-0.05	-1.42	-2.79	-4.16	-5.54
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-119.194	-119.194	-119.194	-119.194	-119.194	-119.194	-119.194	-119.194	-119.194
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	6.878	6.878	6.878	6.878	6.878	6.878	6.878	6.878	6.878
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	20.82	15.58	10.34	5.09	-0.15	-5.40	-10.64	-15.88	-21.13
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-50.467	-50.467	-50.467	-50.467	-50.467	-50.467	-50.467	-50.467	-50.467
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.912	2.912	2.912	2.912	2.912	2.912	2.912	2.912	2.912
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.82	6.60	4.38	2.16	-0.06	-2.28	-4.51	-6.73	-8.95
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-93.124	-93.124	-93.124	-93.124	-93.124	-93.124	-93.124	-93.124	-93.124
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	6.237	6.237	6.237	6.237	6.237	6.237	6.237	6.237	6.237
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	19.67	14.91	10.16	5.40	0.65	-4.11	-8.87	-13.62	-18.38
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-39.381	-39.381	-39.381	-39.381	-39.381	-39.381	-39.381	-39.381	-39.381
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	2.636	2.636	2.636	2.636	2.636	2.636	2.636	2.636	2.636
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.31	6.30	4.29	2.28	0.27	-1.74	-3.75	-5.76	-7.77
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	16.830	16.830	16.830	16.830	16.830	16.830	16.830	16.830	16.830
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.211	-0.211	-0.211	-0.211	-0.211	-0.211	-0.211	-0.211	-0.211
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.36	-0.20	-0.04	0.12	0.28	0.44	0.61	0.77	0.93
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.744 m	1.488 m	2.232 m	2.976 m	3.720 m	4.464 m	5.208 m	5.953 m
N215/N238	Peso próprio	N	128.654	129.506	130.359	131.211	132.064	132.916	133.769	134.621	135.474
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-7.772	-7.656	-7.540	-7.424	-7.308	-7.192	-7.076	-6.960	-6.844
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.744 m	1.488 m	2.232 m	2.976 m	3.720 m	4.464 m	5.208 m	5.953 m
		My	-22.07	-16.33	-10.68	-5.11	0.37	5.76	11.07	16.29	21.43
		Mz	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	LAJE	N	341.514	341.514	341.514	341.514	341.514	341.514	341.514	341.514	341.514
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-18.845	-18.845	-18.845	-18.845	-18.845	-18.845	-18.845	-18.845	-18.845
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-56.46	-42.43	-28.41	-14.39	-0.37	13.65	27.68	41.70	55.72
		Mz	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	186.353	186.353	186.353	186.353	186.353	186.353	186.353	186.353	186.353
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-10.283	-10.283	-10.283	-10.283	-10.283	-10.283	-10.283	-10.283	-10.283
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-30.81	-23.16	-15.50	-7.85	-0.20	7.45	15.10	22.75	30.40
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	84.706	84.706	84.706	84.706	84.706	84.706	84.706	84.706	84.706
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-4.674	-4.674	-4.674	-4.674	-4.674	-4.674	-4.674	-4.674	-4.674
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-14.00	-10.53	-7.05	-3.57	-0.09	3.39	6.86	10.34	13.82
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	45.983	45.983	45.983	45.983	45.983	45.983	45.983	45.983	45.983
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-2.537	-2.537	-2.537	-2.537	-2.537	-2.537	-2.537	-2.537	-2.537
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-7.60	-5.71	-3.83	-1.94	-0.05	1.84	3.73	5.61	7.50
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	5.456	5.456	5.456	5.456	5.456	5.456	5.456	5.456	5.456
		Vy	2.543	1.874	1.204	0.534	-0.135	-0.805	-1.475	-2.144	-2.814
		Vz	-0.307	-0.307	-0.307	-0.307	-0.307	-0.307	-0.307	-0.307	-0.307
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-0.93	-0.70	-0.47	-0.25	-0.02	0.21	0.44	0.67	0.90
		Mz	-0.76	-2.41	-3.55	-4.20	-4.35	-4.00	-3.15	-1.80	0.04
	Vento 180	N	-7.172	-7.172	-7.172	-7.172	-7.172	-7.172	-7.172	-7.172	-7.172
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	0.413	0.413	0.413	0.413	0.413	0.413	0.413	0.413	0.413
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.25	0.95	0.64	0.33	0.02	-0.28	-0.59	-0.90	-1.20
		Mz	-0.01	-0.01	-0.01	0.00	0.00	0.01	0.01	0.02	0.02
	Multidão - Passeio	N	59.682	59.682	59.682	59.682	59.682	59.682	59.682	59.682	59.682
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-3.293	-3.293	-3.293	-3.293	-3.293	-3.293	-3.293	-3.293	-3.293
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-9.87	-7.42	-4.97	-2.52	-0.06	2.39	4.84	7.29	9.74
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	194.666	194.666	194.666	194.666	194.666	194.666	194.666	194.666	194.666
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-10.742	-10.742	-10.742	-10.742	-10.742	-10.742	-10.742	-10.742	-10.742
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-32.18	-24.19	-16.19	-8.20	-0.21	7.78	15.78	23.77	31.76
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	22.415	22.415	22.415	22.415	22.415	22.415	22.415	22.415	22.415
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.363	-1.363	-1.363	-1.363	-1.363	-1.363	-1.363	-1.363	-1.363
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.15	-3.14	-2.12	-1.11	-0.10	0.92	1.93	2.95	3.96
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	9.556	9.556	9.556	9.556	9.556	9.556	9.556	9.556	9.556

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.744 m	1.488 m	2.232 m	2.976 m	3.720 m	4.464 m	5.208 m	5.953 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.581	-0.581	-0.581	-0.581	-0.581	-0.581	-0.581	-0.581	-0.581
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.77	-1.34	-0.91	-0.47	-0.04	0.39	0.82	1.26	1.69
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	65.707	65.707	65.707	65.707	65.707	65.707	65.707	65.707	65.707
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-3.995	-3.995	-3.995	-3.995	-3.995	-3.995	-3.995	-3.995	-3.995
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-12.17	-9.20	-6.23	-3.25	-0.28	2.69	5.66	8.64	11.61
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	27.899	27.899	27.899	27.899	27.899	27.899	27.899	27.899	27.899
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.696	-1.696	-1.696	-1.696	-1.696	-1.696	-1.696	-1.696	-1.696
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.17	-3.90	-2.64	-1.38	-0.12	1.14	2.40	3.67	4.93
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	107.802	107.802	107.802	107.802	107.802	107.802	107.802	107.802	107.802
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-6.547	-6.547	-6.547	-6.547	-6.547	-6.547	-6.547	-6.547	-6.547
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-19.93	-15.06	-10.19	-5.32	-0.44	4.43	9.30	14.17	19.04
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	45.660	45.660	45.660	45.660	45.660	45.660	45.660	45.660	45.660
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-2.773	-2.773	-2.773	-2.773	-2.773	-2.773	-2.773	-2.773	-2.773
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-8.44	-6.38	-4.31	-2.25	-0.19	1.88	3.94	6.00	8.07
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	138.025	138.025	138.025	138.025	138.025	138.025	138.025	138.025	138.025
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-7.460	-7.460	-7.460	-7.460	-7.460	-7.460	-7.460	-7.460	-7.460
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-22.36	-16.81	-11.25	-5.70	-0.15	5.40	10.95	16.50	22.05
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	58.322	58.322	58.322	58.322	58.322	58.322	58.322	58.322	58.322
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-3.153	-3.153	-3.153	-3.153	-3.153	-3.153	-3.153	-3.153	-3.153
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-9.45	-7.10	-4.76	-2.41	-0.06	2.28	4.63	6.97	9.32
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	34.737	34.737	34.737	34.737	34.737	34.737	34.737	34.737	34.737
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.978	-0.978	-0.978	-0.978	-0.978	-0.978	-0.978	-0.978	-0.978
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.33	-1.60	-0.88	-0.15	0.58	1.31	2.03	2.76	3.49
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.764 m	1.528 m	2.292 m	3.056 m	3.821 m	4.585 m	5.349 m	6.113 m
N212/N237	Peso próprio	N	-114.210	-113.334	-112.459	-111.583	-110.707	-109.831	-108.955	-108.079	-107.203
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	5.859	5.975	6.091	6.207	6.323	6.439	6.555	6.671	6.787
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	18.46	13.94	9.33	4.63	-0.16	-5.03	-10.00	-15.05	-20.19
		Mz	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05
	LAJE	N	-278.570	-278.570	-278.570	-278.570	-278.570	-278.570	-278.570	-278.570	-278.570
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	15.065	15.065	15.065	15.065	15.065	15.065	15.065	15.065	15.065
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	44.74	33.22	21.71	10.20	-1.31	-12.82	-24.33	-35.84	-47.36
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-152.005	-152.005	-152.005	-152.005	-152.005	-152.005	-152.005	-152.005	-152.005
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	8.220	8.220	8.220	8.220	8.220	8.220	8.220	8.220	8.220
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	24.41	18.13	11.85	5.57	-0.71	-7.00	-13.28	-19.56	-25.84
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-69.093	-69.093	-69.093	-69.093	-69.093	-69.093	-69.093	-69.093	-69.093
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	3.737	3.737	3.737	3.737	3.737	3.737	3.737	3.737	3.737
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.10	8.24	5.39	2.53	-0.32	-3.18	-6.04	-8.89	-11.75
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-37.511	-37.511	-37.511	-37.511	-37.511	-37.511	-37.511	-37.511	-37.511
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.028	2.028	2.028	2.028	2.028	2.028	2.028	2.028	2.028
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.02	4.47	2.92	1.37	-0.18	-1.73	-3.28	-4.83	-6.38
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-3.074	-3.074	-3.074	-3.074	-3.074	-3.074	-3.074	-3.074	-3.074
		Vy	-2.623	-1.935	-1.248	-0.560	0.128	0.815	1.503	2.191	2.879
		Vz	0.237	0.237	0.237	0.237	0.237	0.237	0.237	0.237	0.237
		Mt	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		My	0.73	0.55	0.37	0.19	0.01	-0.17	-0.35	-0.54	-0.72
		Mz	1.01	2.75	3.97	4.66	4.83	4.47	3.58	2.17	0.23
	Vento 180	N	4.907	4.907	4.907	4.907	4.907	4.907	4.907	4.907	4.907
		Vy	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
		Vz	-0.310	-0.310	-0.310	-0.310	-0.310	-0.310	-0.310	-0.310	-0.310
		Mt	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		My	-0.94	-0.70	-0.47	-0.23	0.01	0.24	0.48	0.72	0.95
		Mz	-0.51	-0.54	-0.56	-0.59	-0.61	-0.64	-0.66	-0.68	-0.71
	Multidão - Passeio	N	-48.691	-48.691	-48.691	-48.691	-48.691	-48.691	-48.691	-48.691	-48.691
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.633	2.633	2.633	2.633	2.633	2.633	2.633	2.633	2.633
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.82	5.81	3.79	1.78	-0.23	-2.24	-4.25	-6.26	-8.28
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-158.774	-158.774	-158.774	-158.774	-158.774	-158.774	-158.774	-158.774	-158.774
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	8.587	8.587	8.587	8.587	8.587	8.587	8.587	8.587	8.587
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.50	18.94	12.38	5.82	-0.75	-7.31	-13.87	-20.43	-26.99
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-19.814	-19.814	-19.814	-19.814	-19.814	-19.814	-19.814	-19.814	-19.814
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.962	0.962	0.962	0.962	0.962	0.962	0.962	0.962	0.962
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.82	2.09	1.35	0.62	-0.12	-0.85	-1.59	-2.32	-3.06
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.764 m	1.528 m	2.292 m	3.056 m	3.821 m	4.585 m	5.349 m	6.113 m
	TB-450 - A2	N	-8.450	-8.450	-8.450	-8.450	-8.450	-8.450	-8.450	-8.450	-8.450
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.410	0.410	0.410	0.410	0.410	0.410	0.410	0.410	0.410
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.20	0.89	0.58	0.26	-0.05	-0.36	-0.68	-0.99	-1.30
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-58.049	-58.049	-58.049	-58.049	-58.049	-58.049	-58.049	-58.049	-58.049
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.820	2.820	2.820	2.820	2.820	2.820	2.820	2.820	2.820
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.27	6.12	3.96	1.81	-0.35	-2.50	-4.66	-6.81	-8.97
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-24.627	-24.627	-24.627	-24.627	-24.627	-24.627	-24.627	-24.627	-24.627
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.198	1.198	1.198	1.198	1.198	1.198	1.198	1.198	1.198
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.51	2.60	1.68	0.77	-0.15	-1.06	-1.98	-2.89	-3.81
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-95.562	-95.562	-95.562	-95.562	-95.562	-95.562	-95.562	-95.562	-95.562
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	4.644	4.644	4.644	4.644	4.644	4.644	4.644	4.644	4.644
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.62	10.08	6.53	2.98	-0.57	-4.12	-7.67	-11.22	-14.76
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-40.449	-40.449	-40.449	-40.449	-40.449	-40.449	-40.449	-40.449	-40.449
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.967	1.967	1.967	1.967	1.967	1.967	1.967	1.967	1.967
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.77	4.27	2.77	1.26	-0.24	-1.74	-3.25	-4.75	-6.25
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-121.246	-121.246	-121.246	-121.246	-121.246	-121.246	-121.246	-121.246	-121.246
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	5.963	5.963	5.963	5.963	5.963	5.963	5.963	5.963	5.963
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	17.70	13.14	8.59	4.03	-0.53	-5.08	-9.64	-14.20	-18.75
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-51.208	-51.208	-51.208	-51.208	-51.208	-51.208	-51.208	-51.208	-51.208
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.520	2.520	2.520	2.520	2.520	2.520	2.520	2.520	2.520
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.48	5.55	3.63	1.70	-0.22	-2.15	-4.07	-6.00	-7.92
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-6.068	-6.068	-6.068	-6.068	-6.068	-6.068	-6.068	-6.068	-6.068
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.875	1.875	1.875	1.875	1.875	1.875	1.875	1.875	1.875
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.88	4.45	3.02	1.58	0.15	-1.28	-2.71	-4.15	-5.58
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.746 m	1.492 m	2.237 m	2.983 m	3.729 m	4.475 m	5.221 m	5.966 m
N213/N236	Peso próprio	N	197.866	199.902	201.937	203.973	206.009	208.044	210.080	212.116	214.151
		Vy	0.235	0.235	0.235	0.235	0.235	0.235	0.235	0.235	0.235

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.746 m	1.492 m	2.237 m	2.983 m	3.729 m	4.475 m	5.221 m	5.966 m
		Vz	-18.524	-18.248	-17.972	-17.695	-17.419	-17.143	-16.867	-16.590	-16.314
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-60.46	-46.75	-33.24	-19.94	-6.85	6.04	18.72	31.20	43.47
		Mz	-0.06	-0.23	-0.41	-0.58	-0.76	-0.93	-1.11	-1.28	-1.46
	LAJE	N	438.179	438.179	438.179	438.179	438.179	438.179	438.179	438.179	438.179
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-40.742	-40.742	-40.742	-40.742	-40.742	-40.742	-40.742	-40.742	-40.742
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-135.74	-105.36	-74.97	-44.59	-14.20	16.18	46.57	76.96	107.34
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	239.103	239.103	239.103	239.103	239.103	239.103	239.103	239.103	239.103
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-22.232	-22.232	-22.232	-22.232	-22.232	-22.232	-22.232	-22.232	-22.232
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-74.07	-57.49	-40.91	-24.33	-7.75	8.83	25.41	41.99	58.57
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	108.683	108.683	108.683	108.683	108.683	108.683	108.683	108.683	108.683
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-10.105	-10.105	-10.105	-10.105	-10.105	-10.105	-10.105	-10.105	-10.105
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-33.67	-26.13	-18.60	-11.06	-3.52	4.01	11.55	19.09	26.62
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	58.988	58.988	58.988	58.988	58.988	58.988	58.988	58.988	58.988
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-5.486	-5.486	-5.486	-5.486	-5.486	-5.486	-5.486	-5.486	-5.486
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-18.28	-14.18	-10.09	-6.00	-1.91	2.18	6.27	10.36	14.45
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	3.988	3.988	3.988	3.988	3.988	3.988	3.988	3.988	3.988
		Vy	6.617	5.946	5.275	4.604	3.932	3.261	2.590	1.919	1.248
		Vz	-0.415	-0.415	-0.415	-0.415	-0.415	-0.415	-0.415	-0.415	-0.415
		Mt	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
		My	-2.09	-1.78	-1.47	-1.16	-0.85	-0.54	-0.23	0.08	0.39
		Mz	-1.80	-6.48	-10.66	-14.35	-17.53	-20.21	-22.40	-24.08	-25.26
	Vento 180	N	-5.975	-5.975	-5.975	-5.975	-5.975	-5.975	-5.975	-5.975	-5.975
		Vy	-3.333	-3.333	-3.333	-3.333	-3.333	-3.333	-3.333	-3.333	-3.333
		Vz	0.641	0.641	0.641	0.641	0.641	0.641	0.641	0.641	0.641
		Mt	-0.23	-0.23	-0.23	-0.23	-0.23	-0.23	-0.23	-0.23	-0.23
		My	2.68	2.21	1.73	1.25	0.77	0.29	-0.18	-0.66	-1.14
		Mz	0.52	3.01	5.49	7.98	10.47	12.95	15.44	17.92	20.41
	Multidão - Passeio	N	76.547	76.547	76.547	76.547	76.547	76.547	76.547	76.547	76.547
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-7.119	-7.119	-7.119	-7.119	-7.119	-7.119	-7.119	-7.119	-7.119
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-23.72	-18.41	-13.10	-7.79	-2.48	2.83	8.14	13.45	18.76
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	249.806	249.806	249.806	249.806	249.806	249.806	249.806	249.806	249.806
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-23.224	-23.224	-23.224	-23.224	-23.224	-23.224	-23.224	-23.224	-23.224
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-77.38	-60.06	-42.74	-25.42	-8.10	9.22	26.54	43.87	61.19
		Mz	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	22.750	22.750	22.750	22.750	22.750	22.750	22.750	22.750	22.750
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	-2.498	-2.498	-2.498	-2.498	-2.498	-2.498	-2.498	-2.498	-2.498
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-8.12	-6.26	-4.40	-2.53	-0.67	1.19	3.06	4.92	6.78

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.746 m	1.492 m	2.237 m	2.983 m	3.729 m	4.475 m	5.221 m	5.966 m
		Mz	0.00	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.05
	TB-450 - A2	N	9.671	9.671	9.671	9.671	9.671	9.671	9.671	9.671	9.671
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	-1.064	-1.064	-1.064	-1.064	-1.064	-1.064	-1.064	-1.064	-1.064
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.46	-2.67	-1.87	-1.08	-0.29	0.51	1.30	2.09	2.89
		Mz	0.00	-0.01	-0.01	-0.02	-0.02	-0.03	-0.04	-0.04	-0.05
	TB-450 - B1	N	66.839	66.839	66.839	66.839	66.839	66.839	66.839	66.839	66.839
		Vy	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
		Vz	-7.328	-7.328	-7.328	-7.328	-7.328	-7.328	-7.328	-7.328	-7.328
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-23.83	-18.37	-12.90	-7.44	-1.97	3.49	8.96	14.42	19.89
		Mz	0.00	0.01	0.02	0.04	0.05	0.06	0.07	0.08	0.09
	TB-450 - B2	N	28.404	28.404	28.404	28.404	28.404	28.404	28.404	28.404	28.404
		Vy	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vz	-3.111	-3.111	-3.111	-3.111	-3.111	-3.111	-3.111	-3.111	-3.111
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-10.12	-7.80	-5.48	-3.16	-0.84	1.48	3.80	6.12	8.44
		Mz	0.00	-0.01	-0.02	-0.03	-0.05	-0.06	-0.07	-0.08	-0.09
	TB-450 - C1	N	110.315	110.315	110.315	110.315	110.315	110.315	110.315	110.315	110.315
		Vy	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017
		Vz	-12.078	-12.078	-12.078	-12.078	-12.078	-12.078	-12.078	-12.078	-12.078
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-39.29	-30.28	-21.27	-12.27	-3.26	5.75	14.76	23.77	32.77
		Mz	0.01	0.02	0.03	0.04	0.06	0.07	0.08	0.09	0.11
	TB-450 - C2	N	46.771	46.771	46.771	46.771	46.771	46.771	46.771	46.771	46.771
		Vy	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
		Vz	-5.116	-5.116	-5.116	-5.116	-5.116	-5.116	-5.116	-5.116	-5.116
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-16.65	-12.83	-9.02	-5.20	-1.39	2.43	6.25	10.06	13.88
		Mz	0.00	-0.02	-0.03	-0.04	-0.05	-0.07	-0.08	-0.09	-0.11
	TB-450 - D1	N	149.523	149.523	149.523	149.523	149.523	149.523	149.523	149.523	149.523
		Vy	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		Vz	-15.992	-15.992	-15.992	-15.992	-15.992	-15.992	-15.992	-15.992	-15.992
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-52.39	-40.46	-28.53	-16.61	-4.68	7.25	19.17	31.10	43.03
		Mz	0.01	0.01	0.02	0.03	0.03	0.04	0.05	0.06	0.06
	TB-450 - D2	N	63.246	63.246	63.246	63.246	63.246	63.246	63.246	63.246	63.246
		Vy	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
		Vz	-6.758	-6.758	-6.758	-6.758	-6.758	-6.758	-6.758	-6.758	-6.758
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-22.14	-17.10	-12.06	-7.02	-1.98	3.06	8.10	13.14	18.18
		Mz	0.00	-0.01	-0.02	-0.02	-0.03	-0.04	-0.05	-0.06	-0.06
	TB-450 - E1	N	123.693	123.693	123.693	123.693	123.693	123.693	123.693	123.693	123.693
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	-6.092	-6.092	-6.092	-6.092	-6.092	-6.092	-6.092	-6.092	-6.092
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-22.92	-18.38	-13.83	-9.29	-4.75	-0.20	4.34	8.88	13.43
		Mz	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.04	0.04
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.782 m	1.565 m	2.347 m	3.129 m	3.912 m	4.694 m	5.476 m	6.259 m
N3/N18	Peso próprio	N	-302.590	-300.489	-298.389	-296.288	-294.188	-292.087	-289.987	-287.886	-285.785
		Vy	-0.672	-0.672	-0.672	-0.672	-0.672	-0.672	-0.672	-0.672	-0.672
		Vz	13.542	14.024	14.505	14.986	15.467	15.949	16.430	16.911	17.392
		Mt	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
		My	58.53	47.74	36.58	25.05	13.13	0.84	-11.82	-24.87	-38.29
		Mz	0.05	0.57	1.10	1.62	2.15	2.67	3.20	3.73	4.25
	LAJE	N	-555.174	-555.174	-555.174	-555.174	-555.174	-555.174	-555.174	-555.174	-555.174
		Vy	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020
		Vz	28.503	28.503	28.503	28.503	28.503	28.503	28.503	28.503	28.503
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	103.69	81.39	59.09	36.79	14.49	-7.81	-30.12	-52.42	-74.72
		Mz	0.00	0.02	0.03	0.05	0.06	0.08	0.09	0.11	0.12
	PAVIMENTAÇÃO	N	-302.945	-302.945	-302.945	-302.945	-302.945	-302.945	-302.945	-302.945	-302.945
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	15.553	15.553	15.553	15.553	15.553	15.553	15.553	15.553	15.553
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	56.58	44.41	32.24	20.07	7.91	-4.26	-16.43	-28.60	-40.77
		Mz	0.00	0.01	0.02	0.03	0.03	0.04	0.05	0.06	0.07
	RECAPEAMENTO	N	-137.702	-137.702	-137.702	-137.702	-137.702	-137.702	-137.702	-137.702	-137.702
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	7.070	7.070	7.070	7.070	7.070	7.070	7.070	7.070	7.070
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.72	20.19	14.66	9.12	3.59	-1.94	-7.47	-13.00	-18.53
		Mz	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.03	0.03
	GUARDA-RODAS	N	-74.738	-74.738	-74.738	-74.738	-74.738	-74.738	-74.738	-74.738	-74.738
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	3.837	3.837	3.837	3.837	3.837	3.837	3.837	3.837	3.837
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.96	10.96	7.95	4.95	1.95	-1.05	-4.06	-7.06	-10.06
		Mz	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02
	Vento 0	N	-27.836	-27.836	-27.836	-27.836	-27.836	-27.836	-27.836	-27.836	-27.836
		Vy	-17.823	-17.119	-16.415	-15.711	-15.007	-14.303	-13.599	-12.894	-12.190
		Vz	0.935	0.935	0.935	0.935	0.935	0.935	0.935	0.935	0.935
		Mt	4.51	4.51	4.51	4.51	4.51	4.51	4.51	4.51	4.51
		My	4.83	4.09	3.36	2.63	1.90	1.17	0.43	-0.30	-1.03
		Mz	-4.99	8.68	21.80	34.36	46.38	57.85	68.76	79.13	88.94
	Vento 180	N	26.089	26.089	26.089	26.089	26.089	26.089	26.089	26.089	26.089
		Vy	12.170	12.170	12.170	12.170	12.170	12.170	12.170	12.170	12.170
		Vz	-0.934	-0.934	-0.934	-0.934	-0.934	-0.934	-0.934	-0.934	-0.934
		Mt	-3.22	-3.22	-3.22	-3.22	-3.22	-3.22	-3.22	-3.22	-3.22
		My	-4.50	-3.77	-3.04	-2.31	-1.58	-0.84	-0.11	0.62	1.35
		Mz	3.60	-5.92	-15.44	-24.96	-34.49	-44.01	-53.53	-63.05	-72.57
	Multidão - Passeio	N	-96.983	-96.983	-96.983	-96.983	-96.983	-96.983	-96.983	-96.983	-96.983
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	4.979	4.979	4.979	4.979	4.979	4.979	4.979	4.979	4.979
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	18.11	14.22	10.32	6.42	2.53	-1.37	-5.26	-9.16	-13.06
		Mz	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02
	Multidão - TB450	N	-316.508	-316.508	-316.508	-316.508	-316.508	-316.508	-316.508	-316.508	-316.508
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	16.249	16.249	16.249	16.249	16.249	16.249	16.249	16.249	16.249
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	59.12	46.40	33.69	20.98	8.26	-4.45	-17.17	-29.88	-42.59
		Mz	0.00	0.01	0.02	0.03	0.04	0.04	0.05	0.06	0.07
	TB-450 - A1	N	-28.062	-28.062	-28.062	-28.062	-28.062	-28.062	-28.062	-28.062	-28.062
		Vy	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
		Vz	1.416	1.416	1.416	1.416	1.416	1.416	1.416	1.416	1.416

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.782 m	1.565 m	2.347 m	3.129 m	3.912 m	4.694 m	5.476 m	6.259 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.66	3.55	2.44	1.33	0.22	-0.88	-1.99	-3.10	-4.21
		Mz	0.00	-0.02	-0.04	-0.06	-0.08	-0.09	-0.11	-0.13	-0.15
	TB-450 - A2	N	-11.985	-11.985	-11.985	-11.985	-11.985	-11.985	-11.985	-11.985	-11.985
		Vy	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
		Vz	0.604	0.604	0.604	0.604	0.604	0.604	0.604	0.604	0.604
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.99	1.51	1.04	0.57	0.10	-0.37	-0.85	-1.32	-1.79
		Mz	0.00	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16
	TB-450 - B1	N	-82.488	-82.488	-82.488	-82.488	-82.488	-82.488	-82.488	-82.488	-82.488
		Vy	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061
		Vz	4.162	4.162	4.162	4.162	4.162	4.162	4.162	4.162	4.162
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	13.70	10.44	7.19	3.93	0.67	-2.58	-5.84	-9.10	-12.35
		Mz	0.04	-0.01	-0.06	-0.11	-0.15	-0.20	-0.25	-0.30	-0.35
	TB-450 - B2	N	-35.189	-35.189	-35.189	-35.189	-35.189	-35.189	-35.189	-35.189	-35.189
		Vy	-0.067	-0.067	-0.067	-0.067	-0.067	-0.067	-0.067	-0.067	-0.067
		Vz	1.772	1.772	1.772	1.772	1.772	1.772	1.772	1.772	1.772
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	5.85	4.46	3.07	1.69	0.30	-1.09	-2.47	-3.86	-5.25
		Mz	-0.04	0.01	0.07	0.12	0.17	0.22	0.28	0.33	0.38
	TB-450 - C1	N	-136.330	-136.330	-136.330	-136.330	-136.330	-136.330	-136.330	-136.330	-136.330
		Vy	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
		Vz	6.872	6.872	6.872	6.872	6.872	6.872	6.872	6.872	6.872
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	22.65	17.27	11.89	6.52	1.14	-4.24	-9.62	-14.99	-20.37
		Mz	0.04	0.00	-0.04	-0.08	-0.13	-0.17	-0.21	-0.25	-0.29
	TB-450 - C2	N	-57.932	-57.932	-57.932	-57.932	-57.932	-57.932	-57.932	-57.932	-57.932
		Vy	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063
		Vz	2.917	2.917	2.917	2.917	2.917	2.917	2.917	2.917	2.917
		Mt	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		My	9.63	7.35	5.06	2.78	0.50	-1.78	-4.07	-6.35	-8.63
		Mz	-0.05	0.00	0.05	0.10	0.15	0.20	0.25	0.30	0.35
	TB-450 - D1	N	-190.439	-190.439	-190.439	-190.439	-190.439	-190.439	-190.439	-190.439	-190.439
		Vy	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
		Vz	9.391	9.391	9.391	9.391	9.391	9.391	9.391	9.391	9.391
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	31.73	24.38	17.03	9.68	2.34	-5.01	-12.36	-19.71	-27.05
		Mz	0.02	0.01	-0.01	-0.03	-0.05	-0.07	-0.09	-0.11	-0.13
	TB-450 - D2	N	-80.623	-80.623	-80.623	-80.623	-80.623	-80.623	-80.623	-80.623	-80.623
		Vy	-0.037	-0.037	-0.037	-0.037	-0.037	-0.037	-0.037	-0.037	-0.037
		Vz	3.973	3.973	3.973	3.973	3.973	3.973	3.973	3.973	3.973
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	13.43	10.33	7.22	4.11	1.00	-2.11	-5.22	-8.33	-11.44
		Mz	-0.02	0.01	0.03	0.06	0.09	0.12	0.15	0.18	0.21
	TB-450 - E1	N	-161.866	-161.866	-161.866	-161.866	-161.866	-161.866	-161.866	-161.866	-161.866
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	8.928	8.928	8.928	8.928	8.928	8.928	8.928	8.928	8.928
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	39.20	32.21	25.22	18.24	11.25	4.27	-2.72	-9.70	-16.69
		Mz	0.02	0.03	0.03	0.04	0.05	0.05	0.06	0.06	0.07
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adilo José Francisco Júnior
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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N1/N92	Peso próprio	N	0.653	0.653	0.653	0.653	0.653	0.653	0.653	0.653	0.653
		Vy	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074
		Vz	-10.776	-10.427	-10.078	-9.729	-9.379	-9.030	-8.681	-8.331	-7.982
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	1.99	3.91	5.77	7.56	9.28	10.94	12.54	14.07
		Mz	0.00	0.01	0.03	0.04	0.06	0.07	0.08	0.10	0.11
	LAJE	N	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-56.390	-54.543	-52.697	-50.850	-49.003	-47.156	-45.309	-43.462	-41.615
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	10.40	20.45	30.16	39.52	48.54	57.21	65.53	73.50
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-30.771	-29.687	-28.604	-27.520	-26.437	-25.353	-24.270	-23.186	-22.103
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	5.67	11.13	16.39	21.45	26.31	30.96	35.41	39.66
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-13.987	-13.494	-13.002	-12.509	-12.017	-11.524	-11.032	-10.539	-10.047
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	2.58	5.06	7.45	9.75	11.96	14.07	16.10	18.03
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-7.591	-7.591	-7.591	-7.591	-7.591	-7.591	-7.591	-7.591	-7.591
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	1.42	2.85	4.27	5.69	7.12	8.54	9.96	11.39
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	1.558	1.558	1.558	1.558	1.558	1.558	1.558	1.558	1.558
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	1.558	1.558	1.558	1.558	1.558	1.558	1.558	1.558	1.558
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-9.850	-8.619	-7.387	-6.156	-4.925	-3.694	-2.462	-1.231	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	1.73	3.23	4.50	5.54	6.35	6.93	7.27	7.39
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-32.150	-32.150	-32.150	-32.150	-32.150	-32.150	-32.150	-32.150	-32.150
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	6.03	12.06	18.08	24.11	30.14	36.17	42.20	48.22

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-25.739	-25.739	-25.739	-25.739	-25.739	-25.739	-25.739	-25.739	-25.739
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	4.83	9.65	14.48	19.30	24.13	28.96	33.78	38.61
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-60.940	-60.940	-60.940	-60.940	-60.940	-60.940	-60.940	-60.940	-60.940
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	11.43	22.85	34.28	45.70	57.13	68.56	79.98	91.41
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N92/N93	Peso próprio	N	0.653	0.653	0.653
		Vy	-0.074	-0.074	-0.074
		Vz	-7.982	-7.609	-7.237
		Mt	0.00	0.00	0.00
		My	14.07	15.63	17.11
		Mz	0.11	0.13	0.14
	LAJE	N	0.010	0.010	0.010
		Vy	0.000	0.000	0.000
		Vz	-41.615	-39.646	-37.676
		Mt	0.00	0.00	0.00
		My	73.50	81.63	89.36
		Mz	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.005	0.005	0.005
		Vy	0.000	0.000	0.000
		Vz	-22.103	-22.103	-22.103
		Mt	0.00	0.00	0.00
		My	39.66	44.08	48.50
		Mz	0.00	0.00	0.00
	RECAPEAMENTO	N	0.002	0.002	0.002
		Vy	0.000	0.000	0.000
		Vz	-10.047	-10.047	-10.047
		Mt	0.00	0.00	0.00
		My	18.03	20.03	22.04
		Mz	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	-7.591	-3.795	0.000
		Mt	0.00	0.00	0.00
		My	11.39	12.53	12.90
		Mz	0.00	0.00	0.00
	Vento 0	N	1.558	1.558	1.558
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	Vento 180	N	1.558	1.558	1.558
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	Multidão - Passeio	N	-0.001	-0.001	-0.001
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	7.39	7.39	7.39
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	0.009	0.009	0.009
		Vy	0.000	0.000	0.000
		Vz	-32.150	-32.150	-32.150
		Mt	0.00	0.00	0.00
		My	48.22	54.65	61.08
		Mz	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	-25.739	-25.739	-25.739
		Mt	0.00	0.00	0.00
		My	38.61	43.76	48.90
		Mz	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	-60.940	-60.940	-60.940
		Mt	0.00	0.00	0.00
		My	91.41	103.60	115.79
		Mz	0.00	0.00	0.00
	TB-450 - B1	N	0.002	0.002	0.002
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - B2	N	0.002	0.002	0.002
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - C1	N	0.007	0.007	0.007
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - C2	N	0.007	0.007	0.007
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - D1	N	0.005	0.005	0.005
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - D2	N	0.005	0.005	0.005
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - E1	N	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N93/N94	Peso próprio	N	0.653	0.653	0.653	0.653	0.653	0.653	0.653	0.653	0.653
		Vy	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074
		Vz	-7.237	-6.438	-5.640	-5.241	-4.442	-3.644	-2.845	-2.446	-1.648
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	17.11	20.04	22.63	23.80	25.87	27.60	29.00	29.56	30.44
		Mz	0.14	0.17	0.20	0.22	0.25	0.28	0.31	0.33	0.36
	LAJE	N	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-37.676	-33.454	-29.233	-27.122	-22.901	-18.679	-14.458	-12.347	-8.126
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	89.36	104.60	118.04	124.08	134.79	143.70	150.81	153.68	158.07
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-22.103	-19.626	-17.150	-15.912	-13.435	-10.959	-8.482	-7.244	-4.767
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	48.50	57.44	65.32	68.86	75.15	80.38	84.54	86.23	88.80
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-10.047	-8.921	-7.795	-7.233	-6.107	-4.981	-3.856	-3.293	-2.167

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	22.04	26.11	29.69	31.30	34.16	36.54	38.43	39.19	40.36
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	12.90	12.90	12.90	12.90	12.90	12.90	12.90	12.90	12.90
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	1.558	1.558	1.558	1.558	1.558	1.558	1.558	1.558	1.558
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	1.558	1.558	1.558	1.558	1.558	1.558	1.558	1.558	1.558
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.39	7.39	7.39	7.39	7.39	7.39	7.39	7.39	7.39
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-32.150	-28.548	-24.945	-23.144	-19.542	-15.940	-12.338	-10.536	-6.934
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	61.08	74.09	85.55	90.71	99.85	107.46	113.52	115.97	119.71
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-25.739	-25.739	-25.739	-25.739	-25.739	-25.739	-25.739	-25.739	-25.739
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	48.90	59.93	70.96	76.48	87.51	98.54	109.57	115.09	126.12
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-60.940	-48.557	-36.175	-29.983	-17.601	-5.218	7.165	13.356	25.739
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	115.79	139.25	157.41	164.49	174.69	179.58	179.16	176.97	168.59
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N94/N42	Peso próprio	N	0.653	0.653	0.653	0.653	0.653
		Vy	-0.074	-0.074	-0.074	-0.074	-0.074
		Vz	-1.648	-1.264	-0.879	-0.495	-0.111
		Mt	0.00	0.00	0.00	0.00	0.00
		My	30.44	30.74	30.96	31.10	31.17
		Mz	0.36	0.38	0.39	0.41	0.42
	LAJE	N	0.010	0.010	0.010	0.010	0.010
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-8.126	-6.095	-4.063	-2.032	0.000
		Mt	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		My	158.07	159.53	160.58	161.21	161.42
		Mz	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.005	0.005	0.005	0.005	0.005
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-4.767	-3.575	-2.384	-1.192	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	88.80	89.66	90.28	90.65	90.77
		Mz	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.002	0.002	0.002	0.002	0.002
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-2.167	-1.625	-1.083	-0.542	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	40.36	40.76	41.03	41.20	41.26
		Mz	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	12.90	12.90	12.90	12.90	12.90
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	1.558	1.558	1.558	1.558	1.558
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	1.558	1.558	1.558	1.558	1.558
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.001	-0.001	-0.001	-0.001	-0.001
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	7.39	7.39	7.39	7.39	7.39
		Mz	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.009	0.009	0.009	0.009	0.009
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-6.934	-5.201	-3.467	-1.734	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	119.71	120.96	121.86	122.39	122.57
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-25.739	-25.739	-25.739	-25.739	-25.739
		Mt	0.00	0.00	0.00	0.00	0.00
		My	126.12	131.43	136.74	142.04	147.35

Adib José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	25.739	25.739	25.739	25.739	25.739
		Mt	0.00	0.00	0.00	0.00	0.00
		My	168.59	163.28	157.97	152.66	147.35
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.002	0.002	0.002	0.002	0.002
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.002	0.002	0.002	0.002	0.002
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.007	0.007	0.007	0.007	0.007
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.007	0.007	0.007	0.007	0.007
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.005	0.005	0.005	0.005	0.005
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.005	0.005	0.005	0.005	0.005
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N42/N97	Peso próprio	N	0.653	0.653	0.653	0.653	0.653
		Vy	0.074	0.074	0.074	0.074	0.074
		Vz	0.111	0.495	0.879	1.264	1.648
		Mt	0.00	0.00	0.00	0.00	0.00
		My	31.17	31.10	30.96	30.74	30.44
		Mz	0.42	0.41	0.39	0.38	0.36
	LAJE	N	0.010	0.010	0.010	0.010	0.010
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	2.032	4.063	6.095	8.126
		Mt	0.00	0.00	0.00	0.00	0.00
		My	161.42	161.21	160.58	159.53	158.07
		Mz	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.005	0.005	0.005	0.005	0.005
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	1.192	2.384	3.575	4.767
		Mt	0.00	0.00	0.00	0.00	0.00
		My	90.77	90.65	90.28	89.66	88.80
		Mz	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.002	0.002	0.002	0.002	0.002
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.542	1.083	1.625	2.167
		Mt	0.00	0.00	0.00	0.00	0.00
		My	41.26	41.20	41.03	40.76	40.36
		Mz	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	12.90	12.90	12.90	12.90	12.90
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	1.558	1.558	1.558	1.558	1.558
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	1.558	1.558	1.558	1.558	1.558
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.001	-0.001	-0.001	-0.001	-0.001
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	7.39	7.39	7.39	7.39	7.39
		Mz	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.009	0.009	0.009	0.009	0.009
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	1.734	3.467	5.201	6.934
		Mt	0.00	0.00	0.00	0.00	0.00
		My	122.57	122.39	121.86	120.96	119.71
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-25.739	-25.739	-25.739	-25.739	-25.739
		Mt	0.00	0.00	0.00	0.00	0.00
		My	147.35	152.66	157.97	163.28	168.59
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	25.739	25.739	25.739	25.739	25.739
		Mt	0.00	0.00	0.00	0.00	0.00
		My	147.35	142.04	136.74	131.43	126.12
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.002	0.002	0.002	0.002	0.002
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.002	0.002	0.002	0.002	0.002
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.007	0.007	0.007	0.007	0.007
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.007	0.007	0.007	0.007	0.007
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.005	0.005	0.005	0.005	0.005
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.005	0.005	0.005	0.005	0.005
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N97/N96	Peso próprio	N	0.653	0.653	0.653	0.653	0.653	0.653	0.653	0.653	0.653
		Vy	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074
		Vz	1.648	2.446	3.245	3.644	4.442	5.241	6.039	6.438	7.237
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	30.44	29.56	28.34	27.60	25.87	23.80	21.38	20.04	17.11
		Mz	0.36	0.33	0.30	0.28	0.25	0.22	0.19	0.17	0.14
	LAJE	N	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	8.126	12.347	16.569	18.679	22.901	27.122	31.344	33.454	37.676
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	158.07	153.68	147.48	143.70	134.79	124.08	111.55	104.60	89.36
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	4.767	7.244	9.720	10.959	13.435	15.912	18.388	19.626	22.103
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	88.80	86.23	82.59	80.38	75.15	68.86	61.51	57.44	48.50
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.167	3.293	4.418	4.981	6.107	7.233	8.358	8.921	10.047

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	40.36	39.19	37.54	36.54	34.16	31.30	27.96	26.11	22.04
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	12.90	12.90	12.90	12.90	12.90	12.90	12.90	12.90	12.90
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	1.558	1.558	1.558	1.558	1.558	1.558	1.558	1.558	1.558
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	1.558	1.558	1.558	1.558	1.558	1.558	1.558	1.558	1.558
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.39	7.39	7.39	7.39	7.39	7.39	7.39	7.39	7.39
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	6.934	10.536	14.139	15.940	19.542	23.144	26.746	28.548	32.150
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	119.71	115.97	110.68	107.46	99.85	90.71	80.02	74.09	61.08
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-25.739	-13.356	-0.973	5.218	17.601	29.983	42.366	48.557	60.940
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	168.59	176.97	180.04	179.58	174.69	164.49	148.99	139.25	115.79
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	25.739	25.739	25.739	25.739	25.739	25.739	25.739	25.739	25.739
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	126.12	115.09	104.06	98.54	87.51	76.48	65.45	59.93	48.90
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N96/N95	Peso próprio	N	0.653	0.653	0.653
		Vy	0.074	0.074	0.074
		Vz	7.237	7.609	7.982
		Mt	0.00	0.00	0.00
		My	17.11	15.63	14.07
		Mz	0.14	0.13	0.11
	LAJE	N	0.010	0.010	0.010
		Vy	0.000	0.000	0.000
		Vz	37.676	39.646	41.615
		Mt	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		My	89.36	81.63	73.50
		Mz	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.005	0.005	0.005
		Vy	0.000	0.000	0.000
		Vz	22.103	22.103	22.103
		Mt	0.00	0.00	0.00
		My	48.50	44.08	39.66
		Mz	0.00	0.00	0.00
	RECAPEAMENTO	N	0.002	0.002	0.002
		Vy	0.000	0.000	0.000
		Vz	10.047	10.047	10.047
		Mt	0.00	0.00	0.00
		My	22.04	20.03	18.03
		Mz	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	3.795	7.591
		Mt	0.00	0.00	0.00
		My	12.90	12.53	11.39
		Mz	0.00	0.00	0.00
	Vento 0	N	1.558	1.558	1.558
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	Vento 180	N	1.558	1.558	1.558
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	Multidão - Passeio	N	-0.001	-0.001	-0.001
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	7.39	7.39	7.39
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	0.009	0.009	0.009
		Vy	0.000	0.000	0.000
		Vz	32.150	32.150	32.150
		Mt	0.00	0.00	0.00
		My	61.08	54.65	48.22
		Mz	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	60.940	60.940	60.940
		Mt	0.00	0.00	0.00
		My	115.79	103.60	91.41

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Mz	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	25.739	25.739	25.739
		Mt	0.00	0.00	0.00
		My	48.90	43.76	38.61
		Mz	0.00	0.00	0.00
	TB-450 - B1	N	0.002	0.002	0.002
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - B2	N	0.002	0.002	0.002
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - C1	N	0.007	0.007	0.007
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - C2	N	0.007	0.007	0.007
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - D1	N	0.005	0.005	0.005
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - D2	N	0.005	0.005	0.005
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - E1	N	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N95/N2	Peso próprio	N	0.653	0.653	0.653	0.653	0.653	0.653	0.653	0.653	0.653
		Vy	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074
		Vz	7.982	8.331	8.681	9.030	9.379	9.729	10.078	10.427	10.776
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.07	12.54	10.94	9.28	7.56	5.77	3.91	1.99	0.00
		Mz	0.11	0.10	0.08	0.07	0.06	0.04	0.03	0.01	0.00
	LAJE	N	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	41.615	43.462	45.309	47.156	49.003	50.850	52.697	54.543	56.390
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	73.50	65.53	57.21	48.54	39.52	30.16	20.45	10.40	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	22.103	23.186	24.270	25.353	26.437	27.520	28.604	29.687	30.771
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	39.66	35.41	30.96	26.31	21.45	16.39	11.13	5.67	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	10.047	10.539	11.032	11.524	12.017	12.509	13.002	13.494	13.987
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	18.03	16.10	14.07	11.96	9.75	7.45	5.06	2.58	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	7.591	7.591	7.591	7.591	7.591	7.591	7.591	7.591	7.591
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.39	9.96	8.54	7.12	5.69	4.27	2.85	1.42	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	1.558	1.558	1.558	1.558	1.558	1.558	1.558	1.558	1.558
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	1.558	1.558	1.558	1.558	1.558	1.558	1.558	1.558	1.558
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	1.231	2.462	3.694	4.925	6.156	7.387	8.619	9.850
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.39	7.27	6.93	6.35	5.54	4.50	3.23	1.73	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	32.150	32.150	32.150	32.150	32.150	32.150	32.150	32.150	32.150
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	48.22	42.20	36.17	30.14	24.11	18.08	12.06	6.03	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	60.940	60.940	60.940	60.940	60.940	60.940	60.940	60.940	60.940
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	91.41	79.98	68.56	57.13	45.70	34.28	22.85	11.43	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	25.739	25.739	25.739	25.739	25.739	25.739	25.739	25.739	25.739
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	38.61	33.78	28.96	24.13	19.30	14.48	9.65	4.83	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N19/N86	Peso próprio	N	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-18.810	-18.205	-17.601	-16.996	-16.391	-15.787	-15.182	-14.577	-13.973
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	3.47	6.83	10.07	13.20	16.22	19.12	21.91	24.59
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-111.872	-108.195	-104.518	-100.841	-97.164	-93.487	-89.811	-86.134	-82.457
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	20.63	40.57	59.83	78.39	96.26	113.45	129.94	145.75
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-61.039	-58.882	-56.725	-54.568	-52.411	-50.254	-48.097	-45.939	-43.782
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	11.24	22.08	32.51	42.54	52.17	61.39	70.20	78.62
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-27.745	-26.765	-25.784	-24.804	-23.823	-22.843	-21.862	-20.882	-19.901
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	5.11	10.04	14.78	19.34	23.71	27.90	31.91	35.73
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-15.081	-15.081	-15.081	-15.081	-15.081	-15.081	-15.081	-15.081	-15.081
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	2.83	5.66	8.48	11.31	14.14	16.97	19.79	22.62
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	5.823	5.823	5.823	5.823	5.823	5.823	5.823	5.823	5.823
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	5.826	5.826	5.826	5.826	5.826	5.826	5.826	5.826	5.826
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-19.604	-17.152	-14.701	-12.250	-9.799	-7.347	-4.896	-2.445	0.007
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	3.45	6.43	8.96	11.03	12.63	13.78	14.47	14.70
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-63.692	-63.692	-63.692	-63.692	-63.692	-63.692	-63.692	-63.692	-63.692
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	11.94	23.88	35.83	47.77	59.71	71.65	83.60	95.54
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.145	-0.145	-0.145	-0.145	-0.145	-0.145	-0.145	-0.145	-0.145
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.03	0.05	0.08	0.11	0.14	0.16	0.19	0.22
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.145	-0.145	-0.145	-0.145	-0.145	-0.145	-0.145	-0.145	-0.145
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.03	0.05	0.08	0.11	0.14	0.16	0.19	0.22
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-25.579	-25.579	-25.579	-25.579	-25.579	-25.579	-25.579	-25.579	-25.579
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	4.80	9.59	14.39	19.18	23.98	28.78	33.57	38.37
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-60.780	-60.780	-60.780	-60.780	-60.780	-60.780	-60.780	-60.780	-60.780
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	11.40	22.79	34.19	45.59	56.98	68.38	79.77	91.17
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-25.203	-25.203	-25.203	-25.203	-25.203	-25.203	-25.203	-25.203	-25.203
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	4.73	9.45	14.18	18.90	23.63	28.35	33.08	37.80
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-60.084	-60.084	-60.084	-60.084	-60.084	-60.084	-60.084	-60.084	-60.084
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	11.27	22.53	33.80	45.06	56.33	67.59	78.86	90.13
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Vz	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.04	-0.08	-0.11	-0.15	-0.19	-0.23	-0.26	-0.30
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.04	-0.08	-0.11	-0.15	-0.19	-0.23	-0.27	-0.30
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.124	-0.124	-0.124	-0.124	-0.124	-0.124	-0.124	-0.124	-0.124
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.02	0.05	0.07	0.09	0.12	0.14	0.16	0.19
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N86/N87	Peso próprio	N	0.022	0.022	0.022
		Vy	0.000	0.000	0.000
		Vz	-13.973	-13.328	-12.683
		Mt	0.00	0.00	0.00
		My	24.59	27.32	29.92
		Mz	0.00	0.00	0.00
	LAJE	N	-0.089	-0.089	-0.089
		Vy	0.000	0.000	0.000
		Vz	-82.457	-78.535	-74.613
		Mt	0.00	0.00	0.00
		My	145.75	161.85	177.16
		Mz	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-0.050	-0.050	-0.050
		Vy	0.000	0.000	0.000
		Vz	-43.782	-43.782	-43.782
		Mt	0.00	0.00	0.00
		My	78.62	87.37	96.13
		Mz	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.023	-0.023	-0.023
		Vy	0.000	0.000	0.000
		Vz	-19.901	-19.901	-19.901
		Mt	0.00	0.00	0.00
		My	35.73	39.71	43.70
		Mz	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.008	-0.008	-0.008
		Vy	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Vz	-15.081	-7.525	0.032
		Mt	0.00	0.00	0.00
		My	22.62	24.88	25.63
		Mz	0.00	0.00	0.00
	Vento 0	N	5.823	5.823	5.823
		Vy	0.000	0.000	0.000
		Vz	-0.001	-0.001	-0.001
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	Vento 180	N	5.826	5.826	5.826
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	Multidão - Passeio	N	-0.003	-0.003	-0.003
		Vy	0.000	0.000	0.000
		Vz	0.007	0.007	0.007
		Mt	0.00	0.00	0.00
		My	14.70	14.70	14.70
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	-0.069	-0.069	-0.069
		Vy	0.000	0.000	0.000
		Vz	-63.692	-63.692	-63.692
		Mt	0.00	0.00	0.00
		My	95.54	108.28	121.01
		Mz	0.00	0.00	0.00
	TB-450 - A1	N	-0.025	-0.025	-0.025
		Vy	0.000	0.000	0.000
		Vz	-0.145	-0.145	-0.145
		Mt	0.00	0.00	0.00
		My	0.22	0.25	0.28
		Mz	0.00	0.00	0.00
	TB-450 - A2	N	-0.025	-0.025	-0.025
		Vy	0.000	0.000	0.000
		Vz	-0.145	-0.145	-0.145
		Mt	0.00	0.00	0.00
		My	0.22	0.25	0.28
		Mz	0.00	0.00	0.00
	TB-450 - B1	N	0.014	0.014	0.014
		Vy	0.000	0.000	0.000
		Vz	-25.579	-25.579	-25.579
		Mt	0.00	0.00	0.00
		My	38.37	43.48	48.60
		Mz	0.00	0.00	0.00
	TB-450 - B2	N	0.014	0.014	0.014
		Vy	0.000	0.000	0.000
		Vz	-60.780	-60.780	-60.780

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Mt	0.00	0.00	0.00
		My	91.17	103.33	115.48
		Mz	0.00	0.00	0.00
	TB-450 - C1	N	-0.061	-0.061	-0.061
		Vy	0.000	0.000	0.000
		Vz	-25.203	-25.203	-25.203
		Mt	0.00	0.00	0.00
		My	37.80	42.84	47.89
		Mz	0.00	0.00	0.00
	TB-450 - C2	N	-0.061	-0.061	-0.061
		Vy	0.000	0.000	0.000
		Vz	-60.084	-60.084	-60.084
		Mt	0.00	0.00	0.00
		My	90.13	102.14	114.16
		Mz	0.00	0.00	0.00
	TB-450 - D1	N	-0.038	-0.038	-0.038
		Vy	0.000	0.000	0.000
		Vz	0.202	0.202	0.202
		Mt	0.00	0.00	0.00
		My	-0.30	-0.34	-0.38
		Mz	0.00	0.00	0.00
	TB-450 - D2	N	-0.038	-0.038	-0.038
		Vy	0.000	0.000	0.000
		Vz	0.202	0.202	0.202
		Mt	0.00	0.00	0.00
		My	-0.30	-0.34	-0.38
		Mz	0.00	0.00	0.00
	TB-450 - E1	N	0.023	0.023	0.023
		Vy	0.000	0.000	0.000
		Vz	-0.124	-0.124	-0.124
		Mt	0.00	0.00	0.00
		My	0.19	0.21	0.24
		Mz	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N87/N88	Peso próprio	N	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-12.683	-11.301	-9.919	-9.228	-7.846	-6.464	-5.082	-4.391	-3.009
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	29.92	35.06	39.60	41.66	45.31	48.38	50.85	51.87	53.46
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-74.613	-66.208	-57.804	-53.602	-45.197	-36.793	-28.389	-24.186	-15.782
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	177.16	207.34	233.91	245.85	267.02	284.59	298.55	304.19	312.75
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-43.782	-38.852	-33.921	-31.456	-26.525	-21.595	-16.664	-14.199	-9.268
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	96.13	113.84	129.43	136.44	148.86	159.17	167.37	170.68	175.71
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-19.901	-17.660	-15.419	-14.298	-12.057	-9.816	-7.575	-6.454	-4.213
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	43.70	51.74	58.83	62.02	67.66	72.35	76.08	77.58	79.87
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.63	25.62	25.61	25.60	25.58	25.57	25.56	25.55	25.54
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	5.823	5.823	5.823	5.823	5.823	5.823	5.823	5.823	5.823
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	5.826	5.826	5.826	5.826	5.826	5.826	5.826	5.826	5.826
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.70	14.69	14.69	14.69	14.69	14.68	14.68	14.68	14.68
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-63.692	-56.520	-49.348	-45.762	-38.591	-31.419	-24.247	-20.661	-13.490
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	121.01	146.77	169.46	179.65	197.73	212.73	224.66	229.47	236.79
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.145	-0.145	-0.145	-0.145	-0.145	-0.145	-0.145	-0.145	-0.145
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.28	0.34	0.40	0.43	0.49	0.56	0.62	0.65	0.71
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.145	-0.145	-0.145	-0.145	-0.145	-0.145	-0.145	-0.145	-0.145
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.28	0.34	0.40	0.43	0.49	0.56	0.62	0.65	0.71
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-25.579	-25.579	-25.579	-25.579	-25.579	-25.579	-25.579	-25.579	-25.579
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	48.60	59.56	70.53	76.01	86.97	97.93	108.89	114.38	125.34
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-60.780	-48.398	-36.015	-29.824	-17.441	-5.059	7.324	13.515	25.898
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	115.48	138.88	156.97	164.02	174.15	178.97	178.48	176.25	167.81
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-25.203	-25.203	-25.203	-25.203	-25.203	-25.203	-25.203	-25.203	-25.203
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	47.89	58.69	69.49	74.89	85.69	96.49	107.29	112.69	123.49
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-60.084	-47.814	-35.544	-29.409	-17.139	-4.868	7.402	13.537	25.807
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	114.16	137.28	155.14	162.10	172.08	176.79	176.25	174.01	165.58
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.38	-0.47	-0.56	-0.60	-0.69	-0.77	-0.86	-0.90	-0.99
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.38	-0.47	-0.56	-0.60	-0.69	-0.77	-0.86	-0.90	-0.99
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.124	-0.124	-0.124	-0.124	-0.124	-0.124	-0.124	-0.124	-0.124
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.24	0.29	0.34	0.37	0.42	0.48	0.53	0.56	0.61
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adilo José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N88/N38	Peso próprio	N	0.022	0.022	0.022	0.022	0.022
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-3.009	-2.343	-1.678	-1.013	-0.348
		Mt	0.00	0.00	0.00	0.00	0.00
		My	53.46	54.01	54.42	54.70	54.84
		Mz	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-0.089	-0.089	-0.089	-0.089	-0.089
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-15.782	-11.737	-7.693	-3.648	0.396
		Mt	0.00	0.00	0.00	0.00	0.00
		My	312.75	315.59	317.59	318.76	319.10
		Mz	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-0.050	-0.050	-0.050	-0.050	-0.050
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-9.268	-6.896	-4.523	-2.150	0.223
		Mt	0.00	0.00	0.00	0.00	0.00
		My	175.71	177.37	178.55	179.24	179.44
		Mz	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.023	-0.023	-0.023	-0.023	-0.023
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-4.213	-3.134	-2.056	-0.977	0.101
		Mt	0.00	0.00	0.00	0.00	0.00
		My	79.87	80.62	81.16	81.47	81.56
		Mz	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.008	-0.008	-0.008	-0.008	-0.008
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.032	0.032	0.032	0.032	0.032
		Mt	0.00	0.00	0.00	0.00	0.00
		My	25.54	25.53	25.52	25.52	25.51
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	5.823	5.823	5.823	5.823	5.823
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.001	-0.001	-0.001	-0.001	-0.001
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	5.826	5.826	5.826	5.826	5.826
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.003	-0.003	-0.003	-0.003	-0.003
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.007	0.007	0.007	0.007	0.007
		Mt	0.00	0.00	0.00	0.00	0.00
		My	14.68	14.67	14.67	14.67	14.67
		Mz	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-0.069	-0.069	-0.069	-0.069	-0.069

Adib José Francisco Junior
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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-13.490	-10.038	-6.587	-3.136	0.316
		Mt	0.00	0.00	0.00	0.00	0.00
		My	236.79	239.21	240.93	241.93	242.22
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.025	-0.025	-0.025	-0.025	-0.025
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.145	-0.145	-0.145	-0.145	-0.145
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.71	0.74	0.77	0.80	0.83
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.025	-0.025	-0.025	-0.025	-0.025
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.145	-0.145	-0.145	-0.145	-0.145
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.71	0.74	0.77	0.80	0.83
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.014	0.014	0.014	0.014	0.014
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-25.579	-25.579	-25.579	-25.579	-25.579
		Mt	0.00	0.00	0.00	0.00	0.00
		My	125.34	130.61	135.89	141.17	146.44
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.014	0.014	0.014	0.014	0.014
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	25.898	25.898	25.898	25.898	25.898
		Mt	0.00	0.00	0.00	0.00	0.00
		My	167.81	162.46	157.12	151.78	146.44
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.061	-0.061	-0.061	-0.061	-0.061
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-25.203	-25.203	-25.203	-25.203	-25.203
		Mt	0.00	0.00	0.00	0.00	0.00
		My	123.49	128.69	133.89	139.09	144.29
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.061	-0.061	-0.061	-0.061	-0.061
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	25.807	25.807	25.807	25.807	25.807
		Mt	0.00	0.00	0.00	0.00	0.00
		My	165.58	160.25	154.93	149.61	144.28
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.038	-0.038	-0.038	-0.038	-0.038
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.202	0.202	0.202	0.202	0.202
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.99	-1.03	-1.07	-1.11	-1.15
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.038	-0.038	-0.038	-0.038	-0.038
		Vy	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Vz	0.202	0.202	0.202	0.202	0.202
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.99	-1.03	-1.07	-1.11	-1.16
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.023	0.023	0.023	0.023	0.023
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.124	-0.124	-0.124	-0.124	-0.124
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.61	0.63	0.66	0.69	0.71
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N38/N91	Peso próprio	N	0.022	0.022	0.022	0.022	0.022
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.348	1.013	1.678	2.343	3.009
		Mt	0.00	0.00	0.00	0.00	0.00
		My	54.84	54.70	54.42	54.01	53.46
		Mz	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-0.089	-0.089	-0.089	-0.089	-0.089
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.396	3.648	7.693	11.737	15.782
		Mt	0.00	0.00	0.00	0.00	0.00
		My	319.10	318.76	317.59	315.59	312.75
		Mz	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-0.050	-0.050	-0.050	-0.050	-0.050
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.223	2.150	4.523	6.896	9.268
		Mt	0.00	0.00	0.00	0.00	0.00
		My	179.44	179.24	178.55	177.37	175.71
		Mz	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.023	-0.023	-0.023	-0.023	-0.023
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.101	0.977	2.056	3.134	4.213
		Mt	0.00	0.00	0.00	0.00	0.00
		My	81.56	81.47	81.16	80.62	79.87
		Mz	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.008	-0.008	-0.008	-0.008	-0.008
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.032	-0.032	-0.032	-0.032	-0.032
		Mt	0.00	0.00	0.00	0.00	0.00
		My	25.51	25.52	25.52	25.53	25.54

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	5.823	5.823	5.823	5.823	5.823
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.001	0.001	0.001	0.001	0.001
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	5.826	5.826	5.826	5.826	5.826
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.003	-0.003	-0.003	-0.003	-0.003
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.007	-0.007	-0.007	-0.007	-0.007
		Mt	0.00	0.00	0.00	0.00	0.00
		My	14.67	14.67	14.67	14.67	14.68
		Mz	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-0.069	-0.069	-0.069	-0.069	-0.069
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.316	3.136	6.587	10.038	13.490
		Mt	0.00	0.00	0.00	0.00	0.00
		My	242.22	241.93	240.93	239.21	236.79
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.025	-0.025	-0.025	-0.025	-0.025
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.145	0.145	0.145	0.145	0.145
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.83	0.80	0.77	0.74	0.71
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.025	-0.025	-0.025	-0.025	-0.025
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.145	0.145	0.145	0.145	0.145
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.83	0.80	0.77	0.74	0.71
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.014	0.014	0.014	0.014	0.014
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-25.898	-25.898	-25.898	-25.898	-25.898
		Mt	0.00	0.00	0.00	0.00	0.00
		My	146.44	151.78	157.12	162.47	167.81
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.014	0.014	0.014	0.014	0.014
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	25.579	25.579	25.579	25.579	25.579
		Mt	0.00	0.00	0.00	0.00	0.00
		My	146.44	141.16	135.89	130.61	125.34
		Mz	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
	TB-450 - C1	N	-0.061	-0.061	-0.061	-0.061	-0.061
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-25.807	-25.807	-25.807	-25.807	-25.807
		Mt	0.00	0.00	0.00	0.00	0.00
		My	144.29	149.61	154.93	160.25	165.58
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.061	-0.061	-0.061	-0.061	-0.061
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	25.203	25.203	25.203	25.203	25.203
		Mt	0.00	0.00	0.00	0.00	0.00
		My	144.28	139.09	133.89	128.69	123.49
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.038	-0.038	-0.038	-0.038	-0.038
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.202	-0.202	-0.202	-0.202	-0.202
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-1.15	-1.11	-1.07	-1.03	-0.99
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.038	-0.038	-0.038	-0.038	-0.038
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.202	-0.202	-0.202	-0.202	-0.202
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-1.16	-1.11	-1.07	-1.03	-0.99
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.023	0.023	0.023	0.023	0.023
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.124	0.124	0.124	0.124	0.124
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.71	0.69	0.66	0.63	0.61
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N91/N90	Peso próprio	N	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	3.009	4.391	5.773	6.464	7.846	9.228	10.610	11.301	12.683
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	53.46	51.87	49.69	48.38	45.31	41.66	37.40	35.06	29.92
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	15.782	24.186	32.591	36.793	45.197	53.602	62.006	66.208	74.613
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		My	312.75	304.19	292.02	284.59	267.02	245.85	221.07	207.34	177.16
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	9.268	14.199	19.130	21.595	26.525	31.456	36.386	38.852	43.782
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	175.71	170.68	163.53	159.17	148.86	136.44	121.90	113.84	96.13
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	4.213	6.454	8.695	9.816	12.057	14.298	16.539	17.660	19.901
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	79.87	77.58	74.33	72.35	67.66	62.02	55.41	51.74	43.70
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.032	-0.032	-0.032	-0.032	-0.032	-0.032	-0.032	-0.032	-0.032
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.54	25.55	25.56	25.57	25.58	25.60	25.61	25.62	25.63
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	5.823	5.823	5.823	5.823	5.823	5.823	5.823	5.823	5.823
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	5.826	5.826	5.826	5.826	5.826	5.826	5.826	5.826	5.826
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.68	14.68	14.68	14.68	14.69	14.69	14.69	14.69	14.70
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	13.490	20.661	27.833	31.419	38.591	45.762	52.934	56.520	63.692
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	236.79	229.47	219.08	212.73	197.73	179.65	158.50	146.77	121.01
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.71	0.65	0.59	0.56	0.49	0.43	0.37	0.34	0.28
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		My	0.71	0.65	0.59	0.56	0.49	0.43	0.37	0.34	0.28
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-25.898	-13.515	-1.133	5.059	17.441	29.824	42.207	48.398	60.781
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	167.81	176.25	179.39	178.97	174.15	164.02	148.59	138.88	115.48
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	25.579	25.579	25.579	25.579	25.579	25.579	25.579	25.579	25.579
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	125.34	114.38	103.41	97.93	86.97	76.01	65.04	59.56	48.60
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-25.807	-13.537	-1.266	4.869	17.139	29.409	41.679	47.814	60.084
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	165.58	174.01	177.18	176.79	172.08	162.10	146.87	137.28	114.16
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	25.203	25.203	25.203	25.203	25.203	25.203	25.203	25.203	25.203
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	123.49	112.69	101.89	96.49	85.69	74.89	64.09	58.69	47.88
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.99	-0.90	-0.82	-0.77	-0.69	-0.60	-0.51	-0.47	-0.38
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.99	-0.90	-0.82	-0.77	-0.69	-0.60	-0.51	-0.47	-0.38
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.61	0.56	0.50	0.48	0.42	0.37	0.32	0.29	0.24
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N90/N89	Peso próprio	N	0.022	0.022	0.022
		Vy	0.000	0.000	0.000
		Vz	12.683	13.328	13.973
		Mt	0.00	0.00	0.00
		My	29.92	27.32	24.59
		Mz	0.00	0.00	0.00
	LAJE	N	-0.089	-0.089	-0.089
		Vy	0.000	0.000	0.000
		Vz	74.613	78.535	82.457
		Mt	0.00	0.00	0.00
		My	177.16	161.85	145.75
		Mz	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-0.050	-0.050	-0.050
		Vy	0.000	0.000	0.000
		Vz	43.782	43.782	43.782
		Mt	0.00	0.00	0.00
		My	96.13	87.37	78.62
		Mz	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.023	-0.023	-0.023
		Vy	0.000	0.000	0.000
		Vz	19.901	19.901	19.901
		Mt	0.00	0.00	0.00
		My	43.70	39.71	35.73
		Mz	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.008	-0.008	-0.008
		Vy	0.000	0.000	0.000
		Vz	-0.032	7.525	15.081
		Mt	0.00	0.00	0.00
		My	25.63	24.88	22.62
		Mz	0.00	0.00	0.00
	Vento 0	N	5.823	5.823	5.823
		Vy	0.000	0.000	0.000
		Vz	0.001	0.001	0.001
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	Vento 180	N	5.826	5.826	5.826
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	Multidão - Passeio	N	-0.003	-0.003	-0.003
		Vy	0.000	0.000	0.000
		Vz	-0.007	-0.007	-0.007
		Mt	0.00	0.00	0.00
		My	14.70	14.70	14.70
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	-0.069	-0.069	-0.069

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Vy	0.000	0.000	0.000
		Vz	63.692	63.692	63.692
		Mt	0.00	0.00	0.00
		My	121.01	108.28	95.54
		Mz	0.00	0.00	0.00
	TB-450 - A1	N	-0.025	-0.025	-0.025
		Vy	0.000	0.000	0.000
		Vz	0.145	0.145	0.145
		Mt	0.00	0.00	0.00
		My	0.28	0.25	0.22
		Mz	0.00	0.00	0.00
	TB-450 - A2	N	-0.025	-0.025	-0.025
		Vy	0.000	0.000	0.000
		Vz	0.145	0.145	0.145
		Mt	0.00	0.00	0.00
		My	0.28	0.25	0.22
		Mz	0.00	0.00	0.00
	TB-450 - B1	N	0.014	0.014	0.014
		Vy	0.000	0.000	0.000
		Vz	60.781	60.781	60.781
		Mt	0.00	0.00	0.00
		My	115.48	103.33	91.17
		Mz	0.00	0.00	0.00
	TB-450 - B2	N	0.014	0.014	0.014
		Vy	0.000	0.000	0.000
		Vz	25.579	25.579	25.579
		Mt	0.00	0.00	0.00
		My	48.60	43.48	38.37
		Mz	0.00	0.00	0.00
	TB-450 - C1	N	-0.061	-0.061	-0.061
		Vy	0.000	0.000	0.000
		Vz	60.084	60.084	60.084
		Mt	0.00	0.00	0.00
		My	114.16	102.14	90.13
		Mz	0.00	0.00	0.00
	TB-450 - C2	N	-0.061	-0.061	-0.061
		Vy	0.000	0.000	0.000
		Vz	25.203	25.203	25.203
		Mt	0.00	0.00	0.00
		My	47.88	42.84	37.80
		Mz	0.00	0.00	0.00
	TB-450 - D1	N	-0.038	-0.038	-0.038
		Vy	0.000	0.000	0.000
		Vz	-0.202	-0.202	-0.202
		Mt	0.00	0.00	0.00
		My	-0.38	-0.34	-0.30
		Mz	0.00	0.00	0.00
	TB-450 - D2	N	-0.038	-0.038	-0.038
		Vy	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Vz	-0.202	-0.202	-0.202
		Mt	0.00	0.00	0.00
		My	-0.38	-0.34	-0.30
		Mz	0.00	0.00	0.00
	TB-450 - E1	N	0.023	0.023	0.023
		Vy	0.000	0.000	0.000
		Vz	0.124	0.124	0.124
		Mt	0.00	0.00	0.00
		My	0.24	0.21	0.19
		Mz	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N89/N23	Peso próprio	N	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	13.973	14.577	15.182	15.787	16.391	16.996	17.601	18.205	18.810
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	24.59	21.91	19.12	16.22	13.20	10.07	6.83	3.47	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	82.457	86.134	89.811	93.487	97.164	100.841	104.518	108.195	111.872
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	145.75	129.94	113.45	96.26	78.39	59.83	40.57	20.63	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	43.782	45.939	48.097	50.254	52.411	54.568	56.725	58.882	61.039
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	78.62	70.20	61.39	52.17	42.54	32.51	22.08	11.24	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	19.901	20.882	21.862	22.843	23.823	24.804	25.784	26.765	27.745
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	35.73	31.91	27.90	23.71	19.34	14.78	10.04	5.11	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	15.081	15.081	15.081	15.081	15.081	15.081	15.081	15.081	15.081
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	22.62	19.79	16.97	14.14	11.31	8.48	5.66	2.83	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	5.823	5.823	5.823	5.823	5.823	5.823	5.823	5.823	5.823
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adib José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Vz	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	5.826	5.826	5.826	5.826	5.826	5.826	5.826	5.826	5.826
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.007	2.445	4.896	7.347	9.799	12.250	14.701	17.152	19.604
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.70	14.47	13.78	12.63	11.03	8.96	6.43	3.45	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	63.692	63.692	63.692	63.692	63.692	63.692	63.692	63.692	63.692
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	95.54	83.60	71.65	59.71	47.77	35.83	23.88	11.94	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.22	0.19	0.16	0.14	0.11	0.08	0.05	0.03	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.22	0.19	0.16	0.14	0.11	0.08	0.05	0.03	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	60.781	60.781	60.781	60.781	60.781	60.781	60.781	60.781	60.781
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	91.17	79.77	68.38	56.98	45.59	34.19	22.79	11.40	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	25.579	25.579	25.579	25.579	25.579	25.579	25.579	25.579	25.579
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	38.37	33.57	28.78	23.98	19.18	14.39	9.59	4.80	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	60.084	60.084	60.084	60.084	60.084	60.084	60.084	60.084	60.084
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	90.13	78.86	67.60	56.33	45.06	33.80	22.53	11.27	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adib José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Vz	25.203	25.203	25.203	25.203	25.203	25.203	25.203	25.203	25.203
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	37.80	33.08	28.35	23.63	18.90	14.18	9.45	4.73	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.30	-0.26	-0.23	-0.19	-0.15	-0.11	-0.08	-0.04	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.30	-0.27	-0.23	-0.19	-0.15	-0.11	-0.08	-0.04	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.19	0.16	0.14	0.12	0.09	0.07	0.05	0.02	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N98/N80	Peso próprio	N	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-12.058	-11.671	-11.284	-10.897	-10.510	-10.122	-9.735	-9.348	-8.961
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	2.22	4.38	6.46	8.46	10.40	12.26	14.05	15.76
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-111.756	-108.096	-104.436	-100.776	-97.116	-93.456	-89.795	-86.135	-82.475
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	20.61	40.54	59.77	78.33	96.19	113.37	129.87	145.67
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-60.983	-58.836	-56.688	-54.541	-52.394	-50.246	-48.099	-45.952	-43.805
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	11.23	22.06	32.49	42.52	52.14	61.36	70.18	78.59
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-27.719	-26.743	-25.767	-24.791	-23.815	-22.839	-21.863	-20.887	-19.911
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	5.11	10.03	14.77	19.33	23.70	27.89	31.90	35.72

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-15.044	-15.044	-15.044	-15.044	-15.044	-15.044	-15.044	-15.044	-15.044
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	2.82	5.64	8.46	11.28	14.10	16.92	19.75	22.57
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	3.209	3.209	3.209	3.209	3.209	3.209	3.209	3.209	3.209
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	3.190	3.190	3.190	3.190	3.190	3.190	3.190	3.190	3.190
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-19.521	-17.081	-14.641	-12.200	-9.760	-7.320	-4.880	-2.440	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	3.43	6.41	8.92	10.98	12.58	13.73	14.41	14.64
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-63.716	-63.716	-63.716	-63.716	-63.716	-63.716	-63.716	-63.716	-63.716
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	11.95	23.89	35.84	47.79	59.73	71.68	83.63	95.57
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Vz	-51.010	-51.010	-51.010	-51.010	-51.010	-51.010	-51.010	-51.010	-51.010
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	9.56	19.13	28.69	38.26	47.82	57.39	66.95	76.51
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-120.773	-120.773	-120.773	-120.773	-120.773	-120.773	-120.773	-120.773	-120.773
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	22.64	45.29	67.93	90.58	113.22	135.87	158.51	181.16
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N80/N81	Peso próprio	N	-0.009	-0.009	-0.009
		Vy	0.000	0.000	0.000
		Vz	-8.961	-8.549	-8.136
		Mt	0.00	0.00	0.00
		My	15.76	17.52	19.18
		Mz	0.00	0.00	0.00
	LAJE	N	0.016	0.016	0.016
		Vy	0.000	0.000	0.000
		Vz	-82.475	-78.571	-74.667
		Mt	0.00	0.00	0.00
		My	145.67	161.78	177.10
		Mz	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.009	0.009	0.009
		Vy	0.000	0.000	0.000
		Vz	-43.805	-43.805	-43.805
		Mt	0.00	0.00	0.00

Adilo José Francisco Junior
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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		My	78.59	87.35	96.11
		Mz	0.00	0.00	0.00
	RECAPEAMENTO	N	0.004	0.004	0.004
		Vy	0.000	0.000	0.000
		Vz	-19.911	-19.911	-19.911
		Mt	0.00	0.00	0.00
		My	35.72	39.71	43.69
		Mz	0.00	0.00	0.00
	GUARDA-RODAS	N	0.001	0.001	0.001
		Vy	0.000	0.000	0.000
		Vz	-15.044	-7.522	0.000
		Mt	0.00	0.00	0.00
		My	22.57	24.82	25.57
		Mz	0.00	0.00	0.00
	Vento 0	N	3.209	3.209	3.209
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	Vento 180	N	3.190	3.190	3.190
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	14.64	14.64	14.64
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	0.013	0.013	0.013
		Vy	0.000	0.000	0.000
		Vz	-63.716	-63.716	-63.716
		Mt	0.00	0.00	0.00
		My	95.57	108.32	121.06
		Mz	0.00	0.00	0.00
	TB-450 - A1	N	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - A2	N	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00

Adib José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Mz	0.00	0.00	0.00
	TB-450 - B1	N	-0.002	-0.002	-0.002
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - B2	N	-0.002	-0.002	-0.002
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - C1	N	0.027	0.027	0.027
		Vy	0.000	0.000	0.000
		Vz	-51.010	-51.010	-51.010
		Mt	0.00	0.00	0.00
		My	76.51	86.72	96.92
		Mz	0.00	0.00	0.00
	TB-450 - C2	N	0.027	0.027	0.027
		Vy	0.000	0.000	0.000
		Vz	-120.773	-120.773	-120.773
		Mt	0.00	0.00	0.00
		My	181.16	205.31	229.47
		Mz	0.00	0.00	0.00
	TB-450 - D1	N	0.006	0.006	0.006
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - D2	N	0.006	0.006	0.006
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - E1	N	-0.011	-0.011	-0.011
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N81/N82	Peso próprio	N	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-8.136	-7.251	-6.367	-5.924	-5.040	-4.155	-3.271	-2.828	-1.944
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	19.18	22.48	25.40	26.72	29.07	31.04	32.63	33.28	34.30
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-74.667	-66.301	-57.935	-53.752	-45.386	-37.020	-28.654	-24.471	-16.105
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	177.10	207.31	233.93	245.90	267.14	284.80	298.87	304.56	313.26
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-43.805	-38.897	-33.988	-31.534	-26.626	-21.718	-16.810	-14.356	-9.448
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	96.11	113.83	129.45	136.47	148.94	159.30	167.55	170.89	175.99
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-19.911	-17.680	-15.449	-14.334	-12.103	-9.872	-7.641	-6.526	-4.295
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	43.69	51.74	58.84	62.03	67.70	72.41	76.16	77.68	80.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.57	25.57	25.57	25.57	25.57	25.57	25.57	25.57	25.57
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	3.209	3.209	3.209	3.209	3.209	3.209	3.209	3.209	3.209
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	3.190	3.190	3.190	3.190	3.190	3.190	3.190	3.190	3.190
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.64	14.64	14.64	14.64	14.64	14.64	14.64	14.64	14.64
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-63.716	-56.577	-49.438	-45.868	-38.729	-31.590	-24.451	-20.882	-13.743
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	121.06	146.84	169.55	179.77	197.89	212.96	224.97	229.83	237.25
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-51.010	-51.010	-51.010	-51.010	-51.010	-51.010	-51.010	-51.010	-51.010
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	96.92	118.78	140.64	151.57	173.43	195.29	217.16	228.09	249.95
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-120.773	-96.233	-71.692	-59.422	-34.882	-10.341	14.199	26.469	51.010
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	229.47	275.97	311.95	326.00	346.21	355.90	355.07	350.72	334.11
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adilo José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N82/N37	Peso próprio	N	-0.009	-0.009	-0.009	-0.009	-0.009
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-1.944	-1.518	-1.092	-0.666	-0.241
		Mt	0.00	0.00	0.00	0.00	0.00
		My	34.30	34.66	34.93	35.11	35.20
		Mz	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.016	0.016	0.016	0.016	0.016
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-16.105	-12.078	-8.052	-4.026	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	313.26	316.17	318.24	319.49	319.90
		Mz	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.009	0.009	0.009	0.009	0.009
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-9.448	-7.086	-4.724	-2.362	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	175.99	177.70	178.91	179.65	179.89
		Mz	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.004	0.004	0.004	0.004	0.004
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-4.295	-3.221	-2.147	-1.074	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	80.00	80.77	81.32	81.66	81.77
		Mz	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.001	0.001	0.001	0.001	0.001
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	25.57	25.57	25.57	25.57	25.57
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	3.209	3.209	3.209	3.209	3.209
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	3.190	3.190	3.190	3.190	3.190
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000

Adib José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	14.64	14.64	14.64	14.64	14.64
		Mz	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.013	0.013	0.013	0.013	0.013
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-13.743	-10.307	-6.871	-3.436	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	237.25	239.73	241.50	242.56	242.92
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.002	-0.002	-0.002	-0.002	-0.002
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.002	-0.002	-0.002	-0.002	-0.002
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.027	0.027	0.027	0.027	0.027
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-51.010	-51.010	-51.010	-51.010	-51.010
		Mt	0.00	0.00	0.00	0.00	0.00
		My	249.95	260.47	270.99	281.51	292.03
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.027	0.027	0.027	0.027	0.027
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	51.010	51.010	51.010	51.010	51.010
		Mt	0.00	0.00	0.00	0.00	0.00
		My	334.11	323.59	313.07	302.55	292.03
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.006	0.006	0.006	0.006	0.006
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000

Adib José Francisco Junior
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HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.006	0.006	0.006	0.006	0.006
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.011	-0.011	-0.011	-0.011	-0.011
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N37/N85	Peso próprio	N	-0.009	-0.009	-0.009	-0.009	-0.009
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.241	0.666	1.092	1.518	1.944
		Mt	0.00	0.00	0.00	0.00	0.00
		My	35.20	35.11	34.93	34.66	34.30
		Mz	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.016	0.016	0.016	0.016	0.016
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	4.026	8.052	12.078	16.105
		Mt	0.00	0.00	0.00	0.00	0.00
		My	319.90	319.49	318.24	316.17	313.26
		Mz	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.009	0.009	0.009	0.009	0.009
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	2.362	4.724	7.086	9.448
		Mt	0.00	0.00	0.00	0.00	0.00
		My	179.89	179.65	178.91	177.70	175.99
		Mz	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.004	0.004	0.004	0.004	0.004
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	1.074	2.147	3.221	4.295
		Mt	0.00	0.00	0.00	0.00	0.00
		My	81.77	81.66	81.32	80.77	80.00
		Mz	0.00	0.00	0.00	0.00	0.00

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HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
	GUARDA-RODAS	N	0.001	0.001	0.001	0.001	0.001
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	25.57	25.57	25.57	25.57	25.57
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	3.209	3.209	3.209	3.209	3.209
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	3.190	3.190	3.190	3.190	3.190
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	14.64	14.64	14.64	14.64	14.64
		Mz	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.013	0.013	0.013	0.013	0.013
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	3.436	6.871	10.307	13.743
		Mt	0.00	0.00	0.00	0.00	0.00
		My	242.92	242.56	241.50	239.73	237.25
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.002	-0.002	-0.002	-0.002	-0.002
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.002	-0.002	-0.002	-0.002	-0.002

Adib José Francisco Junior
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HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.027	0.027	0.027	0.027	0.027
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-51.010	-51.010	-51.010	-51.010	-51.010
		Mt	0.00	0.00	0.00	0.00	0.00
		My	292.03	302.55	313.07	323.59	334.11
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.027	0.027	0.027	0.027	0.027
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	51.010	51.010	51.010	51.010	51.010
		Mt	0.00	0.00	0.00	0.00	0.00
		My	292.03	281.51	270.99	260.47	249.95
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.006	0.006	0.006	0.006	0.006
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.006	0.006	0.006	0.006	0.006
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.011	-0.011	-0.011	-0.011	-0.011
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N85/N84	Peso próprio	N	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.944	2.828	3.713	4.155	5.040	5.924	6.809	7.251	8.136
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	34.30	33.28	31.88	31.04	29.07	26.72	23.99	22.48	18.18

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	16.105	24.471	32.837	37.020	45.386	53.752	62.118	66.301	74.667
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	313.26	304.56	292.28	284.80	267.14	245.90	221.07	207.31	177.10
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	9.448	14.356	19.264	21.718	26.626	31.534	36.442	38.897	43.805
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	175.99	170.89	163.69	159.30	148.94	136.47	121.91	113.83	96.11
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	4.295	6.526	8.756	9.872	12.103	14.334	16.565	17.680	19.911
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	80.00	77.68	74.40	72.41	67.70	62.03	55.41	51.74	43.69
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.57	25.57	25.57	25.57	25.57	25.57	25.57	25.57	25.57
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	3.209	3.209	3.209	3.209	3.209	3.209	3.209	3.209	3.209
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	3.190	3.190	3.190	3.190	3.190	3.190	3.190	3.190	3.190
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.64	14.64	14.64	14.64	14.64	14.64	14.64	14.64	14.64
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	13.743	20.882	28.021	31.590	38.729	45.868	53.007	56.577	63.716
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	237.25	229.83	219.35	212.96	197.89	179.77	158.58	146.84	121.06
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adilo José Francisco Junior
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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-51.010	-26.469	-1.929	10.341	34.882	59.422	83.962	96.233	120.773
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	334.11	350.72	356.80	355.90	346.21	326.00	295.28	275.97	229.47
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	51.010	51.010	51.010	51.010	51.010	51.010	51.010	51.010	51.010
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	249.95	228.09	206.22	195.29	173.43	151.57	129.71	118.78	96.92
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N84/N83	Peso próprio	N	-0.009	-0.009	-0.009
		Vy	0.000	0.000	0.000
		Vz	8.136	8.549	8.961
		Mt	0.00	0.00	0.00
		My	19.18	17.52	15.76
		Mz	0.00	0.00	0.00
	LAJE	N	0.016	0.016	0.016
		Vy	0.000	0.000	0.000
		Vz	74.667	78.571	82.475
		Mt	0.00	0.00	0.00
		My	177.10	161.78	145.67
		Mz	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.009	0.009	0.009
		Vy	0.000	0.000	0.000
		Vz	43.805	43.805	43.805
		Mt	0.00	0.00	0.00
		My	96.11	87.35	78.59
		Mz	0.00	0.00	0.00
	RECAPEAMENTO	N	0.004	0.004	0.004
		Vy	0.000	0.000	0.000
		Vz	19.911	19.911	19.911
		Mt	0.00	0.00	0.00
		My	43.69	39.71	35.72
		Mz	0.00	0.00	0.00
	GUARDA-RODAS	N	0.001	0.001	0.001
		Vy	0.000	0.000	0.000
		Vz	0.000	7.522	15.044
		Mt	0.00	0.00	0.00
		My	25.57	24.82	22.57
		Mz	0.00	0.00	0.00
	Vento 0	N	3.209	3.209	3.209
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	Vento 180	N	3.190	3.190	3.190
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	14.64	14.64	14.64
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	0.013	0.013	0.013
		Vy	0.000	0.000	0.000
		Vz	63.716	63.716	63.716
		Mt	0.00	0.00	0.00
		My	121.06	108.32	95.57
		Mz	0.00	0.00	0.00
	TB-450 - A1	N	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - A2	N	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - B1	N	-0.002	-0.002	-0.002
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - B2	N	-0.002	-0.002	-0.002
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - C1	N	0.027	0.027	0.027
		Vy	0.000	0.000	0.000
		Vz	120.773	120.773	120.773
		Mt	0.00	0.00	0.00
		My	229.47	205.31	181.16
		Mz	0.00	0.00	0.00
	TB-450 - C2	N	0.027	0.027	0.027
		Vy	0.000	0.000	0.000
		Vz	51.010	51.010	51.010
		Mt	0.00	0.00	0.00
		My	96.92	86.72	76.51
		Mz	0.00	0.00	0.00
	TB-450 - D1	N	0.006	0.006	0.006
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - D2	N	0.006	0.006	0.006
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - E1	N	-0.011	-0.011	-0.011
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N83/N100	Peso próprio	N	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	8.961	9.348	9.735	10.122	10.510	10.897	11.284	11.671	12.058
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	15.76	14.05	12.26	10.40	8.46	6.46	4.38	2.22	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	82.475	86.135	89.795	93.456	97.116	100.776	104.436	108.096	111.756
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	145.67	129.87	113.37	96.19	78.33	59.77	40.54	20.61	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	43.805	45.952	48.099	50.246	52.394	54.541	56.688	58.836	60.983
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	78.59	70.18	61.36	52.14	42.52	32.49	22.06	11.23	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	19.911	20.887	21.863	22.839	23.815	24.791	25.767	26.743	27.719
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	35.72	31.90	27.89	23.70	19.33	14.77	10.03	5.11	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	15.044	15.044	15.044	15.044	15.044	15.044	15.044	15.044	15.044
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		My	22.57	19.75	16.92	14.10	11.28	8.46	5.64	2.82	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	3.209	3.209	3.209	3.209	3.209	3.209	3.209	3.209	3.209
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	3.190	3.190	3.190	3.190	3.190	3.190	3.190	3.190	3.190
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	2.440	4.880	7.320	9.760	12.200	14.641	17.081	19.521
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.64	14.41	13.73	12.58	10.98	8.92	6.41	3.43	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	63.716	63.716	63.716	63.716	63.716	63.716	63.716	63.716	63.716
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	95.57	83.63	71.68	59.73	47.79	35.84	23.89	11.95	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	120.773	120.773	120.773	120.773	120.773	120.773	120.773	120.773	120.773
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	181.16	158.51	135.87	113.22	90.58	67.93	45.29	22.64	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	51.010	51.010	51.010	51.010	51.010	51.010	51.010	51.010	51.010
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	76.51	66.95	57.39	47.82	38.26	28.69	19.13	9.56	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N22/N74	Peso próprio	N	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	-0.235	-0.235	-0.235	-0.235	-0.235	-0.235	-0.235	-0.235	-0.235
		Vz	-12.213	-11.826	-11.439	-11.052	-10.665	-10.278	-9.891	-9.504	-9.117
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	2.25	4.43	6.54	8.58	10.54	12.43	14.25	16.00
		Mz	0.00	0.04	0.09	0.13	0.18	0.22	0.26	0.31	0.35
	LAJE	N	-0.043	-0.043	-0.043	-0.043	-0.043	-0.043	-0.043	-0.043	-0.043
		Vy	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
		Vz	-111.379	-107.712	-104.045	-100.378	-96.711	-93.043	-89.376	-85.709	-82.042
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	20.54	40.39	59.56	78.03	95.82	112.93	129.34	145.07
		Mz	0.00	-0.01	-0.01	-0.02	-0.02	-0.03	-0.04	-0.04	-0.05
	PAVIMENTAÇÃO	N	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024
		Vy	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
		Vz	-60.767	-58.616	-56.464	-54.313	-52.162	-50.010	-47.859	-45.707	-43.556
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	11.19	21.98	32.37	42.35	51.93	61.10	69.87	78.24
		Mz	0.00	0.00	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02	-0.03
	RECAPEAMENTO	N	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	-27.621	-26.644	-25.666	-24.688	-23.710	-22.732	-21.754	-20.776	-19.798
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	5.09	9.99	14.71	19.25	23.60	27.77	31.76	35.56
		Mz	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
	GUARDA-RODAS	N	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-15.026	-15.026	-15.026	-15.026	-15.026	-15.026	-15.026	-15.026	-15.026
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	2.82	5.63	8.45	11.27	14.09	16.90	19.72	22.54
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	5.862	5.862	5.862	5.862	5.862	5.862	5.862	5.862	5.862
		Vy	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052
		Vz	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	-0.01	-0.02	-0.03	-0.04	-0.05	-0.06	-0.07	-0.08
	Vento 180	N	6.237	6.237	6.237	6.237	6.237	6.237	6.237	6.237	6.237
		Vy	-0.052	-0.052	-0.052	-0.052	-0.052	-0.052	-0.052	-0.052	-0.052
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08
	Multidão - Passeio	N	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-19.548	-17.104	-14.659	-12.214	-9.769	-7.325	-4.880	-2.435	0.010
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	3.44	6.41	8.93	10.99	12.60	13.74	14.43	14.65
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033
		Vy	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028
		Vz	-63.367	-63.367	-63.367	-63.367	-63.367	-63.367	-63.367	-63.367	-63.367
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	11.88	23.76	35.64	47.53	59.41	71.29	83.17	95.05
		Mz	0.00	-0.01	-0.01	-0.02	-0.02	-0.03	-0.03	-0.04	-0.04
	TB-450 - A1	N	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vy	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150
		Vz	-0.219	-0.219	-0.219	-0.219	-0.219	-0.219	-0.219	-0.219	-0.219
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.04	0.08	0.12	0.16	0.21	0.25	0.29	0.33
		Mz	0.00	-0.03	-0.06	-0.08	-0.11	-0.14	-0.17	-0.20	-0.23
	TB-450 - A2	N	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vy	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150
		Vz	-0.219	-0.219	-0.219	-0.219	-0.219	-0.219	-0.219	-0.219	-0.219
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.04	0.08	0.12	0.16	0.21	0.25	0.29	0.33
		Mz	0.00	-0.03	-0.06	-0.08	-0.11	-0.14	-0.17	-0.20	-0.23
	TB-450 - B1	N	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014
		Vy	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216
		Vz	0.242	0.242	0.242	0.242	0.242	0.242	0.242	0.242	0.242
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.05	-0.09	-0.14	-0.18	-0.23	-0.27	-0.32	-0.36
		Mz	0.00	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.32
	TB-450 - B2	N	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021
		Vy	-0.213	-0.213	-0.213	-0.213	-0.213	-0.213	-0.213	-0.213	-0.213
		Vz	0.242	0.242	0.242	0.242	0.242	0.242	0.242	0.242	0.242
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.05	-0.09	-0.14	-0.18	-0.23	-0.27	-0.32	-0.36
		Mz	0.00	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.32
	TB-450 - C1	N	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034
		Vy	-0.458	-0.458	-0.458	-0.458	-0.458	-0.458	-0.458	-0.458	-0.458
		Vz	-25.046	-25.046	-25.046	-25.046	-25.046	-25.046	-25.046	-25.046	-25.046

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	4.70	9.39	14.09	18.78	23.48	28.18	32.87	37.57
		Mz	0.00	0.09	0.17	0.26	0.34	0.43	0.52	0.60	0.69
	TB-450 - C2	N	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042
		Vy	-0.454	-0.454	-0.454	-0.454	-0.454	-0.454	-0.454	-0.454	-0.454
		Vz	-59.928	-59.928	-59.928	-59.928	-59.928	-59.928	-59.928	-59.928	-59.928
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	11.24	22.47	33.71	44.95	56.18	67.42	78.65	89.89
		Mz	0.00	0.09	0.17	0.26	0.34	0.43	0.51	0.60	0.68
	TB-450 - D1	N	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vy	0.768	0.768	0.768	0.768	0.768	0.768	0.768	0.768	0.768
		Vz	-25.314	-25.314	-25.314	-25.314	-25.314	-25.314	-25.314	-25.314	-25.314
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	4.75	9.49	14.24	18.99	23.73	28.48	33.22	37.97
		Mz	0.00	-0.14	-0.29	-0.43	-0.58	-0.72	-0.86	-1.01	-1.15
	TB-450 - D2	N	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vy	0.775	0.775	0.775	0.775	0.775	0.775	0.775	0.775	0.775
		Vz	-60.329	-60.329	-60.329	-60.329	-60.329	-60.329	-60.329	-60.329	-60.329
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	11.31	22.62	33.94	45.25	56.56	67.87	79.18	90.49
		Mz	0.00	-0.15	-0.29	-0.44	-0.58	-0.73	-0.87	-1.02	-1.16
	TB-450 - E1	N	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vy	-0.217	-0.217	-0.217	-0.217	-0.217	-0.217	-0.217	-0.217	-0.217
		Vz	-0.182	-0.182	-0.182	-0.182	-0.182	-0.182	-0.182	-0.182	-0.182
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.03	0.07	0.10	0.14	0.17	0.21	0.24	0.27
		Mz	0.00	0.04	0.08	0.12	0.16	0.20	0.24	0.29	0.33
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N74/N75	Peso próprio	N	-0.004	-0.004	-0.004
		Vy	-0.235	-0.235	-0.235
		Vz	-9.117	-8.704	-8.291
		Mt	0.00	0.00	0.00
		My	16.00	17.78	19.48
		Mz	0.35	0.40	0.45
	LAJE	N	-0.043	-0.043	-0.043
		Vy	0.033	0.033	0.033
		Vz	-82.042	-78.130	-74.219
		Mt	0.00	0.00	0.00
		My	145.07	161.08	176.32
		Mz	-0.05	-0.06	-0.06
	PAVIMENTAÇÃO	N	-0.024	-0.024	-0.024
		Vy	0.019	0.019	0.019
		Vz	-43.556	-43.556	-43.556
		Mt	0.00	0.00	0.00
		My	78.24	86.95	95.66

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Mz	-0.03	-0.03	-0.04
	RECAPEAMENTO	N	-0.011	-0.011	-0.011
		Vy	0.008	0.008	0.008
		Vz	-19.798	-19.798	-19.798
		Mt	0.00	0.00	0.00
		My	35.56	39.52	43.48
		Mz	-0.01	-0.01	-0.02
	GUARDA-RODAS	N	-0.004	-0.004	-0.004
		Vy	0.002	0.002	0.002
		Vz	-15.026	-7.489	0.047
		Mt	0.00	0.00	0.00
		My	22.54	24.79	25.53
		Mz	0.00	0.00	0.00
	Vento 0	N	5.862	5.862	5.862
		Vy	0.052	0.052	0.052
		Vz	-0.002	-0.002	-0.002
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	-0.08	-0.09	-0.10
	Vento 180	N	6.237	6.237	6.237
		Vy	-0.052	-0.052	-0.052
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.08	0.09	0.10
	Multidão - Passeio	N	-0.002	-0.002	-0.002
		Vy	0.000	0.000	0.000
		Vz	0.010	0.010	0.010
		Mt	0.00	0.00	0.00
		My	14.65	14.65	14.65
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	-0.033	-0.033	-0.033
		Vy	0.028	0.028	0.028
		Vz	-63.367	-63.367	-63.367
		Mt	0.00	0.00	0.00
		My	95.05	107.72	120.40
		Mz	-0.04	-0.05	-0.05
	TB-450 - A1	N	0.015	0.015	0.015
		Vy	0.150	0.150	0.150
		Vz	-0.219	-0.219	-0.219
		Mt	0.00	0.00	0.00
		My	0.33	0.37	0.42
		Mz	-0.23	-0.26	-0.29
	TB-450 - A2	N	0.015	0.015	0.015
		Vy	0.150	0.150	0.150
		Vz	-0.219	-0.219	-0.219
		Mt	0.00	0.00	0.00
		My	0.33	0.37	0.42
		Mz	-0.23	-0.26	-0.29

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
	TB-450 - B1	N	-0.014	-0.014	-0.014
		Vy	-0.216	-0.216	-0.216
		Vz	0.242	0.242	0.242
		Mt	0.00	0.00	0.00
		My	-0.36	-0.41	-0.46
		Mz	0.32	0.37	0.41
	TB-450 - B2	N	-0.021	-0.021	-0.021
		Vy	-0.213	-0.213	-0.213
		Vz	0.242	0.242	0.242
		Mt	0.00	0.00	0.00
		My	-0.36	-0.41	-0.46
		Mz	0.32	0.36	0.40
	TB-450 - C1	N	-0.034	-0.034	-0.034
		Vy	-0.458	-0.458	-0.458
		Vz	-25.046	-25.046	-25.046
		Mt	0.00	0.00	0.00
		My	37.57	42.58	47.59
		Mz	0.69	0.78	0.87
	TB-450 - C2	N	-0.042	-0.042	-0.042
		Vy	-0.454	-0.454	-0.454
		Vz	-59.928	-59.928	-59.928
		Mt	0.00	0.00	0.00
		My	89.89	101.88	113.86
		Mz	0.68	0.77	0.86
	TB-450 - D1	N	0.007	0.007	0.007
		Vy	0.768	0.768	0.768
		Vz	-25.314	-25.314	-25.314
		Mt	0.00	0.00	0.00
		My	37.97	43.03	48.10
		Mz	-1.15	-1.31	-1.46
	TB-450 - D2	N	-0.008	-0.008	-0.008
		Vy	0.775	0.775	0.775
		Vz	-60.329	-60.329	-60.329
		Mt	0.00	0.00	0.00
		My	90.49	102.56	114.63
		Mz	-1.16	-1.32	-1.47
	TB-450 - E1	N	0.001	0.001	0.001
		Vy	-0.217	-0.217	-0.217
		Vz	-0.182	-0.182	-0.182
		Mt	0.00	0.00	0.00
		My	0.27	0.31	0.35
		Mz	0.33	0.37	0.41
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N75/N76	Peso próprio	N	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	-0.235	-0.235	-0.235	-0.235	-0.235	-0.235	-0.235	-0.235	-0.235
		Vz	-8.291	-7.407	-6.522	-6.080	-5.195	-4.311	-3.426	-2.984	-2.099
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	19.48	22.84	25.83	27.18	29.59	31.63	33.29	33.98	35.07
		Mz	0.45	0.55	0.65	0.70	0.80	0.90	1.00	1.05	1.15
	LAJE	N	-0.043	-0.043	-0.043	-0.043	-0.043	-0.043	-0.043	-0.043	-0.043
		Vy	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
		Vz	-74.219	-65.837	-57.454	-53.263	-44.881	-36.499	-28.117	-23.926	-15.544
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	176.32	206.33	232.75	244.61	265.64	283.08	296.93	302.50	310.96
		Mz	-0.06	-0.08	-0.09	-0.10	-0.11	-0.13	-0.14	-0.15	-0.16
	PAVIMENTAÇÃO	N	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024
		Vy	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
		Vz	-43.556	-38.638	-33.721	-31.262	-26.345	-21.427	-16.510	-14.051	-9.133
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	95.66	113.28	128.78	135.75	148.09	158.33	166.46	169.73	174.70
		Mz	-0.04	-0.04	-0.05	-0.06	-0.06	-0.07	-0.08	-0.08	-0.09
	RECAPEAMENTO	N	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	-19.798	-17.563	-15.328	-14.210	-11.975	-9.740	-7.504	-6.387	-4.152
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	43.48	51.49	58.54	61.70	67.31	71.97	75.66	77.15	79.41
		Mz	-0.02	-0.02	-0.02	-0.03	-0.03	-0.03	-0.04	-0.04	-0.04
	GUARDA-RODAS	N	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.53	25.51	25.49	25.48	25.46	25.44	25.42	25.41	25.39
		Mz	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	Vento 0	N	5.862	5.862	5.862	5.862	5.862	5.862	5.862	5.862	5.862
		Vy	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052
		Vz	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		Mz	-0.10	-0.12	-0.14	-0.15	-0.18	-0.20	-0.22	-0.23	-0.25
	Vento 180	N	6.237	6.237	6.237	6.237	6.237	6.237	6.237	6.237	6.237
		Vy	-0.052	-0.052	-0.052	-0.052	-0.052	-0.052	-0.052	-0.052	-0.052
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.10	0.12	0.14	0.15	0.18	0.20	0.22	0.23	0.25
	Multidão - Passeio	N	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.65	14.65	14.64	14.64	14.64	14.63	14.63	14.62	14.62
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033
		Vy	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028
		Vz	-63.367	-56.214	-49.061	-45.485	-38.332	-31.179	-24.027	-20.450	-13.298
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	120.40	146.02	168.58	178.71	196.67	211.57	223.40	228.16	235.39
		Mz	-0.05	-0.06	-0.08	-0.08	-0.09	-0.11	-0.12	-0.12	-0.14

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
	TB-450 - A1	N	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vy	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150
		Vz	-0.219	-0.219	-0.219	-0.219	-0.219	-0.219	-0.219	-0.219	-0.219
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.42	0.51	0.61	0.65	0.75	0.84	0.93	0.98	1.08
		Mz	-0.29	-0.35	-0.41	-0.45	-0.51	-0.57	-0.64	-0.67	-0.74
	TB-450 - A2	N	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vy	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150
		Vz	-0.219	-0.219	-0.219	-0.219	-0.219	-0.219	-0.219	-0.219	-0.219
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.42	0.51	0.60	0.65	0.75	0.84	0.93	0.98	1.08
		Mz	-0.29	-0.35	-0.41	-0.45	-0.51	-0.58	-0.64	-0.67	-0.74
	TB-450 - B1	N	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014
		Vy	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216
		Vz	0.242	0.242	0.242	0.242	0.242	0.242	0.242	0.242	0.242
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.46	-0.56	-0.67	-0.72	-0.82	-0.92	-1.03	-1.08	-1.18
		Mz	0.41	0.50	0.60	0.64	0.74	0.83	0.92	0.97	1.06
	TB-450 - B2	N	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021
		Vy	-0.213	-0.213	-0.213	-0.213	-0.213	-0.213	-0.213	-0.213	-0.213
		Vz	0.242	0.242	0.242	0.242	0.242	0.242	0.242	0.242	0.242
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.46	-0.56	-0.67	-0.72	-0.82	-0.93	-1.03	-1.08	-1.18
		Mz	0.40	0.50	0.59	0.63	0.72	0.81	0.91	0.95	1.04
	TB-450 - C1	N	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034
		Vy	-0.458	-0.458	-0.458	-0.458	-0.458	-0.458	-0.458	-0.458	-0.458
		Vz	-25.046	-25.046	-25.046	-25.046	-25.046	-25.046	-25.046	-25.046	-25.046
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	47.59	58.32	69.06	74.42	85.16	95.89	106.63	111.99	122.73
		Mz	0.87	1.07	1.26	1.36	1.56	1.75	1.95	2.05	2.24
	TB-450 - C2	N	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042
		Vy	-0.454	-0.454	-0.454	-0.454	-0.454	-0.454	-0.454	-0.454	-0.454
		Vz	-59.928	-47.657	-35.387	-29.252	-16.982	-4.712	7.558	13.694	25.964
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	113.86	136.92	154.71	161.64	171.54	176.19	175.58	173.31	164.81
		Mz	0.86	1.06	1.25	1.35	1.54	1.74	1.93	2.03	2.23
	TB-450 - D1	N	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vy	0.768	0.768	0.768	0.768	0.768	0.768	0.768	0.768	0.768
		Vz	-25.314	-25.314	-25.314	-25.314	-25.314	-25.314	-25.314	-25.314	-25.314
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	48.10	58.95	69.79	75.22	86.07	96.92	107.77	113.19	124.04
		Mz	-1.46	-1.79	-2.12	-2.28	-2.61	-2.94	-3.27	-3.43	-3.76
	TB-450 - D2	N	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vy	0.775	0.775	0.775	0.775	0.775	0.775	0.775	0.775	0.775
		Vz	-60.329	-48.012	-35.695	-29.536	-17.219	-4.901	7.416	13.575	25.892
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	114.63	137.84	155.78	162.77	172.79	177.53	176.99	174.74	166.28
		Mz	-1.47	-1.80	-2.14	-2.30	-2.63	-2.97	-3.30	-3.46	-3.80
	TB-450 - E1	N	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vy	-0.217	-0.217	-0.217	-0.217	-0.217	-0.217	-0.217	-0.217	-0.217
		Vz	-0.182	-0.182	-0.182	-0.182	-0.182	-0.182	-0.182	-0.182	-0.182
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.35	0.42	0.50	0.54	0.62	0.70	0.78	0.81	0.89
		Mz	0.41	0.51	0.60	0.65	0.74	0.83	0.92	0.97	1.06

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N76/N36	Peso próprio	N	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	-0.235	-0.235	-0.235	-0.235	-0.235
		Vz	-2.099	-1.673	-1.248	-0.822	-0.396
		Mt	0.00	0.00	0.00	0.00	0.00
		My	35.07	35.45	35.76	35.97	36.09
		Mz	1.15	1.20	1.25	1.30	1.35
	LAJE	N	-0.043	-0.043	-0.043	-0.043	-0.043
		Vy	0.033	0.033	0.033	0.033	0.033
		Vz	-15.544	-11.510	-7.476	-3.442	0.592
		Mt	0.00	0.00	0.00	0.00	0.00
		My	310.96	313.75	315.71	316.84	317.13
		Mz	-0.16	-0.17	-0.18	-0.18	-0.19
	PAVIMENTAÇÃO	N	-0.024	-0.024	-0.024	-0.024	-0.024
		Vy	0.019	0.019	0.019	0.019	0.019
		Vz	-9.133	-6.767	-4.400	-2.034	0.333
		Mt	0.00	0.00	0.00	0.00	0.00
		My	174.70	176.34	177.49	178.15	178.33
		Mz	-0.09	-0.10	-0.10	-0.10	-0.11
	RECAPEAMENTO	N	-0.011	-0.011	-0.011	-0.011	-0.011
		Vy	0.008	0.008	0.008	0.008	0.008
		Vz	-4.152	-3.076	-2.000	-0.924	0.151
		Mt	0.00	0.00	0.00	0.00	0.00
		My	79.41	80.15	80.68	80.98	81.06
		Mz	-0.04	-0.04	-0.05	-0.05	-0.05
	GUARDA-RODAS	N	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	0.002	0.002	0.002	0.002	0.002
		Vz	0.047	0.047	0.047	0.047	0.047
		Mt	0.00	0.00	0.00	0.00	0.00
		My	25.39	25.38	25.37	25.36	25.35
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01
	Vento 0	N	5.862	5.862	5.862	5.862	5.862
		Vy	0.052	0.052	0.052	0.052	0.052
		Vz	-0.002	-0.002	-0.002	-0.002	-0.002
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.01	0.01	0.01	0.01	0.01
		Mz	-0.25	-0.26	-0.27	-0.29	-0.30
	Vento 180	N	6.237	6.237	6.237	6.237	6.237
		Vy	-0.052	-0.052	-0.052	-0.052	-0.052
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.25	0.26	0.28	0.29	0.30
	Multidão - Passeio	N	-0.002	-0.002	-0.002	-0.002	-0.002
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.010	0.010	0.010	0.010	0.010
		Mt	0.00	0.00	0.00	0.00	0.00
		My	14.62	14.62	14.62	14.61	14.61
		Mz	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-0.033	-0.033	-0.033	-0.033	-0.033
		Vy	0.028	0.028	0.028	0.028	0.028
		Vz	-13.298	-9.855	-6.413	-2.971	0.472
		Mt	0.00	0.00	0.00	0.00	0.00
		My	235.39	237.78	239.46	240.43	240.68
		Mz	-0.14	-0.14	-0.15	-0.15	-0.16
	TB-450 - A1	N	0.015	0.015	0.015	0.015	0.015
		Vy	0.150	0.150	0.150	0.150	0.150
		Vz	-0.219	-0.219	-0.219	-0.219	-0.219
		Mt	0.00	0.00	0.00	0.00	0.00
		My	1.08	1.12	1.17	1.21	1.26
		Mz	-0.74	-0.77	-0.80	-0.83	-0.86
	TB-450 - A2	N	0.015	0.015	0.015	0.015	0.015
		Vy	0.150	0.150	0.150	0.150	0.150
		Vz	-0.219	-0.219	-0.219	-0.219	-0.219
		Mt	0.00	0.00	0.00	0.00	0.00
		My	1.08	1.12	1.17	1.21	1.26
		Mz	-0.74	-0.77	-0.80	-0.83	-0.86
	TB-450 - B1	N	-0.014	-0.014	-0.014	-0.014	-0.014
		Vy	-0.216	-0.216	-0.216	-0.216	-0.216
		Vz	0.242	0.242	0.242	0.242	0.242
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-1.18	-1.23	-1.28	-1.33	-1.38
		Mz	1.06	1.10	1.15	1.19	1.24
	TB-450 - B2	N	-0.021	-0.021	-0.021	-0.021	-0.021
		Vy	-0.213	-0.213	-0.213	-0.213	-0.213
		Vz	0.242	0.242	0.242	0.242	0.242
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-1.18	-1.23	-1.28	-1.33	-1.38
		Mz	1.04	1.09	1.13	1.17	1.22
	TB-450 - C1	N	-0.034	-0.034	-0.034	-0.034	-0.034
		Vy	-0.458	-0.458	-0.458	-0.458	-0.458
		Vz	-25.046	-25.046	-25.046	-25.046	-25.046
		Mt	0.00	0.00	0.00	0.00	0.00
		My	122.73	127.89	133.06	138.22	143.39
		Mz	2.24	2.34	2.43	2.53	2.62
	TB-450 - C2	N	-0.042	-0.042	-0.042	-0.042	-0.042
		Vy	-0.454	-0.454	-0.454	-0.454	-0.454
		Vz	25.964	25.964	25.964	25.964	25.964
		Mt	0.00	0.00	0.00	0.00	0.00
		My	164.81	159.45	154.10	148.74	143.39

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Mz	2.23	2.32	2.41	2.51	2.60
	TB-450 - D1	N	0.007	0.007	0.007	0.007	0.007
		Vy	0.768	0.768	0.768	0.768	0.768
		Vz	-25.314	-25.314	-25.314	-25.314	-25.314
		Mt	0.00	0.00	0.00	0.00	0.00
		My	124.04	129.26	134.48	139.70	144.92
		Mz	-3.76	-3.92	-4.08	-4.24	-4.40
	TB-450 - D2	N	-0.008	-0.008	-0.008	-0.008	-0.008
		Vy	0.775	0.775	0.775	0.775	0.775
		Vz	25.892	25.892	25.892	25.892	25.892
		Mt	0.00	0.00	0.00	0.00	0.00
		My	166.28	160.94	155.60	150.26	144.92
		Mz	-3.80	-3.96	-4.12	-4.28	-4.44
	TB-450 - E1	N	0.001	0.001	0.001	0.001	0.001
		Vy	-0.217	-0.217	-0.217	-0.217	-0.217
		Vz	-0.182	-0.182	-0.182	-0.182	-0.182
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.89	0.93	0.97	1.01	1.04
		Mz	1.06	1.11	1.15	1.20	1.24
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N36/N79	Peso próprio	N	-0.002	-0.002	-0.002	-0.002	-0.002
		Vy	0.236	0.236	0.236	0.236	0.236
		Vz	0.396	0.822	1.248	1.673	2.099
		Mt	0.00	0.00	0.00	0.00	0.00
		My	36.09	35.97	35.76	35.45	35.07
		Mz	1.35	1.30	1.25	1.21	1.16
	LAJE	N	-0.042	-0.042	-0.042	-0.042	-0.042
		Vy	-0.033	-0.033	-0.033	-0.033	-0.033
		Vz	-0.592	3.442	7.476	11.510	15.544
		Mt	0.00	0.00	0.00	0.00	0.00
		My	317.13	316.84	315.71	313.75	310.96
		Mz	-0.19	-0.18	-0.17	-0.17	-0.16
	PAVIMENTAÇÃO	N	-0.024	-0.024	-0.024	-0.024	-0.024
		Vy	-0.019	-0.019	-0.019	-0.019	-0.019
		Vz	-0.333	2.034	4.400	6.767	9.133
		Mt	0.00	0.00	0.00	0.00	0.00
		My	178.33	178.15	177.49	176.34	174.70
		Mz	-0.11	-0.10	-0.10	-0.09	-0.09
	RECAPEAMENTO	N	-0.011	-0.011	-0.011	-0.011	-0.011
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Vz	-0.151	0.924	2.000	3.076	4.152
		Mt	0.00	0.00	0.00	0.00	0.00
		My	81.06	80.98	80.68	80.15	79.41
		Mz	-0.05	-0.05	-0.04	-0.04	-0.04
	GUARDA-RODAS	N	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-0.047	-0.047	-0.047	-0.047	-0.047
		Mt	0.00	0.00	0.00	0.00	0.00
		My	25.35	25.36	25.37	25.38	25.39
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01
	Vento 0	N	6.089	6.089	6.089	6.089	6.089
		Vy	0.052	0.052	0.052	0.052	0.052
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.30	0.29	0.27	0.26	0.25
	Vento 180	N	6.005	6.005	6.005	6.005	6.005
		Vy	-0.053	-0.053	-0.053	-0.053	-0.053
		Vz	0.001	0.001	0.001	0.001	0.001
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.01	0.01	0.01	0.01	0.01
		Mz	-0.31	-0.29	-0.28	-0.27	-0.26
	Multidão - Passeio	N	-0.002	-0.002	-0.002	-0.002	-0.002
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.010	-0.010	-0.010	-0.010	-0.010
		Mt	0.00	0.00	0.00	0.00	0.00
		My	14.61	14.61	14.62	14.62	14.62
		Mz	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-0.033	-0.033	-0.033	-0.033	-0.033
		Vy	-0.027	-0.027	-0.027	-0.027	-0.027
		Vz	-0.472	2.971	6.413	9.855	13.298
		Mt	0.00	0.00	0.00	0.00	0.00
		My	240.68	240.43	239.46	237.78	235.39
		Mz	-0.16	-0.15	-0.15	-0.14	-0.13
	TB-450 - A1	N	0.015	0.015	0.015	0.015	0.015
		Vy	-0.150	-0.150	-0.150	-0.150	-0.150
		Vz	0.219	0.219	0.219	0.219	0.219
		Mt	0.00	0.00	0.00	0.00	0.00
		My	1.26	1.21	1.17	1.12	1.08
		Mz	-0.86	-0.83	-0.80	-0.77	-0.74
	TB-450 - A2	N	0.015	0.015	0.015	0.015	0.015
		Vy	-0.150	-0.150	-0.150	-0.150	-0.150
		Vz	0.219	0.219	0.219	0.219	0.219
		Mt	0.00	0.00	0.00	0.00	0.00
		My	1.26	1.21	1.17	1.12	1.08
		Mz	-0.86	-0.83	-0.80	-0.77	-0.74
	TB-450 - B1	N	-0.021	-0.021	-0.021	-0.021	-0.021
		Vy	0.213	0.213	0.213	0.213	0.213
		Vz	-0.241	-0.241	-0.241	-0.241	-0.241

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-1.38	-1.33	-1.28	-1.23	-1.18
		Mz	1.22	1.18	1.13	1.09	1.04
	TB-450 - B2	N	-0.014	-0.014	-0.014	-0.014	-0.014
		Vy	0.216	0.216	0.216	0.216	0.216
		Vz	-0.242	-0.242	-0.242	-0.242	-0.242
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-1.38	-1.33	-1.28	-1.23	-1.18
		Mz	1.24	1.19	1.15	1.10	1.06
	TB-450 - C1	N	-0.042	-0.042	-0.042	-0.042	-0.042
		Vy	0.455	0.455	0.455	0.455	0.455
		Vz	-25.963	-25.963	-25.963	-25.963	-25.963
		Mt	0.00	0.00	0.00	0.00	0.00
		My	143.39	148.74	154.10	159.45	164.81
		Mz	2.60	2.51	2.42	2.32	2.23
	TB-450 - C2	N	-0.035	-0.035	-0.035	-0.035	-0.035
		Vy	0.458	0.458	0.458	0.458	0.458
		Vz	25.046	25.046	25.046	25.046	25.046
		Mt	0.00	0.00	0.00	0.00	0.00
		My	143.39	138.22	133.06	127.89	122.72
		Mz	2.62	2.53	2.43	2.34	2.24
	TB-450 - D1	N	-0.007	-0.007	-0.007	-0.007	-0.007
		Vy	-0.774	-0.774	-0.774	-0.774	-0.774
		Vz	-25.892	-25.892	-25.892	-25.892	-25.892
		Mt	0.00	0.00	0.00	0.00	0.00
		My	144.92	150.26	155.60	160.94	166.28
		Mz	-4.43	-4.27	-4.11	-3.95	-3.79
	TB-450 - D2	N	0.007	0.007	0.007	0.007	0.007
		Vy	-0.768	-0.768	-0.768	-0.768	-0.768
		Vz	25.314	25.314	25.314	25.314	25.314
		Mt	0.00	0.00	0.00	0.00	0.00
		My	144.92	139.70	134.48	129.26	124.04
		Mz	-4.40	-4.24	-4.08	-3.92	-3.76
	TB-450 - E1	N	-0.001	-0.001	-0.001	-0.001	-0.001
		Vy	0.216	0.216	0.216	0.216	0.216
		Vz	0.182	0.182	0.182	0.182	0.182
		Mt	0.00	0.00	0.00	0.00	0.00
		My	1.04	1.01	0.97	0.93	0.89
		Mz	1.24	1.19	1.15	1.11	1.06
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N79/N78	Peso próprio	N	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vy	0.236	0.236	0.236	0.236	0.236	0.236	0.236	0.236	0.236
		Vz	2.099	2.984	3.868	4.311	5.195	6.080	6.964	7.407	8.291
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	35.07	33.98	32.51	31.63	29.59	27.18	24.38	22.84	19.48
		Mz	1.16	1.06	0.95	0.90	0.80	0.70	0.60	0.55	0.45
	LAJE	N	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042
		Vy	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033
		Vz	15.544	23.926	32.308	36.499	44.881	53.263	61.645	65.837	74.219
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	310.96	302.50	290.45	283.08	265.64	244.61	219.99	206.33	176.32
		Mz	-0.16	-0.15	-0.13	-0.13	-0.11	-0.10	-0.08	-0.08	-0.06
	PAVIMENTAÇÃO	N	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024
		Vy	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
		Vz	9.133	14.051	18.968	21.427	26.345	31.262	36.180	38.638	43.556
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	174.70	169.73	162.66	158.33	148.09	135.75	121.29	113.28	95.66
		Mz	-0.09	-0.08	-0.07	-0.07	-0.06	-0.06	-0.05	-0.04	-0.04
	RECAPEAMENTO	N	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	4.152	6.387	8.622	9.740	11.975	14.210	16.445	17.563	19.798
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	79.41	77.15	73.93	71.97	67.31	61.70	55.13	51.49	43.48
		Mz	-0.04	-0.04	-0.03	-0.03	-0.03	-0.03	-0.02	-0.02	-0.02
	GUARDA-RODAS	N	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.39	25.41	25.43	25.44	25.46	25.48	25.50	25.51	25.53
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00
	Vento 0	N	6.089	6.089	6.089	6.089	6.089	6.089	6.089	6.089	6.089
		Vy	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.25	0.23	0.21	0.20	0.18	0.15	0.13	0.12	0.10
	Vento 180	N	6.005	6.005	6.005	6.005	6.005	6.005	6.005	6.005	6.005
		Vy	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053
		Vz	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
		Mz	-0.26	-0.24	-0.22	-0.20	-0.18	-0.16	-0.14	-0.12	-0.10
	Multidão - Passeio	N	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.62	14.62	14.63	14.63	14.64	14.64	14.64	14.65	14.65
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033
		Vy	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027
		Vz	13.298	20.450	27.603	31.179	38.332	45.485	52.638	56.214	63.367
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	235.39	228.16	217.86	211.57	196.67	178.71	157.68	146.02	120.40
		Mz	-0.13	-0.12	-0.11	-0.11	-0.09	-0.08	-0.07	-0.06	-0.05

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
	TB-450 - A1	N	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vy	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150
		Vz	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.08	0.98	0.89	0.84	0.75	0.65	0.56	0.51	0.42
		Mz	-0.74	-0.67	-0.61	-0.58	-0.51	-0.45	-0.38	-0.35	-0.29
	TB-450 - A2	N	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vy	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150
		Vz	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.08	0.98	0.89	0.84	0.75	0.65	0.56	0.51	0.42
		Mz	-0.74	-0.67	-0.61	-0.58	-0.51	-0.45	-0.38	-0.35	-0.29
	TB-450 - B1	N	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021
		Vy	0.213	0.213	0.213	0.213	0.213	0.213	0.213	0.213	0.213
		Vz	-0.241	-0.241	-0.241	-0.241	-0.241	-0.241	-0.241	-0.241	-0.241
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.18	-1.08	-0.98	-0.92	-0.82	-0.72	-0.61	-0.56	-0.46
		Mz	1.04	0.95	0.86	0.82	0.72	0.63	0.54	0.50	0.40
	TB-450 - B2	N	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014
		Vy	0.216	0.216	0.216	0.216	0.216	0.216	0.216	0.216	0.216
		Vz	-0.242	-0.242	-0.242	-0.242	-0.242	-0.242	-0.242	-0.242	-0.242
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.18	-1.08	-0.98	-0.93	-0.82	-0.72	-0.61	-0.56	-0.46
		Mz	1.06	0.97	0.87	0.83	0.73	0.64	0.55	0.50	0.41
	TB-450 - C1	N	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042
		Vy	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455
		Vz	-25.963	-13.693	-1.423	4.712	16.982	29.252	41.523	47.658	59.928
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	164.81	173.31	176.55	176.19	171.55	161.64	146.47	136.92	113.86
		Mz	2.23	2.03	1.84	1.74	1.55	1.35	1.16	1.06	0.86
	TB-450 - C2	N	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035
		Vy	0.458	0.458	0.458	0.458	0.458	0.458	0.458	0.458	0.458
		Vz	25.046	25.046	25.046	25.046	25.046	25.046	25.046	25.046	25.046
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	122.72	111.99	101.26	95.89	85.16	74.42	63.69	58.32	47.59
		Mz	2.24	2.05	1.85	1.75	1.56	1.36	1.16	1.07	0.87
	TB-450 - D1	N	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vy	-0.774	-0.774	-0.774	-0.774	-0.774	-0.774	-0.774	-0.774	-0.774
		Vz	-25.892	-13.574	-1.257	4.902	17.219	29.536	41.854	48.012	60.330
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	166.28	174.74	177.92	177.53	172.79	162.77	147.47	137.84	114.63
		Mz	-3.79	-3.46	-3.13	-2.96	-2.63	-2.30	-1.97	-1.80	-1.47
	TB-450 - D2	N	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vy	-0.768	-0.768	-0.768	-0.768	-0.768	-0.768	-0.768	-0.768	-0.768
		Vz	25.314	25.314	25.314	25.314	25.314	25.314	25.314	25.314	25.314
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	124.04	113.19	102.34	96.91	86.07	75.22	64.37	58.94	48.10
		Mz	-3.76	-3.43	-3.11	-2.94	-2.61	-2.28	-1.95	-1.79	-1.46
	TB-450 - E1	N	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vy	0.216	0.216	0.216	0.216	0.216	0.216	0.216	0.216	0.216
		Vz	0.182	0.182	0.182	0.182	0.182	0.182	0.182	0.182	0.182
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.89	0.82	0.74	0.70	0.62	0.54	0.46	0.42	0.35
		Mz	1.06	0.97	0.87	0.83	0.74	0.64	0.55	0.50	0.41

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N78/N77	Peso próprio	N	-0.002	-0.002	-0.002
		Vy	0.236	0.236	0.236
		Vz	8.291	8.704	9.117
		Mt	0.00	0.00	0.00
		My	19.48	17.78	16.00
		Mz	0.45	0.40	0.35
	LAJE	N	-0.042	-0.042	-0.042
		Vy	-0.033	-0.033	-0.033
		Vz	74.219	78.130	82.042
		Mt	0.00	0.00	0.00
		My	176.32	161.08	145.07
		Mz	-0.06	-0.06	-0.05
	PAVIMENTAÇÃO	N	-0.024	-0.024	-0.024
		Vy	-0.019	-0.019	-0.019
		Vz	43.556	43.556	43.556
		Mt	0.00	0.00	0.00
		My	95.66	86.95	78.24
		Mz	-0.04	-0.03	-0.03
	RECAPEAMENTO	N	-0.011	-0.011	-0.011
		Vy	-0.008	-0.008	-0.008
		Vz	19.798	19.798	19.798
		Mt	0.00	0.00	0.00
		My	43.48	39.52	35.56
		Mz	-0.02	-0.01	-0.01
	GUARDA-RODAS	N	-0.004	-0.004	-0.004
		Vy	-0.002	-0.002	-0.002
		Vz	-0.047	7.489	15.026
		Mt	0.00	0.00	0.00
		My	25.53	24.79	22.54
		Mz	0.00	0.00	0.00
	Vento 0	N	6.089	6.089	6.089
		Vy	0.052	0.052	0.052
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.10	0.09	0.08
	Vento 180	N	6.005	6.005	6.005
		Vy	-0.053	-0.053	-0.053
		Vz	0.001	0.001	0.001
		Mt	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		My	0.00	0.00	0.00
		Mz	-0.10	-0.09	-0.08
	Multidão - Passeio	N	-0.002	-0.002	-0.002
		Vy	0.000	0.000	0.000
		Vz	-0.010	-0.010	-0.010
		Mt	0.00	0.00	0.00
		My	14.65	14.65	14.65
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	-0.033	-0.033	-0.033
		Vy	-0.027	-0.027	-0.027
		Vz	63.367	63.367	63.367
		Mt	0.00	0.00	0.00
		My	120.40	107.72	95.05
		Mz	-0.05	-0.05	-0.04
	TB-450 - A1	N	0.015	0.015	0.015
		Vy	-0.150	-0.150	-0.150
		Vz	0.219	0.219	0.219
		Mt	0.00	0.00	0.00
		My	0.42	0.37	0.33
		Mz	-0.29	-0.26	-0.23
	TB-450 - A2	N	0.015	0.015	0.015
		Vy	-0.150	-0.150	-0.150
		Vz	0.219	0.219	0.219
		Mt	0.00	0.00	0.00
		My	0.42	0.37	0.33
		Mz	-0.29	-0.26	-0.23
	TB-450 - B1	N	-0.021	-0.021	-0.021
		Vy	0.213	0.213	0.213
		Vz	-0.241	-0.241	-0.241
		Mt	0.00	0.00	0.00
		My	-0.46	-0.41	-0.36
		Mz	0.40	0.36	0.32
	TB-450 - B2	N	-0.014	-0.014	-0.014
		Vy	0.216	0.216	0.216
		Vz	-0.242	-0.242	-0.242
		Mt	0.00	0.00	0.00
		My	-0.46	-0.41	-0.36
		Mz	0.41	0.37	0.32
	TB-450 - C1	N	-0.042	-0.042	-0.042
		Vy	0.455	0.455	0.455
		Vz	59.928	59.928	59.928
		Mt	0.00	0.00	0.00
		My	113.86	101.88	89.89
		Mz	0.86	0.77	0.68
	TB-450 - C2	N	-0.035	-0.035	-0.035
		Vy	0.458	0.458	0.458
		Vz	25.046	25.046	25.046
		Mt	0.00	0.00	0.00
		My	47.59	42.58	37.57

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Mz	0.87	0.78	0.69
	TB-450 - D1	N	-0.007	-0.007	-0.007
		Vy	-0.774	-0.774	-0.774
		Vz	60.330	60.330	60.330
		Mt	0.00	0.00	0.00
		My	114.63	102.56	90.49
		Mz	-1.47	-1.32	-1.16
	TB-450 - D2	N	0.007	0.007	0.007
		Vy	-0.768	-0.768	-0.768
		Vz	25.314	25.314	25.314
		Mt	0.00	0.00	0.00
		My	48.10	43.03	37.97
		Mz	-1.46	-1.31	-1.15
	TB-450 - E1	N	-0.001	-0.001	-0.001
		Vy	0.216	0.216	0.216
		Vz	0.182	0.182	0.182
		Mt	0.00	0.00	0.00
		My	0.35	0.31	0.27
		Mz	0.41	0.37	0.32
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N77/N24	Peso próprio	N	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vy	0.236	0.236	0.236	0.236	0.236	0.236	0.236	0.236	0.236
		Vz	9.117	9.504	9.891	10.278	10.665	11.052	11.439	11.826	12.213
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	16.00	14.25	12.43	10.54	8.58	6.54	4.43	2.25	0.00
		Mz	0.35	0.31	0.27	0.22	0.18	0.13	0.09	0.04	0.00
	LAJE	N	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042
		Vy	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033
		Vz	82.042	85.709	89.376	93.043	96.711	100.378	104.045	107.712	111.379
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	145.07	129.34	112.93	95.82	78.03	59.56	40.39	20.54	0.00
		Mz	-0.05	-0.04	-0.04	-0.03	-0.02	-0.02	-0.01	-0.01	0.00
	PAVIMENTAÇÃO	N	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024
		Vy	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
		Vz	43.556	45.707	47.859	50.010	52.162	54.313	56.464	58.616	60.767
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	78.24	69.87	61.10	51.93	42.35	32.37	21.98	11.19	0.00
		Mz	-0.03	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	0.00
	RECAPEAMENTO	N	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	19.798	20.776	21.754	22.732	23.710	24.688	25.666	26.644	27.621
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		My	35.56	31.76	27.77	23.60	19.25	14.71	9.99	5.09	0.00
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	15.026	15.026	15.026	15.026	15.026	15.026	15.026	15.026	15.026
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	22.54	19.72	16.90	14.09	11.27	8.45	5.63	2.82	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	6.089	6.089	6.089	6.089	6.089	6.089	6.089	6.089	6.089
		Vy	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.01	0.00
	Vento 180	N	6.005	6.005	6.005	6.005	6.005	6.005	6.005	6.005	6.005
		Vy	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053
		Vz	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	-0.08	-0.07	-0.06	-0.05	-0.04	-0.03	-0.02	-0.01	0.00
	Multidão - Passeio	N	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.010	2.435	4.880	7.325	9.769	12.214	14.659	17.104	19.548
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.65	14.43	13.74	12.60	10.99	8.93	6.41	3.44	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033
		Vy	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027
		Vz	63.367	63.367	63.367	63.367	63.367	63.367	63.367	63.367	63.367
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	95.05	83.17	71.29	59.41	47.53	35.64	23.76	11.88	0.00
		Mz	-0.04	-0.04	-0.03	-0.03	-0.02	-0.02	-0.01	-0.01	0.00
	TB-450 - A1	N	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vy	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150
		Vz	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.33	0.29	0.25	0.21	0.16	0.12	0.08	0.04	0.00
		Mz	-0.23	-0.20	-0.17	-0.14	-0.11	-0.08	-0.06	-0.03	0.00
	TB-450 - A2	N	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vy	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150
		Vz	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.33	0.29	0.25	0.21	0.16	0.12	0.08	0.04	0.00
		Mz	-0.23	-0.20	-0.17	-0.14	-0.11	-0.08	-0.06	-0.03	0.00
	TB-450 - B1	N	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021
		Vy	0.213	0.213	0.213	0.213	0.213	0.213	0.213	0.213	0.213
		Vz	-0.241	-0.241	-0.241	-0.241	-0.241	-0.241	-0.241	-0.241	-0.241
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.36	-0.32	-0.27	-0.23	-0.18	-0.14	-0.09	-0.05	0.00
		Mz	0.32	0.28	0.24	0.20	0.16	0.12	0.08	0.04	0.00
	TB-450 - B2	N	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014
		Vy	0.216	0.216	0.216	0.216	0.216	0.216	0.216	0.216	0.216
		Vz	-0.242	-0.242	-0.242	-0.242	-0.242	-0.242	-0.242	-0.242	-0.242
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		My	-0.36	-0.32	-0.27	-0.23	-0.18	-0.14	-0.09	-0.05	0.00
		Mz	0.32	0.28	0.24	0.20	0.16	0.12	0.08	0.04	0.00
	TB-450 - C1	N	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042
		Vy	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455	0.455
		Vz	59.928	59.928	59.928	59.928	59.928	59.928	59.928	59.928	59.928
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	89.89	78.66	67.42	56.18	44.95	33.71	22.47	11.24	0.00
		Mz	0.68	0.60	0.51	0.43	0.34	0.26	0.17	0.09	0.00
	TB-450 - C2	N	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035
		Vy	0.458	0.458	0.458	0.458	0.458	0.458	0.458	0.458	0.458
		Vz	25.046	25.046	25.046	25.046	25.046	25.046	25.046	25.046	25.046
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	37.57	32.87	28.18	23.48	18.78	14.09	9.39	4.70	0.00
		Mz	0.69	0.60	0.52	0.43	0.34	0.26	0.17	0.09	0.00
	TB-450 - D1	N	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vy	-0.774	-0.774	-0.774	-0.774	-0.774	-0.774	-0.774	-0.774	-0.774
		Vz	60.330	60.330	60.330	60.330	60.330	60.330	60.330	60.330	60.330
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	90.49	79.18	67.87	56.56	45.25	33.94	22.62	11.31	0.00
		Mz	-1.16	-1.02	-0.87	-0.73	-0.58	-0.44	-0.29	-0.15	0.00
	TB-450 - D2	N	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vy	-0.768	-0.768	-0.768	-0.768	-0.768	-0.768	-0.768	-0.768	-0.768
		Vz	25.314	25.314	25.314	25.314	25.314	25.314	25.314	25.314	25.314
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	37.97	33.22	28.48	23.73	18.99	14.24	9.49	4.75	0.00
		Mz	-1.15	-1.01	-0.86	-0.72	-0.58	-0.43	-0.29	-0.14	0.00
	TB-450 - E1	N	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vy	0.216	0.216	0.216	0.216	0.216	0.216	0.216	0.216	0.216
		Vz	0.182	0.182	0.182	0.182	0.182	0.182	0.182	0.182	0.182
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.27	0.24	0.21	0.17	0.14	0.10	0.07	0.03	0.00
		Mz	0.32	0.28	0.24	0.20	0.16	0.12	0.08	0.04	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N198/N68	Peso próprio	N	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159
		Vy	0.316	0.316	0.316	0.316	0.316	0.316	0.316	0.316	0.316
		Vz	-12.020	-11.633	-11.246	-10.859	-10.472	-10.085	-9.698	-9.311	-8.924
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	2.22	4.36	6.43	8.43	10.36	12.22	14.00	15.71
		Mz	0.00	-0.06	-0.12	-0.18	-0.24	-0.30	-0.36	-0.41	-0.47
	LAJE	N	-2.461	-2.461	-2.461	-2.461	-2.461	-2.461	-2.461	-2.461	-2.461
		Vy	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135
		Vz	-111.856	-108.182	-104.508	-100.833	-97.159	-93.485	-89.811	-86.136	-82.462
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	20.63	40.57	59.82	78.38	96.25	113.44	129.93	145.74
		Mz	0.00	-0.03	-0.05	-0.08	-0.10	-0.13	-0.15	-0.18	-0.20
	PAVIMENTAÇÃO	N	-1.379	-1.379	-1.379	-1.379	-1.379	-1.379	-1.379	-1.379	-1.379

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Vy	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075
		Vz	-61.033	-58.877	-56.721	-54.566	-52.410	-50.255	-48.099	-45.944	-43.788
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	11.24	22.08	32.51	42.54	52.17	61.39	70.20	78.62
		Mz	0.00	-0.01	-0.03	-0.04	-0.06	-0.07	-0.08	-0.10	-0.11
	RECAPEAMENTO	N	-0.627	-0.627	-0.627	-0.627	-0.627	-0.627	-0.627	-0.627	-0.627
		Vy	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034
		Vz	-27.742	-26.762	-25.782	-24.803	-23.823	-22.843	-21.863	-20.884	-19.904
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	5.11	10.04	14.78	19.34	23.71	27.90	31.91	35.73
		Mz	0.00	-0.01	-0.01	-0.02	-0.03	-0.03	-0.04	-0.04	-0.05
	GUARDA-RODAS	N	-0.214	-0.214	-0.214	-0.214	-0.214	-0.214	-0.214	-0.214	-0.214
		Vy	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vz	-15.073	-15.073	-15.073	-15.073	-15.073	-15.073	-15.073	-15.073	-15.073
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	2.83	5.65	8.48	11.30	14.13	16.96	19.78	22.61
		Mz	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02
	Vento 0	N	-18.554	-18.554	-18.554	-18.554	-18.554	-18.554	-18.554	-18.554	-18.554
		Vy	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028
		Vz	-0.579	-0.579	-0.579	-0.579	-0.579	-0.579	-0.579	-0.579	-0.579
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.11	0.22	0.33	0.43	0.54	0.65	0.76	0.87
		Mz	0.00	-0.01	-0.01	-0.02	-0.02	-0.03	-0.03	-0.04	-0.04
	Vento 180	N	2.257	2.257	2.257	2.257	2.257	2.257	2.257	2.257	2.257
		Vy	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
		Vz	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.10	-0.20	-0.31	-0.41	-0.51	-0.61	-0.71	-0.81
		Mz	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04
	Multidão - Passeio	N	-0.092	-0.092	-0.092	-0.092	-0.092	-0.092	-0.092	-0.092	-0.092
		Vy	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Vz	-19.582	-17.133	-14.683	-12.234	-9.784	-7.335	-4.885	-2.436	0.014
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	3.44	6.42	8.95	11.01	12.62	13.76	14.45	14.68
		Mz	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02
	Multidão - TB450	N	-1.888	-1.888	-1.888	-1.888	-1.888	-1.888	-1.888	-1.888	-1.888
		Vy	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093
		Vz	-63.709	-63.709	-63.709	-63.709	-63.709	-63.709	-63.709	-63.709	-63.709
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	11.95	23.89	35.84	47.78	59.73	71.67	83.62	95.56
		Mz	0.00	-0.02	-0.03	-0.05	-0.07	-0.09	-0.10	-0.12	-0.14
	TB-450 - A1	N	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vy	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147
		Vz	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02
		Mz	0.00	-0.03	-0.05	-0.08	-0.11	-0.14	-0.16	-0.19	-0.22
	TB-450 - A2	N	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021
		Vy	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147
		Vz	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02
		Mz	0.00	-0.03	-0.05	-0.08	-0.11	-0.14	-0.16	-0.19	-0.22
	TB-450 - B1	N	-1.157	-1.157	-1.157	-1.157	-1.157	-1.157	-1.157	-1.157	-1.157
		Vy	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181
		Vz	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		My	0.00	0.00	-0.01	-0.01	-0.01	-0.02	-0.02	-0.03	-0.03
		Mz	0.00	0.03	0.07	0.10	0.14	0.17	0.20	0.24	0.27
	TB-450 - B2	N	-1.148	-1.148	-1.148	-1.148	-1.148	-1.148	-1.148	-1.148	-1.148
		Vy	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180
		Vz	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
		Mz	0.00	0.03	0.07	0.10	0.14	0.17	0.20	0.24	0.27
	TB-450 - C1	N	-2.130	-2.130	-2.130	-2.130	-2.130	-2.130	-2.130	-2.130	-2.130
		Vy	-0.332	-0.332	-0.332	-0.332	-0.332	-0.332	-0.332	-0.332	-0.332
		Vz	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	-0.01	-0.01	-0.02	-0.02	-0.02	-0.03	-0.03
		Mz	0.00	0.06	0.12	0.19	0.25	0.31	0.37	0.44	0.50
	TB-450 - C2	N	-2.120	-2.120	-2.120	-2.120	-2.120	-2.120	-2.120	-2.120	-2.120
		Vy	-0.331	-0.331	-0.331	-0.331	-0.331	-0.331	-0.331	-0.331	-0.331
		Vz	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01
		Mz	0.00	0.06	0.12	0.19	0.25	0.31	0.37	0.43	0.50
	TB-450 - D1	N	-1.342	-1.342	-1.342	-1.342	-1.342	-1.342	-1.342	-1.342	-1.342
		Vy	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180
		Vz	-50.921	-50.921	-50.921	-50.921	-50.921	-50.921	-50.921	-50.921	-50.921
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	9.55	19.10	28.64	38.19	47.74	57.29	66.83	76.38
		Mz	0.00	-0.03	-0.07	-0.10	-0.13	-0.17	-0.20	-0.24	-0.27
	TB-450 - D2	N	-1.594	-1.594	-1.594	-1.594	-1.594	-1.594	-1.594	-1.594	-1.594
		Vy	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183
		Vz	-120.906	-120.906	-120.906	-120.906	-120.906	-120.906	-120.906	-120.906	-120.906
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	22.67	45.34	68.01	90.68	113.35	136.02	158.69	181.36
		Mz	0.00	-0.03	-0.07	-0.10	-0.14	-0.17	-0.21	-0.24	-0.27
	TB-450 - E1	N	0.339	0.339	0.339	0.339	0.339	0.339	0.339	0.339	0.339
		Vy	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303
		Vz	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	-0.06	-0.11	-0.17	-0.23	-0.28	-0.34	-0.40	-0.46
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N68/N69	Peso próprio	N	-0.159	-0.159	-0.159
		Vy	0.316	0.316	0.316
		Vz	-8.924	-8.511	-8.098
		Mt	0.00	0.00	0.00
		My	15.71	17.45	19.11
		Mz	-0.47	-0.54	-0.60
	LAJE	N	-2.461	-2.461	-2.461

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Vy	0.135	0.135	0.135
		Vz	-82.462	-78.543	-74.624
		Mt	0.00	0.00	0.00
		My	145.74	161.84	177.16
		Mz	-0.20	-0.23	-0.26
	PAVIMENTAÇÃO	N	-1.379	-1.379	-1.379
		Vy	0.075	0.075	0.075
		Vz	-43.788	-43.788	-43.788
		Mt	0.00	0.00	0.00
		My	78.62	87.37	96.13
		Mz	-0.11	-0.13	-0.14
	RECAPEAMENTO	N	-0.627	-0.627	-0.627
		Vy	0.034	0.034	0.034
		Vz	-19.904	-19.904	-19.904
		Mt	0.00	0.00	0.00
		My	35.73	39.72	43.70
		Mz	-0.05	-0.06	-0.06
	GUARDA-RODAS	N	-0.214	-0.214	-0.214
		Vy	0.014	0.014	0.014
		Vz	-15.073	-7.522	0.029
		Mt	0.00	0.00	0.00
		My	22.61	24.87	25.62
		Mz	-0.02	-0.02	-0.03
	Vento 0	N	-18.554	-18.554	-18.554
		Vy	0.028	0.028	0.028
		Vz	-0.579	-0.579	-0.579
		Mt	0.00	0.00	0.00
		My	0.87	0.98	1.10
		Mz	-0.04	-0.05	-0.05
	Vento 180	N	2.257	2.257	2.257
		Vy	-0.025	-0.025	-0.025
		Vz	0.542	0.542	0.542
		Mt	0.00	0.00	0.00
		My	-0.81	-0.92	-1.03
		Mz	0.04	0.04	0.05
	Multidão - Passeio	N	-0.092	-0.092	-0.092
		Vy	0.012	0.012	0.012
		Vz	0.014	0.014	0.014
		Mt	0.00	0.00	0.00
		My	14.68	14.67	14.67
		Mz	-0.02	-0.02	-0.02
	Multidão - TB450	N	-1.888	-1.888	-1.888
		Vy	0.093	0.093	0.093
		Vz	-63.709	-63.709	-63.709
		Mt	0.00	0.00	0.00
		My	95.56	108.31	121.05
		Mz	-0.14	-0.16	-0.18
	TB-450 - A1	N	-0.008	-0.008	-0.008
		Vy	0.147	0.147	0.147

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Vz	-0.012	-0.012	-0.012
		Mt	0.00	0.00	0.00
		My	0.02	0.02	0.02
		Mz	-0.22	-0.25	-0.28
	TB-450 - A2	N	-0.021	-0.021	-0.021
		Vy	0.147	0.147	0.147
		Vz	-0.013	-0.013	-0.013
		Mt	0.00	0.00	0.00
		My	0.02	0.02	0.02
		Mz	-0.22	-0.25	-0.28
	TB-450 - B1	N	-1.157	-1.157	-1.157
		Vy	-0.181	-0.181	-0.181
		Vz	0.020	0.020	0.020
		Mt	0.00	0.00	0.00
		My	-0.03	-0.03	-0.04
		Mz	0.27	0.31	0.34
	TB-450 - B2	N	-1.148	-1.148	-1.148
		Vy	-0.180	-0.180	-0.180
		Vz	-0.004	-0.004	-0.004
		Mt	0.00	0.00	0.00
		My	0.01	0.01	0.01
		Mz	0.27	0.31	0.34
	TB-450 - C1	N	-2.130	-2.130	-2.130
		Vy	-0.332	-0.332	-0.332
		Vz	0.022	0.022	0.022
		Mt	0.00	0.00	0.00
		My	-0.03	-0.04	-0.04
		Mz	0.50	0.56	0.63
	TB-450 - C2	N	-2.120	-2.120	-2.120
		Vy	-0.331	-0.331	-0.331
		Vz	-0.007	-0.007	-0.007
		Mt	0.00	0.00	0.00
		My	0.01	0.01	0.01
		Mz	0.50	0.56	0.63
	TB-450 - D1	N	-1.342	-1.342	-1.342
		Vy	0.180	0.180	0.180
		Vz	-50.921	-50.921	-50.921
		Mt	0.00	0.00	0.00
		My	76.38	86.57	96.75
		Mz	-0.27	-0.31	-0.34
	TB-450 - D2	N	-1.594	-1.594	-1.594
		Vy	0.183	0.183	0.183
		Vz	-120.906	-120.906	-120.906
		Mt	0.00	0.00	0.00
		My	181.36	205.54	229.72
		Mz	-0.27	-0.31	-0.35
	TB-450 - E1	N	0.339	0.339	0.339
		Vy	0.303	0.303	0.303
		Vz	0.002	0.002	0.002

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	-0.46	-0.52	-0.58
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N69/N70	Peso próprio	N	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159
		Vy	0.316	0.316	0.316	0.316	0.316	0.316	0.316	0.316	0.316
		Vz	-8.098	-7.213	-6.329	-5.886	-5.002	-4.117	-3.233	-2.790	-1.906
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	19.11	22.39	25.29	26.60	28.94	30.89	32.47	33.11	34.12
		Mz	-0.60	-0.74	-0.87	-0.94	-1.07	-1.21	-1.35	-1.41	-1.55
	LAJE	N	-2.461	-2.461	-2.461	-2.461	-2.461	-2.461	-2.461	-2.461	-2.461
		Vy	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135
		Vz	-74.624	-66.226	-57.828	-53.628	-45.230	-36.832	-28.434	-24.235	-15.837
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	177.16	207.34	233.92	245.86	267.05	284.63	298.62	304.26	312.85
		Mz	-0.26	-0.31	-0.37	-0.40	-0.46	-0.52	-0.58	-0.60	-0.66
	PAVIMENTAÇÃO	N	-1.379	-1.379	-1.379	-1.379	-1.379	-1.379	-1.379	-1.379	-1.379
		Vy	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075
		Vz	-43.788	-38.861	-33.934	-31.471	-26.544	-21.617	-16.690	-14.227	-9.300
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	96.13	113.84	129.44	136.45	148.88	159.20	167.41	170.72	175.76
		Mz	-0.14	-0.17	-0.21	-0.22	-0.25	-0.29	-0.32	-0.34	-0.37
	RECAPEAMENTO	N	-0.627	-0.627	-0.627	-0.627	-0.627	-0.627	-0.627	-0.627	-0.627
		Vy	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034
		Vz	-19.904	-17.664	-15.425	-14.305	-12.065	-9.826	-7.586	-6.467	-4.227
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	43.70	51.75	58.84	62.02	67.67	72.36	76.09	77.60	79.89
		Mz	-0.06	-0.08	-0.09	-0.10	-0.12	-0.13	-0.15	-0.15	-0.17
	GUARDA-RODAS	N	-0.214	-0.214	-0.214	-0.214	-0.214	-0.214	-0.214	-0.214	-0.214
		Vy	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vz	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.62	25.61	25.59	25.59	25.57	25.56	25.55	25.54	25.53
		Mz	-0.03	-0.03	-0.04	-0.04	-0.05	-0.05	-0.06	-0.06	-0.07
	Vento 0	N	-18.554	-18.554	-18.554	-18.554	-18.554	-18.554	-18.554	-18.554	-18.554
		Vy	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028
		Vz	-0.579	-0.579	-0.579	-0.579	-0.579	-0.579	-0.579	-0.579	-0.579
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.10	1.35	1.60	1.72	1.97	2.21	2.46	2.59	2.83
		Mz	-0.05	-0.06	-0.08	-0.08	-0.09	-0.11	-0.12	-0.12	-0.13
	Vento 180	N	2.257	2.257	2.257	2.257	2.257	2.257	2.257	2.257	2.257
		Vy	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
		Vz	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.03	-1.26	-1.50	-1.61	-1.84	-2.08	-2.31	-2.43	-2.66
		Mz	0.05	0.06	0.07	0.07	0.09	0.10	0.11	0.11	0.12

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
	Multidão - Passeio	N	-0.092	-0.092	-0.092	-0.092	-0.092	-0.092	-0.092	-0.092	-0.092
		Vy	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Vz	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.67	14.67	14.66	14.66	14.65	14.64	14.64	14.64	14.63
		Mz	-0.02	-0.03	-0.03	-0.04	-0.04	-0.05	-0.05	-0.06	-0.06
	Multidão - TB450	N	-1.888	-1.888	-1.888	-1.888	-1.888	-1.888	-1.888	-1.888	-1.888
		Vy	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093
		Vz	-63.709	-56.543	-49.376	-45.793	-38.627	-31.460	-24.294	-20.711	-13.544
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	121.05	146.82	169.51	179.71	197.80	212.82	224.77	229.59	236.93
		Mz	-0.18	-0.22	-0.26	-0.28	-0.32	-0.36	-0.40	-0.42	-0.46
	TB-450 - A1	N	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vy	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147
		Vz	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.06
		Mz	-0.28	-0.34	-0.40	-0.44	-0.50	-0.56	-0.62	-0.66	-0.72
	TB-450 - A2	N	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021
		Vy	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147
		Vz	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.03	0.04	0.04	0.04	0.05	0.06	0.06	0.06
		Mz	-0.28	-0.34	-0.40	-0.44	-0.50	-0.56	-0.62	-0.66	-0.72
	TB-450 - B1	N	-1.157	-1.157	-1.157	-1.157	-1.157	-1.157	-1.157	-1.157	-1.157
		Vy	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181
		Vz	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.04	-0.05	-0.05	-0.06	-0.07	-0.08	-0.08	-0.09	-0.10
		Mz	0.34	0.42	0.50	0.54	0.62	0.69	0.77	0.81	0.89
	TB-450 - B2	N	-1.148	-1.148	-1.148	-1.148	-1.148	-1.148	-1.148	-1.148	-1.148
		Vy	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180
		Vz	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02
		Mz	0.34	0.42	0.50	0.53	0.61	0.69	0.77	0.81	0.88
	TB-450 - C1	N	-2.130	-2.130	-2.130	-2.130	-2.130	-2.130	-2.130	-2.130	-2.130
		Vy	-0.332	-0.332	-0.332	-0.332	-0.332	-0.332	-0.332	-0.332	-0.332
		Vz	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.04	-0.05	-0.06	-0.06	-0.07	-0.08	-0.09	-0.10	-0.11
		Mz	0.63	0.77	0.92	0.99	1.13	1.27	1.41	1.49	1.63
	TB-450 - C2	N	-2.120	-2.120	-2.120	-2.120	-2.120	-2.120	-2.120	-2.120	-2.120
		Vy	-0.331	-0.331	-0.331	-0.331	-0.331	-0.331	-0.331	-0.331	-0.331
		Vz	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03
		Mz	0.63	0.77	0.91	0.98	1.12	1.27	1.41	1.48	1.62
	TB-450 - D1	N	-1.342	-1.342	-1.342	-1.342	-1.342	-1.342	-1.342	-1.342	-1.342
		Vy	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180
		Vz	-50.921	-50.921	-50.921	-50.921	-50.921	-50.921	-50.921	-50.921	-50.921
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	96.75	118.57	140.40	151.31	173.13	194.96	216.78	227.69	249.51
		Mz	-0.34	-0.42	-0.49	-0.53	-0.61	-0.69	-0.76	-0.80	-0.88
	TB-450 - D2	N	-1.594	-1.594	-1.594	-1.594	-1.594	-1.594	-1.594	-1.594	-1.594
		Vy	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183
		Vz	-120.906	-96.271	-71.637	-59.319	-34.685	-10.050	14.585	26.902	51.537

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	229.72	276.26	312.24	326.27	346.41	356.00	355.03	350.58	333.78
		Mz	-0.35	-0.43	-0.50	-0.54	-0.62	-0.70	-0.78	-0.82	-0.90
	TB-450 - E1	N	0.339	0.339	0.339	0.339	0.339	0.339	0.339	0.339	0.339
		Vy	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303
		Vz	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		Mz	-0.58	-0.71	-0.84	-0.90	-1.03	-1.16	-1.29	-1.36	-1.49
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N70/N35	Peso próprio	N	-0.159	-0.159	-0.159	-0.159	-0.159
		Vy	0.316	0.316	0.316	0.316	0.316
		Vz	-1.906	-1.480	-1.054	-0.629	-0.203
		Mt	0.00	0.00	0.00	0.00	0.00
		My	34.12	34.47	34.73	34.90	34.99
		Mz	-1.55	-1.61	-1.68	-1.74	-1.81
	LAJE	N	-2.461	-2.461	-2.461	-2.461	-2.461
		Vy	0.135	0.135	0.135	0.135	0.135
		Vz	-15.837	-11.795	-7.753	-3.712	0.330
		Mt	0.00	0.00	0.00	0.00	0.00
		My	312.85	315.70	317.71	318.89	319.24
		Mz	-0.66	-0.69	-0.72	-0.75	-0.77
	PAVIMENTAÇÃO	N	-1.379	-1.379	-1.379	-1.379	-1.379
		Vy	0.075	0.075	0.075	0.075	0.075
		Vz	-9.300	-6.929	-4.558	-2.186	0.185
		Mt	0.00	0.00	0.00	0.00	0.00
		My	175.76	177.44	178.62	179.32	179.52
		Mz	-0.37	-0.38	-0.40	-0.41	-0.43
	RECAPEAMENTO	N	-0.627	-0.627	-0.627	-0.627	-0.627
		Vy	0.034	0.034	0.034	0.034	0.034
		Vz	-4.227	-3.149	-2.072	-0.994	0.084
		Mt	0.00	0.00	0.00	0.00	0.00
		My	79.89	80.65	81.19	81.51	81.60
		Mz	-0.17	-0.17	-0.18	-0.19	-0.20
	GUARDA-RODAS	N	-0.214	-0.214	-0.214	-0.214	-0.214
		Vy	0.014	0.014	0.014	0.014	0.014
		Vz	0.029	0.029	0.029	0.029	0.029
		Mt	0.00	0.00	0.00	0.00	0.00
		My	25.53	25.52	25.52	25.51	25.51
		Mz	-0.07	-0.07	-0.08	-0.08	-0.08
	Vento 0	N	-18.554	-18.554	-18.554	-18.554	-18.554
		Vy	0.028	0.028	0.028	0.028	0.028

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Vz	-0.579	-0.579	-0.579	-0.579	-0.579
		Mt	0.00	0.00	0.00	0.00	0.00
		My	2.83	2.95	3.07	3.19	3.31
		Mz	-0.13	-0.14	-0.15	-0.15	-0.16
	Vento 180	N	2.257	2.257	2.257	2.257	2.257
		Vy	-0.025	-0.025	-0.025	-0.025	-0.025
		Vz	0.542	0.542	0.542	0.542	0.542
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-2.66	-2.77	-2.88	-2.99	-3.10
		Mz	0.12	0.13	0.13	0.14	0.14
	Multidão - Passeio	N	-0.092	-0.092	-0.092	-0.092	-0.092
		Vy	0.012	0.012	0.012	0.012	0.012
		Vz	0.014	0.014	0.014	0.014	0.014
		Mt	0.00	0.00	0.00	0.00	0.00
		My	14.63	14.63	14.62	14.62	14.62
		Mz	-0.06	-0.06	-0.07	-0.07	-0.07
	Multidão - TB450	N	-1.888	-1.888	-1.888	-1.888	-1.888
		Vy	0.093	0.093	0.093	0.093	0.093
		Vz	-13.544	-10.095	-6.647	-3.198	0.251
		Mt	0.00	0.00	0.00	0.00	0.00
		My	236.93	239.37	241.09	242.11	242.41
		Mz	-0.46	-0.48	-0.50	-0.51	-0.53
	TB-450 - A1	N	-0.008	-0.008	-0.008	-0.008	-0.008
		Vy	0.147	0.147	0.147	0.147	0.147
		Vz	-0.012	-0.012	-0.012	-0.012	-0.012
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.06	0.06	0.07	0.07	0.07
		Mz	-0.72	-0.75	-0.78	-0.81	-0.84
	TB-450 - A2	N	-0.021	-0.021	-0.021	-0.021	-0.021
		Vy	0.147	0.147	0.147	0.147	0.147
		Vz	-0.013	-0.013	-0.013	-0.013	-0.013
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.06	0.07	0.07	0.07	0.07
		Mz	-0.72	-0.75	-0.78	-0.81	-0.84
	TB-450 - B1	N	-1.157	-1.157	-1.157	-1.157	-1.157
		Vy	-0.181	-0.181	-0.181	-0.181	-0.181
		Vz	0.020	0.020	0.020	0.020	0.020
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.10	-0.10	-0.11	-0.11	-0.11
		Mz	0.89	0.93	0.96	1.00	1.04
	TB-450 - B2	N	-1.148	-1.148	-1.148	-1.148	-1.148
		Vy	-0.180	-0.180	-0.180	-0.180	-0.180
		Vz	-0.004	-0.004	-0.004	-0.004	-0.004
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.02	0.02	0.02	0.02
		Mz	0.88	0.92	0.96	0.99	1.03
	TB-450 - C1	N	-2.130	-2.130	-2.130	-2.130	-2.130
		Vy	-0.332	-0.332	-0.332	-0.332	-0.332
		Vz	0.022	0.022	0.022	0.022	0.022

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.11	-0.11	-0.12	-0.12	-0.13
		Mz	1.63	1.70	1.76	1.83	1.90
	TB-450 - C2	N	-2.120	-2.120	-2.120	-2.120	-2.120
		Vy	-0.331	-0.331	-0.331	-0.331	-0.331
		Vz	-0.007	-0.007	-0.007	-0.007	-0.007
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.03	0.03	0.03	0.04	0.04
		Mz	1.62	1.69	1.76	1.83	1.89
	TB-450 - D1	N	-1.342	-1.342	-1.342	-1.342	-1.342
		Vy	0.180	0.180	0.180	0.180	0.180
		Vz	-50.921	-50.921	-50.921	-50.921	-50.921
		Mt	0.00	0.00	0.00	0.00	0.00
		My	249.51	260.02	270.52	281.02	291.52
		Mz	-0.88	-0.92	-0.95	-0.99	-1.03
	TB-450 - D2	N	-1.594	-1.594	-1.594	-1.594	-1.594
		Vy	0.183	0.183	0.183	0.183	0.183
		Vz	51.537	51.537	51.537	51.537	51.537
		Mt	0.00	0.00	0.00	0.00	0.00
		My	333.78	323.15	312.52	301.89	291.26
		Mz	-0.90	-0.93	-0.97	-1.01	-1.05
	TB-450 - E1	N	0.339	0.339	0.339	0.339	0.339
		Vy	0.303	0.303	0.303	0.303	0.303
		Vz	0.002	0.002	0.002	0.002	0.002
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.01	-0.01	-0.01	-0.01	-0.01
		Mz	-1.49	-1.55	-1.61	-1.67	-1.74
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N35/N73	Peso próprio	N	0.069	0.069	0.069	0.069	0.069
		Vy	-0.315	-0.315	-0.315	-0.315	-0.315
		Vz	0.210	0.636	1.062	1.487	1.913
		Mt	0.00	0.00	0.00	0.00	0.00
		My	35.03	34.94	34.77	34.50	34.15
		Mz	-1.80	-1.74	-1.67	-1.61	-1.54
	LAJE	N	-2.428	-2.428	-2.428	-2.428	-2.428
		Vy	-0.135	-0.135	-0.135	-0.135	-0.135
		Vz	-0.332	3.710	7.752	11.793	15.835
		Mt	0.00	0.00	0.00	0.00	0.00
		My	319.23	318.89	317.70	315.69	312.84
		Mz	-0.77	-0.75	-0.72	-0.69	-0.66

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
	PAVIMENTAÇÃO	N	-1.360	-1.360	-1.360	-1.360	-1.360
		Vy	-0.075	-0.075	-0.075	-0.075	-0.075
		Vz	-0.186	2.185	4.557	6.928	9.299
		Mt	0.00	0.00	0.00	0.00	0.00
		My	179.52	179.31	178.62	177.43	175.76
		Mz	-0.43	-0.41	-0.40	-0.38	-0.37
	RECAPEAMENTO	N	-0.618	-0.618	-0.618	-0.618	-0.618
		Vy	-0.034	-0.034	-0.034	-0.034	-0.034
		Vz	-0.084	0.993	2.071	3.149	4.227
		Mt	0.00	0.00	0.00	0.00	0.00
		My	81.60	81.51	81.19	80.65	79.89
		Mz	-0.19	-0.19	-0.18	-0.17	-0.17
	GUARDA-RODAS	N	-0.209	-0.209	-0.209	-0.209	-0.209
		Vy	-0.014	-0.014	-0.014	-0.014	-0.014
		Vz	-0.029	-0.029	-0.029	-0.029	-0.029
		Mt	0.00	0.00	0.00	0.00	0.00
		My	25.51	25.51	25.52	25.52	25.53
		Mz	-0.08	-0.08	-0.08	-0.07	-0.07
	Vento 0	N	3.891	3.891	3.891	3.891	3.891
		Vy	0.027	0.027	0.027	0.027	0.027
		Vz	-0.576	-0.576	-0.576	-0.576	-0.576
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-3.30	-3.18	-3.06	-2.94	-2.82
		Mz	0.16	0.15	0.15	0.14	0.13
	Vento 180	N	-18.866	-18.866	-18.866	-18.866	-18.866
		Vy	-0.026	-0.026	-0.026	-0.026	-0.026
		Vz	0.544	0.544	0.544	0.544	0.544
		Mt	0.00	0.00	0.00	0.00	0.00
		My	3.12	3.00	2.89	2.78	2.67
		Mz	-0.15	-0.15	-0.14	-0.14	-0.13
	Multidão - Passeio	N	-0.086	-0.086	-0.086	-0.086	-0.086
		Vy	-0.012	-0.012	-0.012	-0.012	-0.012
		Vz	-0.014	-0.014	-0.014	-0.014	-0.014
		Mt	0.00	0.00	0.00	0.00	0.00
		My	14.62	14.62	14.62	14.63	14.63
		Mz	-0.07	-0.07	-0.07	-0.06	-0.06
	Multidão - TB450	N	-1.868	-1.868	-1.868	-1.868	-1.868
		Vy	-0.093	-0.093	-0.093	-0.093	-0.093
		Vz	-0.252	3.197	6.646	10.094	13.543
		Mt	0.00	0.00	0.00	0.00	0.00
		My	242.41	242.10	241.09	239.36	236.92
		Mz	-0.53	-0.51	-0.50	-0.48	-0.46
	TB-450 - A1	N	-0.018	-0.018	-0.018	-0.018	-0.018
		Vy	-0.147	-0.147	-0.147	-0.147	-0.147
		Vz	0.013	0.013	0.013	0.013	0.013
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.07	0.07	0.07	0.07	0.06
		Mz	-0.84	-0.81	-0.78	-0.75	-0.72
	TB-450 - A2	N	-0.005	-0.005	-0.005	-0.005	-0.005

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Vy	-0.147	-0.147	-0.147	-0.147	-0.147
		Vz	0.012	0.012	0.012	0.012	0.012
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.07	0.07	0.06	0.06	0.06
		Mz	-0.84	-0.81	-0.78	-0.75	-0.72
	TB-450 - B1	N	-1.152	-1.152	-1.152	-1.152	-1.152
		Vy	0.180	0.180	0.180	0.180	0.180
		Vz	0.004	0.004	0.004	0.004	0.004
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.02	0.02	0.02	0.02
		Mz	1.03	0.99	0.96	0.92	0.88
	TB-450 - B2	N	-1.154	-1.154	-1.154	-1.154	-1.154
		Vy	0.181	0.181	0.181	0.181	0.181
		Vz	-0.020	-0.020	-0.020	-0.020	-0.020
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.11	-0.11	-0.11	-0.10	-0.10
		Mz	1.04	1.00	0.96	0.92	0.89
	TB-450 - C1	N	-2.124	-2.124	-2.124	-2.124	-2.124
		Vy	0.331	0.331	0.331	0.331	0.331
		Vz	0.006	0.006	0.006	0.006	0.006
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.04	0.03	0.03	0.03	0.03
		Mz	1.89	1.83	1.76	1.69	1.62
	TB-450 - C2	N	-2.126	-2.126	-2.126	-2.126	-2.126
		Vy	0.332	0.332	0.332	0.332	0.332
		Vz	-0.022	-0.022	-0.022	-0.022	-0.022
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.13	-0.12	-0.12	-0.11	-0.11
		Mz	1.90	1.83	1.76	1.69	1.63
	TB-450 - D1	N	-1.587	-1.587	-1.587	-1.587	-1.587
		Vy	-0.182	-0.182	-0.182	-0.182	-0.182
		Vz	-51.537	-51.537	-51.537	-51.537	-51.537
		Mt	0.00	0.00	0.00	0.00	0.00
		My	291.26	301.88	312.51	323.14	333.77
		Mz	-1.04	-1.01	-0.97	-0.93	-0.89
	TB-450 - D2	N	-1.331	-1.331	-1.331	-1.331	-1.331
		Vy	-0.180	-0.180	-0.180	-0.180	-0.180
		Vz	50.921	50.921	50.921	50.921	50.921
		Mt	0.00	0.00	0.00	0.00	0.00
		My	291.52	281.02	270.52	260.01	249.51
		Mz	-1.03	-0.99	-0.96	-0.92	-0.88
	TB-450 - E1	N	0.107	0.107	0.107	0.107	0.107
		Vy	-0.305	-0.305	-0.305	-0.305	-0.305
		Vz	-0.009	-0.009	-0.009	-0.009	-0.009
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.05	-0.05	-0.05	-0.05	-0.05
		Mz	-1.75	-1.68	-1.62	-1.56	-1.49
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N73/N72	Peso próprio	N	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069
		Vy	-0.315	-0.315	-0.315	-0.315	-0.315	-0.315	-0.315	-0.315	-0.315
		Vz	1.913	2.798	3.682	4.124	5.009	5.894	6.778	7.221	8.105
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	34.15	33.14	31.75	30.92	28.96	26.62	23.91	22.41	19.13
		Mz	-1.54	-1.41	-1.27	-1.20	-1.07	-0.93	-0.80	-0.73	-0.60
	LAJE	N	-2.428	-2.428	-2.428	-2.428	-2.428	-2.428	-2.428	-2.428	-2.428
		Vy	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135
		Vz	15.835	24.233	32.631	36.830	45.229	53.627	62.025	66.224	74.622
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	312.84	304.25	292.07	284.62	267.04	245.86	221.07	207.33	177.15
		Mz	-0.66	-0.60	-0.55	-0.52	-0.46	-0.40	-0.34	-0.31	-0.26
	PAVIMENTAÇÃO	N	-1.360	-1.360	-1.360	-1.360	-1.360	-1.360	-1.360	-1.360	-1.360
		Vy	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075
		Vz	9.299	14.226	19.153	21.616	26.543	31.470	36.397	38.860	43.787
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	175.76	170.72	163.56	159.20	148.88	136.45	121.90	113.84	96.13
		Mz	-0.37	-0.33	-0.30	-0.29	-0.25	-0.22	-0.19	-0.17	-0.14
	RECAPEAMENTO	N	-0.618	-0.618	-0.618	-0.618	-0.618	-0.618	-0.618	-0.618	-0.618
		Vy	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034
		Vz	4.227	6.466	8.706	9.825	12.065	14.305	16.544	17.664	19.903
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	79.89	77.60	74.35	72.36	67.67	62.02	55.41	51.75	43.70
		Mz	-0.17	-0.15	-0.14	-0.13	-0.12	-0.10	-0.09	-0.08	-0.06
	GUARDA-RODAS	N	-0.209	-0.209	-0.209	-0.209	-0.209	-0.209	-0.209	-0.209	-0.209
		Vy	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014
		Vz	-0.029	-0.029	-0.029	-0.029	-0.029	-0.029	-0.029	-0.029	-0.029
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.53	25.54	25.55	25.56	25.57	25.59	25.60	25.60	25.62
		Mz	-0.07	-0.06	-0.06	-0.05	-0.05	-0.04	-0.04	-0.03	-0.03
	Vento 0	N	3.891	3.891	3.891	3.891	3.891	3.891	3.891	3.891	3.891
		Vy	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027
		Vz	-0.576	-0.576	-0.576	-0.576	-0.576	-0.576	-0.576	-0.576	-0.576
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.82	-2.58	-2.33	-2.21	-1.96	-1.71	-1.47	-1.34	-1.10
		Mz	0.13	0.12	0.11	0.11	0.09	0.08	0.07	0.06	0.05
	Vento 180	N	-18.866	-18.866	-18.866	-18.866	-18.866	-18.866	-18.866	-18.866	-18.866
		Vy	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026
		Vz	0.544	0.544	0.544	0.544	0.544	0.544	0.544	0.544	0.544
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.67	2.43	2.20	2.08	1.85	1.62	1.38	1.27	1.03
		Mz	-0.13	-0.12	-0.11	-0.10	-0.09	-0.08	-0.07	-0.06	-0.05
	Multidão - Passeio	N	-0.086	-0.086	-0.086	-0.086	-0.086	-0.086	-0.086	-0.086	-0.086
		Vy	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Vz	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.63	14.63	14.64	14.64	14.65	14.66	14.66	14.66	14.67
		Mz	-0.06	-0.06	-0.05	-0.05	-0.04	-0.04	-0.03	-0.03	-0.02
	Multidão - TB450	N	-1.868	-1.868	-1.868	-1.868	-1.868	-1.868	-1.868	-1.868	-1.868
		Vy	-0.093	-0.093	-0.093	-0.093	-0.093	-0.093	-0.093	-0.093	-0.093
		Vz	13.543	20.710	27.876	31.459	38.626	45.792	52.959	56.542	63.708
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	236.92	229.58	219.17	212.81	197.80	179.71	158.55	146.81	121.05
		Mz	-0.46	-0.42	-0.38	-0.36	-0.32	-0.28	-0.24	-0.22	-0.18
	TB-450 - A1	N	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018
		Vy	-0.147	-0.147	-0.147	-0.147	-0.147	-0.147	-0.147	-0.147	-0.147
		Vz	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.06	0.06	0.05	0.05	0.04	0.04	0.03	0.03	0.02
		Mz	-0.72	-0.66	-0.59	-0.56	-0.50	-0.44	-0.37	-0.34	-0.28
	TB-450 - A2	N	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vy	-0.147	-0.147	-0.147	-0.147	-0.147	-0.147	-0.147	-0.147	-0.147
		Vz	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.06	0.05	0.05	0.05	0.04	0.04	0.03	0.03	0.02
		Mz	-0.72	-0.66	-0.59	-0.56	-0.50	-0.44	-0.37	-0.34	-0.28
	TB-450 - B1	N	-1.152	-1.152	-1.152	-1.152	-1.152	-1.152	-1.152	-1.152	-1.152
		Vy	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180
		Vz	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01
		Mz	0.88	0.81	0.73	0.69	0.61	0.54	0.46	0.42	0.34
	TB-450 - B2	N	-1.154	-1.154	-1.154	-1.154	-1.154	-1.154	-1.154	-1.154	-1.154
		Vy	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181
		Vz	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.10	-0.09	-0.08	-0.08	-0.07	-0.06	-0.05	-0.05	-0.04
		Mz	0.89	0.81	0.73	0.69	0.62	0.54	0.46	0.42	0.34
	TB-450 - C1	N	-2.124	-2.124	-2.124	-2.124	-2.124	-2.124	-2.124	-2.124	-2.124
		Vy	0.331	0.331	0.331	0.331	0.331	0.331	0.331	0.331	0.331
		Vz	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.01	0.01
		Mz	1.62	1.48	1.34	1.27	1.13	0.98	0.84	0.77	0.63
	TB-450 - C2	N	-2.126	-2.126	-2.126	-2.126	-2.126	-2.126	-2.126	-2.126	-2.126
		Vy	0.332	0.332	0.332	0.332	0.332	0.332	0.332	0.332	0.332
		Vz	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.11	-0.10	-0.09	-0.09	-0.08	-0.07	-0.06	-0.05	-0.04
		Mz	1.63	1.48	1.34	1.27	1.13	0.99	0.84	0.77	0.63
	TB-450 - D1	N	-1.587	-1.587	-1.587	-1.587	-1.587	-1.587	-1.587	-1.587	-1.587
		Vy	-0.182	-0.182	-0.182	-0.182	-0.182	-0.182	-0.182	-0.182	-0.182
		Vz	-51.537	-26.902	-2.268	10.050	34.684	59.319	83.954	96.271	120.906
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	333.77	350.58	356.83	356.00	346.41	326.27	295.57	276.26	229.72
		Mz	-0.89	-0.82	-0.74	-0.70	-0.62	-0.54	-0.46	-0.42	-0.35
	TB-450 - D2	N	-1.331	-1.331	-1.331	-1.331	-1.331	-1.331	-1.331	-1.331	-1.331
		Vy	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180
		Vz	50.921	50.921	50.921	50.921	50.921	50.921	50.921	50.921	50.921

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	249.51	227.69	205.87	194.95	173.13	151.31	129.48	118.57	96.75
		Mz	-0.88	-0.80	-0.73	-0.69	-0.61	-0.53	-0.46	-0.42	-0.34
	TB-450 - E1	N	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107
		Vy	-0.305	-0.305	-0.305	-0.305	-0.305	-0.305	-0.305	-0.305	-0.305
		Vz	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.05	-0.04	-0.04	-0.04	-0.03	-0.03	-0.02	-0.02	-0.02
		Mz	-1.49	-1.36	-1.23	-1.17	-1.04	-0.91	-0.78	-0.71	-0.58
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N72/N71	Peso próprio	N	0.069	0.069	0.069
		Vy	-0.315	-0.315	-0.315
		Vz	8.105	8.518	8.931
		Mt	0.00	0.00	0.00
		My	19.13	17.46	15.72
		Mz	-0.60	-0.53	-0.47
	LAJE	N	-2.428	-2.428	-2.428
		Vy	-0.135	-0.135	-0.135
		Vz	74.622	78.541	82.461
		Mt	0.00	0.00	0.00
		My	177.15	161.84	145.74
		Mz	-0.26	-0.23	-0.20
	PAVIMENTAÇÃO	N	-1.360	-1.360	-1.360
		Vy	-0.075	-0.075	-0.075
		Vz	43.787	43.787	43.787
		Mt	0.00	0.00	0.00
		My	96.13	87.37	78.61
		Mz	-0.14	-0.13	-0.11
	RECAPEAMENTO	N	-0.618	-0.618	-0.618
		Vy	-0.034	-0.034	-0.034
		Vz	19.903	19.903	19.903
		Mt	0.00	0.00	0.00
		My	43.70	39.71	35.73
		Mz	-0.06	-0.06	-0.05
	GUARDA-RODAS	N	-0.209	-0.209	-0.209
		Vy	-0.014	-0.014	-0.014
		Vz	-0.029	7.522	15.073
		Mt	0.00	0.00	0.00
		My	25.62	24.87	22.61
		Mz	-0.03	-0.02	-0.02
	Vento 0	N	3.891	3.891	3.891

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Vy	0.027	0.027	0.027
		Vz	-0.576	-0.576	-0.576
		Mt	0.00	0.00	0.00
		My	-1.10	-0.98	-0.86
		Mz	0.05	0.05	0.04
	Vento 180	N	-18.866	-18.866	-18.866
		Vy	-0.026	-0.026	-0.026
		Vz	0.544	0.544	0.544
		Mt	0.00	0.00	0.00
		My	1.03	0.93	0.82
		Mz	-0.05	-0.04	-0.04
	Multidão - Passeio	N	-0.086	-0.086	-0.086
		Vy	-0.012	-0.012	-0.012
		Vz	-0.014	-0.014	-0.014
		Mt	0.00	0.00	0.00
		My	14.67	14.67	14.68
		Mz	-0.02	-0.02	-0.02
	Multidão - TB450	N	-1.868	-1.868	-1.868
		Vy	-0.093	-0.093	-0.093
		Vz	63.708	63.708	63.708
		Mt	0.00	0.00	0.00
		My	121.05	108.30	95.56
		Mz	-0.18	-0.16	-0.14
	TB-450 - A1	N	-0.018	-0.018	-0.018
		Vy	-0.147	-0.147	-0.147
		Vz	0.013	0.013	0.013
		Mt	0.00	0.00	0.00
		My	0.02	0.02	0.02
		Mz	-0.28	-0.25	-0.22
	TB-450 - A2	N	-0.005	-0.005	-0.005
		Vy	-0.147	-0.147	-0.147
		Vz	0.012	0.012	0.012
		Mt	0.00	0.00	0.00
		My	0.02	0.02	0.02
		Mz	-0.28	-0.25	-0.22
	TB-450 - B1	N	-1.152	-1.152	-1.152
		Vy	0.180	0.180	0.180
		Vz	0.004	0.004	0.004
		Mt	0.00	0.00	0.00
		My	0.01	0.01	0.01
		Mz	0.34	0.31	0.27
	TB-450 - B2	N	-1.154	-1.154	-1.154
		Vy	0.181	0.181	0.181
		Vz	-0.020	-0.020	-0.020
		Mt	0.00	0.00	0.00
		My	-0.04	-0.03	-0.03
		Mz	0.34	0.31	0.27
	TB-450 - C1	N	-2.124	-2.124	-2.124
		Vy	0.331	0.331	0.331

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Vz	0.006	0.006	0.006
		Mt	0.00	0.00	0.00
		My	0.01	0.01	0.01
		Mz	0.63	0.56	0.50
	TB-450 - C2	N	-2.126	-2.126	-2.126
		Vy	0.332	0.332	0.332
		Vz	-0.022	-0.022	-0.022
		Mt	0.00	0.00	0.00
		My	-0.04	-0.04	-0.03
		Mz	0.63	0.56	0.50
	TB-450 - D1	N	-1.587	-1.587	-1.587
		Vy	-0.182	-0.182	-0.182
		Vz	120.906	120.906	120.906
		Mt	0.00	0.00	0.00
		My	229.72	205.54	181.36
		Mz	-0.35	-0.31	-0.27
	TB-450 - D2	N	-1.331	-1.331	-1.331
		Vy	-0.180	-0.180	-0.180
		Vz	50.921	50.921	50.921
		Mt	0.00	0.00	0.00
		My	96.75	86.57	76.38
		Mz	-0.34	-0.31	-0.27
	TB-450 - E1	N	0.107	0.107	0.107
		Vy	-0.305	-0.305	-0.305
		Vz	-0.009	-0.009	-0.009
		Mt	0.00	0.00	0.00
		My	-0.02	-0.02	-0.01
		Mz	-0.58	-0.52	-0.46
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N71/N26	Peso próprio	N	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069
		Vy	-0.315	-0.315	-0.315	-0.315	-0.315	-0.315	-0.315	-0.315	-0.315
		Vz	8.931	9.318	9.705	10.092	10.479	10.866	11.253	11.640	12.027
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	15.72	14.01	12.22	10.37	8.44	6.44	4.36	2.22	0.00
		Mz	-0.47	-0.41	-0.35	-0.29	-0.24	-0.18	-0.12	-0.06	0.00
	LAJE	N	-2.428	-2.428	-2.428	-2.428	-2.428	-2.428	-2.428	-2.428	-2.428
		Vy	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135
		Vz	82.461	86.135	89.809	93.483	97.157	100.832	104.506	108.180	111.854
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	145.74	129.93	113.44	96.25	78.38	59.82	40.57	20.63	0.00
		Mz	-0.20	-0.18	-0.15	-0.13	-0.10	-0.08	-0.05	-0.03	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
	PAVIMENTAÇÃO	N	-1.360	-1.360	-1.360	-1.360	-1.360	-1.360	-1.360	-1.360	-1.360
		Vy	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075
		Vz	43.787	45.943	48.098	50.254	52.409	54.565	56.721	58.876	61.032
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	78.61	70.20	61.39	52.17	42.54	32.51	22.08	11.24	0.00
		Mz	-0.11	-0.10	-0.08	-0.07	-0.06	-0.04	-0.03	-0.01	0.00
	RECAPEAMENTO	N	-0.618	-0.618	-0.618	-0.618	-0.618	-0.618	-0.618	-0.618	-0.618
		Vy	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034
		Vz	19.903	20.883	21.863	22.843	23.822	24.802	25.782	26.762	27.742
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	35.73	31.91	27.90	23.71	19.34	14.78	10.04	5.11	0.00
		Mz	-0.05	-0.04	-0.04	-0.03	-0.03	-0.02	-0.01	-0.01	0.00
	GUARDA-RODAS	N	-0.209	-0.209	-0.209	-0.209	-0.209	-0.209	-0.209	-0.209	-0.209
		Vy	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014
		Vz	15.073	15.073	15.073	15.073	15.073	15.073	15.073	15.073	15.073
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	22.61	19.78	16.96	14.13	11.30	8.48	5.65	2.83	0.00
		Mz	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00
	Vento 0	N	3.891	3.891	3.891	3.891	3.891	3.891	3.891	3.891	3.891
		Vy	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027
		Vz	-0.576	-0.576	-0.576	-0.576	-0.576	-0.576	-0.576	-0.576	-0.576
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.86	-0.76	-0.65	-0.54	-0.43	-0.32	-0.22	-0.11	0.00
		Mz	0.04	0.04	0.03	0.03	0.02	0.02	0.01	0.01	0.00
	Vento 180	N	-18.866	-18.866	-18.866	-18.866	-18.866	-18.866	-18.866	-18.866	-18.866
		Vy	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026
		Vz	0.544	0.544	0.544	0.544	0.544	0.544	0.544	0.544	0.544
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.82	0.71	0.61	0.51	0.41	0.31	0.20	0.10	0.00
		Mz	-0.04	-0.03	-0.03	-0.02	-0.02	-0.01	-0.01	0.00	0.00
	Multidão - Passeio	N	-0.086	-0.086	-0.086	-0.086	-0.086	-0.086	-0.086	-0.086	-0.086
		Vy	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Vz	-0.014	2.436	4.885	7.335	9.784	12.233	14.683	17.132	19.582
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.68	14.45	13.76	12.62	11.01	8.95	6.42	3.44	0.00
		Mz	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
	Multidão - TB450	N	-1.868	-1.868	-1.868	-1.868	-1.868	-1.868	-1.868	-1.868	-1.868
		Vy	-0.093	-0.093	-0.093	-0.093	-0.093	-0.093	-0.093	-0.093	-0.093
		Vz	63.708	63.708	63.708	63.708	63.708	63.708	63.708	63.708	63.708
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	95.56	83.62	71.67	59.73	47.78	35.84	23.89	11.95	0.00
		Mz	-0.14	-0.12	-0.10	-0.09	-0.07	-0.05	-0.03	-0.02	0.00
	TB-450 - A1	N	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018
		Vy	-0.147	-0.147	-0.147	-0.147	-0.147	-0.147	-0.147	-0.147	-0.147
		Vz	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.00
		Mz	-0.22	-0.19	-0.16	-0.14	-0.11	-0.08	-0.05	-0.03	0.00
	TB-450 - A2	N	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vy	-0.147	-0.147	-0.147	-0.147	-0.147	-0.147	-0.147	-0.147	-0.147
		Vz	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.00
		Mz	-0.22	-0.19	-0.16	-0.14	-0.11	-0.08	-0.05	-0.03	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
	TB-450 - B1	N	-1.152	-1.152	-1.152	-1.152	-1.152	-1.152	-1.152	-1.152	-1.152
		Vy	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180
		Vz	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.27	0.24	0.20	0.17	0.14	0.10	0.07	0.03	0.00
	TB-450 - B2	N	-1.154	-1.154	-1.154	-1.154	-1.154	-1.154	-1.154	-1.154	-1.154
		Vy	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181
		Vz	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.03	-0.03	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	0.00
		Mz	0.27	0.24	0.20	0.17	0.14	0.10	0.07	0.03	0.00
	TB-450 - C1	N	-2.124	-2.124	-2.124	-2.124	-2.124	-2.124	-2.124	-2.124	-2.124
		Vy	0.331	0.331	0.331	0.331	0.331	0.331	0.331	0.331	0.331
		Vz	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
		Mz	0.50	0.43	0.37	0.31	0.25	0.19	0.12	0.06	0.00
	TB-450 - C2	N	-2.126	-2.126	-2.126	-2.126	-2.126	-2.126	-2.126	-2.126	-2.126
		Vy	0.332	0.332	0.332	0.332	0.332	0.332	0.332	0.332	0.332
		Vz	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.03	-0.03	-0.02	-0.02	-0.02	-0.01	-0.01	0.00	0.00
		Mz	0.50	0.44	0.37	0.31	0.25	0.19	0.12	0.06	0.00
	TB-450 - D1	N	-1.587	-1.587	-1.587	-1.587	-1.587	-1.587	-1.587	-1.587	-1.587
		Vy	-0.182	-0.182	-0.182	-0.182	-0.182	-0.182	-0.182	-0.182	-0.182
		Vz	120.906	120.906	120.906	120.906	120.906	120.906	120.906	120.906	120.906
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	181.36	158.69	136.02	113.35	90.68	68.01	45.34	22.67	0.00
		Mz	-0.27	-0.24	-0.21	-0.17	-0.14	-0.10	-0.07	-0.03	0.00
	TB-450 - D2	N	-1.331	-1.331	-1.331	-1.331	-1.331	-1.331	-1.331	-1.331	-1.331
		Vy	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180	-0.180
		Vz	50.921	50.921	50.921	50.921	50.921	50.921	50.921	50.921	50.921
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	76.38	66.83	57.29	47.74	38.19	28.64	19.10	9.55	0.00
		Mz	-0.27	-0.24	-0.20	-0.17	-0.13	-0.10	-0.07	-0.03	0.00
	TB-450 - E1	N	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107
		Vy	-0.305	-0.305	-0.305	-0.305	-0.305	-0.305	-0.305	-0.305	-0.305
		Vz	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
		Mz	-0.46	-0.40	-0.34	-0.29	-0.23	-0.17	-0.11	-0.06	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N197/N62	Peso próprio	N	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123
		Vy	0.790	0.790	0.790	0.790	0.790	0.790	0.790	0.790	0.790

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Vz	-72.391	-72.004	-71.617	-71.230	-70.843	-70.456	-70.069	-69.682	-69.295
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	13.54	27.00	40.39	53.71	66.96	80.13	93.24	106.26
		Mz	0.00	-0.15	-0.30	-0.44	-0.59	-0.74	-0.89	-1.04	-1.19
	LAJE	N	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206
		Vy	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247
		Vz	-111.802	-108.127	-104.453	-100.779	-97.105	-93.431	-89.756	-86.082	-82.408
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	20.62	40.55	59.79	78.34	96.20	113.38	129.86	145.66
		Mz	0.00	-0.05	-0.09	-0.14	-0.19	-0.23	-0.28	-0.32	-0.37
	PAVIMENTAÇÃO	N	0.112	0.112	0.112	0.112	0.112	0.112	0.112	0.112	0.112
		Vy	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137
		Vz	-61.002	-58.847	-56.691	-54.536	-52.380	-50.225	-48.069	-45.914	-43.758
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	11.24	22.07	32.50	42.52	52.14	61.35	70.16	78.57
		Mz	0.00	-0.03	-0.05	-0.08	-0.10	-0.13	-0.15	-0.18	-0.20
	RECAPEAMENTO	N	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051
		Vy	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
		Vz	-27.728	-26.749	-25.769	-24.789	-23.809	-22.829	-21.850	-20.870	-19.890
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	5.11	10.03	14.77	19.33	23.70	27.89	31.89	35.71
		Mz	0.00	-0.01	-0.02	-0.03	-0.05	-0.06	-0.07	-0.08	-0.09
	GUARDA-RODAS	N	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029
		Vy	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028
		Vz	-15.068	-15.068	-15.068	-15.068	-15.068	-15.068	-15.068	-15.068	-15.068
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	2.83	5.65	8.48	11.30	14.13	16.95	19.78	22.60
		Mz	0.00	-0.01	-0.01	-0.02	-0.02	-0.03	-0.03	-0.04	-0.04
	Vento 0	N	-34.584	-34.584	-34.584	-34.584	-34.584	-34.584	-34.584	-34.584	-34.584
		Vy	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047
		Vz	-0.399	-0.399	-0.399	-0.399	-0.399	-0.399	-0.399	-0.399	-0.399
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.07	0.15	0.22	0.30	0.37	0.45	0.52	0.60
		Mz	0.00	-0.01	-0.02	-0.03	-0.04	-0.04	-0.05	-0.06	-0.07
	Vento 180	N	-18.414	-18.414	-18.414	-18.414	-18.414	-18.414	-18.414	-18.414	-18.414
		Vy	-0.036	-0.036	-0.036	-0.036	-0.036	-0.036	-0.036	-0.036	-0.036
		Vz	0.212	0.212	0.212	0.212	0.212	0.212	0.212	0.212	0.212
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.04	-0.08	-0.12	-0.16	-0.20	-0.24	-0.28	-0.32
		Mz	0.00	0.01	0.01	0.02	0.03	0.03	0.04	0.05	0.05
	Multidão - Passeio	N	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039
		Vy	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029
		Vz	-19.579	-17.129	-14.680	-12.230	-9.781	-7.331	-4.882	-2.432	0.017
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	3.44	6.42	8.95	11.01	12.61	13.76	14.44	14.67
		Mz	0.00	-0.01	-0.01	-0.02	-0.02	-0.03	-0.03	-0.04	-0.04
	Multidão - TB450	N	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113
		Vy	0.162	0.162	0.162	0.162	0.162	0.162	0.162	0.162	0.162
		Vz	-63.670	-63.670	-63.670	-63.670	-63.670	-63.670	-63.670	-63.670	-63.670
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	11.94	23.88	35.81	47.75	59.69	71.63	83.57	95.50
		Mz	0.00	-0.03	-0.06	-0.09	-0.12	-0.15	-0.18	-0.21	-0.24
	TB-450 - A1	N	-1.021	-1.021	-1.021	-1.021	-1.021	-1.021	-1.021	-1.021	-1.021
		Vy	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146
		Vz	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Mz	0.00	-0.03	-0.05	-0.08	-0.11	-0.14	-0.16	-0.19	-0.22
	TB-450 - A2	N	-1.019	-1.019	-1.019	-1.019	-1.019	-1.019	-1.019	-1.019	-1.019
		Vy	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146
		Vz	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02
		Mz	0.00	-0.03	-0.05	-0.08	-0.11	-0.14	-0.16	-0.19	-0.22
	TB-450 - B1	N	-1.440	-1.440	-1.440	-1.440	-1.440	-1.440	-1.440	-1.440	-1.440
		Vy	-0.151	-0.151	-0.151	-0.151	-0.151	-0.151	-0.151	-0.151	-0.151
		Vz	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04
		Mz	0.00	0.03	0.06	0.08	0.11	0.14	0.17	0.20	0.23
	TB-450 - B2	N	-0.555	-0.555	-0.555	-0.555	-0.555	-0.555	-0.555	-0.555	-0.555
		Vy	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150
		Vz	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.03
		Mz	0.00	0.03	0.06	0.08	0.11	0.14	0.17	0.20	0.23
	TB-450 - C1	N	-2.382	-2.382	-2.382	-2.382	-2.382	-2.382	-2.382	-2.382	-2.382
		Vy	-0.282	-0.282	-0.282	-0.282	-0.282	-0.282	-0.282	-0.282	-0.282
		Vz	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.02	0.03	0.03	0.04	0.05	0.06	0.07
		Mz	0.00	0.05	0.11	0.16	0.21	0.26	0.32	0.37	0.42
	TB-450 - C2	N	-1.360	-1.360	-1.360	-1.360	-1.360	-1.360	-1.360	-1.360	-1.360
		Vy	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281
		Vz	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.06
		Mz	0.00	0.05	0.11	0.16	0.21	0.26	0.32	0.37	0.42
	TB-450 - D1	N	-1.584	-1.584	-1.584	-1.584	-1.584	-1.584	-1.584	-1.584	-1.584
		Vy	-0.244	-0.244	-0.244	-0.244	-0.244	-0.244	-0.244	-0.244	-0.244
		Vz	-25.435	-25.435	-25.435	-25.435	-25.435	-25.435	-25.435	-25.435	-25.435
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	4.77	9.54	14.31	19.08	23.84	28.61	33.38	38.15
		Mz	0.00	0.05	0.09	0.14	0.18	0.23	0.27	0.32	0.37
	TB-450 - D2	N	-1.334	-1.334	-1.334	-1.334	-1.334	-1.334	-1.334	-1.334	-1.334
		Vy	-0.244	-0.244	-0.244	-0.244	-0.244	-0.244	-0.244	-0.244	-0.244
		Vz	-60.368	-60.368	-60.368	-60.368	-60.368	-60.368	-60.368	-60.368	-60.368
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	11.32	22.64	33.96	45.28	56.59	67.91	79.23	90.55
		Mz	0.00	0.05	0.09	0.14	0.18	0.23	0.27	0.32	0.37
	TB-450 - E1	N	-0.128	-0.128	-0.128	-0.128	-0.128	-0.128	-0.128	-0.128	-0.128
		Vy	0.740	0.740	0.740	0.740	0.740	0.740	0.740	0.740	0.740
		Vz	-25.432	-25.432	-25.432	-25.432	-25.432	-25.432	-25.432	-25.432	-25.432
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	4.77	9.54	14.31	19.07	23.84	28.61	33.38	38.15
		Mz	0.00	-0.14	-0.28	-0.42	-0.56	-0.69	-0.83	-0.97	-1.11
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N62/N63	Peso próprio	N	0.123	0.123	0.123
		Vy	0.790	0.790	0.790
		Vz	-69.295	-68.882	-68.469
		Mt	0.00	0.00	0.00
		My	106.26	120.08	133.82
		Mz	-1.19	-1.34	-1.50
	LAJE	N	0.206	0.206	0.206
		Vy	0.247	0.247	0.247
		Vz	-82.408	-78.489	-74.570
		Mt	0.00	0.00	0.00
		My	145.66	161.75	177.05
		Mz	-0.37	-0.42	-0.47
	PAVIMENTAÇÃO	N	0.112	0.112	0.112
		Vy	0.137	0.137	0.137
		Vz	-43.758	-43.758	-43.758
		Mt	0.00	0.00	0.00
		My	78.57	87.32	96.07
		Mz	-0.20	-0.23	-0.26
	RECAPEAMENTO	N	0.051	0.051	0.051
		Vy	0.062	0.062	0.062
		Vz	-19.890	-19.890	-19.890
		Mt	0.00	0.00	0.00
		My	35.71	39.69	43.67
		Mz	-0.09	-0.11	-0.12
	GUARDA-RODAS	N	0.029	0.029	0.029
		Vy	0.028	0.028	0.028
		Vz	-15.068	-7.517	0.034
		Mt	0.00	0.00	0.00
		My	22.60	24.86	25.61
		Mz	-0.04	-0.05	-0.05
	Vento 0	N	-34.584	-34.584	-34.584
		Vy	0.047	0.047	0.047
		Vz	-0.399	-0.399	-0.399
		Mt	0.00	0.00	0.00
		My	0.60	0.68	0.76
		Mz	-0.07	-0.08	-0.09
	Vento 180	N	-18.414	-18.414	-18.414
		Vy	-0.036	-0.036	-0.036
		Vz	0.212	0.212	0.212
		Mt	0.00	0.00	0.00
		My	-0.32	-0.36	-0.40
		Mz	0.05	0.06	0.07
	Multidão - Passeio	N	0.039	0.039	0.039
		Vy	0.029	0.029	0.029
		Vz	0.017	0.017	0.017
		Mt	0.00	0.00	0.00
		My	14.67	14.67	14.66
		Mz	-0.04	-0.05	-0.05
	Multidão - TB450	N	0.113	0.113	0.113

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Vy	0.162	0.162	0.162
		Vz	-63.670	-63.670	-63.670
		Mt	0.00	0.00	0.00
		My	95.50	108.24	120.97
		Mz	-0.24	-0.28	-0.31
	TB-450 - A1	N	-1.021	-1.021	-1.021
		Vy	0.146	0.146	0.146
		Vz	0.013	0.013	0.013
		Mt	0.00	0.00	0.00
		My	-0.02	-0.02	-0.03
		Mz	-0.22	-0.25	-0.28
	TB-450 - A2	N	-1.019	-1.019	-1.019
		Vy	0.146	0.146	0.146
		Vz	0.013	0.013	0.013
		Mt	0.00	0.00	0.00
		My	-0.02	-0.02	-0.02
		Mz	-0.22	-0.25	-0.28
	TB-450 - B1	N	-1.440	-1.440	-1.440
		Vy	-0.151	-0.151	-0.151
		Vz	-0.027	-0.027	-0.027
		Mt	0.00	0.00	0.00
		My	0.04	0.05	0.05
		Mz	0.23	0.26	0.29
	TB-450 - B2	N	-0.555	-0.555	-0.555
		Vy	-0.150	-0.150	-0.150
		Vz	-0.023	-0.023	-0.023
		Mt	0.00	0.00	0.00
		My	0.03	0.04	0.04
		Mz	0.23	0.26	0.29
	TB-450 - C1	N	-2.382	-2.382	-2.382
		Vy	-0.282	-0.282	-0.282
		Vz	-0.046	-0.046	-0.046
		Mt	0.00	0.00	0.00
		My	0.07	0.08	0.09
		Mz	0.42	0.48	0.54
	TB-450 - C2	N	-1.360	-1.360	-1.360
		Vy	-0.281	-0.281	-0.281
		Vz	-0.042	-0.042	-0.042
		Mt	0.00	0.00	0.00
		My	0.06	0.07	0.08
		Mz	0.42	0.48	0.53
	TB-450 - D1	N	-1.584	-1.584	-1.584
		Vy	-0.244	-0.244	-0.244
		Vz	-25.435	-25.435	-25.435
		Mt	0.00	0.00	0.00
		My	38.15	43.24	48.33
		Mz	0.37	0.42	0.46
	TB-450 - D2	N	-1.334	-1.334	-1.334
		Vy	-0.244	-0.244	-0.244

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Vz	-60.368	-60.368	-60.368
		Mt	0.00	0.00	0.00
		My	90.55	102.63	114.70
		Mz	0.37	0.41	0.46
	TB-450 - E1	N	-0.128	-0.128	-0.128
		Vy	0.740	0.740	0.740
		Vz	-25.432	-25.432	-25.432
		Mt	0.00	0.00	0.00
		My	38.15	43.24	48.32
		Mz	-1.11	-1.26	-1.41
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N63/N64	Peso próprio	N	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123
		Vy	0.790	0.790	0.790	0.790	0.790	0.790	0.790	0.790	0.790
		Vz	-68.469	-55.267	-42.065	-35.464	-22.262	-9.060	4.142	10.743	23.945
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	133.82	160.33	181.19	189.50	201.87	208.58	209.63	208.04	200.60
		Mz	-1.50	-1.84	-2.18	-2.35	-2.69	-3.03	-3.36	-3.53	-3.87
	LAJE	N	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206
		Vy	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247
		Vz	-74.570	-66.172	-57.773	-53.574	-45.176	-36.778	-28.380	-24.181	-15.782
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	177.05	207.21	233.77	245.70	266.86	284.42	298.39	304.02	312.58
		Mz	-0.47	-0.58	-0.68	-0.73	-0.84	-0.95	-1.05	-1.11	-1.21
	PAVIMENTAÇÃO	N	0.112	0.112	0.112	0.112	0.112	0.112	0.112	0.112	0.112
		Vy	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137
		Vz	-43.758	-38.831	-33.904	-31.441	-26.514	-21.587	-16.660	-14.196	-9.269
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	96.07	113.77	129.36	136.36	148.78	159.08	167.28	170.59	175.61
		Mz	-0.26	-0.32	-0.38	-0.41	-0.46	-0.52	-0.58	-0.61	-0.67
	RECAPEAMENTO	N	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051
		Vy	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
		Vz	-19.890	-17.650	-15.411	-14.291	-12.052	-9.812	-7.573	-6.453	-4.213
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	43.67	51.71	58.80	61.98	67.63	72.31	76.04	77.54	79.82
		Mz	-0.12	-0.14	-0.17	-0.18	-0.21	-0.24	-0.26	-0.28	-0.30
	GUARDA-RODAS	N	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029
		Vy	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028
		Vz	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.61	25.59	25.58	25.57	25.56	25.54	25.53	25.52	25.50
		Mz	-0.05	-0.07	-0.08	-0.08	-0.10	-0.11	-0.12	-0.13	-0.14
	Vento 0	N	-34.584	-34.584	-34.584	-34.584	-34.584	-34.584	-34.584	-34.584	-34.584
		Vy	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Vz	-0.399	-0.399	-0.399	-0.399	-0.399	-0.399	-0.399	-0.399	-0.399
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.76	0.93	1.10	1.18	1.36	1.53	1.70	1.78	1.95
		Mz	-0.09	-0.11	-0.13	-0.14	-0.16	-0.18	-0.20	-0.21	-0.23
	Vento 180	N	-18.414	-18.414	-18.414	-18.414	-18.414	-18.414	-18.414	-18.414	-18.414
		Vy	-0.036	-0.036	-0.036	-0.036	-0.036	-0.036	-0.036	-0.036	-0.036
		Vz	0.212	0.212	0.212	0.212	0.212	0.212	0.212	0.212	0.212
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.40	-0.49	-0.59	-0.63	-0.72	-0.81	-0.90	-0.95	-1.04
		Mz	0.07	0.08	0.10	0.11	0.12	0.14	0.15	0.16	0.18
	Multidão - Passeio	N	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039
		Vy	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029
		Vz	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.66	14.66	14.65	14.65	14.64	14.63	14.62	14.62	14.61
		Mz	-0.05	-0.07	-0.08	-0.09	-0.10	-0.11	-0.12	-0.13	-0.14
	Multidão - TB450	N	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113
		Vy	0.162	0.162	0.162	0.162	0.162	0.162	0.162	0.162	0.162
		Vz	-63.670	-56.504	-49.337	-45.754	-38.587	-31.421	-24.254	-20.671	-13.505
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	120.97	146.72	169.40	179.59	197.67	212.67	224.60	229.41	236.74
		Mz	-0.31	-0.38	-0.45	-0.48	-0.55	-0.62	-0.69	-0.72	-0.79
	TB-450 - A1	N	-1.021	-1.021	-1.021	-1.021	-1.021	-1.021	-1.021	-1.021	-1.021
		Vy	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146
		Vz	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.03	-0.03	-0.04	-0.04	-0.05	-0.05	-0.06	-0.06	-0.07
		Mz	-0.28	-0.34	-0.40	-0.43	-0.50	-0.56	-0.62	-0.65	-0.71
	TB-450 - A2	N	-1.019	-1.019	-1.019	-1.019	-1.019	-1.019	-1.019	-1.019	-1.019
		Vy	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146
		Vz	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.02	-0.03	-0.04	-0.04	-0.04	-0.05	-0.06	-0.06	-0.06
		Mz	-0.28	-0.34	-0.40	-0.43	-0.49	-0.56	-0.62	-0.65	-0.71
	TB-450 - B1	N	-1.440	-1.440	-1.440	-1.440	-1.440	-1.440	-1.440	-1.440	-1.440
		Vy	-0.151	-0.151	-0.151	-0.151	-0.151	-0.151	-0.151	-0.151	-0.151
		Vz	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.13
		Mz	0.29	0.35	0.42	0.45	0.51	0.58	0.64	0.67	0.74
	TB-450 - B2	N	-0.555	-0.555	-0.555	-0.555	-0.555	-0.555	-0.555	-0.555	-0.555
		Vy	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150
		Vz	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.10	0.11
		Mz	0.29	0.35	0.41	0.45	0.51	0.58	0.64	0.67	0.74
	TB-450 - C1	N	-2.382	-2.382	-2.382	-2.382	-2.382	-2.382	-2.382	-2.382	-2.382
		Vy	-0.282	-0.282	-0.282	-0.282	-0.282	-0.282	-0.282	-0.282	-0.282
		Vz	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.09	0.11	0.13	0.14	0.16	0.18	0.20	0.21	0.23
		Mz	0.54	0.66	0.78	0.84	0.96	1.08	1.20	1.26	1.38
	TB-450 - C2	N	-1.360	-1.360	-1.360	-1.360	-1.360	-1.360	-1.360	-1.360	-1.360
		Vy	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Vz	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042	-0.042
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.08	0.10	0.12	0.12	0.14	0.16	0.18	0.19	0.21
		Mz	0.53	0.65	0.78	0.84	0.96	1.08	1.20	1.26	1.38
	TB-450 - D1	N	-1.584	-1.584	-1.584	-1.584	-1.584	-1.584	-1.584	-1.584	-1.584
		Vy	-0.244	-0.244	-0.244	-0.244	-0.244	-0.244	-0.244	-0.244	-0.244
		Vz	-25.435	-25.435	-25.435	-25.435	-25.435	-25.435	-25.435	-25.435	-25.435
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	48.33	59.23	70.13	75.58	86.48	97.38	108.28	113.73	124.63
		Mz	0.46	0.57	0.67	0.73	0.83	0.94	1.04	1.09	1.20
	TB-450 - D2	N	-1.334	-1.334	-1.334	-1.334	-1.334	-1.334	-1.334	-1.334	-1.334
		Vy	-0.244	-0.244	-0.244	-0.244	-0.244	-0.244	-0.244	-0.244	-0.244
		Vz	-60.368	-48.051	-35.733	-29.575	-17.257	-4.940	7.377	13.536	25.853
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	114.70	137.93	155.89	162.88	172.92	177.67	177.15	174.91	166.47
		Mz	0.46	0.57	0.67	0.73	0.83	0.93	1.04	1.09	1.20
	TB-450 - E1	N	-0.128	-0.128	-0.128	-0.128	-0.128	-0.128	-0.128	-0.128	-0.128
		Vy	0.740	0.740	0.740	0.740	0.740	0.740	0.740	0.740	0.740
		Vz	-25.432	-25.432	-25.432	-25.432	-25.432	-25.432	-25.432	-25.432	-25.432
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	48.32	59.22	70.12	75.57	86.47	97.37	108.27	113.72	124.62
		Mz	-1.41	-1.72	-2.04	-2.20	-2.52	-2.83	-3.15	-3.31	-3.63
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N64/N34	Peso próprio	N	0.123	0.123	0.123	0.123	0.123
		Vy	0.790	0.790	0.790	0.790	0.790
		Vz	23.945	24.370	24.796	25.222	25.647
		Mt	0.00	0.00	0.00	0.00	0.00
		My	200.60	195.62	190.55	185.39	180.15
		Mz	-3.87	-4.04	-4.20	-4.36	-4.52
	LAJE	N	0.206	0.206	0.206	0.206	0.206
		Vy	0.247	0.247	0.247	0.247	0.247
		Vz	-15.782	-11.741	-7.699	-3.658	0.384
		Mt	0.00	0.00	0.00	0.00	0.00
		My	312.58	315.42	317.42	318.60	318.93
		Mz	-1.21	-1.26	-1.31	-1.37	-1.42
	PAVIMENTAÇÃO	N	0.112	0.112	0.112	0.112	0.112
		Vy	0.137	0.137	0.137	0.137	0.137
		Vz	-9.269	-6.898	-4.527	-2.156	0.215
		Mt	0.00	0.00	0.00	0.00	0.00
		My	175.61	177.28	178.46	179.15	179.35
		Mz	-0.67	-0.70	-0.73	-0.75	-0.78
	RECAPEAMENTO	N	0.051	0.051	0.051	0.051	0.051
		Vy	0.062	0.062	0.062	0.062	0.062

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Vz	-4.213	-3.136	-2.058	-0.980	0.098
		Mt	0.00	0.00	0.00	0.00	0.00
		My	79.82	80.58	81.12	81.43	81.52
		Mz	-0.30	-0.32	-0.33	-0.34	-0.36
	GUARDA-RODAS	N	0.029	0.029	0.029	0.029	0.029
		Vy	0.028	0.028	0.028	0.028	0.028
		Vz	0.034	0.034	0.034	0.034	0.034
		Mt	0.00	0.00	0.00	0.00	0.00
		My	25.50	25.50	25.49	25.48	25.48
		Mz	-0.14	-0.14	-0.15	-0.16	-0.16
	Vento 0	N	-34.584	-34.584	-34.584	-34.584	-34.584
		Vy	0.047	0.047	0.047	0.047	0.047
		Vz	-0.399	-0.399	-0.399	-0.399	-0.399
		Mt	0.00	0.00	0.00	0.00	0.00
		My	1.95	2.04	2.12	2.20	2.28
		Mz	-0.23	-0.24	-0.25	-0.26	-0.27
	Vento 180	N	-18.414	-18.414	-18.414	-18.414	-18.414
		Vy	-0.036	-0.036	-0.036	-0.036	-0.036
		Vz	0.212	0.212	0.212	0.212	0.212
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-1.04	-1.08	-1.13	-1.17	-1.22
		Mz	0.18	0.18	0.19	0.20	0.21
	Multidão - Passeio	N	0.039	0.039	0.039	0.039	0.039
		Vy	0.029	0.029	0.029	0.029	0.029
		Vz	0.017	0.017	0.017	0.017	0.017
		Mt	0.00	0.00	0.00	0.00	0.00
		My	14.61	14.61	14.61	14.60	14.60
		Mz	-0.14	-0.15	-0.15	-0.16	-0.16
	Multidão - TB450	N	0.113	0.113	0.113	0.113	0.113
		Vy	0.162	0.162	0.162	0.162	0.162
		Vz	-13.505	-10.056	-6.607	-3.158	0.291
		Mt	0.00	0.00	0.00	0.00	0.00
		My	236.74	239.16	240.88	241.89	242.19
		Mz	-0.79	-0.83	-0.86	-0.89	-0.93
	TB-450 - A1	N	-1.021	-1.021	-1.021	-1.021	-1.021
		Vy	0.146	0.146	0.146	0.146	0.146
		Vz	0.013	0.013	0.013	0.013	0.013
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.07	-0.07	-0.07	-0.07	-0.08
		Mz	-0.71	-0.74	-0.77	-0.80	-0.83
	TB-450 - A2	N	-1.019	-1.019	-1.019	-1.019	-1.019
		Vy	0.146	0.146	0.146	0.146	0.146
		Vz	0.013	0.013	0.013	0.013	0.013
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.06	-0.07	-0.07	-0.07	-0.07
		Mz	-0.71	-0.74	-0.77	-0.80	-0.83
	TB-450 - B1	N	-1.440	-1.440	-1.440	-1.440	-1.440
		Vy	-0.151	-0.151	-0.151	-0.151	-0.151
		Vz	-0.027	-0.027	-0.027	-0.027	-0.027

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.13	0.14	0.14	0.15	0.15
		Mz	0.74	0.77	0.80	0.83	0.86
	TB-450 - B2	N	-0.555	-0.555	-0.555	-0.555	-0.555
		Vy	-0.150	-0.150	-0.150	-0.150	-0.150
		Vz	-0.023	-0.023	-0.023	-0.023	-0.023
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.11	0.12	0.12	0.13	0.13
		Mz	0.74	0.77	0.80	0.83	0.86
	TB-450 - C1	N	-2.382	-2.382	-2.382	-2.382	-2.382
		Vy	-0.282	-0.282	-0.282	-0.282	-0.282
		Vz	-0.046	-0.046	-0.046	-0.046	-0.046
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.23	0.24	0.25	0.25	0.26
		Mz	1.38	1.44	1.50	1.55	1.61
	TB-450 - C2	N	-1.360	-1.360	-1.360	-1.360	-1.360
		Vy	-0.281	-0.281	-0.281	-0.281	-0.281
		Vz	-0.042	-0.042	-0.042	-0.042	-0.042
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.21	0.21	0.22	0.23	0.24
		Mz	1.38	1.44	1.49	1.55	1.61
	TB-450 - D1	N	-1.584	-1.584	-1.584	-1.584	-1.584
		Vy	-0.244	-0.244	-0.244	-0.244	-0.244
		Vz	-25.435	-25.435	-25.435	-25.435	-25.435
		Mt	0.00	0.00	0.00	0.00	0.00
		My	124.63	129.88	135.12	140.37	145.61
		Mz	1.20	1.25	1.30	1.35	1.40
	TB-450 - D2	N	-1.334	-1.334	-1.334	-1.334	-1.334
		Vy	-0.244	-0.244	-0.244	-0.244	-0.244
		Vz	25.853	25.853	25.853	25.853	25.853
		Mt	0.00	0.00	0.00	0.00	0.00
		My	166.47	161.14	155.81	150.47	145.14
		Mz	1.20	1.25	1.30	1.35	1.40
	TB-450 - E1	N	-0.128	-0.128	-0.128	-0.128	-0.128
		Vy	0.740	0.740	0.740	0.740	0.740
		Vz	-25.432	-25.432	-25.432	-25.432	-25.432
		Mt	0.00	0.00	0.00	0.00	0.00
		My	124.62	129.86	135.11	140.36	145.60
		Mz	-3.63	-3.78	-3.93	-4.09	-4.24
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N34/N67	Peso próprio	N	0.035	0.035	0.035	0.035	0.035
		Vy	-0.787	-0.787	-0.787	-0.787	-0.787
		Vz	25.643	26.068	26.494	26.920	27.346
		Mt	0.00	0.00	0.00	0.00	0.00
		My	180.63	175.30	169.88	164.37	158.77
		Mz	-4.51	-4.35	-4.18	-4.02	-3.86
	LAJE	N	0.181	0.181	0.181	0.181	0.181
		Vy	-0.247	-0.247	-0.247	-0.247	-0.247
		Vz	-0.383	3.659	7.701	11.742	15.784
		Mt	0.00	0.00	0.00	0.00	0.00
		My	318.94	318.60	317.43	315.43	312.59
		Mz	-1.42	-1.36	-1.31	-1.26	-1.21
	PAVIMENTAÇÃO	N	0.099	0.099	0.099	0.099	0.099
		Vy	-0.136	-0.136	-0.136	-0.136	-0.136
		Vz	-0.214	2.157	4.528	6.899	9.270
		Mt	0.00	0.00	0.00	0.00	0.00
		My	179.35	179.15	178.46	177.29	175.62
		Mz	-0.78	-0.75	-0.73	-0.70	-0.67
	RECAPEAMENTO	N	0.045	0.045	0.045	0.045	0.045
		Vy	-0.062	-0.062	-0.062	-0.062	-0.062
		Vz	-0.097	0.980	2.058	3.136	4.214
		Mt	0.00	0.00	0.00	0.00	0.00
		My	81.52	81.43	81.12	80.58	79.83
		Mz	-0.36	-0.34	-0.33	-0.32	-0.30
	GUARDA-RODAS	N	0.026	0.026	0.026	0.026	0.026
		Vy	-0.028	-0.028	-0.028	-0.028	-0.028
		Vz	-0.034	-0.034	-0.034	-0.034	-0.034
		Mt	0.00	0.00	0.00	0.00	0.00
		My	25.48	25.48	25.49	25.50	25.51
		Mz	-0.16	-0.16	-0.15	-0.14	-0.14
	Vento 0	N	-18.749	-18.749	-18.749	-18.749	-18.749
		Vy	0.047	0.047	0.047	0.047	0.047
		Vz	-0.393	-0.393	-0.393	-0.393	-0.393
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-2.25	-2.17	-2.09	-2.01	-1.93
		Mz	0.27	0.26	0.25	0.24	0.23
	Vento 180	N	-27.136	-27.136	-27.136	-27.136	-27.136
		Vy	-0.037	-0.037	-0.037	-0.037	-0.037
		Vz	0.214	0.214	0.214	0.214	0.214
		Mt	0.00	0.00	0.00	0.00	0.00
		My	1.23	1.18	1.14	1.09	1.05
		Mz	-0.21	-0.20	-0.20	-0.19	-0.18
	Multidão - Passeio	N	0.035	0.035	0.035	0.035	0.035
		Vy	-0.029	-0.029	-0.029	-0.029	-0.029
		Vz	-0.017	-0.017	-0.017	-0.017	-0.017
		Mt	0.00	0.00	0.00	0.00	0.00
		My	14.60	14.60	14.61	14.61	14.61
		Mz	-0.16	-0.16	-0.15	-0.15	-0.14
	Multidão - TB450	N	0.099	0.099	0.099	0.099	0.099

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Vy	-0.162	-0.162	-0.162	-0.162	-0.162
		Vz	-0.290	3.159	6.608	10.057	13.506
		Mt	0.00	0.00	0.00	0.00	0.00
		My	242.19	241.89	240.89	239.17	236.74
		Mz	-0.93	-0.89	-0.86	-0.83	-0.79
	TB-450 - A1	N	-1.017	-1.017	-1.017	-1.017	-1.017
		Vy	-0.146	-0.146	-0.146	-0.146	-0.146
		Vz	-0.013	-0.013	-0.013	-0.013	-0.013
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.07	-0.07	-0.07	-0.07	-0.06
		Mz	-0.83	-0.80	-0.77	-0.74	-0.71
	TB-450 - A2	N	-1.022	-1.022	-1.022	-1.022	-1.022
		Vy	-0.146	-0.146	-0.146	-0.146	-0.146
		Vz	-0.013	-0.013	-0.013	-0.013	-0.013
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.08	-0.07	-0.07	-0.07	-0.07
		Mz	-0.83	-0.80	-0.77	-0.74	-0.71
	TB-450 - B1	N	-0.550	-0.550	-0.550	-0.550	-0.550
		Vy	0.150	0.150	0.150	0.150	0.150
		Vz	0.023	0.023	0.023	0.023	0.023
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.13	0.13	0.12	0.12	0.11
		Mz	0.86	0.83	0.80	0.77	0.74
	TB-450 - B2	N	-1.461	-1.461	-1.461	-1.461	-1.461
		Vy	0.151	0.151	0.151	0.151	0.151
		Vz	0.027	0.027	0.027	0.027	0.027
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.15	0.15	0.14	0.14	0.13
		Mz	0.87	0.83	0.80	0.77	0.74
	TB-450 - C1	N	-1.358	-1.358	-1.358	-1.358	-1.358
		Vy	0.281	0.281	0.281	0.281	0.281
		Vz	0.042	0.042	0.042	0.042	0.042
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.24	0.23	0.23	0.22	0.21
		Mz	1.61	1.55	1.49	1.43	1.38
	TB-450 - C2	N	-2.411	-2.411	-2.411	-2.411	-2.411
		Vy	0.282	0.282	0.282	0.282	0.282
		Vz	0.046	0.046	0.046	0.046	0.046
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.26	0.25	0.25	0.24	0.23
		Mz	1.62	1.56	1.50	1.44	1.38
	TB-450 - D1	N	-1.331	-1.331	-1.331	-1.331	-1.331
		Vy	0.243	0.243	0.243	0.243	0.243
		Vz	-25.853	-25.853	-25.853	-25.853	-25.853
		Mt	0.00	0.00	0.00	0.00	0.00
		My	145.15	150.48	155.81	161.14	166.47
		Mz	1.39	1.34	1.29	1.24	1.19
	TB-450 - D2	N	-1.606	-1.606	-1.606	-1.606	-1.606
		Vy	0.245	0.245	0.245	0.245	0.245

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Vz	25.435	25.435	25.435	25.435	25.435
		Mt	0.00	0.00	0.00	0.00	0.00
		My	145.61	140.37	135.12	129.88	124.63
		Mz	1.40	1.35	1.30	1.25	1.20
	TB-450 - E1	N	-0.050	-0.050	-0.050	-0.050	-0.050
		Vy	-0.743	-0.743	-0.743	-0.743	-0.743
		Vz	-25.857	-25.857	-25.857	-25.857	-25.857
		Mt	0.00	0.00	0.00	0.00	0.00
		My	145.12	150.45	155.79	161.12	166.45
		Mz	-4.26	-4.10	-3.95	-3.80	-3.64
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N67/N66	Peso próprio	N	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035
		Vy	-0.787	-0.787	-0.787	-0.787	-0.787	-0.787	-0.787	-0.787	-0.787
		Vz	27.346	28.230	29.115	29.557	30.442	31.326	32.211	32.653	33.538
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	158.77	146.86	134.58	128.29	115.43	102.20	88.58	81.63	67.45
		Mz	-3.86	-3.52	-3.18	-3.01	-2.68	-2.34	-2.00	-1.83	-1.50
	LAJE	N	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181
		Vy	-0.247	-0.247	-0.247	-0.247	-0.247	-0.247	-0.247	-0.247	-0.247
		Vz	15.784	24.182	32.580	36.779	45.177	53.576	61.974	66.173	74.571
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	312.59	304.02	291.86	284.43	266.87	245.71	220.95	207.22	177.06
		Mz	-1.21	-1.11	-1.00	-0.95	-0.84	-0.73	-0.63	-0.58	-0.47
	PAVIMENTAÇÃO	N	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099
		Vy	-0.136	-0.136	-0.136	-0.136	-0.136	-0.136	-0.136	-0.136	-0.136
		Vz	9.270	14.197	19.124	21.588	26.515	31.441	36.368	38.832	43.759
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	175.62	170.59	163.45	159.09	148.78	136.36	121.83	113.77	96.07
		Mz	-0.67	-0.61	-0.55	-0.52	-0.46	-0.41	-0.35	-0.32	-0.26
	RECAPEAMENTO	N	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
		Vy	-0.062	-0.062	-0.062	-0.062	-0.062	-0.062	-0.062	-0.062	-0.062
		Vz	4.214	6.453	8.693	9.813	12.052	14.292	16.531	17.651	19.890
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	79.83	77.54	74.30	72.31	67.63	61.98	55.38	51.71	43.67
		Mz	-0.30	-0.28	-0.25	-0.24	-0.21	-0.18	-0.16	-0.14	-0.12
	GUARDA-RODAS	N	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026
		Vy	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028
		Vz	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.51	25.52	25.54	25.54	25.56	25.57	25.59	25.59	25.61
		Mz	-0.14	-0.13	-0.11	-0.11	-0.10	-0.08	-0.07	-0.07	-0.05
	Vento 0	N	-18.749	-18.749	-18.749	-18.749	-18.749	-18.749	-18.749	-18.749	-18.749
		Vy	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Vz	-0.393	-0.393	-0.393	-0.393	-0.393	-0.393	-0.393	-0.393	-0.393
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.93	-1.76	-1.59	-1.51	-1.34	-1.17	-1.00	-0.92	-0.75
		Mz	0.23	0.21	0.19	0.18	0.16	0.14	0.12	0.11	0.09
	Vento 180	N	-27.136	-27.136	-27.136	-27.136	-27.136	-27.136	-27.136	-27.136	-27.136
		Vy	-0.037	-0.037	-0.037	-0.037	-0.037	-0.037	-0.037	-0.037	-0.037
		Vz	0.214	0.214	0.214	0.214	0.214	0.214	0.214	0.214	0.214
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.05	0.96	0.87	0.82	0.73	0.64	0.54	0.50	0.41
		Mz	-0.18	-0.17	-0.15	-0.14	-0.13	-0.11	-0.09	-0.09	-0.07
	Multidão - Passeio	N	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035
		Vy	-0.029	-0.029	-0.029	-0.029	-0.029	-0.029	-0.029	-0.029	-0.029
		Vz	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.61	14.62	14.63	14.63	14.64	14.65	14.65	14.66	14.66
		Mz	-0.14	-0.13	-0.12	-0.11	-0.10	-0.09	-0.07	-0.07	-0.05
	Multidão - TB450	N	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099
		Vy	-0.162	-0.162	-0.162	-0.162	-0.162	-0.162	-0.162	-0.162	-0.162
		Vz	13.506	20.672	27.839	31.422	38.588	45.755	52.921	56.504	63.671
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	236.74	229.42	219.02	212.67	197.67	179.60	158.45	146.73	120.97
		Mz	-0.79	-0.72	-0.65	-0.62	-0.55	-0.48	-0.41	-0.38	-0.31
	TB-450 - A1	N	-1.017	-1.017	-1.017	-1.017	-1.017	-1.017	-1.017	-1.017	-1.017
		Vy	-0.146	-0.146	-0.146	-0.146	-0.146	-0.146	-0.146	-0.146	-0.146
		Vz	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.06	-0.06	-0.05	-0.05	-0.04	-0.04	-0.03	-0.03	-0.02
		Mz	-0.71	-0.65	-0.59	-0.56	-0.50	-0.43	-0.37	-0.34	-0.28
	TB-450 - A2	N	-1.022	-1.022	-1.022	-1.022	-1.022	-1.022	-1.022	-1.022	-1.022
		Vy	-0.146	-0.146	-0.146	-0.146	-0.146	-0.146	-0.146	-0.146	-0.146
		Vz	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.07	-0.06	-0.05	-0.05	-0.05	-0.04	-0.03	-0.03	-0.03
		Mz	-0.71	-0.65	-0.59	-0.56	-0.49	-0.43	-0.37	-0.34	-0.28
	TB-450 - B1	N	-0.550	-0.550	-0.550	-0.550	-0.550	-0.550	-0.550	-0.550	-0.550
		Vy	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150
		Vz	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.11	0.10	0.09	0.09	0.08	0.07	0.06	0.05	0.04
		Mz	0.74	0.67	0.61	0.57	0.51	0.45	0.38	0.35	0.29
	TB-450 - B2	N	-1.461	-1.461	-1.461	-1.461	-1.461	-1.461	-1.461	-1.461	-1.461
		Vy	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
		Vz	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.13	0.12	0.11	0.10	0.09	0.08	0.07	0.06	0.05
		Mz	0.74	0.68	0.61	0.58	0.51	0.45	0.38	0.35	0.29
	TB-450 - C1	N	-1.358	-1.358	-1.358	-1.358	-1.358	-1.358	-1.358	-1.358	-1.358
		Vy	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
		Vz	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.21	0.19	0.17	0.16	0.14	0.13	0.11	0.10	0.08
		Mz	1.38	1.26	1.13	1.07	0.95	0.83	0.71	0.65	0.53
	TB-450 - C2	N	-2.411	-2.411	-2.411	-2.411	-2.411	-2.411	-2.411	-2.411	-2.411
		Vy	0.282	0.282	0.282	0.282	0.282	0.282	0.282	0.282	0.282

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Vz	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.23	0.21	0.19	0.18	0.16	0.14	0.12	0.11	0.09
		Mz	1.38	1.26	1.14	1.08	0.96	0.84	0.72	0.66	0.54
	TB-450 - D1	N	-1.331	-1.331	-1.331	-1.331	-1.331	-1.331	-1.331	-1.331	-1.331
		Vy	0.243	0.243	0.243	0.243	0.243	0.243	0.243	0.243	0.243
		Vz	-25.853	-13.535	-1.218	4.941	17.258	29.575	41.893	48.051	60.369
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	166.47	174.91	178.08	177.68	172.92	162.88	147.57	137.93	114.70
		Mz	1.19	1.09	0.98	0.93	0.83	0.72	0.62	0.57	0.46
	TB-450 - D2	N	-1.606	-1.606	-1.606	-1.606	-1.606	-1.606	-1.606	-1.606	-1.606
		Vy	0.245	0.245	0.245	0.245	0.245	0.245	0.245	0.245	0.245
		Vz	25.435	25.435	25.435	25.435	25.435	25.435	25.435	25.435	25.435
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	124.63	113.73	102.83	97.38	86.48	75.58	64.68	59.23	48.33
		Mz	1.20	1.10	0.99	0.94	0.83	0.73	0.62	0.57	0.47
	TB-450 - E1	N	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
		Vy	-0.743	-0.743	-0.743	-0.743	-0.743	-0.743	-0.743	-0.743	-0.743
		Vz	-25.857	-13.540	-1.222	4.936	17.254	29.571	41.888	48.047	60.364
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	166.45	174.90	178.06	177.66	172.91	162.87	147.56	137.92	114.69
		Mz	-3.64	-3.32	-3.00	-2.85	-2.53	-2.21	-1.89	-1.73	-1.41
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N66/N65	Peso próprio	N	0.035	0.035	0.035
		Vy	-0.787	-0.787	-0.787
		Vz	33.538	33.951	34.363
		Mt	0.00	0.00	0.00
		My	67.45	60.70	53.87
		Mz	-1.50	-1.34	-1.18
	LAJE	N	0.181	0.181	0.181
		Vy	-0.247	-0.247	-0.247
		Vz	74.571	78.490	82.409
		Mt	0.00	0.00	0.00
		My	177.06	161.75	145.66
		Mz	-0.47	-0.42	-0.37
	PAVIMENTAÇÃO	N	0.099	0.099	0.099
		Vy	-0.136	-0.136	-0.136
		Vz	43.759	43.759	43.759
		Mt	0.00	0.00	0.00
		My	96.07	87.32	78.57
		Mz	-0.26	-0.23	-0.20
	RECAPEAMENTO	N	0.045	0.045	0.045
		Vy	-0.062	-0.062	-0.062

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Vz	19.890	19.890	19.890
		Mt	0.00	0.00	0.00
		My	43.67	39.69	35.71
		Mz	-0.12	-0.11	-0.09
	GUARDA-RODAS	N	0.026	0.026	0.026
		Vy	-0.028	-0.028	-0.028
		Vz	-0.034	7.517	15.068
		Mt	0.00	0.00	0.00
		My	25.61	24.86	22.60
		Mz	-0.05	-0.05	-0.04
	Vento 0	N	-18.749	-18.749	-18.749
		Vy	0.047	0.047	0.047
		Vz	-0.393	-0.393	-0.393
		Mt	0.00	0.00	0.00
		My	-0.75	-0.67	-0.59
		Mz	0.09	0.08	0.07
	Vento 180	N	-27.136	-27.136	-27.136
		Vy	-0.037	-0.037	-0.037
		Vz	0.214	0.214	0.214
		Mt	0.00	0.00	0.00
		My	0.41	0.36	0.32
		Mz	-0.07	-0.06	-0.06
	Multidão - Passeio	N	0.035	0.035	0.035
		Vy	-0.029	-0.029	-0.029
		Vz	-0.017	-0.017	-0.017
		Mt	0.00	0.00	0.00
		My	14.66	14.67	14.67
		Mz	-0.05	-0.05	-0.04
	Multidão - TB450	N	0.099	0.099	0.099
		Vy	-0.162	-0.162	-0.162
		Vz	63.671	63.671	63.671
		Mt	0.00	0.00	0.00
		My	120.97	108.24	95.51
		Mz	-0.31	-0.28	-0.24
	TB-450 - A1	N	-1.017	-1.017	-1.017
		Vy	-0.146	-0.146	-0.146
		Vz	-0.013	-0.013	-0.013
		Mt	0.00	0.00	0.00
		My	-0.02	-0.02	-0.02
		Mz	-0.28	-0.25	-0.22
	TB-450 - A2	N	-1.022	-1.022	-1.022
		Vy	-0.146	-0.146	-0.146
		Vz	-0.013	-0.013	-0.013
		Mt	0.00	0.00	0.00
		My	-0.03	-0.02	-0.02
		Mz	-0.28	-0.25	-0.22
	TB-450 - B1	N	-0.550	-0.550	-0.550
		Vy	0.150	0.150	0.150
		Vz	0.023	0.023	0.023

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Mt	0.00	0.00	0.00
		My	0.04	0.04	0.03
		Mz	0.29	0.26	0.23
	TB-450 - B2	N	-1.461	-1.461	-1.461
		Vy	0.151	0.151	0.151
		Vz	0.027	0.027	0.027
		Mt	0.00	0.00	0.00
		My	0.05	0.05	0.04
		Mz	0.29	0.26	0.23
	TB-450 - C1	N	-1.358	-1.358	-1.358
		Vy	0.281	0.281	0.281
		Vz	0.042	0.042	0.042
		Mt	0.00	0.00	0.00
		My	0.08	0.07	0.06
		Mz	0.53	0.48	0.42
	TB-450 - C2	N	-2.411	-2.411	-2.411
		Vy	0.282	0.282	0.282
		Vz	0.046	0.046	0.046
		Mt	0.00	0.00	0.00
		My	0.09	0.08	0.07
		Mz	0.54	0.48	0.42
	TB-450 - D1	N	-1.331	-1.331	-1.331
		Vy	0.243	0.243	0.243
		Vz	60.369	60.369	60.369
		Mt	0.00	0.00	0.00
		My	114.70	102.63	90.55
		Mz	0.46	0.41	0.37
	TB-450 - D2	N	-1.606	-1.606	-1.606
		Vy	0.245	0.245	0.245
		Vz	25.435	25.435	25.435
		Mt	0.00	0.00	0.00
		My	48.33	43.24	38.15
		Mz	0.47	0.42	0.37
	TB-450 - E1	N	-0.050	-0.050	-0.050
		Vy	-0.743	-0.743	-0.743
		Vz	60.364	60.364	60.364
		Mt	0.00	0.00	0.00
		My	114.69	102.62	90.55
		Mz	-1.41	-1.26	-1.11
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N65/N28	Peso próprio	N	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035
		Vy	-0.787	-0.787	-0.787	-0.787	-0.787	-0.787	-0.787	-0.787	-0.787
		Vz	34.363	34.750	35.137	35.524	35.911	36.299	36.686	37.073	37.460
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	53.87	47.39	40.84	34.21	27.51	20.74	13.90	6.99	0.00
		Mz	-1.18	-1.03	-0.89	-0.74	-0.59	-0.44	-0.30	-0.15	0.00
	LAJE	N	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181
		Vy	-0.247	-0.247	-0.247	-0.247	-0.247	-0.247	-0.247	-0.247	-0.247
		Vz	82.409	86.084	89.758	93.432	97.106	100.780	104.455	108.129	111.803
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	145.66	129.86	113.38	96.20	78.34	59.79	40.55	20.62	0.00
		Mz	-0.37	-0.32	-0.28	-0.23	-0.19	-0.14	-0.09	-0.05	0.00
	PAVIMENTAÇÃO	N	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099
		Vy	-0.136	-0.136	-0.136	-0.136	-0.136	-0.136	-0.136	-0.136	-0.136
		Vz	43.759	45.914	48.070	50.225	52.381	54.536	56.692	58.848	61.003
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	78.57	70.16	61.35	52.14	42.52	32.50	22.07	11.24	0.00
		Mz	-0.20	-0.18	-0.15	-0.13	-0.10	-0.08	-0.05	-0.03	0.00
	RECAPEAMENTO	N	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
		Vy	-0.062	-0.062	-0.062	-0.062	-0.062	-0.062	-0.062	-0.062	-0.062
		Vz	19.890	20.870	21.850	22.830	23.810	24.789	25.769	26.749	27.729
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	35.71	31.89	27.89	23.70	19.33	14.77	10.03	5.11	0.00
		Mz	-0.09	-0.08	-0.07	-0.06	-0.05	-0.03	-0.02	-0.01	0.00
	GUARDA-RODAS	N	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026
		Vy	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028
		Vz	15.068	15.068	15.068	15.068	15.068	15.068	15.068	15.068	15.068
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	22.60	19.78	16.95	14.13	11.30	8.48	5.65	2.83	0.00
		Mz	-0.04	-0.04	-0.03	-0.03	-0.02	-0.02	-0.01	-0.01	0.00
	Vento 0	N	-18.749	-18.749	-18.749	-18.749	-18.749	-18.749	-18.749	-18.749	-18.749
		Vy	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047
		Vz	-0.393	-0.393	-0.393	-0.393	-0.393	-0.393	-0.393	-0.393	-0.393
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.59	-0.52	-0.44	-0.37	-0.29	-0.22	-0.15	-0.07	0.00
		Mz	0.07	0.06	0.05	0.04	0.03	0.03	0.02	0.01	0.00
	Vento 180	N	-27.136	-27.136	-27.136	-27.136	-27.136	-27.136	-27.136	-27.136	-27.136
		Vy	-0.037	-0.037	-0.037	-0.037	-0.037	-0.037	-0.037	-0.037	-0.037
		Vz	0.214	0.214	0.214	0.214	0.214	0.214	0.214	0.214	0.214
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.32	0.28	0.24	0.20	0.16	0.12	0.08	0.04	0.00
		Mz	-0.06	-0.05	-0.04	-0.03	-0.03	-0.02	-0.01	-0.01	0.00
	Multidão - Passeio	N	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035
		Vy	-0.029	-0.029	-0.029	-0.029	-0.029	-0.029	-0.029	-0.029	-0.029
		Vz	-0.017	2.433	4.882	7.332	9.781	12.230	14.680	17.129	19.579
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.67	14.45	13.76	12.61	11.01	8.95	6.42	3.44	0.00
		Mz	-0.04	-0.04	-0.03	-0.03	-0.02	-0.02	-0.01	-0.01	0.00
	Multidão - TB450	N	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099
		Vy	-0.162	-0.162	-0.162	-0.162	-0.162	-0.162	-0.162	-0.162	-0.162
		Vz	63.671	63.671	63.671	63.671	63.671	63.671	63.671	63.671	63.671
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	95.51	83.57	71.63	59.69	47.75	35.81	23.88	11.94	0.00
		Mz	-0.24	-0.21	-0.18	-0.15	-0.12	-0.09	-0.06	-0.03	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
	TB-450 - A1	N	-1.017	-1.017	-1.017	-1.017	-1.017	-1.017	-1.017	-1.017	-1.017
		Vy	-0.146	-0.146	-0.146	-0.146	-0.146	-0.146	-0.146	-0.146	-0.146
		Vz	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
		Mz	-0.22	-0.19	-0.16	-0.14	-0.11	-0.08	-0.05	-0.03	0.00
	TB-450 - A2	N	-1.022	-1.022	-1.022	-1.022	-1.022	-1.022	-1.022	-1.022	-1.022
		Vy	-0.146	-0.146	-0.146	-0.146	-0.146	-0.146	-0.146	-0.146	-0.146
		Vz	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
		Mz	-0.22	-0.19	-0.16	-0.14	-0.11	-0.08	-0.05	-0.03	0.00
	TB-450 - B1	N	-0.550	-0.550	-0.550	-0.550	-0.550	-0.550	-0.550	-0.550	-0.550
		Vy	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150
		Vz	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.03	0.03	0.03	0.02	0.02	0.01	0.01	0.00	0.00
		Mz	0.23	0.20	0.17	0.14	0.11	0.08	0.06	0.03	0.00
	TB-450 - B2	N	-1.461	-1.461	-1.461	-1.461	-1.461	-1.461	-1.461	-1.461	-1.461
		Vy	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
		Vz	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.04	0.04	0.03	0.03	0.02	0.02	0.01	0.01	0.00
		Mz	0.23	0.20	0.17	0.14	0.11	0.09	0.06	0.03	0.00
	TB-450 - C1	N	-1.358	-1.358	-1.358	-1.358	-1.358	-1.358	-1.358	-1.358	-1.358
		Vy	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
		Vz	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.06	0.06	0.05	0.04	0.03	0.02	0.02	0.01	0.00
		Mz	0.42	0.37	0.32	0.26	0.21	0.16	0.11	0.05	0.00
	TB-450 - C2	N	-2.411	-2.411	-2.411	-2.411	-2.411	-2.411	-2.411	-2.411	-2.411
		Vy	0.282	0.282	0.282	0.282	0.282	0.282	0.282	0.282	0.282
		Vz	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.07	0.06	0.05	0.04	0.03	0.03	0.02	0.01	0.00
		Mz	0.42	0.37	0.32	0.26	0.21	0.16	0.11	0.05	0.00
	TB-450 - D1	N	-1.331	-1.331	-1.331	-1.331	-1.331	-1.331	-1.331	-1.331	-1.331
		Vy	0.243	0.243	0.243	0.243	0.243	0.243	0.243	0.243	0.243
		Vz	60.369	60.369	60.369	60.369	60.369	60.369	60.369	60.369	60.369
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	90.55	79.23	67.91	56.60	45.28	33.96	22.64	11.32	0.00
		Mz	0.37	0.32	0.27	0.23	0.18	0.14	0.09	0.05	0.00
	TB-450 - D2	N	-1.606	-1.606	-1.606	-1.606	-1.606	-1.606	-1.606	-1.606	-1.606
		Vy	0.245	0.245	0.245	0.245	0.245	0.245	0.245	0.245	0.245
		Vz	25.435	25.435	25.435	25.435	25.435	25.435	25.435	25.435	25.435
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	38.15	33.38	28.61	23.84	19.08	14.31	9.54	4.77	0.00
		Mz	0.37	0.32	0.28	0.23	0.18	0.14	0.09	0.05	0.00
	TB-450 - E1	N	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
		Vy	-0.743	-0.743	-0.743	-0.743	-0.743	-0.743	-0.743	-0.743	-0.743
		Vz	60.364	60.364	60.364	60.364	60.364	60.364	60.364	60.364	60.364
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	90.55	79.23	67.91	56.59	45.27	33.95	22.64	11.32	0.00
		Mz	-1.11	-0.98	-0.84	-0.70	-0.56	-0.42	-0.28	-0.14	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N199/N56	Peso próprio	N	0.201	0.201	0.201	0.201	0.201	0.201	0.201	0.201	0.201
		Vy	0.286	0.286	0.286	0.286	0.286	0.286	0.286	0.286	0.286
		Vz	-133.019	-132.632	-132.245	-131.858	-131.471	-131.084	-130.697	-130.310	-129.923
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	24.90	49.74	74.50	99.18	123.80	148.34	172.81	197.21
		Mz	0.00	-0.05	-0.11	-0.16	-0.21	-0.27	-0.32	-0.38	-0.43
	LAJE	N	2.287	2.287	2.287	2.287	2.287	2.287	2.287	2.287	2.287
		Vy	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074
		Vz	-112.085	-108.411	-104.737	-101.063	-97.389	-93.714	-90.040	-86.366	-82.692
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	20.67	40.65	59.95	78.55	96.47	113.70	130.23	146.08
		Mz	0.00	0.01	0.03	0.04	0.06	0.07	0.08	0.10	0.11
	PAVIMENTAÇÃO	N	1.285	1.285	1.285	1.285	1.285	1.285	1.285	1.285	1.285
		Vy	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045
		Vz	-61.162	-59.006	-56.850	-54.695	-52.539	-50.384	-48.228	-46.073	-43.917
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	11.27	22.13	32.58	42.64	52.29	61.53	70.37	78.81
		Mz	0.00	0.01	0.02	0.03	0.03	0.04	0.05	0.06	0.07
	RECAPEAMENTO	N	0.584	0.584	0.584	0.584	0.584	0.584	0.584	0.584	0.584
		Vy	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020
		Vz	-27.801	-26.821	-25.841	-24.861	-23.882	-22.902	-21.922	-20.942	-19.962
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	5.12	10.06	14.81	19.38	23.77	27.97	31.99	35.82
		Mz	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.03	0.03
	GUARDA-RODAS	N	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	-15.091	-15.091	-15.091	-15.091	-15.091	-15.091	-15.091	-15.091	-15.091
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	2.83	5.66	8.49	11.32	14.15	16.98	19.81	22.64
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01
	Vento 0	N	6.419	6.419	6.419	6.419	6.419	6.419	6.419	6.419	6.419
		Vy	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060
		Vz	1.013	1.013	1.013	1.013	1.013	1.013	1.013	1.013	1.013
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.19	-0.38	-0.57	-0.76	-0.95	-1.14	-1.33	-1.52
		Mz	0.00	-0.01	-0.02	-0.03	-0.04	-0.06	-0.07	-0.08	-0.09
	Vento 180	N	-29.230	-29.230	-29.230	-29.230	-29.230	-29.230	-29.230	-29.230	-29.230
		Vy	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047
		Vz	-0.792	-0.792	-0.792	-0.792	-0.792	-0.792	-0.792	-0.792	-0.792
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.15	0.30	0.45	0.59	0.74	0.89	1.04	1.19
		Mz	0.00	0.01	0.02	0.03	0.03	0.04	0.05	0.06	0.07
	Multidão - Passeio	N	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
		Vy	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029
		Vz	-19.586	-17.137	-14.687	-12.238	-9.788	-7.339	-4.889	-2.440	0.009
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		My	0.00	3.44	6.43	8.95	11.02	12.62	13.77	14.45	14.68
		Mz	0.00	-0.01	-0.01	-0.02	-0.02	-0.03	-0.03	-0.04	-0.04
	Multidão - TB450	N	1.799	1.799	1.799	1.799	1.799	1.799	1.799	1.799	1.799
		Vy	-0.102	-0.102	-0.102	-0.102	-0.102	-0.102	-0.102	-0.102	-0.102
		Vz	-63.892	-63.892	-63.892	-63.892	-63.892	-63.892	-63.892	-63.892	-63.892
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	11.98	23.96	35.94	47.92	59.90	71.88	83.86	95.84
		Mz	0.00	0.02	0.04	0.06	0.08	0.10	0.11	0.13	0.15
	TB-450 - A1	N	-1.007	-1.007	-1.007	-1.007	-1.007	-1.007	-1.007	-1.007	-1.007
		Vy	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140
		Vz	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.01	-0.02	-0.02	-0.03	-0.04	-0.05	-0.05	-0.06
		Mz	0.00	-0.03	-0.05	-0.08	-0.11	-0.13	-0.16	-0.18	-0.21
	TB-450 - A2	N	-1.004	-1.004	-1.004	-1.004	-1.004	-1.004	-1.004	-1.004	-1.004
		Vy	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140
		Vz	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.01	-0.02	-0.02	-0.03	-0.04	-0.05	-0.05	-0.06
		Mz	0.00	-0.03	-0.05	-0.08	-0.10	-0.13	-0.16	-0.18	-0.21
	TB-450 - B1	N	-0.361	-0.361	-0.361	-0.361	-0.361	-0.361	-0.361	-0.361	-0.361
		Vy	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113
		Vz	-0.052	-0.052	-0.052	-0.052	-0.052	-0.052	-0.052	-0.052	-0.052
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08
		Mz	0.00	0.02	0.04	0.06	0.08	0.11	0.13	0.15	0.17
	TB-450 - B2	N	0.344	0.344	0.344	0.344	0.344	0.344	0.344	0.344	0.344
		Vy	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113
		Vz	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.01	0.02	0.03	0.03	0.04	0.05	0.05
		Mz	0.00	0.02	0.04	0.06	0.08	0.11	0.13	0.15	0.17
	TB-450 - C1	N	-0.417	-0.417	-0.417	-0.417	-0.417	-0.417	-0.417	-0.417	-0.417
		Vy	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216
		Vz	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.02	0.03	0.05	0.07	0.08	0.10	0.12	0.13
		Mz	0.00	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.32
	TB-450 - C2	N	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384
		Vy	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216
		Vz	-0.071	-0.071	-0.071	-0.071	-0.071	-0.071	-0.071	-0.071	-0.071
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.03	0.04	0.05	0.07	0.08	0.09	0.11
		Mz	0.00	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.32
	TB-450 - D1	N	-0.219	-0.219	-0.219	-0.219	-0.219	-0.219	-0.219	-0.219	-0.219
		Vy	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107
		Vz	-0.073	-0.073	-0.073	-0.073	-0.073	-0.073	-0.073	-0.073	-0.073
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.03	0.04	0.05	0.07	0.08	0.10	0.11
		Mz	0.00	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16
	TB-450 - D2	N	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188
		Vy	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107
		Vz	-0.044	-0.044	-0.044	-0.044	-0.044	-0.044	-0.044	-0.044	-0.044
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.07
		Mz	0.00	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16
	TB-450 - E1	N	-0.208	-0.208	-0.208	-0.208	-0.208	-0.208	-0.208	-0.208	-0.208

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Vy	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180
		Vz	-51.010	-51.010	-51.010	-51.010	-51.010	-51.010	-51.010	-51.010	-51.010
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	9.56	19.13	28.69	38.26	47.82	57.39	66.95	76.52
		Mz	0.00	-0.03	-0.07	-0.10	-0.14	-0.17	-0.20	-0.24	-0.27
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N56/N57	Peso próprio	N	0.201	0.201	0.201
		Vy	0.286	0.286	0.286
		Vz	-129.923	-129.510	-129.097
		Mt	0.00	0.00	0.00
		My	197.21	223.15	249.01
		Mz	-0.43	-0.49	-0.54
	LAJE	N	2.287	2.287	2.287
		Vy	-0.074	-0.074	-0.074
		Vz	-82.692	-78.773	-74.853
		Mt	0.00	0.00	0.00
		My	146.08	162.23	177.59
		Mz	0.11	0.13	0.14
	PAVIMENTAÇÃO	N	1.285	1.285	1.285
		Vy	-0.045	-0.045	-0.045
		Vz	-43.917	-43.917	-43.917
		Mt	0.00	0.00	0.00
		My	78.81	87.59	96.38
		Mz	0.07	0.08	0.09
	RECAPEAMENTO	N	0.584	0.584	0.584
		Vy	-0.020	-0.020	-0.020
		Vz	-19.962	-19.962	-19.962
		Mt	0.00	0.00	0.00
		My	35.82	39.81	43.81
		Mz	0.03	0.03	0.04
	GUARDA-RODAS	N	0.188	0.188	0.188
		Vy	0.005	0.005	0.005
		Vz	-15.091	-7.540	0.011
		Mt	0.00	0.00	0.00
		My	22.64	24.90	25.65
		Mz	-0.01	-0.01	-0.01
	Vento 0	N	6.419	6.419	6.419
		Vy	0.060	0.060	0.060
		Vz	1.013	1.013	1.013
		Mt	0.00	0.00	0.00
		My	-1.52	-1.72	-1.92
		Mz	-0.09	-0.10	-0.11

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
	Vento 180	N	-29.230	-29.230	-29.230
		Vy	-0.047	-0.047	-0.047
		Vz	-0.792	-0.792	-0.792
		Mt	0.00	0.00	0.00
		My	1.19	1.35	1.50
		Mz	0.07	0.08	0.09
	Multidão - Passeio	N	0.054	0.054	0.054
		Vy	0.029	0.029	0.029
		Vz	0.009	0.009	0.009
		Mt	0.00	0.00	0.00
		My	14.68	14.68	14.68
		Mz	-0.04	-0.05	-0.05
	Multidão - TB450	N	1.799	1.799	1.799
		Vy	-0.102	-0.102	-0.102
		Vz	-63.892	-63.892	-63.892
		Mt	0.00	0.00	0.00
		My	95.84	108.62	121.39
		Mz	0.15	0.17	0.19
	TB-450 - A1	N	-1.007	-1.007	-1.007
		Vy	0.140	0.140	0.140
		Vz	0.041	0.041	0.041
		Mt	0.00	0.00	0.00
		My	-0.06	-0.07	-0.08
		Mz	-0.21	-0.24	-0.27
	TB-450 - A2	N	-1.004	-1.004	-1.004
		Vy	0.140	0.140	0.140
		Vz	0.041	0.041	0.041
		Mt	0.00	0.00	0.00
		My	-0.06	-0.07	-0.08
		Mz	-0.21	-0.24	-0.27
	TB-450 - B1	N	-0.361	-0.361	-0.361
		Vy	-0.113	-0.113	-0.113
		Vz	-0.052	-0.052	-0.052
		Mt	0.00	0.00	0.00
		My	0.08	0.09	0.10
		Mz	0.17	0.19	0.21
	TB-450 - B2	N	0.344	0.344	0.344
		Vy	-0.113	-0.113	-0.113
		Vz	-0.034	-0.034	-0.034
		Mt	0.00	0.00	0.00
		My	0.05	0.06	0.07
		Mz	0.17	0.19	0.21
	TB-450 - C1	N	-0.417	-0.417	-0.417
		Vy	-0.216	-0.216	-0.216
		Vz	-0.090	-0.090	-0.090
		Mt	0.00	0.00	0.00
		My	0.13	0.15	0.17
		Mz	0.32	0.37	0.41
	TB-450 - C2	N	0.384	0.384	0.384

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Vy	-0.216	-0.216	-0.216
		Vz	-0.071	-0.071	-0.071
		Mt	0.00	0.00	0.00
		My	0.11	0.12	0.13
		Mz	0.32	0.37	0.41
	TB-450 - D1	N	-0.219	-0.219	-0.219
		Vy	-0.107	-0.107	-0.107
		Vz	-0.073	-0.073	-0.073
		Mt	0.00	0.00	0.00
		My	0.11	0.12	0.14
		Mz	0.16	0.18	0.20
	TB-450 - D2	N	0.188	0.188	0.188
		Vy	-0.107	-0.107	-0.107
		Vz	-0.044	-0.044	-0.044
		Mt	0.00	0.00	0.00
		My	0.07	0.07	0.08
		Mz	0.16	0.18	0.20
	TB-450 - E1	N	-0.208	-0.208	-0.208
		Vy	0.180	0.180	0.180
		Vz	-51.010	-51.010	-51.010
		Mt	0.00	0.00	0.00
		My	76.52	86.72	96.92
		Mz	-0.27	-0.31	-0.34
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N57/N58	Peso próprio	N	0.201	0.201	0.201	0.201	0.201	0.201	0.201	0.201	0.201
		Vy	0.286	0.286	0.286	0.286	0.286	0.286	0.286	0.286	0.286
		Vz	-129.097	-103.578	-78.059	-65.299	-39.780	-14.260	11.259	24.018	49.538
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	249.01	298.87	337.79	353.15	375.67	387.25	387.89	384.11	368.35
		Mz	-0.54	-0.67	-0.79	-0.85	-0.97	-1.09	-1.22	-1.28	-1.40
	LAJE	N	2.287	2.287	2.287	2.287	2.287	2.287	2.287	2.287	2.287
		Vy	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074
		Vz	-74.853	-66.455	-58.057	-53.858	-45.460	-37.062	-28.663	-24.464	-16.066
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	177.59	207.87	234.55	246.54	267.83	285.51	299.59	305.29	313.97
		Mz	0.14	0.17	0.20	0.22	0.25	0.28	0.31	0.33	0.36
	PAVIMENTAÇÃO	N	1.285	1.285	1.285	1.285	1.285	1.285	1.285	1.285	1.285
		Vy	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045
		Vz	-43.917	-38.990	-34.063	-31.600	-26.673	-21.746	-16.819	-14.356	-9.429
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	96.38	114.14	129.80	136.83	149.32	159.69	167.96	171.30	176.39
		Mz	0.09	0.10	0.12	0.13	0.15	0.17	0.19	0.20	0.22
	RECAPEAMENTO	N	0.584	0.584	0.584	0.584	0.584	0.584	0.584	0.584	0.584

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Vy	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020
		Vz	-19.962	-17.723	-15.483	-14.364	-12.124	-9.885	-7.645	-6.525	-4.286
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	43.81	51.88	59.00	62.20	67.87	72.59	76.34	77.86	80.18
		Mz	0.04	0.05	0.06	0.06	0.07	0.08	0.09	0.09	0.10
	GUARDA-RODAS	N	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.65	25.65	25.64	25.64	25.64	25.63	25.63	25.63	25.62
		Mz	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02
	Vento 0	N	6.419	6.419	6.419	6.419	6.419	6.419	6.419	6.419	6.419
		Vy	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060
		Vz	1.013	1.013	1.013	1.013	1.013	1.013	1.013	1.013	1.013
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.92	-2.36	-2.79	-3.01	-3.44	-3.88	-4.31	-4.53	-4.96
		Mz	-0.11	-0.14	-0.17	-0.18	-0.20	-0.23	-0.25	-0.27	-0.29
	Vento 180	N	-29.230	-29.230	-29.230	-29.230	-29.230	-29.230	-29.230	-29.230	-29.230
		Vy	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047
		Vz	-0.792	-0.792	-0.792	-0.792	-0.792	-0.792	-0.792	-0.792	-0.792
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.50	1.84	2.18	2.35	2.69	3.03	3.37	3.54	3.88
		Mz	0.09	0.11	0.13	0.14	0.16	0.18	0.20	0.21	0.23
	Multidão - Passeio	N	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
		Vy	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029
		Vz	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.68	14.67	14.67	14.67	14.66	14.66	14.66	14.65	14.65
		Mz	-0.05	-0.07	-0.08	-0.09	-0.10	-0.11	-0.12	-0.13	-0.14
	Multidão - TB450	N	1.799	1.799	1.799	1.799	1.799	1.799	1.799	1.799	1.799
		Vy	-0.102	-0.102	-0.102	-0.102	-0.102	-0.102	-0.102	-0.102	-0.102
		Vz	-63.892	-56.725	-49.559	-45.976	-38.809	-31.643	-24.476	-20.893	-13.727
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	121.39	147.24	170.02	180.25	198.42	213.52	225.54	230.40	237.82
		Mz	0.19	0.24	0.28	0.30	0.35	0.39	0.43	0.46	0.50
	TB-450 - A1	N	-1.007	-1.007	-1.007	-1.007	-1.007	-1.007	-1.007	-1.007	-1.007
		Vy	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140
		Vz	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.08	-0.10	-0.11	-0.12	-0.14	-0.16	-0.18	-0.18	-0.20
		Mz	-0.27	-0.33	-0.39	-0.42	-0.48	-0.54	-0.60	-0.63	-0.69
	TB-450 - A2	N	-1.004	-1.004	-1.004	-1.004	-1.004	-1.004	-1.004	-1.004	-1.004
		Vy	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140
		Vz	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.08	-0.10	-0.11	-0.12	-0.14	-0.16	-0.17	-0.18	-0.20
		Mz	-0.27	-0.33	-0.39	-0.42	-0.48	-0.54	-0.60	-0.63	-0.69
	TB-450 - B1	N	-0.361	-0.361	-0.361	-0.361	-0.361	-0.361	-0.361	-0.361	-0.361
		Vy	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113
		Vz	-0.052	-0.052	-0.052	-0.052	-0.052	-0.052	-0.052	-0.052	-0.052
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.10	0.12	0.14	0.15	0.18	0.20	0.22	0.23	0.25
		Mz	0.21	0.26	0.31	0.34	0.38	0.43	0.48	0.51	0.55
	TB-450 - B2	N	0.344	0.344	0.344	0.344	0.344	0.344	0.344	0.344	0.344
		Vy	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113
		Vz	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		My	0.07	0.08	0.09	0.10	0.12	0.13	0.15	0.15	0.17
		Mz	0.21	0.26	0.31	0.34	0.38	0.43	0.48	0.50	0.55
	TB-450 - C1	N	-0.417	-0.417	-0.417	-0.417	-0.417	-0.417	-0.417	-0.417	-0.417
		Vy	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216
		Vz	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.17	0.21	0.25	0.27	0.31	0.34	0.38	0.40	0.44
		Mz	0.41	0.50	0.60	0.64	0.74	0.83	0.92	0.97	1.06
	TB-450 - C2	N	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384	0.384
		Vy	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216	-0.216
		Vz	-0.071	-0.071	-0.071	-0.071	-0.071	-0.071	-0.071	-0.071	-0.071
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.13	0.16	0.19	0.21	0.24	0.27	0.30	0.32	0.35
		Mz	0.41	0.50	0.60	0.64	0.74	0.83	0.92	0.97	1.06
	TB-450 - D1	N	-0.219	-0.219	-0.219	-0.219	-0.219	-0.219	-0.219	-0.219	-0.219
		Vy	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107
		Vz	-0.073	-0.073	-0.073	-0.073	-0.073	-0.073	-0.073	-0.073	-0.073
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.14	0.17	0.20	0.22	0.25	0.28	0.31	0.33	0.36
		Mz	0.20	0.25	0.29	0.32	0.36	0.41	0.45	0.48	0.52
	TB-450 - D2	N	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188
		Vy	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107
		Vz	-0.044	-0.044	-0.044	-0.044	-0.044	-0.044	-0.044	-0.044	-0.044
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.08	0.10	0.12	0.13	0.15	0.17	0.19	0.20	0.22
		Mz	0.20	0.25	0.30	0.32	0.36	0.41	0.46	0.48	0.53
	TB-450 - E1	N	-0.208	-0.208	-0.208	-0.208	-0.208	-0.208	-0.208	-0.208	-0.208
		Vy	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180
		Vz	-51.010	-51.010	-51.010	-51.010	-51.010	-51.010	-51.010	-51.010	-51.010
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	96.92	118.78	140.64	151.57	173.44	195.30	217.16	228.09	249.95
		Mz	-0.34	-0.42	-0.50	-0.54	-0.61	-0.69	-0.77	-0.81	-0.88
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N58/N32	Peso próprio	N	0.201	0.201	0.201	0.201	0.201
		Vy	0.286	0.286	0.286	0.286	0.286
		Vz	49.538	49.963	50.389	50.815	51.241
		Mt	0.00	0.00	0.00	0.00	0.00
		My	368.35	358.09	347.74	337.30	326.78
		Mz	-1.40	-1.46	-1.52	-1.58	-1.64
	LAJE	N	2.287	2.287	2.287	2.287	2.287
		Vy	-0.074	-0.074	-0.074	-0.074	-0.074
		Vz	-16.066	-12.024	-7.983	-3.941	0.100
		Mt	0.00	0.00	0.00	0.00	0.00
		My	313.97	316.87	318.93	320.16	320.56
		Mz	0.36	0.38	0.39	0.41	0.42

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
	PAVIMENTAÇÃO	N	1.285	1.285	1.285	1.285	1.285
		Vy	-0.045	-0.045	-0.045	-0.045	-0.045
		Vz	-9.429	-7.058	-4.687	-2.315	0.056
		Mt	0.00	0.00	0.00	0.00	0.00
		My	176.39	178.10	179.31	180.03	180.26
		Mz	0.22	0.23	0.24	0.25	0.26
	RECAPEAMENTO	N	0.584	0.584	0.584	0.584	0.584
		Vy	-0.020	-0.020	-0.020	-0.020	-0.020
		Vz	-4.286	-3.208	-2.130	-1.052	0.025
		Mt	0.00	0.00	0.00	0.00	0.00
		My	80.18	80.95	81.50	81.83	81.94
		Mz	0.10	0.10	0.11	0.11	0.12
	GUARDA-RODAS	N	0.188	0.188	0.188	0.188	0.188
		Vy	0.005	0.005	0.005	0.005	0.005
		Vz	0.011	0.011	0.011	0.011	0.011
		Mt	0.00	0.00	0.00	0.00	0.00
		My	25.62	25.62	25.62	25.61	25.61
		Mz	-0.02	-0.02	-0.02	-0.03	-0.03
	Vento 0	N	6.419	6.419	6.419	6.419	6.419
		Vy	0.060	0.060	0.060	0.060	0.060
		Vz	1.013	1.013	1.013	1.013	1.013
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-4.96	-5.17	-5.38	-5.59	-5.80
		Mz	-0.29	-0.31	-0.32	-0.33	-0.34
	Vento 180	N	-29.230	-29.230	-29.230	-29.230	-29.230
		Vy	-0.047	-0.047	-0.047	-0.047	-0.047
		Vz	-0.792	-0.792	-0.792	-0.792	-0.792
		Mt	0.00	0.00	0.00	0.00	0.00
		My	3.88	4.04	4.21	4.37	4.53
		Mz	0.23	0.24	0.25	0.26	0.27
	Multidão - Passeio	N	0.054	0.054	0.054	0.054	0.054
		Vy	0.029	0.029	0.029	0.029	0.029
		Vz	0.009	0.009	0.009	0.009	0.009
		Mt	0.00	0.00	0.00	0.00	0.00
		My	14.65	14.65	14.65	14.64	14.64
		Mz	-0.14	-0.15	-0.15	-0.16	-0.16
	Multidão - TB450	N	1.799	1.799	1.799	1.799	1.799
		Vy	-0.102	-0.102	-0.102	-0.102	-0.102
		Vz	-13.727	-10.278	-6.829	-3.380	0.069
		Mt	0.00	0.00	0.00	0.00	0.00
		My	237.82	240.30	242.06	243.11	243.46
		Mz	0.50	0.52	0.54	0.56	0.58
	TB-450 - A1	N	-1.007	-1.007	-1.007	-1.007	-1.007
		Vy	0.140	0.140	0.140	0.140	0.140
		Vz	0.041	0.041	0.041	0.041	0.041
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.20	-0.21	-0.22	-0.23	-0.24
		Mz	-0.69	-0.72	-0.75	-0.77	-0.80
	TB-450 - A2	N	-1.004	-1.004	-1.004	-1.004	-1.004

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Vy	0.140	0.140	0.140	0.140	0.140
		Vz	0.041	0.041	0.041	0.041	0.041
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.20	-0.21	-0.22	-0.23	-0.23
		Mz	-0.69	-0.71	-0.74	-0.77	-0.80
	TB-450 - B1	N	-0.361	-0.361	-0.361	-0.361	-0.361
		Vy	-0.113	-0.113	-0.113	-0.113	-0.113
		Vz	-0.052	-0.052	-0.052	-0.052	-0.052
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.25	0.26	0.27	0.28	0.30
		Mz	0.55	0.58	0.60	0.62	0.65
	TB-450 - B2	N	0.344	0.344	0.344	0.344	0.344
		Vy	-0.113	-0.113	-0.113	-0.113	-0.113
		Vz	-0.034	-0.034	-0.034	-0.034	-0.034
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.17	0.18	0.18	0.19	0.20
		Mz	0.55	0.58	0.60	0.62	0.65
	TB-450 - C1	N	-0.417	-0.417	-0.417	-0.417	-0.417
		Vy	-0.216	-0.216	-0.216	-0.216	-0.216
		Vz	-0.090	-0.090	-0.090	-0.090	-0.090
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.44	0.46	0.48	0.50	0.51
		Mz	1.06	1.10	1.15	1.19	1.24
	TB-450 - C2	N	0.384	0.384	0.384	0.384	0.384
		Vy	-0.216	-0.216	-0.216	-0.216	-0.216
		Vz	-0.071	-0.071	-0.071	-0.071	-0.071
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.35	0.36	0.37	0.39	0.40
		Mz	1.06	1.11	1.15	1.19	1.24
	TB-450 - D1	N	-0.219	-0.219	-0.219	-0.219	-0.219
		Vy	-0.107	-0.107	-0.107	-0.107	-0.107
		Vz	-0.073	-0.073	-0.073	-0.073	-0.073
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.36	0.37	0.39	0.40	0.42
		Mz	0.52	0.54	0.57	0.59	0.61
	TB-450 - D2	N	0.188	0.188	0.188	0.188	0.188
		Vy	-0.107	-0.107	-0.107	-0.107	-0.107
		Vz	-0.044	-0.044	-0.044	-0.044	-0.044
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.22	0.22	0.23	0.24	0.25
		Mz	0.53	0.55	0.57	0.59	0.61
	TB-450 - E1	N	-0.208	-0.208	-0.208	-0.208	-0.208
		Vy	0.180	0.180	0.180	0.180	0.180
		Vz	-51.010	-51.010	-51.010	-51.010	-51.010
		Mt	0.00	0.00	0.00	0.00	0.00
		My	249.95	260.47	270.99	281.51	292.03
		Mz	-0.88	-0.92	-0.96	-0.99	-1.03
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N32/N61	Peso próprio	N	0.059	0.059	0.059	0.059	0.059
		Vy	-0.287	-0.287	-0.287	-0.287	-0.287
		Vz	51.239	51.664	52.090	52.516	52.942
		Mt	0.00	0.00	0.00	0.00	0.00
		My	327.17	316.56	305.86	295.07	284.19
		Mz	-1.64	-1.58	-1.52	-1.46	-1.41
	LAJE	N	2.278	2.278	2.278	2.278	2.278
		Vy	0.074	0.074	0.074	0.074	0.074
		Vz	-0.100	3.942	7.983	12.025	16.067
		Mt	0.00	0.00	0.00	0.00	0.00
		My	320.56	320.16	318.93	316.87	313.97
		Mz	0.42	0.41	0.39	0.38	0.36
	PAVIMENTAÇÃO	N	1.279	1.279	1.279	1.279	1.279
		Vy	0.045	0.045	0.045	0.045	0.045
		Vz	-0.055	2.316	4.687	7.058	9.429
		Mt	0.00	0.00	0.00	0.00	0.00
		My	180.26	180.03	179.31	178.10	176.40
		Mz	0.26	0.25	0.24	0.23	0.22
	RECAPEAMENTO	N	0.582	0.582	0.582	0.582	0.582
		Vy	0.020	0.020	0.020	0.020	0.020
		Vz	-0.025	1.053	2.130	3.208	4.286
		Mt	0.00	0.00	0.00	0.00	0.00
		My	81.94	81.83	81.50	80.95	80.18
		Mz	0.12	0.11	0.11	0.10	0.10
	GUARDA-RODAS	N	0.186	0.186	0.186	0.186	0.186
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	-0.011	-0.011	-0.011	-0.011	-0.011
		Mt	0.00	0.00	0.00	0.00	0.00
		My	25.61	25.61	25.62	25.62	25.62
		Mz	-0.03	-0.03	-0.02	-0.02	-0.02
	Vento 0	N	-31.795	-31.795	-31.795	-31.795	-31.795
		Vy	0.059	0.059	0.059	0.059	0.059
		Vz	1.014	1.014	1.014	1.014	1.014
		Mt	0.00	0.00	0.00	0.00	0.00
		My	5.81	5.60	5.39	5.18	4.97
		Mz	0.34	0.33	0.31	0.30	0.29
	Vento 180	N	0.631	0.631	0.631	0.631	0.631
		Vy	-0.047	-0.047	-0.047	-0.047	-0.047
		Vz	-0.790	-0.790	-0.790	-0.790	-0.790
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-4.52	-4.36	-4.20	-4.04	-3.87

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Mz	-0.27	-0.26	-0.25	-0.24	-0.23
	Multidão - Passeio	N	0.053	0.053	0.053	0.053	0.053
		Vy	-0.029	-0.029	-0.029	-0.029	-0.029
		Vz	-0.009	-0.009	-0.009	-0.009	-0.009
		Mt	0.00	0.00	0.00	0.00	0.00
		My	14.64	14.65	14.65	14.65	14.65
		Mz	-0.16	-0.16	-0.15	-0.15	-0.14
	Multidão - TB450	N	1.794	1.794	1.794	1.794	1.794
		Vy	0.102	0.102	0.102	0.102	0.102
		Vz	-0.068	3.380	6.829	10.278	13.727
		Mt	0.00	0.00	0.00	0.00	0.00
		My	243.46	243.12	242.06	240.30	237.82
		Mz	0.58	0.56	0.54	0.52	0.50
	TB-450 - A1	N	-1.007	-1.007	-1.007	-1.007	-1.007
		Vy	-0.140	-0.140	-0.140	-0.140	-0.140
		Vz	-0.041	-0.041	-0.041	-0.041	-0.041
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.23	-0.23	-0.22	-0.21	-0.20
		Mz	-0.80	-0.77	-0.74	-0.72	-0.69
	TB-450 - A2	N	-1.004	-1.004	-1.004	-1.004	-1.004
		Vy	-0.140	-0.140	-0.140	-0.140	-0.140
		Vz	-0.041	-0.041	-0.041	-0.041	-0.041
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.24	-0.23	-0.22	-0.21	-0.20
		Mz	-0.80	-0.77	-0.74	-0.71	-0.69
	TB-450 - B1	N	0.320	0.320	0.320	0.320	0.320
		Vy	0.112	0.112	0.112	0.112	0.112
		Vz	0.034	0.034	0.034	0.034	0.034
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.20	0.19	0.18	0.18	0.17
		Mz	0.64	0.62	0.59	0.57	0.55
	TB-450 - B2	N	-0.343	-0.343	-0.343	-0.343	-0.343
		Vy	0.114	0.114	0.114	0.114	0.114
		Vz	0.052	0.052	0.052	0.052	0.052
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.30	0.29	0.27	0.26	0.25
		Mz	0.65	0.63	0.61	0.58	0.56
	TB-450 - C1	N	0.358	0.358	0.358	0.358	0.358
		Vy	0.215	0.215	0.215	0.215	0.215
		Vz	0.071	0.071	0.071	0.071	0.071
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.40	0.39	0.37	0.36	0.35
		Mz	1.23	1.19	1.14	1.10	1.05
	TB-450 - C2	N	-0.401	-0.401	-0.401	-0.401	-0.401
		Vy	0.218	0.218	0.218	0.218	0.218
		Vz	0.090	0.090	0.090	0.090	0.090
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.52	0.50	0.48	0.46	0.44
		Mz	1.25	1.20	1.16	1.11	1.07

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
	TB-450 - D1	N	0.170	0.170	0.170	0.170	0.170
		Vy	0.105	0.105	0.105	0.105	0.105
		Vz	0.044	0.044	0.044	0.044	0.044
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.25	0.24	0.23	0.22	0.22
		Mz	0.60	0.58	0.56	0.54	0.51
	TB-450 - D2	N	-0.213	-0.213	-0.213	-0.213	-0.213
		Vy	0.109	0.109	0.109	0.109	0.109
		Vz	0.074	0.074	0.074	0.074	0.074
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.42	0.41	0.39	0.38	0.36
		Mz	0.62	0.60	0.58	0.56	0.53
	TB-450 - E1	N	-0.059	-0.059	-0.059	-0.059	-0.059
		Vy	-0.181	-0.181	-0.181	-0.181	-0.181
		Vz	-51.469	-51.469	-51.469	-51.469	-51.469
		Mt	0.00	0.00	0.00	0.00	0.00
		My	291.64	302.26	312.87	323.49	334.11
		Mz	-1.04	-1.00	-0.96	-0.93	-0.89
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N61/N60	Peso próprio	N	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059
		Vy	-0.287	-0.287	-0.287	-0.287	-0.287	-0.287	-0.287	-0.287	-0.287
		Vz	52.942	53.826	54.711	55.153	56.038	56.922	57.807	58.249	59.134
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	284.19	261.31	238.06	226.29	202.46	178.25	153.67	141.23	116.08
		Mz	-1.41	-1.28	-1.16	-1.10	-0.98	-0.85	-0.73	-0.67	-0.55
	LAJE	N	2.278	2.278	2.278	2.278	2.278	2.278	2.278	2.278	2.278
		Vy	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074
		Vz	16.067	24.465	32.863	37.062	45.460	53.859	62.257	66.456	74.854
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	313.97	305.29	293.00	285.51	267.83	246.55	221.66	207.87	177.59
		Mz	0.36	0.33	0.30	0.28	0.25	0.22	0.19	0.17	0.14
	PAVIMENTAÇÃO	N	1.279	1.279	1.279	1.279	1.279	1.279	1.279	1.279	1.279
		Vy	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
		Vz	9.429	14.356	19.283	21.746	26.673	31.600	36.527	38.991	43.918
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	176.40	171.30	164.09	159.70	149.32	136.83	122.23	114.14	96.38
		Mz	0.22	0.20	0.18	0.17	0.15	0.13	0.11	0.10	0.08
	RECAPEAMENTO	N	0.582	0.582	0.582	0.582	0.582	0.582	0.582	0.582	0.582
		Vy	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
		Vz	4.286	6.525	8.765	9.885	12.124	14.364	16.603	17.723	19.963
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	80.18	77.86	74.59	72.59	67.87	62.20	55.56	51.88	43.81

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Mz	0.10	0.09	0.08	0.08	0.07	0.06	0.05	0.05	0.04
	GUARDA-RODAS	N	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.62	25.63	25.63	25.63	25.64	25.64	25.65	25.65	25.65
		Mz	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01
	Vento 0	N	-31.795	-31.795	-31.795	-31.795	-31.795	-31.795	-31.795	-31.795	-31.795
		Vy	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059
		Vz	1.014	1.014	1.014	1.014	1.014	1.014	1.014	1.014	1.014
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.97	4.54	4.10	3.88	3.45	3.01	2.58	2.36	1.93
		Mz	0.29	0.26	0.24	0.23	0.20	0.18	0.15	0.14	0.11
	Vento 180	N	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631
		Vy	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047
		Vz	-0.790	-0.790	-0.790	-0.790	-0.790	-0.790	-0.790	-0.790	-0.790
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.87	-3.53	-3.20	-3.03	-2.69	-2.35	-2.01	-1.84	-1.50
		Mz	-0.23	-0.21	-0.19	-0.18	-0.16	-0.14	-0.12	-0.11	-0.09
	Multidão - Passeio	N	0.053	0.053	0.053	0.053	0.053	0.053	0.053	0.053	0.053
		Vy	-0.029	-0.029	-0.029	-0.029	-0.029	-0.029	-0.029	-0.029	-0.029
		Vz	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.65	14.65	14.66	14.66	14.66	14.67	14.67	14.68	14.68
		Mz	-0.14	-0.13	-0.12	-0.11	-0.10	-0.09	-0.07	-0.07	-0.05
	Multidão - TB450	N	1.794	1.794	1.794	1.794	1.794	1.794	1.794	1.794	1.794
		Vy	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102
		Vz	13.727	20.893	28.060	31.643	38.810	45.976	53.142	56.726	63.892
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	237.82	230.41	219.92	213.52	198.42	180.25	159.01	147.24	121.40
		Mz	0.50	0.46	0.41	0.39	0.35	0.30	0.26	0.24	0.19
	TB-450 - A1	N	-1.007	-1.007	-1.007	-1.007	-1.007	-1.007	-1.007	-1.007	-1.007
		Vy	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140
		Vz	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.20	-0.18	-0.17	-0.16	-0.14	-0.12	-0.10	-0.10	-0.08
		Mz	-0.69	-0.63	-0.57	-0.54	-0.48	-0.42	-0.36	-0.33	-0.27
	TB-450 - A2	N	-1.004	-1.004	-1.004	-1.004	-1.004	-1.004	-1.004	-1.004	-1.004
		Vy	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140
		Vz	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.20	-0.18	-0.17	-0.16	-0.14	-0.12	-0.10	-0.10	-0.08
		Mz	-0.69	-0.63	-0.57	-0.54	-0.48	-0.42	-0.36	-0.33	-0.27
	TB-450 - B1	N	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320
		Vy	0.112	0.112	0.112	0.112	0.112	0.112	0.112	0.112	0.112
		Vz	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.17	0.15	0.14	0.13	0.12	0.10	0.09	0.08	0.07
		Mz	0.55	0.50	0.45	0.43	0.38	0.33	0.28	0.26	0.21
	TB-450 - B2	N	-0.343	-0.343	-0.343	-0.343	-0.343	-0.343	-0.343	-0.343	-0.343
		Vy	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114
		Vz	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.25	0.23	0.21	0.20	0.18	0.15	0.13	0.12	0.10

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Mz	0.56	0.51	0.46	0.44	0.39	0.34	0.29	0.27	0.22
	TB-450 - C1	N	0.358	0.358	0.358	0.358	0.358	0.358	0.358	0.358	0.358
		Vy	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215
		Vz	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.35	0.32	0.29	0.27	0.24	0.21	0.18	0.16	0.13
		Mz	1.05	0.96	0.87	0.82	0.73	0.64	0.55	0.50	0.41
	TB-450 - C2	N	-0.401	-0.401	-0.401	-0.401	-0.401	-0.401	-0.401	-0.401	-0.401
		Vy	0.218	0.218	0.218	0.218	0.218	0.218	0.218	0.218	0.218
		Vz	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.44	0.40	0.36	0.34	0.31	0.27	0.23	0.21	0.17
		Mz	1.07	0.97	0.88	0.83	0.74	0.65	0.55	0.51	0.41
	TB-450 - D1	N	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170
		Vy	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105
		Vz	0.044	0.044	0.044	0.044	0.044	0.044	0.044	0.044	0.044
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.22	0.20	0.18	0.17	0.15	0.13	0.11	0.10	0.08
		Mz	0.51	0.47	0.42	0.40	0.36	0.31	0.27	0.24	0.20
	TB-450 - D2	N	-0.213	-0.213	-0.213	-0.213	-0.213	-0.213	-0.213	-0.213	-0.213
		Vy	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.109
		Vz	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.36	0.33	0.30	0.28	0.25	0.22	0.19	0.17	0.14
		Mz	0.53	0.49	0.44	0.42	0.37	0.32	0.28	0.25	0.21
	TB-450 - E1	N	-0.059	-0.059	-0.059	-0.059	-0.059	-0.059	-0.059	-0.059	-0.059
		Vy	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181
		Vz	-51.469	-26.835	-2.200	10.117	34.752	59.387	84.021	96.339	120.973
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	334.11	350.89	357.11	356.26	346.64	326.47	295.74	276.42	229.85
		Mz	-0.89	-0.81	-0.73	-0.69	-0.62	-0.54	-0.46	-0.42	-0.34
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N60/N59	Peso próprio	N	0.059	0.059	0.059
		Vy	-0.287	-0.287	-0.287
		Vz	59.134	59.547	59.959
		Mt	0.00	0.00	0.00
		My	116.08	104.21	92.26
		Mz	-0.55	-0.49	-0.43
	LAJE	N	2.278	2.278	2.278
		Vy	0.074	0.074	0.074
		Vz	74.854	78.773	82.692
		Mt	0.00	0.00	0.00
		My	177.59	162.23	146.08

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Mz	0.14	0.13	0.11
	PAVIMENTAÇÃO	N	1.279	1.279	1.279
		Vy	0.045	0.045	0.045
		Vz	43.918	43.918	43.918
		Mt	0.00	0.00	0.00
		My	96.38	87.59	78.81
		Mz	0.08	0.08	0.07
	RECAPEAMENTO	N	0.582	0.582	0.582
		Vy	0.020	0.020	0.020
		Vz	19.963	19.963	19.963
		Mt	0.00	0.00	0.00
		My	43.81	39.82	35.82
		Mz	0.04	0.03	0.03
	GUARDA-RODAS	N	0.186	0.186	0.186
		Vy	-0.005	-0.005	-0.005
		Vz	-0.011	7.540	15.091
		Mt	0.00	0.00	0.00
		My	25.65	24.90	22.64
		Mz	-0.01	-0.01	-0.01
	Vento 0	N	-31.795	-31.795	-31.795
		Vy	0.059	0.059	0.059
		Vz	1.014	1.014	1.014
		Mt	0.00	0.00	0.00
		My	1.93	1.72	1.52
		Mz	0.11	0.10	0.09
	Vento 180	N	0.631	0.631	0.631
		Vy	-0.047	-0.047	-0.047
		Vz	-0.790	-0.790	-0.790
		Mt	0.00	0.00	0.00
		My	-1.50	-1.34	-1.19
		Mz	-0.09	-0.08	-0.07
	Multidão - Passeio	N	0.053	0.053	0.053
		Vy	-0.029	-0.029	-0.029
		Vz	-0.009	-0.009	-0.009
		Mt	0.00	0.00	0.00
		My	14.68	14.68	14.68
		Mz	-0.05	-0.05	-0.04
	Multidão - TB450	N	1.794	1.794	1.794
		Vy	0.102	0.102	0.102
		Vz	63.892	63.892	63.892
		Mt	0.00	0.00	0.00
		My	121.40	108.62	95.84
		Mz	0.19	0.17	0.15
	TB-450 - A1	N	-1.007	-1.007	-1.007
		Vy	-0.140	-0.140	-0.140
		Vz	-0.041	-0.041	-0.041
		Mt	0.00	0.00	0.00
		My	-0.08	-0.07	-0.06
		Mz	-0.27	-0.24	-0.21

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
	TB-450 - A2	N	-1.004	-1.004	-1.004
		Vy	-0.140	-0.140	-0.140
		Vz	-0.041	-0.041	-0.041
		Mt	0.00	0.00	0.00
		My	-0.08	-0.07	-0.06
		Mz	-0.27	-0.24	-0.21
	TB-450 - B1	N	0.320	0.320	0.320
		Vy	0.112	0.112	0.112
		Vz	0.034	0.034	0.034
		Mt	0.00	0.00	0.00
		My	0.07	0.06	0.05
		Mz	0.21	0.19	0.17
	TB-450 - B2	N	-0.343	-0.343	-0.343
		Vy	0.114	0.114	0.114
		Vz	0.052	0.052	0.052
		Mt	0.00	0.00	0.00
		My	0.10	0.09	0.08
		Mz	0.22	0.19	0.17
	TB-450 - C1	N	0.358	0.358	0.358
		Vy	0.215	0.215	0.215
		Vz	0.071	0.071	0.071
		Mt	0.00	0.00	0.00
		My	0.13	0.12	0.11
		Mz	0.41	0.37	0.32
	TB-450 - C2	N	-0.401	-0.401	-0.401
		Vy	0.218	0.218	0.218
		Vz	0.090	0.090	0.090
		Mt	0.00	0.00	0.00
		My	0.17	0.15	0.14
		Mz	0.41	0.37	0.33
	TB-450 - D1	N	0.170	0.170	0.170
		Vy	0.105	0.105	0.105
		Vz	0.044	0.044	0.044
		Mt	0.00	0.00	0.00
		My	0.08	0.07	0.07
		Mz	0.20	0.18	0.16
	TB-450 - D2	N	-0.213	-0.213	-0.213
		Vy	0.109	0.109	0.109
		Vz	0.074	0.074	0.074
		Mt	0.00	0.00	0.00
		My	0.14	0.13	0.11
		Mz	0.21	0.19	0.16
	TB-450 - E1	N	-0.059	-0.059	-0.059
		Vy	-0.181	-0.181	-0.181
		Vz	120.973	120.973	120.973
		Mt	0.00	0.00	0.00
		My	229.85	205.65	181.46
		Mz	-0.34	-0.31	-0.27
	TB-450 - E2	N	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N59/N30	Peso próprio	N	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059
		Vy	-0.287	-0.287	-0.287	-0.287	-0.287	-0.287	-0.287	-0.287	-0.287
		Vz	59.959	60.346	60.733	61.120	61.507	61.894	62.282	62.669	63.056
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	92.26	80.98	69.63	58.21	46.71	35.14	23.50	11.79	0.00
		Mz	-0.43	-0.38	-0.32	-0.27	-0.22	-0.16	-0.11	-0.05	0.00
	LAJE	N	2.278	2.278	2.278	2.278	2.278	2.278	2.278	2.278	2.278
		Vy	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074
		Vz	82.692	86.367	90.041	93.715	97.389	101.063	104.738	108.412	112.086
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	146.08	130.23	113.70	96.47	78.55	59.95	40.65	20.67	0.00
		Mz	0.11	0.10	0.08	0.07	0.06	0.04	0.03	0.01	0.00
	PAVIMENTAÇÃO	N	1.279	1.279	1.279	1.279	1.279	1.279	1.279	1.279	1.279
		Vy	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
		Vz	43.918	46.073	48.229	50.384	52.540	54.695	56.851	59.006	61.162
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	78.81	70.37	61.53	52.29	42.64	32.58	22.13	11.27	0.00
		Mz	0.07	0.06	0.05	0.04	0.03	0.03	0.02	0.01	0.00
	RECAPEAMENTO	N	0.582	0.582	0.582	0.582	0.582	0.582	0.582	0.582	0.582
		Vy	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
		Vz	19.963	20.942	21.922	22.902	23.882	24.861	25.841	26.821	27.801
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	35.82	31.99	27.97	23.77	19.38	14.81	10.06	5.12	0.00
		Mz	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.00	0.00
	GUARDA-RODAS	N	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	15.091	15.091	15.091	15.091	15.091	15.091	15.091	15.091	15.091
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	22.64	19.81	16.98	14.15	11.32	8.49	5.66	2.83	0.00
		Mz	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-31.795	-31.795	-31.795	-31.795	-31.795	-31.795	-31.795	-31.795	-31.795
		Vy	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059
		Vz	1.014	1.014	1.014	1.014	1.014	1.014	1.014	1.014	1.014
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.52	1.33	1.14	0.95	0.76	0.57	0.38	0.19	0.00
		Mz	0.09	0.08	0.07	0.06	0.04	0.03	0.02	0.01	0.00
	Vento 180	N	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631
		Vy	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047
		Vz	-0.790	-0.790	-0.790	-0.790	-0.790	-0.790	-0.790	-0.790	-0.790
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.19	-1.04	-0.89	-0.74	-0.59	-0.44	-0.30	-0.15	0.00
		Mz	-0.07	-0.06	-0.05	-0.04	-0.04	-0.03	-0.02	-0.01	0.00
	Multidão - Passeio	N	0.053	0.053	0.053	0.053	0.053	0.053	0.053	0.053	0.053
		Vy	-0.029	-0.029	-0.029	-0.029	-0.029	-0.029	-0.029	-0.029	-0.029

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Vz	-0.009	2.440	4.890	7.339	9.789	12.238	14.687	17.137	19.586
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.68	14.45	13.77	12.62	11.02	8.95	6.43	3.44	0.00
		Mz	-0.04	-0.04	-0.03	-0.03	-0.02	-0.02	-0.01	-0.01	0.00
	Multidão - TB450	N	1.794	1.794	1.794	1.794	1.794	1.794	1.794	1.794	1.794
		Vy	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102
		Vz	63.892	63.892	63.892	63.892	63.892	63.892	63.892	63.892	63.892
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	95.84	83.86	71.88	59.90	47.92	35.94	23.96	11.98	0.00
		Mz	0.15	0.13	0.11	0.10	0.08	0.06	0.04	0.02	0.00
	TB-450 - A1	N	-1.007	-1.007	-1.007	-1.007	-1.007	-1.007	-1.007	-1.007	-1.007
		Vy	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140
		Vz	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.06	-0.05	-0.05	-0.04	-0.03	-0.02	-0.02	-0.01	0.00
		Mz	-0.21	-0.18	-0.16	-0.13	-0.11	-0.08	-0.05	-0.03	0.00
	TB-450 - A2	N	-1.004	-1.004	-1.004	-1.004	-1.004	-1.004	-1.004	-1.004	-1.004
		Vy	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140
		Vz	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.06	-0.05	-0.05	-0.04	-0.03	-0.02	-0.02	-0.01	0.00
		Mz	-0.21	-0.18	-0.16	-0.13	-0.10	-0.08	-0.05	-0.03	0.00
	TB-450 - B1	N	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320	0.320
		Vy	0.112	0.112	0.112	0.112	0.112	0.112	0.112	0.112	0.112
		Vz	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.05	0.05	0.04	0.03	0.03	0.02	0.01	0.01	0.00
		Mz	0.17	0.15	0.13	0.10	0.08	0.06	0.04	0.02	0.00
	TB-450 - B2	N	-0.343	-0.343	-0.343	-0.343	-0.343	-0.343	-0.343	-0.343	-0.343
		Vy	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114
		Vz	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.01	0.00
		Mz	0.17	0.15	0.13	0.11	0.09	0.06	0.04	0.02	0.00
	TB-450 - C1	N	0.358	0.358	0.358	0.358	0.358	0.358	0.358	0.358	0.358
		Vy	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215
		Vz	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.11	0.09	0.08	0.07	0.05	0.04	0.03	0.01	0.00
		Mz	0.32	0.28	0.24	0.20	0.16	0.12	0.08	0.04	0.00
	TB-450 - C2	N	-0.401	-0.401	-0.401	-0.401	-0.401	-0.401	-0.401	-0.401	-0.401
		Vy	0.218	0.218	0.218	0.218	0.218	0.218	0.218	0.218	0.218
		Vz	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.14	0.12	0.10	0.08	0.07	0.05	0.03	0.02	0.00
		Mz	0.33	0.29	0.25	0.20	0.16	0.12	0.08	0.04	0.00
	TB-450 - D1	N	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170
		Vy	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105
		Vz	0.044	0.044	0.044	0.044	0.044	0.044	0.044	0.044	0.044
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.07	0.06	0.05	0.04	0.03	0.02	0.02	0.01	0.00
		Mz	0.16	0.14	0.12	0.10	0.08	0.06	0.04	0.02	0.00
	TB-450 - D2	N	-0.213	-0.213	-0.213	-0.213	-0.213	-0.213	-0.213	-0.213	-0.213
		Vy	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.109

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Vz	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.11	0.10	0.08	0.07	0.06	0.04	0.03	0.01	0.00
		Mz	0.16	0.14	0.12	0.10	0.08	0.06	0.04	0.02	0.00
	TB-450 - E1	N	-0.059	-0.059	-0.059	-0.059	-0.059	-0.059	-0.059	-0.059	-0.059
		Vy	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181
		Vz	120.973	120.973	120.973	120.973	120.973	120.973	120.973	120.973	120.973
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	181.46	158.78	136.10	113.41	90.73	68.05	45.37	22.68	0.00
		Mz	-0.27	-0.24	-0.20	-0.17	-0.14	-0.10	-0.07	-0.03	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N196/N50	Peso próprio	N	0.340	0.340	0.340	0.340	0.340	0.340	0.340	0.340	0.340
		Vy	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055
		Vz	-71.367	-71.017	-70.668	-70.319	-69.969	-69.620	-69.271	-68.921	-68.572
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	13.35	26.63	39.85	53.00	66.09	79.11	92.06	104.95
		Mz	0.00	-0.01	-0.02	-0.03	-0.04	-0.05	-0.06	-0.07	-0.08
	LAJE	N	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	-56.101	-54.264	-52.427	-50.590	-48.752	-46.915	-45.078	-43.241	-41.404
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	10.35	20.35	30.01	39.32	48.29	56.91	65.19	73.13
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01
	PAVIMENTAÇÃO	N	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	-30.613	-29.536	-28.458	-27.380	-26.302	-25.225	-24.147	-23.069	-21.991
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	5.64	11.08	16.31	21.34	26.17	30.80	35.23	39.45
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-13.915	-13.425	-12.935	-12.446	-11.956	-11.466	-10.976	-10.486	-9.996
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	2.56	5.03	7.41	9.70	11.90	14.00	16.01	17.93
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-7.550	-7.550	-7.550	-7.550	-7.550	-7.550	-7.550	-7.550	-7.550
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	1.42	2.83	4.25	5.66	7.08	8.49	9.91	11.33
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	9.498	9.498	9.498	9.498	9.498	9.498	9.498	9.498	9.498
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
	Vento 180	N	-6.060	-6.060	-6.060	-6.060	-6.060	-6.060	-6.060	-6.060	-6.060
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
	Multidão - Passeio	N	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-9.795	-8.570	-7.345	-6.121	-4.896	-3.671	-2.446	-1.222	0.003
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	1.72	3.21	4.48	5.51	6.31	6.89	7.23	7.34
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	-31.991	-31.991	-31.991	-31.991	-31.991	-31.991	-31.991	-31.991	-31.991
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	6.00	12.00	18.00	23.99	29.99	35.99	41.99	47.99
		Mz	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - A1	N	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Vy	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010
		Vz	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02
		Mz	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02
	TB-450 - A2	N	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Vy	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010
		Vz	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02
		Mz	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02
	TB-450 - B1	N	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02
		Mz	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - B2	N	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02
		Mz	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - C1	N	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031
		Vy	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vz	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04
		Mz	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02
	TB-450 - C2	N	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035
		Vy	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vz	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04
		Mz	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02
	TB-450 - D1	N	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02
		Mz	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - D2	N	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02
		Mz	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - E1	N	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vy	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		Vz	-25.583	-25.583	-25.583	-25.583	-25.583	-25.583	-25.583	-25.583	-25.583
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	4.80	9.59	14.39	19.19	23.98	28.78	33.58	38.38
		Mz	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N50/N51	Peso próprio	N	0.340	0.340	0.340
		Vy	0.055	0.055	0.055
		Vz	-68.572	-68.199	-67.827
		Mt	0.00	0.00	0.00
		My	104.95	118.63	132.23
		Mz	-0.08	-0.09	-0.10
	LAJE	N	0.001	0.001	0.001
		Vy	0.005	0.005	0.005
		Vz	-41.404	-39.444	-37.485
		Mt	0.00	0.00	0.00
		My	73.13	81.21	88.91
		Mz	-0.01	-0.01	-0.01
	PAVIMENTAÇÃO	N	0.001	0.001	0.001
		Vy	0.003	0.003	0.003
		Vz	-21.991	-21.991	-21.991
		Mt	0.00	0.00	0.00
		My	39.45	43.85	48.25
		Mz	0.00	-0.01	-0.01
	RECAPEAMENTO	N	0.000	0.000	0.000
		Vy	0.001	0.001	0.001
		Vz	-9.996	-9.996	-9.996
		Mt	0.00	0.00	0.00
		My	17.93	19.93	21.93
		Mz	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	-7.550	-3.775	0.000

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Mt	0.00	0.00	0.00
		My	11.33	12.46	12.84
		Mz	0.00	0.00	0.00
	Vento 0	N	9.498	9.498	9.498
		Vy	-0.005	-0.005	-0.005
		Vz	0.007	0.007	0.007
		Mt	0.00	0.00	0.00
		My	-0.01	-0.01	-0.01
		Mz	0.01	0.01	0.01
	Vento 180	N	-6.060	-6.060	-6.060
		Vy	0.004	0.004	0.004
		Vz	-0.005	-0.005	-0.005
		Mt	0.00	0.00	0.00
		My	0.01	0.01	0.01
		Mz	-0.01	-0.01	-0.01
	Multidão - Passeio	N	0.001	0.001	0.001
		Vy	-0.002	-0.002	-0.002
		Vz	0.003	0.003	0.003
		Mt	0.00	0.00	0.00
		My	7.34	7.34	7.34
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000
		Vy	0.007	0.007	0.007
		Vz	-31.991	-31.991	-31.991
		Mt	0.00	0.00	0.00
		My	47.99	54.39	60.78
		Mz	-0.01	-0.01	-0.01
	TB-450 - A1	N	-0.012	-0.012	-0.012
		Vy	-0.010	-0.010	-0.010
		Vz	0.015	0.015	0.015
		Mt	0.00	0.00	0.00
		My	-0.02	-0.03	-0.03
		Mz	0.02	0.02	0.02
	TB-450 - A2	N	0.011	0.011	0.011
		Vy	-0.010	-0.010	-0.010
		Vz	0.015	0.015	0.015
		Mt	0.00	0.00	0.00
		My	-0.02	-0.03	-0.03
		Mz	0.02	0.02	0.02
	TB-450 - B1	N	-0.034	-0.034	-0.034
		Vy	0.008	0.008	0.008
		Vz	-0.012	-0.012	-0.012
		Mt	0.00	0.00	0.00
		My	0.02	0.02	0.02
		Mz	-0.01	-0.01	-0.02
	TB-450 - B2	N	0.036	0.036	0.036
		Vy	0.008	0.008	0.008
		Vz	-0.012	-0.012	-0.012
		Mt	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		My	0.02	0.02	0.02
		Mz	-0.01	-0.01	-0.02
	TB-450 - C1	N	-0.031	-0.031	-0.031
		Vy	0.016	0.016	0.016
		Vz	-0.023	-0.023	-0.023
		Mt	0.00	0.00	0.00
		My	0.04	0.04	0.04
		Mz	-0.02	-0.03	-0.03
	TB-450 - C2	N	0.035	0.035	0.035
		Vy	0.016	0.016	0.016
		Vz	-0.023	-0.023	-0.023
		Mt	0.00	0.00	0.00
		My	0.04	0.04	0.04
		Mz	-0.02	-0.03	-0.03
	TB-450 - D1	N	-0.019	-0.019	-0.019
		Vy	0.008	0.008	0.008
		Vz	-0.012	-0.012	-0.012
		Mt	0.00	0.00	0.00
		My	0.02	0.02	0.02
		Mz	-0.01	-0.01	-0.01
	TB-450 - D2	N	0.018	0.018	0.018
		Vy	0.008	0.008	0.008
		Vz	-0.012	-0.012	-0.012
		Mt	0.00	0.00	0.00
		My	0.02	0.02	0.02
		Mz	-0.01	-0.01	-0.01
	TB-450 - E1	N	-0.001	-0.001	-0.001
		Vy	-0.013	-0.013	-0.013
		Vz	-25.583	-25.583	-25.583
		Mt	0.00	0.00	0.00
		My	38.38	43.49	48.61
		Mz	0.02	0.02	0.02
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N51/N52	Peso próprio	N	0.340	0.340	0.340	0.340	0.340	0.340	0.340	0.340	0.340
		Vy	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055
		Vz	-67.827	-54.711	-41.595	-35.037	-21.922	-8.806	4.310	10.868	23.983
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	132.23	158.49	179.13	187.34	199.55	206.13	207.09	205.47	198.00
		Mz	-0.10	-0.13	-0.15	-0.16	-0.19	-0.21	-0.23	-0.25	-0.27
	LAJE	N	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Vz	-37.485	-33.286	-29.087	-26.987	-22.788	-18.589	-14.390	-12.290	-8.091
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	88.91	104.07	117.44	123.45	134.11	142.98	150.04	152.90	157.27
		Mz	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.03
	PAVIMENTAÇÃO	N	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	-21.991	-19.528	-17.064	-15.833	-13.369	-10.906	-8.442	-7.210	-4.747
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	48.25	57.15	64.99	68.51	74.77	79.97	84.12	85.80	88.36
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-9.996	-8.876	-7.757	-7.197	-6.077	-4.957	-3.837	-3.277	-2.158
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	21.93	25.98	29.54	31.14	33.99	36.35	38.24	39.00	40.16
		Mz	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	12.84	12.84	12.84	12.84	12.83	12.83	12.83	12.83	12.83
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	9.498	9.498	9.498	9.498	9.498	9.498	9.498	9.498	9.498
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.01	-0.02	-0.02	-0.02	-0.02	-0.03	-0.03	-0.03	-0.03
		Mz	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02
	Vento 180	N	-6.060	-6.060	-6.060	-6.060	-6.060	-6.060	-6.060	-6.060	-6.060
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02
	Multidão - Passeio	N	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.34	7.34	7.34	7.34	7.34	7.34	7.34	7.33	7.33
		Mz	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	-31.991	-28.408	-24.825	-23.033	-19.450	-15.867	-12.284	-10.492	-6.909
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	60.78	73.73	85.13	90.26	99.36	106.93	112.96	115.40	119.13
		Mz	-0.01	-0.02	-0.02	-0.02	-0.02	-0.03	-0.03	-0.03	-0.04
	TB-450 - A1	N	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Vy	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010
		Vz	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.03	-0.04	-0.04	-0.05	-0.05	-0.06	-0.06	-0.07	-0.07
		Mz	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.05	0.05
	TB-450 - A2	N	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Vy	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010

Adib José Francisco Junior
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HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Vz	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.03	-0.04	-0.04	-0.04	-0.05	-0.06	-0.06	-0.07	-0.07
		Mz	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.05	0.05
	TB-450 - B1	N	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.06
		Mz	-0.02	-0.02	-0.02	-0.02	-0.03	-0.03	-0.03	-0.04	-0.04
	TB-450 - B2	N	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.06
		Mz	-0.02	-0.02	-0.02	-0.02	-0.03	-0.03	-0.03	-0.04	-0.04
	TB-450 - C1	N	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031
		Vy	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vz	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.10	0.11
		Mz	-0.03	-0.04	-0.04	-0.05	-0.05	-0.06	-0.07	-0.07	-0.08
	TB-450 - C2	N	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035
		Vy	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vz	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.10	0.11
		Mz	-0.03	-0.04	-0.04	-0.05	-0.05	-0.06	-0.07	-0.07	-0.08
	TB-450 - D1	N	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.03	0.03	0.03	0.04	0.04	0.05	0.05	0.06
		Mz	-0.01	-0.02	-0.02	-0.02	-0.03	-0.03	-0.03	-0.03	-0.04
	TB-450 - D2	N	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.03	0.03	0.03	0.04	0.04	0.05	0.05	0.06
		Mz	-0.01	-0.02	-0.02	-0.02	-0.03	-0.03	-0.03	-0.03	-0.04
	TB-450 - E1	N	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vy	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		Vz	-25.583	-25.583	-25.583	-25.583	-25.583	-25.583	-25.583	-25.583	-25.583
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	48.61	59.57	70.54	76.02	86.98	97.95	108.91	114.39	125.36
		Mz	0.02	0.03	0.04	0.04	0.04	0.05	0.06	0.06	0.06
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N52/N33	Peso próprio	N	0.340	0.340	0.340	0.340	0.340
		Vy	0.055	0.055	0.055	0.055	0.055
		Vz	23.983	24.368	24.752	25.136	25.520
		Mt	0.00	0.00	0.00	0.00	0.00
		My	198.00	193.01	187.95	182.80	177.58
		Mz	-0.27	-0.28	-0.29	-0.30	-0.31
	LAJE	N	0.001	0.001	0.001	0.001	0.001
		Vy	0.005	0.005	0.005	0.005	0.005
		Vz	-8.091	-6.070	-4.050	-2.029	-0.008
		Mt	0.00	0.00	0.00	0.00	0.00
		My	157.27	158.73	159.77	160.40	160.61
		Mz	-0.03	-0.03	-0.03	-0.03	-0.03
	PAVIMENTAÇÃO	N	0.001	0.001	0.001	0.001	0.001
		Vy	0.003	0.003	0.003	0.003	0.003
		Vz	-4.747	-3.561	-2.376	-1.190	-0.005
		Mt	0.00	0.00	0.00	0.00	0.00
		My	88.36	89.21	89.83	90.19	90.32
		Mz	-0.02	-0.02	-0.02	-0.02	-0.02
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.001	0.001	0.001	0.001	0.001
		Vz	-2.158	-1.619	-1.080	-0.541	-0.002
		Mt	0.00	0.00	0.00	0.00	0.00
		My	40.16	40.55	40.83	41.00	41.05
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	12.83	12.83	12.83	12.83	12.83
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	9.498	9.498	9.498	9.498	9.498
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	0.007	0.007	0.007	0.007	0.007
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.03	-0.04	-0.04	-0.04	-0.04
		Mz	0.02	0.02	0.02	0.03	0.03
	Vento 180	N	-6.060	-6.060	-6.060	-6.060	-6.060
		Vy	0.004	0.004	0.004	0.004	0.004
		Vz	-0.005	-0.005	-0.005	-0.005	-0.005
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.03	0.03	0.03	0.03	0.03
		Mz	-0.02	-0.02	-0.02	-0.02	-0.02
	Multidão - Passeio	N	0.001	0.001	0.001	0.001	0.001
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	0.003	0.003	0.003	0.003	0.003
		Mt	0.00	0.00	0.00	0.00	0.00
		My	7.33	7.33	7.33	7.33	7.33
		Mz	0.01	0.01	0.01	0.01	0.01
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Vy	0.007	0.007	0.007	0.007	0.007
		Vz	-6.909	-5.184	-3.460	-1.735	-0.011
		Mt	0.00	0.00	0.00	0.00	0.00
		My	119.13	120.38	121.27	121.81	121.99
		Mz	-0.04	-0.04	-0.04	-0.04	-0.04
	TB-450 - A1	N	-0.012	-0.012	-0.012	-0.012	-0.012
		Vy	-0.010	-0.010	-0.010	-0.010	-0.010
		Vz	0.015	0.015	0.015	0.015	0.015
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.07	-0.08	-0.08	-0.08	-0.09
		Mz	0.05	0.05	0.05	0.06	0.06
	TB-450 - A2	N	0.011	0.011	0.011	0.011	0.011
		Vy	-0.010	-0.010	-0.010	-0.010	-0.010
		Vz	0.015	0.015	0.015	0.015	0.015
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.07	-0.08	-0.08	-0.08	-0.09
		Mz	0.05	0.05	0.05	0.06	0.06
	TB-450 - B1	N	-0.034	-0.034	-0.034	-0.034	-0.034
		Vy	0.008	0.008	0.008	0.008	0.008
		Vz	-0.012	-0.012	-0.012	-0.012	-0.012
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.06	0.06	0.07	0.07	0.07
		Mz	-0.04	-0.04	-0.04	-0.05	-0.05
	TB-450 - B2	N	0.036	0.036	0.036	0.036	0.036
		Vy	0.008	0.008	0.008	0.008	0.008
		Vz	-0.012	-0.012	-0.012	-0.012	-0.012
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.06	0.06	0.06	0.07	0.07
		Mz	-0.04	-0.04	-0.04	-0.04	-0.05
	TB-450 - C1	N	-0.031	-0.031	-0.031	-0.031	-0.031
		Vy	0.016	0.016	0.016	0.016	0.016
		Vz	-0.023	-0.023	-0.023	-0.023	-0.023
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.11	0.12	0.12	0.13	0.13
		Mz	-0.08	-0.08	-0.08	-0.09	-0.09
	TB-450 - C2	N	0.035	0.035	0.035	0.035	0.035
		Vy	0.016	0.016	0.016	0.016	0.016
		Vz	-0.023	-0.023	-0.023	-0.023	-0.023
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.11	0.12	0.12	0.13	0.13
		Mz	-0.08	-0.08	-0.08	-0.09	-0.09
	TB-450 - D1	N	-0.019	-0.019	-0.019	-0.019	-0.019
		Vy	0.008	0.008	0.008	0.008	0.008
		Vz	-0.012	-0.012	-0.012	-0.012	-0.012
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.06	0.06	0.06	0.06	0.07
		Mz	-0.04	-0.04	-0.04	-0.04	-0.04
	TB-450 - D2	N	0.018	0.018	0.018	0.018	0.018
		Vy	0.008	0.008	0.008	0.008	0.008

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Vz	-0.012	-0.012	-0.012	-0.012	-0.012
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.06	0.06	0.06	0.06	0.07
		Mz	-0.04	-0.04	-0.04	-0.04	-0.04
	TB-450 - E1	N	-0.001	-0.001	-0.001	-0.001	-0.001
		Vy	-0.013	-0.013	-0.013	-0.013	-0.013
		Vz	-25.583	-25.583	-25.583	-25.583	-25.583
		Mt	0.00	0.00	0.00	0.00	0.00
		My	125.36	130.64	135.91	141.19	146.46
		Mz	0.06	0.07	0.07	0.07	0.07
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N33/N55	Peso próprio	N	0.342	0.342	0.342	0.342	0.342
		Vy	-0.055	-0.055	-0.055	-0.055	-0.055
		Vz	25.685	26.069	26.454	26.838	27.222
		Mt	0.00	0.00	0.00	0.00	0.00
		My	177.58	172.24	166.82	161.33	155.75
		Mz	-0.31	-0.30	-0.29	-0.28	-0.27
	LAJE	N	0.001	0.001	0.001	0.001	0.001
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	0.008	2.029	4.050	6.070	8.091
		Mt	0.00	0.00	0.00	0.00	0.00
		My	160.61	160.40	159.77	158.73	157.27
		Mz	-0.03	-0.03	-0.03	-0.03	-0.03
	PAVIMENTAÇÃO	N	0.001	0.001	0.001	0.001	0.001
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	0.005	1.190	2.376	3.561	4.747
		Mt	0.00	0.00	0.00	0.00	0.00
		My	90.32	90.19	89.83	89.21	88.36
		Mz	-0.02	-0.02	-0.02	-0.02	-0.02
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.002	0.541	1.080	1.619	2.158
		Mt	0.00	0.00	0.00	0.00	0.00
		My	41.05	41.00	40.83	40.55	40.16
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	12.83	12.83	12.83	12.83	12.83

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	9.236	9.236	9.236	9.236	9.236
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	0.007	0.007	0.007	0.007	0.007
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.04	0.04	0.04	0.03	0.03
		Mz	-0.03	-0.03	-0.02	-0.02	-0.02
	Vento 180	N	-5.853	-5.853	-5.853	-5.853	-5.853
		Vy	0.004	0.004	0.004	0.004	0.004
		Vz	-0.005	-0.005	-0.005	-0.005	-0.005
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.03	-0.03	-0.03	-0.03	-0.03
		Mz	0.02	0.02	0.02	0.02	0.02
	Multidão - Passeio	N	0.001	0.001	0.001	0.001	0.001
		Vy	0.002	0.002	0.002	0.002	0.002
		Vz	-0.003	-0.003	-0.003	-0.003	-0.003
		Mt	0.00	0.00	0.00	0.00	0.00
		My	7.33	7.33	7.33	7.33	7.33
		Mz	0.01	0.01	0.01	0.01	0.01
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	0.011	1.735	3.460	5.184	6.909
		Mt	0.00	0.00	0.00	0.00	0.00
		My	121.99	121.81	121.27	120.38	119.13
		Mz	-0.04	-0.04	-0.04	-0.04	-0.04
	TB-450 - A1	N	-0.012	-0.012	-0.012	-0.012	-0.012
		Vy	0.010	0.010	0.010	0.010	0.010
		Vz	-0.015	-0.015	-0.015	-0.015	-0.015
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.09	-0.08	-0.08	-0.08	-0.07
		Mz	0.06	0.06	0.05	0.05	0.05
	TB-450 - A2	N	0.011	0.011	0.011	0.011	0.011
		Vy	0.010	0.010	0.010	0.010	0.010
		Vz	-0.015	-0.015	-0.015	-0.015	-0.015
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.09	-0.08	-0.08	-0.08	-0.07
		Mz	0.06	0.06	0.05	0.05	0.05
	TB-450 - B1	N	-0.031	-0.031	-0.031	-0.031	-0.031
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	0.012	0.012	0.012	0.012	0.012
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.07	0.07	0.06	0.06	0.06
		Mz	-0.05	-0.04	-0.04	-0.04	-0.04
	TB-450 - B2	N	0.034	0.034	0.034	0.034	0.034
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	0.012	0.012	0.012	0.012	0.012
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.07	0.07	0.07	0.06	0.06
		Mz	-0.05	-0.05	-0.04	-0.04	-0.04

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
	TB-450 - C1	N	-0.027	-0.027	-0.027	-0.027	-0.027
		Vy	-0.015	-0.015	-0.015	-0.015	-0.015
		Vz	0.023	0.023	0.023	0.023	0.023
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.13	0.13	0.12	0.12	0.11
		Mz	-0.09	-0.09	-0.08	-0.08	-0.08
	TB-450 - C2	N	0.032	0.032	0.032	0.032	0.032
		Vy	-0.016	-0.016	-0.016	-0.016	-0.016
		Vz	0.024	0.024	0.024	0.024	0.024
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.14	0.13	0.13	0.12	0.12
		Mz	-0.09	-0.09	-0.08	-0.08	-0.08
	TB-450 - D1	N	-0.015	-0.015	-0.015	-0.015	-0.015
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	0.011	0.011	0.011	0.011	0.011
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.06	0.06	0.06	0.06	0.06
		Mz	-0.04	-0.04	-0.04	-0.04	-0.04
	TB-450 - D2	N	0.014	0.014	0.014	0.014	0.014
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	0.012	0.012	0.012	0.012	0.012
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.07	0.07	0.06	0.06	0.06
		Mz	-0.05	-0.04	-0.04	-0.04	-0.04
	TB-450 - E1	N	0.001	0.001	0.001	0.001	0.001
		Vy	0.013	0.013	0.013	0.013	0.013
		Vz	-25.622	-25.622	-25.622	-25.622	-25.622
		Mt	0.00	0.00	0.00	0.00	0.00
		My	146.46	151.75	157.03	162.32	167.60
		Mz	0.07	0.07	0.07	0.07	0.06
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N55/N54	Peso próprio	N	0.342	0.342	0.342	0.342	0.342	0.342	0.342	0.342	0.342
		Vy	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055
		Vz	27.222	28.021	28.819	29.218	30.017	30.815	31.613	32.013	32.811
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	155.75	143.92	131.74	125.52	112.82	99.79	86.41	79.59	65.70
		Mz	-0.27	-0.25	-0.22	-0.21	-0.19	-0.16	-0.14	-0.13	-0.10
	LAJE	N	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	8.091	12.290	16.489	18.589	22.788	26.987	31.186	33.286	37.485
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		My	157.27	152.90	146.74	142.98	134.11	123.45	110.98	104.07	88.91
		Mz	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01
	PAVIMENTAÇÃO	N	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	4.747	7.210	9.674	10.906	13.369	15.833	18.296	19.528	21.991
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	88.36	85.80	82.18	79.97	74.77	68.51	61.20	57.15	48.25
		Mz	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	2.158	3.277	4.397	4.957	6.077	7.197	8.316	8.876	9.996
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	40.16	39.00	37.35	36.35	33.99	31.14	27.82	25.98	21.93
		Mz	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	12.83	12.83	12.83	12.83	12.83	12.84	12.84	12.84	12.84
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	9.236	9.236	9.236	9.236	9.236	9.236	9.236	9.236	9.236
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.01
		Mz	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01
	Vento 180	N	-5.853	-5.853	-5.853	-5.853	-5.853	-5.853	-5.853	-5.853	-5.853
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01
		Mz	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	Multidão - Passeio	N	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.33	7.33	7.34	7.34	7.34	7.34	7.34	7.34	7.34
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	6.909	10.492	14.075	15.867	19.450	23.033	26.616	28.408	31.991
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	119.13	115.40	110.14	106.93	99.36	90.26	79.62	73.73	60.78
		Mz	-0.04	-0.03	-0.03	-0.03	-0.02	-0.02	-0.02	-0.02	-0.01
	TB-450 - A1	N	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Vy	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
		Vz	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.07	-0.07	-0.06	-0.06	-0.05	-0.05	-0.04	-0.04	-0.03
		Mz	0.05	0.05	0.04	0.04	0.03	0.03	0.03	0.02	0.02
	TB-450 - A2	N	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Vy	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
		Vz	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		My	-0.07	-0.07	-0.06	-0.06	-0.05	-0.04	-0.04	-0.04	-0.03
		Mz	0.05	0.05	0.04	0.04	0.03	0.03	0.03	0.02	0.02
	TB-450 - B1	N	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.06	0.05	0.05	0.05	0.04	0.04	0.03	0.03	0.02
		Mz	-0.04	-0.04	-0.03	-0.03	-0.03	-0.02	-0.02	-0.02	-0.02
	TB-450 - B2	N	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.06	0.06	0.05	0.05	0.04	0.04	0.03	0.03	0.02
		Mz	-0.04	-0.04	-0.03	-0.03	-0.03	-0.02	-0.02	-0.02	-0.02
	TB-450 - C1	N	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027
		Vy	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
		Vz	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.11	0.10	0.09	0.09	0.08	0.07	0.06	0.05	0.04
		Mz	-0.08	-0.07	-0.06	-0.06	-0.05	-0.05	-0.04	-0.04	-0.03
	TB-450 - C2	N	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032
		Vy	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016
		Vz	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.12	0.11	0.10	0.09	0.08	0.07	0.06	0.05	0.04
		Mz	-0.08	-0.07	-0.06	-0.06	-0.05	-0.05	-0.04	-0.04	-0.03
	TB-450 - D1	N	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.06	0.05	0.05	0.04	0.04	0.03	0.03	0.03	0.02
		Mz	-0.04	-0.03	-0.03	-0.03	-0.03	-0.02	-0.02	-0.02	-0.01
	TB-450 - D2	N	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.06	0.05	0.05	0.05	0.04	0.04	0.03	0.03	0.02
		Mz	-0.04	-0.04	-0.03	-0.03	-0.03	-0.02	-0.02	-0.02	-0.01
	TB-450 - E1	N	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vy	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Vz	-25.622	-13.305	-0.988	5.171	17.488	29.806	42.123	48.282	60.599
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	167.60	175.94	179.01	178.56	173.70	163.57	148.16	138.47	115.14
		Mz	0.06	0.06	0.05	0.05	0.04	0.04	0.03	0.03	0.02
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N54/N53	Peso próprio	N	0.342	0.342	0.342
		Vy	-0.055	-0.055	-0.055
		Vz	32.811	33.184	33.556
		Mt	0.00	0.00	0.00
		My	65.70	59.10	52.43
		Mz	-0.10	-0.09	-0.08
	LAJE	N	0.001	0.001	0.001
		Vy	-0.005	-0.005	-0.005
		Vz	37.485	39.444	41.404
		Mt	0.00	0.00	0.00
		My	88.91	81.21	73.13
		Mz	-0.01	-0.01	-0.01
	PAVIMENTAÇÃO	N	0.001	0.001	0.001
		Vy	-0.003	-0.003	-0.003
		Vz	21.991	21.991	21.991
		Mt	0.00	0.00	0.00
		My	48.25	43.85	39.45
		Mz	-0.01	-0.01	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000
		Vy	-0.001	-0.001	-0.001
		Vz	9.996	9.996	9.996
		Mt	0.00	0.00	0.00
		My	21.93	19.93	17.93
		Mz	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	3.775	7.550
		Mt	0.00	0.00	0.00
		My	12.84	12.46	11.33
		Mz	0.00	0.00	0.00
	Vento 0	N	9.236	9.236	9.236
		Vy	-0.005	-0.005	-0.005
		Vz	0.007	0.007	0.007
		Mt	0.00	0.00	0.00
		My	0.01	0.01	0.01
		Mz	-0.01	-0.01	-0.01
	Vento 180	N	-5.853	-5.853	-5.853
		Vy	0.004	0.004	0.004
		Vz	-0.005	-0.005	-0.005
		Mt	0.00	0.00	0.00
		My	-0.01	-0.01	-0.01
		Mz	0.01	0.01	0.01
	Multidão - Passeio	N	0.001	0.001	0.001
		Vy	0.002	0.002	0.002
		Vz	-0.003	-0.003	-0.003
		Mt	0.00	0.00	0.00
		My	7.34	7.34	7.34
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Vy	-0.007	-0.007	-0.007
		Vz	31.991	31.991	31.991
		Mt	0.00	0.00	0.00
		My	60.78	54.39	47.99
		Mz	-0.01	-0.01	-0.01
	TB-450 - A1	N	-0.012	-0.012	-0.012
		Vy	0.010	0.010	0.010
		Vz	-0.015	-0.015	-0.015
		Mt	0.00	0.00	0.00
		My	-0.03	-0.03	-0.02
		Mz	0.02	0.02	0.02
	TB-450 - A2	N	0.011	0.011	0.011
		Vy	0.010	0.010	0.010
		Vz	-0.015	-0.015	-0.015
		Mt	0.00	0.00	0.00
		My	-0.03	-0.03	-0.02
		Mz	0.02	0.02	0.02
	TB-450 - B1	N	-0.031	-0.031	-0.031
		Vy	-0.008	-0.008	-0.008
		Vz	0.012	0.012	0.012
		Mt	0.00	0.00	0.00
		My	0.02	0.02	0.02
		Mz	-0.02	-0.01	-0.01
	TB-450 - B2	N	0.034	0.034	0.034
		Vy	-0.008	-0.008	-0.008
		Vz	0.012	0.012	0.012
		Mt	0.00	0.00	0.00
		My	0.02	0.02	0.02
		Mz	-0.02	-0.01	-0.01
	TB-450 - C1	N	-0.027	-0.027	-0.027
		Vy	-0.015	-0.015	-0.015
		Vz	0.023	0.023	0.023
		Mt	0.00	0.00	0.00
		My	0.04	0.04	0.03
		Mz	-0.03	-0.03	-0.02
	TB-450 - C2	N	0.032	0.032	0.032
		Vy	-0.016	-0.016	-0.016
		Vz	0.024	0.024	0.024
		Mt	0.00	0.00	0.00
		My	0.04	0.04	0.04
		Mz	-0.03	-0.03	-0.02
	TB-450 - D1	N	-0.015	-0.015	-0.015
		Vy	-0.008	-0.008	-0.008
		Vz	0.011	0.011	0.011
		Mt	0.00	0.00	0.00
		My	0.02	0.02	0.02
		Mz	-0.01	-0.01	-0.01
	TB-450 - D2	N	0.014	0.014	0.014
		Vy	-0.008	-0.008	-0.008

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Vz	0.012	0.012	0.012
		Mt	0.00	0.00	0.00
		My	0.02	0.02	0.02
		Mz	-0.01	-0.01	-0.01
	TB-450 - E1	N	0.001	0.001	0.001
		Vy	0.013	0.013	0.013
		Vz	60.599	60.599	60.599
		Mt	0.00	0.00	0.00
		My	115.14	103.02	90.90
		Mz	0.02	0.02	0.02
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N53/N3	Peso próprio	N	0.342	0.342	0.342	0.342	0.342	0.342	0.342	0.342	0.342
		Vy	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055
		Vz	33.556	33.906	34.255	34.604	34.954	35.303	35.652	36.001	36.351
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	52.43	46.11	39.72	33.26	26.74	20.15	13.50	6.78	0.00
		Mz	-0.08	-0.07	-0.06	-0.05	-0.04	-0.03	-0.02	-0.01	0.00
	LAJE	N	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	41.404	43.241	45.078	46.915	48.752	50.590	52.427	54.264	56.101
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	73.13	65.19	56.91	48.29	39.32	30.01	20.35	10.35	0.00
		Mz	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	21.991	23.069	24.147	25.225	26.302	27.380	28.458	29.536	30.613
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	39.45	35.23	30.80	26.17	21.34	16.31	11.08	5.64	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	9.996	10.486	10.976	11.466	11.956	12.446	12.935	13.425	13.915
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	17.93	16.01	14.00	11.90	9.70	7.41	5.03	2.56	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	7.550	7.550	7.550	7.550	7.550	7.550	7.550	7.550	7.550
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.33	9.91	8.49	7.08	5.66	4.25	2.83	1.42	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	9.236	9.236	9.236	9.236	9.236	9.236	9.236	9.236	9.236
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Vz	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
		Mz	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-5.853	-5.853	-5.853	-5.853	-5.853	-5.853	-5.853	-5.853	-5.853
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
		Mz	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-0.003	1.222	2.446	3.671	4.896	6.121	7.345	8.570	9.795
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.34	7.23	6.89	6.31	5.51	4.48	3.21	1.72	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	31.991	31.991	31.991	31.991	31.991	31.991	31.991	31.991	31.991
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	47.99	41.99	35.99	29.99	23.99	18.00	12.00	6.00	0.00
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Vy	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
		Vz	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00
		Mz	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
	TB-450 - A2	N	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Vy	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
		Vz	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00
		Mz	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
	TB-450 - B1	N	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.00
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.00
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027
		Vy	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
		Vz	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.03	0.03	0.03	0.02	0.02	0.01	0.01	0.00	0.00
		Mz	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00
	TB-450 - C2	N	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032
		Vy	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Vz	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.04	0.03	0.03	0.02	0.02	0.01	0.01	0.00	0.00
		Mz	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00
	TB-450 - D1	N	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.00
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vy	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Vz	60.599	60.599	60.599	60.599	60.599	60.599	60.599	60.599	60.599
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	90.90	79.54	68.17	56.81	45.45	34.09	22.72	11.36	0.00
		Mz	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N4/N43	Peso próprio	N	-0.930	-0.930	-0.930	-0.930	-0.930	-0.930	-0.930	-0.930	-0.930
		Vy	0.112	0.112	0.112	0.112	0.112	0.112	0.112	0.112	0.112
		Vz	-3.320	-2.923	-2.526	-2.130	-1.733	-1.336	-0.939	-0.543	-0.146
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-5.75	-3.51	-1.56	0.10	1.48	2.58	3.40	3.93	4.17
		Mz	0.34	0.26	0.18	0.10	0.02	-0.06	-0.15	-0.23	-0.31
	LAJE	N	0.095	0.095	0.095	0.095	0.095	0.095	0.095	0.095	0.095
		Vy	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102
		Vz	-0.037	-0.037	-0.037	-0.037	-0.037	-0.037	-0.037	-0.037	-0.037
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.18	-0.15	-0.13	-0.10	-0.07	-0.05	-0.02	0.00	0.03
		Mz	0.29	0.21	0.14	0.07	0.00	-0.08	-0.15	-0.22	-0.30
	PAVIMENTAÇÃO	N	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051
		Vy	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056
		Vz	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.10	-0.08	-0.07	-0.06	-0.04	-0.03	-0.01	0.00	0.02
		Mz	0.16	0.12	0.08	0.04	0.00	-0.04	-0.08	-0.12	-0.16
	RECAPEAMENTO	N	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
		Vy	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
		Vz	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		My	-0.04	-0.04	-0.03	-0.03	-0.02	-0.01	-0.01	0.00	0.01
		Mz	0.07	0.05	0.04	0.02	0.00	-0.02	-0.04	-0.06	-0.07
	GUARDA-RODAS	N	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vy	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vz	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	0.00	0.00
		Mz	0.04	0.03	0.02	0.01	0.00	-0.01	-0.02	-0.03	-0.04
	Vento 0	N	3.460	3.460	3.460	3.460	3.460	3.460	3.460	3.460	3.460
		Vy	0.403	0.403	0.403	0.403	0.403	0.403	0.403	0.403	0.403
		Vz	18.484	18.484	18.484	18.484	18.484	18.484	18.484	18.484	18.484
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	106.19	92.96	79.74	66.51	53.28	40.05	26.83	13.60	0.37
		Mz	1.28	0.99	0.70	0.42	0.13	-0.16	-0.45	-0.74	-1.03
	Vento 180	N	-13.063	-13.063	-13.063	-13.063	-13.063	-13.063	-13.063	-13.063	-13.063
		Vy	-0.316	-0.316	-0.316	-0.316	-0.316	-0.316	-0.316	-0.316	-0.316
		Vz	-15.241	-15.241	-15.241	-15.241	-15.241	-15.241	-15.241	-15.241	-15.241
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-86.88	-75.98	-65.07	-54.16	-43.26	-32.35	-21.44	-10.54	0.37
		Mz	-0.99	-0.76	-0.54	-0.31	-0.08	0.14	0.37	0.60	0.82
	Multidão - Passeio	N	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
		Vy	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018
		Vz	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.03	-0.03	-0.02	-0.02	-0.01	-0.01	0.00	0.00	0.01
		Mz	0.05	0.04	0.02	0.01	0.00	-0.01	-0.03	-0.04	-0.05
	Multidão - TB450	N	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049
		Vy	0.058	0.058	0.058	0.058	0.058	0.058	0.058	0.058	0.058
		Vz	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.10	-0.09	-0.07	-0.06	-0.04	-0.03	-0.01	0.00	0.02
		Mz	0.16	0.12	0.08	0.04	0.00	-0.04	-0.09	-0.13	-0.17
	TB-450 - A1	N	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071
		Vy	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Vz	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.16	0.14	0.12	0.10	0.08	0.06	0.04	0.02	0.00
		Mz	0.03	0.02	0.01	0.01	0.00	-0.01	-0.02	-0.03	-0.04
	TB-450 - A2	N	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057
		Vy	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Vz	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.19	-0.16	-0.14	-0.12	-0.09	-0.07	-0.04	-0.02	0.00
		Mz	0.03	0.02	0.02	0.01	0.00	-0.01	-0.01	-0.02	-0.03
	TB-450 - B1	N	0.169	0.169	0.169	0.169	0.169	0.169	0.169	0.169	0.169
		Vy	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026
		Vz	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.46	0.41	0.35	0.29	0.24	0.18	0.12	0.06	0.01
		Mz	0.07	0.05	0.03	0.02	0.00	-0.02	-0.04	-0.06	-0.08
	TB-450 - B2	N	-0.121	-0.121	-0.121	-0.121	-0.121	-0.121	-0.121	-0.121	-0.121
		Vy	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
		Vz	-0.093	-0.093	-0.093	-0.093	-0.093	-0.093	-0.093	-0.093	-0.093
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		My	-0.53	-0.46	-0.39	-0.33	-0.26	-0.19	-0.13	-0.06	0.01
		Mz	0.06	0.05	0.03	0.02	0.00	-0.02	-0.03	-0.05	-0.06
	TB-450 - C1	N	0.172	0.172	0.172	0.172	0.172	0.172	0.172	0.172	0.172
		Vy	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
		Vz	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.51	0.45	0.38	0.32	0.26	0.20	0.13	0.07	0.01
		Mz	0.07	0.05	0.03	0.02	0.00	-0.02	-0.04	-0.06	-0.07
	TB-450 - C2	N	-0.134	-0.134	-0.134	-0.134	-0.134	-0.134	-0.134	-0.134	-0.134
		Vy	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021
		Vz	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.59	-0.52	-0.44	-0.37	-0.29	-0.22	-0.14	-0.07	0.01
		Mz	0.06	0.05	0.03	0.02	0.00	-0.01	-0.03	-0.04	-0.06
	TB-450 - D1	N	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091
		Vy	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vz	0.044	0.044	0.044	0.044	0.044	0.044	0.044	0.044	0.044
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.25	0.22	0.19	0.16	0.13	0.10	0.07	0.04	0.00
		Mz	0.04	0.03	0.02	0.01	0.00	-0.01	-0.02	-0.04	-0.05
	TB-450 - D2	N	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075
		Vy	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vz	-0.062	-0.062	-0.062	-0.062	-0.062	-0.062	-0.062	-0.062	-0.062
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.35	-0.30	-0.26	-0.22	-0.17	-0.13	-0.08	-0.04	0.00
		Mz	0.04	0.03	0.02	0.01	0.00	-0.01	-0.02	-0.03	-0.04
	TB-450 - E1	N	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00
		Mz	0.01	0.01	0.01	0.00	0.00	0.00	-0.01	-0.01	-0.02
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N43/N8	Peso próprio	N	-0.891	-0.891	-0.891	-0.891	-0.891	-0.891	-0.891	-0.891	-0.891
		Vy	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113
		Vz	0.129	0.526	0.923	1.320	1.716	2.113	2.510	2.907	3.304
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	4.17	3.94	3.42	2.62	1.53	0.16	-1.49	-3.43	-5.65
		Mz	-0.31	-0.23	-0.15	-0.07	0.01	0.10	0.18	0.26	0.34
	LAJE	N	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155
		Vy	-0.103	-0.103	-0.103	-0.103	-0.103	-0.103	-0.103	-0.103	-0.103
		Vz	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.03	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.08
		Mz	-0.30	-0.23	-0.15	-0.08	0.00	0.07	0.14	0.22	0.29

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
	PAVIMENTAÇÃO	N	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084
		Vy	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056
		Vz	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04
		Mz	-0.16	-0.12	-0.08	-0.04	0.00	0.04	0.08	0.12	0.16
	RECAPEAMENTO	N	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038
		Vy	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026
		Vz	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02
		Mz	-0.07	-0.06	-0.04	-0.02	0.00	0.02	0.04	0.05	0.07
	GUARDA-RODAS	N	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
		Vy	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014
		Vz	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		Mz	-0.04	-0.03	-0.02	-0.01	0.00	0.01	0.02	0.03	0.04
	Vento 0	N	-17.022	-17.022	-17.022	-17.022	-17.022	-17.022	-17.022	-17.022	-17.022
		Vy	0.390	0.390	0.390	0.390	0.390	0.390	0.390	0.390	0.390
		Vz	18.486	18.486	18.486	18.486	18.486	18.486	18.486	18.486	18.486
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.37	-12.86	-26.09	-39.32	-52.55	-65.78	-79.00	-92.23	-105.46
		Mz	1.02	0.74	0.46	0.18	-0.10	-0.38	-0.65	-0.93	-1.21
	Vento 180	N	3.465	3.465	3.465	3.465	3.465	3.465	3.465	3.465	3.465
		Vy	-0.330	-0.330	-0.330	-0.330	-0.330	-0.330	-0.330	-0.330	-0.330
		Vz	-15.239	-15.239	-15.239	-15.239	-15.239	-15.239	-15.239	-15.239	-15.239
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.37	11.28	22.18	33.09	43.99	54.90	65.80	76.71	87.61
		Mz	-0.83	-0.59	-0.36	-0.12	0.11	0.35	0.59	0.82	1.06
	Multidão - Passeio	N	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
		Vy	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018
		Vz	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		Mz	-0.05	-0.04	-0.03	-0.01	0.00	0.01	0.03	0.04	0.05
	Multidão - TB450	N	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083
		Vy	-0.059	-0.059	-0.059	-0.059	-0.059	-0.059	-0.059	-0.059	-0.059
		Vz	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04
		Mz	-0.17	-0.13	-0.09	-0.04	0.00	0.04	0.08	0.12	0.17
	TB-450 - A1	N	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.02	-0.04	-0.06	-0.09	-0.11	-0.13	-0.15	-0.17
		Mz	-0.03	-0.02	-0.01	-0.01	0.00	0.01	0.02	0.02	0.03
	TB-450 - A2	N	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074
		Vy	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Vz	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.02	0.05	0.07	0.09	0.11	0.13	0.15	0.17
		Mz	-0.04	-0.03	-0.02	-0.01	0.00	0.01	0.01	0.02	0.03

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
	TB-450 - B1	N	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113
		Vy	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022
		Vz	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.087
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	-0.05	-0.12	-0.18	-0.24	-0.30	-0.37	-0.43	-0.49
		Mz	-0.06	-0.05	-0.03	-0.02	0.00	0.02	0.03	0.05	0.07
	TB-450 - B2	N	0.178	0.178	0.178	0.178	0.178	0.178	0.178	0.178	0.178
		Vy	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026
		Vz	-0.086	-0.086	-0.086	-0.086	-0.086	-0.086	-0.086	-0.086	-0.086
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	0.07	0.13	0.19	0.25	0.32	0.38	0.44	0.50
		Mz	-0.08	-0.06	-0.04	-0.02	0.00	0.02	0.03	0.05	0.07
	TB-450 - C1	N	-0.121	-0.121	-0.121	-0.121	-0.121	-0.121	-0.121	-0.121	-0.121
		Vy	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021
		Vz	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	-0.06	-0.13	-0.20	-0.26	-0.33	-0.40	-0.46	-0.53
		Mz	-0.06	-0.04	-0.03	-0.01	0.00	0.02	0.03	0.05	0.06
	TB-450 - C2	N	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186
		Vy	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
		Vz	-0.098	-0.098	-0.098	-0.098	-0.098	-0.098	-0.098	-0.098	-0.098
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	0.08	0.15	0.22	0.29	0.36	0.43	0.50	0.57
		Mz	-0.07	-0.06	-0.04	-0.02	0.00	0.02	0.03	0.05	0.07
	TB-450 - D1	N	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057
		Vy	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014
		Vz	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.03	-0.06	-0.10	-0.13	-0.17	-0.20	-0.24	-0.27
		Mz	-0.04	-0.03	-0.02	-0.01	0.00	0.01	0.02	0.03	0.04
	TB-450 - D2	N	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.109
		Vy	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016
		Vz	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.05	0.09	0.13	0.17	0.21	0.25	0.29	0.33
		Mz	-0.05	-0.04	-0.02	-0.01	0.00	0.01	0.02	0.03	0.05
	TB-450 - E1	N	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.02	-0.02	-0.03
		Mz	-0.02	-0.01	-0.01	0.00	0.00	0.00	0.01	0.01	0.02
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N5/N44	Peso próprio	N	-3.301	-3.301	-3.301	-3.301	-3.301	-3.301	-3.301	-3.301	-3.301
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		Vz	-1.045	-0.861	-0.678	-0.494	-0.311	-0.127	0.056	0.240	0.423
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.68	1.23	1.65	1.94	2.10	2.12	2.02	1.78
		Mz	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02
	LAJE	N	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	0.224	0.224	0.224	0.224	0.224	0.224	0.224	0.224	0.224
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.16	-0.32	-0.48	-0.64	-0.80	-0.96	-1.12	-1.28
		Mz	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
	PAVIMENTAÇÃO	N	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.122	0.122	0.122	0.122	0.122	0.122	0.122	0.122	0.122
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.09	-0.18	-0.26	-0.35	-0.44	-0.53	-0.61	-0.70
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
	RECAPEAMENTO	N	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.04	-0.08	-0.12	-0.16	-0.20	-0.24	-0.28	-0.32
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.02	-0.04	-0.06	-0.09	-0.11	-0.13	-0.15	-0.17
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-4.625	-4.625	-4.625	-4.625	-4.625	-4.625	-4.625	-4.625	-4.625
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	3.889	3.889	3.889	3.889	3.889	3.889	3.889	3.889	3.889
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.03	-0.06	-0.08	-0.11	-0.14	-0.17	-0.20	-0.22
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.09	-0.18	-0.27	-0.37	-0.46	-0.55	-0.64	-0.73
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
	TB-450 - A1	N	-0.101	-0.101	-0.101	-0.101	-0.101	-0.101	-0.101	-0.101	-0.101
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		Vz	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.01	-0.03	-0.04	-0.05	-0.06	-0.08	-0.09	-0.10
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.01	-0.03	-0.04	-0.05	-0.06	-0.08	-0.09	-0.10
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.234	-0.234	-0.234	-0.234	-0.234	-0.234	-0.234	-0.234	-0.234
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.03	-0.07	-0.10	-0.13	-0.16	-0.20	-0.23	-0.26
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.03	-0.07	-0.10	-0.13	-0.16	-0.20	-0.23	-0.26
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.04	-0.08	-0.12	-0.15	-0.19	-0.23	-0.27	-0.31
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.04	-0.08	-0.12	-0.15	-0.19	-0.23	-0.27	-0.31
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.03	-0.06	-0.09	-0.12	-0.14	-0.17	-0.20	-0.23
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.03	-0.06	-0.09	-0.12	-0.14	-0.17	-0.20	-0.23
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.01	-0.02	-0.03	-0.04	-0.05	-0.06	-0.07	-0.08
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N44/N9	Peso próprio	N	-3.305	-3.305	-3.305	-3.305	-3.305	-3.305	-3.305	-3.305	-3.305
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	-0.423	-0.240	-0.056	0.127	0.311	0.494	0.678	0.861	1.045
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.78	2.02	2.12	2.10	1.94	1.65	1.23	0.68	0.00
		Mz	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00
	LAJE	N	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-0.224	-0.224	-0.224	-0.224	-0.224	-0.224	-0.224	-0.224	-0.224
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.28	-1.12	-0.96	-0.80	-0.64	-0.48	-0.32	-0.16	0.00
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-0.122	-0.122	-0.122	-0.122	-0.122	-0.122	-0.122	-0.122	-0.122
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.70	-0.61	-0.53	-0.44	-0.35	-0.26	-0.18	-0.09	0.00
		Mz	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.32	-0.28	-0.24	-0.20	-0.16	-0.12	-0.08	-0.04	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.17	-0.15	-0.13	-0.11	-0.09	-0.06	-0.04	-0.02	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	3.002	3.002	3.002	3.002	3.002	3.002	3.002	3.002	3.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-3.005	-3.005	-3.005	-3.005	-3.005	-3.005	-3.005	-3.005	-3.005
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.039	-0.039	-0.039	-0.039	-0.039	-0.039	-0.039	-0.039	-0.039
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		My	-0.22	-0.20	-0.17	-0.14	-0.11	-0.08	-0.06	-0.03	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-0.128	-0.128	-0.128	-0.128	-0.128	-0.128	-0.128	-0.128	-0.128
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.73	-0.64	-0.55	-0.46	-0.37	-0.27	-0.18	-0.09	0.00
		Mz	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.10	-0.09	-0.08	-0.06	-0.05	-0.04	-0.03	-0.01	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.103	-0.103	-0.103	-0.103	-0.103	-0.103	-0.103	-0.103	-0.103
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.10	-0.09	-0.08	-0.06	-0.05	-0.04	-0.03	-0.01	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.26	-0.23	-0.20	-0.16	-0.13	-0.10	-0.07	-0.03	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.240	-0.240	-0.240	-0.240	-0.240	-0.240	-0.240	-0.240	-0.240
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.26	-0.23	-0.20	-0.16	-0.13	-0.10	-0.07	-0.03	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.054	-0.054	-0.054	-0.054	-0.054	-0.054	-0.054	-0.054	-0.054
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.31	-0.27	-0.23	-0.19	-0.15	-0.12	-0.08	-0.04	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.086	-0.086	-0.086	-0.086	-0.086	-0.086	-0.086	-0.086	-0.086
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.054	-0.054	-0.054	-0.054	-0.054	-0.054	-0.054	-0.054	-0.054
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.31	-0.27	-0.23	-0.19	-0.15	-0.12	-0.08	-0.04	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-0.040	-0.040	-0.040	-0.040	-0.040	-0.040	-0.040	-0.040	-0.040
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.23	-0.20	-0.17	-0.14	-0.12	-0.09	-0.06	-0.03	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-0.040	-0.040	-0.040	-0.040	-0.040	-0.040	-0.040	-0.040	-0.040
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		My	-0.23	-0.20	-0.17	-0.14	-0.12	-0.09	-0.06	-0.03	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.08	-0.07	-0.06	-0.05	-0.04	-0.03	-0.02	-0.01	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N7/N45	Peso próprio	N	-2.795	-2.795	-2.795	-2.795	-2.795	-2.795	-2.795	-2.795	-2.795
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-0.776	-0.593	-0.409	-0.226	-0.042	0.141	0.325	0.508	0.692
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.49	0.85	1.08	1.17	1.14	0.97	0.67	0.24
		Mz	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02
	LAJE	N	0.515	0.515	0.515	0.515	0.515	0.515	0.515	0.515	0.515
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.21	-0.41	-0.62	-0.82	-1.03	-1.24	-1.44	-1.65
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.11	-0.22	-0.34	-0.45	-0.56	-0.67	-0.79	-0.90
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.05	-0.10	-0.15	-0.20	-0.26	-0.31	-0.36	-0.41
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.03	-0.06	-0.08	-0.11	-0.14	-0.17	-0.19	-0.22
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-8.804	-8.804	-8.804	-8.804	-8.804	-8.804	-8.804	-8.804	-8.804
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
	Vento 180	N	1.019	1.019	1.019	1.019	1.019	1.019	1.019	1.019	1.019
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.04	-0.07	-0.11	-0.14	-0.18	-0.22	-0.25	-0.29
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.12	-0.24	-0.35	-0.47	-0.59	-0.71	-0.82	-0.94
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.01	-0.03	-0.04	-0.06	-0.07	-0.08	-0.10	-0.11
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.01	-0.03	-0.04	-0.06	-0.07	-0.08	-0.10	-0.11
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.053	0.053	0.053	0.053	0.053	0.053	0.053	0.053	0.053
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.04	-0.08	-0.11	-0.15	-0.19	-0.23	-0.26	-0.30
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.053	0.053	0.053	0.053	0.053	0.053	0.053	0.053	0.053
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.04	-0.08	-0.11	-0.15	-0.19	-0.23	-0.26	-0.30
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.101	0.101	0.101	0.101	0.101	0.101	0.101	0.101	0.101
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.05	-0.10	-0.15	-0.20	-0.25	-0.30	-0.35	-0.40
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.160	-0.160	-0.160	-0.160	-0.160	-0.160	-0.160	-0.160	-0.160
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.05	-0.10	-0.15	-0.20	-0.25	-0.30	-0.35	-0.40
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adilo José Francisco Junior
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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
	TB-450 - D1	N	0.163	0.163	0.163	0.163	0.163	0.163	0.163	0.163	0.163
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.058	0.058	0.058	0.058	0.058	0.058	0.058	0.058	0.058
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.04	-0.08	-0.12	-0.16	-0.21	-0.25	-0.29	-0.33
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.166	-0.166	-0.166	-0.166	-0.166	-0.166	-0.166	-0.166	-0.166
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.058	0.058	0.058	0.058	0.058	0.058	0.058	0.058	0.058
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.04	-0.08	-0.12	-0.16	-0.21	-0.25	-0.29	-0.33
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.02	-0.03	-0.05	-0.06	-0.08	-0.09	-0.11	-0.13
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N45/N10	Peso próprio	N	-2.790	-2.790	-2.790	-2.790	-2.790	-2.790	-2.790	-2.790	-2.790
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	-0.692	-0.508	-0.325	-0.141	0.042	0.226	0.409	0.593	0.776
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.24	0.67	0.97	1.14	1.17	1.08	0.85	0.49	0.00
		Mz	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
	LAJE	N	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-0.288	-0.288	-0.288	-0.288	-0.288	-0.288	-0.288	-0.288	-0.288
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.65	-1.44	-1.24	-1.03	-0.82	-0.62	-0.41	-0.21	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.289	0.289	0.289	0.289	0.289	0.289	0.289	0.289	0.289
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.157	-0.157	-0.157	-0.157	-0.157	-0.157	-0.157	-0.157	-0.157
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.90	-0.79	-0.67	-0.56	-0.45	-0.34	-0.22	-0.11	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.131	0.131	0.131	0.131	0.131	0.131	0.131	0.131	0.131
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.071	-0.071	-0.071	-0.071	-0.071	-0.071	-0.071	-0.071	-0.071
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.41	-0.36	-0.31	-0.26	-0.20	-0.15	-0.10	-0.05	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		Vz	-0.039	-0.039	-0.039	-0.039	-0.039	-0.039	-0.039	-0.039	-0.039
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.22	-0.19	-0.17	-0.14	-0.11	-0.08	-0.06	-0.03	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	3.565	3.565	3.565	3.565	3.565	3.565	3.565	3.565	3.565
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-9.801	-9.801	-9.801	-9.801	-9.801	-9.801	-9.801	-9.801	-9.801
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.29	-0.25	-0.22	-0.18	-0.14	-0.11	-0.07	-0.04	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.164	-0.164	-0.164	-0.164	-0.164	-0.164	-0.164	-0.164	-0.164
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.94	-0.82	-0.71	-0.59	-0.47	-0.35	-0.24	-0.12	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.11	-0.10	-0.08	-0.07	-0.06	-0.04	-0.03	-0.01	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.029	-0.029	-0.029	-0.029	-0.029	-0.029	-0.029	-0.029	-0.029
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.11	-0.10	-0.08	-0.07	-0.06	-0.04	-0.03	-0.01	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.30	-0.26	-0.23	-0.19	-0.15	-0.11	-0.08	-0.04	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.054	-0.054	-0.054	-0.054	-0.054	-0.054	-0.054	-0.054	-0.054
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.30	-0.26	-0.23	-0.19	-0.15	-0.11	-0.08	-0.04	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		Vz	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.40	-0.35	-0.30	-0.25	-0.20	-0.15	-0.10	-0.05	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.40	-0.35	-0.30	-0.25	-0.20	-0.15	-0.10	-0.05	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.153	-0.153	-0.153	-0.153	-0.153	-0.153	-0.153	-0.153	-0.153
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.33	-0.29	-0.25	-0.21	-0.16	-0.12	-0.08	-0.04	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.33	-0.29	-0.25	-0.21	-0.16	-0.12	-0.08	-0.04	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.052	-0.052	-0.052	-0.052	-0.052	-0.052	-0.052	-0.052	-0.052
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.13	-0.11	-0.09	-0.08	-0.06	-0.05	-0.03	-0.02	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N220/N46	Peso próprio	N	-3.466	-3.466	-3.466	-3.466	-3.466	-3.466	-3.466	-3.466	-3.466
		Vy	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vz	-1.709	-1.525	-1.342	-1.158	-0.975	-0.791	-0.608	-0.424	-0.241
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	1.16	2.18	3.08	3.84	4.47	4.97	5.34	5.58
		Mz	0.00	-0.01	-0.01	-0.02	-0.03	-0.03	-0.04	-0.04	-0.05
	LAJE	N	-0.557	-0.557	-0.557	-0.557	-0.557	-0.557	-0.557	-0.557	-0.557
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-0.304	-0.304	-0.304	-0.304	-0.304	-0.304	-0.304	-0.304	-0.304
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Júnior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.138	-0.138	-0.138	-0.138	-0.138	-0.138	-0.138	-0.138	-0.138
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-4.340	-4.340	-4.340	-4.340	-4.340	-4.340	-4.340	-4.340	-4.340
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-9.313	-9.313	-9.313	-9.313	-9.313	-9.313	-9.313	-9.313	-9.313
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.097	-0.097	-0.097	-0.097	-0.097	-0.097	-0.097	-0.097	-0.097
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-0.317	-0.317	-0.317	-0.317	-0.317	-0.317	-0.317	-0.317	-0.317
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.304	-0.304	-0.304	-0.304	-0.304	-0.304	-0.304	-0.304	-0.304
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.142	-0.142	-0.142	-0.142	-0.142	-0.142	-0.142	-0.142	-0.142
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.336	-0.336	-0.336	-0.336	-0.336	-0.336	-0.336	-0.336	-0.336
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.246	-0.246	-0.246	-0.246	-0.246	-0.246	-0.246	-0.246	-0.246
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.261	-0.261	-0.261	-0.261	-0.261	-0.261	-0.261	-0.261	-0.261
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.283	-0.283	-0.283	-0.283	-0.283	-0.283	-0.283	-0.283	-0.283
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.109	-0.109	-0.109	-0.109	-0.109	-0.109	-0.109	-0.109	-0.109
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N46/N12	Peso próprio	N	-3.558	-3.558	-3.558	-3.558	-3.558	-3.558	-3.558	-3.558	-3.558
		Vy	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		Vz	0.241	0.424	0.608	0.791	0.975	1.158	1.342	1.525	1.709
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.58	5.34	4.97	4.47	3.84	3.08	2.18	1.16	0.00
		Mz	-0.05	-0.04	-0.04	-0.03	-0.03	-0.02	-0.01	-0.01	0.00
	LAJE	N	-0.566	-0.566	-0.566	-0.566	-0.566	-0.566	-0.566	-0.566	-0.566
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
	PAVIMENTAÇÃO	N	-0.309	-0.309	-0.309	-0.309	-0.309	-0.309	-0.309	-0.309	-0.309
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.076	-0.076	-0.076	-0.076	-0.076	-0.076	-0.076	-0.076	-0.076
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-6.934	-6.934	-6.934	-6.934	-6.934	-6.934	-6.934	-6.934	-6.934
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-7.377	-7.377	-7.377	-7.377	-7.377	-7.377	-7.377	-7.377	-7.377
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.099	-0.099	-0.099	-0.099	-0.099	-0.099	-0.099	-0.099	-0.099
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-0.323	-0.323	-0.323	-0.323	-0.323	-0.323	-0.323	-0.323	-0.323
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.116	-0.116	-0.116	-0.116	-0.116	-0.116	-0.116	-0.116	-0.116
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
	TB-450 - B1	N	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.312	-0.312	-0.312	-0.312	-0.312	-0.312	-0.312	-0.312	-0.312
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.242	-0.242	-0.242	-0.242	-0.242	-0.242	-0.242	-0.242	-0.242
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.343	-0.343	-0.343	-0.343	-0.343	-0.343	-0.343	-0.343	-0.343
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.277	-0.277	-0.277	-0.277	-0.277	-0.277	-0.277	-0.277	-0.277
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.270	-0.270	-0.270	-0.270	-0.270	-0.270	-0.270	-0.270	-0.270
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.111	-0.111	-0.111	-0.111	-0.111	-0.111	-0.111	-0.111	-0.111
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N219/N47	Peso próprio	N	-3.838	-3.838	-3.838	-3.838	-3.838	-3.838	-3.838	-3.838	-3.838
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		Vz	-1.709	-1.525	-1.342	-1.158	-0.975	-0.791	-0.608	-0.424	-0.241
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	1.16	2.18	3.08	3.84	4.47	4.97	5.34	5.58
		Mz	0.00	-0.01	-0.01	-0.02	-0.02	-0.03	-0.03	-0.04	-0.05
	LAJE	N	-1.576	-1.576	-1.576	-1.576	-1.576	-1.576	-1.576	-1.576	-1.576
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
	PAVIMENTAÇÃO	N	-0.860	-0.860	-0.860	-0.860	-0.860	-0.860	-0.860	-0.860	-0.860
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01
	RECAPEAMENTO	N	-0.391	-0.391	-0.391	-0.391	-0.391	-0.391	-0.391	-0.391	-0.391
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.212	-0.212	-0.212	-0.212	-0.212	-0.212	-0.212	-0.212	-0.212
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-9.930	-9.930	-9.930	-9.930	-9.930	-9.930	-9.930	-9.930	-9.930
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-9.953	-9.953	-9.953	-9.953	-9.953	-9.953	-9.953	-9.953	-9.953
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.275	-0.275	-0.275	-0.275	-0.275	-0.275	-0.275	-0.275	-0.275
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-0.899	-0.899	-0.899	-0.899	-0.899	-0.899	-0.899	-0.899	-0.899
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01
	TB-450 - A1	N	-0.146	-0.146	-0.146	-0.146	-0.146	-0.146	-0.146	-0.146	-0.146
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Júnior
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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.068	-0.068	-0.068	-0.068	-0.068	-0.068	-0.068	-0.068	-0.068
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.399	-0.399	-0.399	-0.399	-0.399	-0.399	-0.399	-0.399	-0.399
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.197	-0.197	-0.197	-0.197	-0.197	-0.197	-0.197	-0.197	-0.197
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.529	-0.529	-0.529	-0.529	-0.529	-0.529	-0.529	-0.529	-0.529
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.317	-0.317	-0.317	-0.317	-0.317	-0.317	-0.317	-0.317	-0.317
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.464	-0.464	-0.464	-0.464	-0.464	-0.464	-0.464	-0.464	-0.464
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.349	-0.349	-0.349	-0.349	-0.349	-0.349	-0.349	-0.349	-0.349
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.161	-0.161	-0.161	-0.161	-0.161	-0.161	-0.161	-0.161	-0.161
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N47/N14	Peso próprio	N	-3.849	-3.849	-3.849	-3.849	-3.849	-3.849	-3.849	-3.849	-3.849
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	0.241	0.424	0.608	0.791	0.975	1.158	1.342	1.525	1.709
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.58	5.34	4.97	4.47	3.84	3.08	2.18	1.16	0.00
		Mz	-0.05	-0.04	-0.03	-0.03	-0.02	-0.02	-0.01	-0.01	0.00
	LAJE	N	-1.597	-1.597	-1.597	-1.597	-1.597	-1.597	-1.597	-1.597	-1.597
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-0.872	-0.872	-0.872	-0.872	-0.872	-0.872	-0.872	-0.872	-0.872
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.396	-0.396	-0.396	-0.396	-0.396	-0.396	-0.396	-0.396	-0.396
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.215	-0.215	-0.215	-0.215	-0.215	-0.215	-0.215	-0.215	-0.215
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-4.806	-4.806	-4.806	-4.806	-4.806	-4.806	-4.806	-4.806	-4.806
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-12.455	-12.455	-12.455	-12.455	-12.455	-12.455	-12.455	-12.455	-12.455
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.279	-0.279	-0.279	-0.279	-0.279	-0.279	-0.279	-0.279	-0.279
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-0.911	-0.911	-0.911	-0.911	-0.911	-0.911	-0.911	-0.911	-0.911
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
	TB-450 - A1	N	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.148	-0.148	-0.148	-0.148	-0.148	-0.148	-0.148	-0.148	-0.148
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.199	-0.199	-0.199	-0.199	-0.199	-0.199	-0.199	-0.199	-0.199
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.406	-0.406	-0.406	-0.406	-0.406	-0.406	-0.406	-0.406	-0.406
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.321	-0.321	-0.321	-0.321	-0.321	-0.321	-0.321	-0.321	-0.321
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.540	-0.540	-0.540	-0.540	-0.540	-0.540	-0.540	-0.540	-0.540
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.355	-0.355	-0.355	-0.355	-0.355	-0.355	-0.355	-0.355	-0.355
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.478	-0.478	-0.478	-0.478	-0.478	-0.478	-0.478	-0.478	-0.478
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N221/N48	Peso próprio	N	-4.079	-4.079	-4.079	-4.079	-4.079	-4.079	-4.079	-4.079	-4.079
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	-1.709	-1.525	-1.342	-1.158	-0.975	-0.791	-0.608	-0.424	-0.241
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	1.16	2.18	3.08	3.84	4.47	4.97	5.34	5.58
		Mz	0.00	-0.01	-0.01	-0.02	-0.02	-0.03	-0.03	-0.04	-0.04
	LAJE	N	-2.570	-2.570	-2.570	-2.570	-2.570	-2.570	-2.570	-2.570	-2.570
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.03
	PAVIMENTAÇÃO	N	-1.402	-1.402	-1.402	-1.402	-1.402	-1.402	-1.402	-1.402	-1.402
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
	RECAPEAMENTO	N	-0.637	-0.637	-0.637	-0.637	-0.637	-0.637	-0.637	-0.637	-0.637
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
	GUARDA-RODAS	N	-0.346	-0.346	-0.346	-0.346	-0.346	-0.346	-0.346	-0.346	-0.346
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-19.640	-19.640	-19.640	-19.640	-19.640	-19.640	-19.640	-19.640	-19.640
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-11.926	-11.926	-11.926	-11.926	-11.926	-11.926	-11.926	-11.926	-11.926
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.449	-0.449	-0.449	-0.449	-0.449	-0.449	-0.449	-0.449	-0.449
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-1.465	-1.465	-1.465	-1.465	-1.465	-1.465	-1.465	-1.465	-1.465
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02
	TB-450 - A1	N	-0.170	-0.170	-0.170	-0.170	-0.170	-0.170	-0.170	-0.170	-0.170
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.468	-0.468	-0.468	-0.468	-0.468	-0.468	-0.468	-0.468	-0.468
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.312	-0.312	-0.312	-0.312	-0.312	-0.312	-0.312	-0.312	-0.312
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.647	-0.647	-0.647	-0.647	-0.647	-0.647	-0.647	-0.647	-0.647
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
	TB-450 - C2	N	-0.505	-0.505	-0.505	-0.505	-0.505	-0.505	-0.505	-0.505	-0.505
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
	TB-450 - D1	N	-0.631	-0.631	-0.631	-0.631	-0.631	-0.631	-0.631	-0.631	-0.631
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
	TB-450 - D2	N	-0.560	-0.560	-0.560	-0.560	-0.560	-0.560	-0.560	-0.560	-0.560
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
	TB-450 - E1	N	-0.271	-0.271	-0.271	-0.271	-0.271	-0.271	-0.271	-0.271	-0.271

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N48/N16	Peso próprio	N	-4.076	-4.076	-4.076	-4.076	-4.076	-4.076	-4.076	-4.076	-4.076
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	0.241	0.424	0.608	0.791	0.975	1.158	1.342	1.525	1.709
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.58	5.34	4.97	4.47	3.84	3.08	2.18	1.16	0.00
		Mz	-0.04	-0.04	-0.03	-0.03	-0.02	-0.02	-0.01	-0.01	0.00
	LAJE	N	-2.613	-2.613	-2.613	-2.613	-2.613	-2.613	-2.613	-2.613	-2.613
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.00	0.00
	PAVIMENTAÇÃO	N	-1.426	-1.426	-1.426	-1.426	-1.426	-1.426	-1.426	-1.426	-1.426
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.648	-0.648	-0.648	-0.648	-0.648	-0.648	-0.648	-0.648	-0.648
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.352	-0.352	-0.352	-0.352	-0.352	-0.352	-0.352	-0.352	-0.352
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-11.334	-11.334	-11.334	-11.334	-11.334	-11.334	-11.334	-11.334	-11.334
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-16.848	-16.848	-16.848	-16.848	-16.848	-16.848	-16.848	-16.848	-16.848
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.457	-0.457	-0.457	-0.457	-0.457	-0.457	-0.457	-0.457	-0.457
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-1.490	-1.490	-1.490	-1.490	-1.490	-1.490	-1.490	-1.490	-1.490
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
	TB-450 - A1	N	-0.106	-0.106	-0.106	-0.106	-0.106	-0.106	-0.106	-0.106	-0.106
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.175	-0.175	-0.175	-0.175	-0.175	-0.175	-0.175	-0.175	-0.175
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.306	-0.306	-0.306	-0.306	-0.306	-0.306	-0.306	-0.306	-0.306
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.487	-0.487	-0.487	-0.487	-0.487	-0.487	-0.487	-0.487	-0.487
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.504	-0.504	-0.504	-0.504	-0.504	-0.504	-0.504	-0.504	-0.504
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.669	-0.669	-0.669	-0.669	-0.669	-0.669	-0.669	-0.669	-0.669
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.568	-0.568	-0.568	-0.568	-0.568	-0.568	-0.568	-0.568	-0.568
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.650	-0.650	-0.650	-0.650	-0.650	-0.650	-0.650	-0.650	-0.650
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.279	-0.279	-0.279	-0.279	-0.279	-0.279	-0.279	-0.279	-0.279
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N218/N49	Peso próprio	N	-0.962	-0.962	-0.962	-0.962	-0.962	-0.962	-0.962	-0.962	-0.962
		Vy	-0.128	-0.128	-0.128	-0.128	-0.128	-0.128	-0.128	-0.128	-0.128
		Vz	-3.307	-2.911	-2.514	-2.117	-1.720	-1.323	-0.927	-0.530	-0.133
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-5.67	-3.45	-1.51	0.15	1.52	2.61	3.42	3.94	4.18
		Mz	-0.38	-0.29	-0.19	-0.10	-0.01	0.08	0.17	0.26	0.36
	LAJE	N	0.171	0.171	0.171	0.171	0.171	0.171	0.171	0.171	0.171
		Vy	-0.097	-0.097	-0.097	-0.097	-0.097	-0.097	-0.097	-0.097	-0.097
		Vz	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.09	0.08	0.07	0.06	0.05	0.05	0.04	0.03	0.02
		Mz	-0.27	-0.20	-0.13	-0.06	0.00	0.07	0.14	0.21	0.28
	PAVIMENTAÇÃO	N	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093
		Vy	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053
		Vz	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.05	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.01
		Mz	-0.15	-0.11	-0.07	-0.04	0.00	0.04	0.08	0.12	0.15
	RECAPEAMENTO	N	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
		Vy	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024
		Vz	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01
		Mz	-0.07	-0.05	-0.03	-0.02	0.00	0.02	0.04	0.05	0.07
	GUARDA-RODAS	N	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
		Vy	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		Vz	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
		Mz	-0.04	-0.03	-0.02	-0.01	0.00	0.01	0.02	0.03	0.04
	Vento 0	N	5.489	5.489	5.489	5.489	5.489	5.489	5.489	5.489	5.489
		Vy	-0.255	-0.255	-0.255	-0.255	-0.255	-0.255	-0.255	-0.255	-0.255

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		Vz	19.567	19.567	19.567	19.567	19.567	19.567	19.567	19.567	19.567
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	113.91	99.90	85.90	71.90	57.89	43.89	29.89	15.89	1.88
		Mz	-0.42	-0.24	-0.05	0.13	0.31	0.50	0.68	0.86	1.04
	Vento 180	N	-18.481	-18.481	-18.481	-18.481	-18.481	-18.481	-18.481	-18.481	-18.481
		Vy	0.212	0.212	0.212	0.212	0.212	0.212	0.212	0.212	0.212
		Vz	-15.971	-15.971	-15.971	-15.971	-15.971	-15.971	-15.971	-15.971	-15.971
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-92.30	-80.87	-69.44	-58.01	-46.58	-35.15	-23.72	-12.29	-0.86
		Mz	0.33	0.18	0.03	-0.13	-0.28	-0.43	-0.58	-0.73	-0.89
	Multidão - Passeio	N	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030
		Vy	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017
		Vz	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
		Mz	-0.05	-0.04	-0.02	-0.01	0.00	0.01	0.03	0.04	0.05
	Multidão - TB450	N	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097
		Vy	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055
		Vz	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.05	0.05	0.04	0.04	0.03	0.03	0.02	0.02	0.01
		Mz	-0.16	-0.12	-0.08	-0.04	0.00	0.04	0.08	0.12	0.16
	TB-450 - A1	N	-0.032	-0.032	-0.032	-0.032	-0.032	-0.032	-0.032	-0.032	-0.032
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.19	-0.17	-0.15	-0.12	-0.10	-0.07	-0.05	-0.02	0.00
		Mz	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.01	0.01	0.01
	TB-450 - A2	N	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.20	0.18	0.15	0.13	0.10	0.08	0.05	0.03	0.00
		Mz	-0.02	-0.01	-0.01	0.00	0.00	0.00	0.01	0.01	0.02
	TB-450 - B1	N	-0.088	-0.088	-0.088	-0.088	-0.088	-0.088	-0.088	-0.088	-0.088
		Vy	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		Vz	-0.076	-0.076	-0.076	-0.076	-0.076	-0.076	-0.076	-0.076	-0.076
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.44	-0.39	-0.33	-0.28	-0.22	-0.17	-0.11	-0.06	0.00
		Mz	-0.04	-0.03	-0.02	-0.01	0.00	0.01	0.02	0.03	0.04
	TB-450 - B2	N	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139
		Vy	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016
		Vz	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.47	0.41	0.35	0.30	0.24	0.18	0.12	0.07	0.01
		Mz	-0.04	-0.03	-0.02	-0.01	0.00	0.01	0.02	0.04	0.05
	TB-450 - C1	N	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063
		Vy	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020
		Vz	-0.071	-0.071	-0.071	-0.071	-0.071	-0.071	-0.071	-0.071	-0.071
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.41	-0.36	-0.31	-0.26	-0.21	-0.16	-0.11	-0.05	0.00
		Mz	-0.06	-0.04	-0.03	-0.01	0.00	0.01	0.03	0.04	0.06
	TB-450 - C2	N	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139
		Vy	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023
		Vz	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.45	0.40	0.34	0.29	0.23	0.18	0.12	0.07	0.01

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		Mz	-0.06	-0.05	-0.03	-0.01	0.00	0.02	0.03	0.05	0.07
	TB-450 - D1	N	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vy	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022
		Vz	-0.036	-0.036	-0.036	-0.036	-0.036	-0.036	-0.036	-0.036	-0.036
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.21	-0.18	-0.15	-0.13	-0.10	-0.08	-0.05	-0.03	0.00
		Mz	-0.06	-0.05	-0.03	-0.01	0.00	0.02	0.03	0.05	0.06
	TB-450 - D2	N	0.086	0.086	0.086	0.086	0.086	0.086	0.086	0.086	0.086
		Vy	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023
		Vz	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.27	0.23	0.20	0.17	0.14	0.11	0.07	0.04	0.01
		Mz	-0.07	-0.05	-0.03	-0.02	0.00	0.02	0.03	0.05	0.07
	TB-450 - E1	N	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
		Mz	-0.03	-0.02	-0.01	-0.01	0.00	0.01	0.02	0.02	0.03
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N49/N18	Peso próprio	N	-0.937	-0.937	-0.937	-0.937	-0.937	-0.937	-0.937	-0.937	-0.937
		Vy	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128
		Vz	0.132	0.529	0.926	1.323	1.720	2.116	2.513	2.910	3.307
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	4.18	3.94	3.42	2.61	1.52	0.15	-1.50	-3.45	-5.67
		Mz	0.36	0.27	0.17	0.08	-0.01	-0.10	-0.19	-0.28	-0.38
	LAJE	N	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111
		Vy	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097
		Vz	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.00	-0.02	-0.04	-0.07	-0.09	-0.11	-0.13	-0.15
		Mz	0.28	0.21	0.14	0.07	0.00	-0.07	-0.14	-0.20	-0.27
	PAVIMENTAÇÃO	N	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060
		Vy	0.053	0.053	0.053	0.053	0.053	0.053	0.053	0.053	0.053
		Vz	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	0.00	-0.01	-0.02	-0.04	-0.05	-0.06	-0.07	-0.08
		Mz	0.15	0.11	0.08	0.04	0.00	-0.04	-0.07	-0.11	-0.15
	RECAPEAMENTO	N	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027
		Vy	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024
		Vz	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	0.00	-0.01	-0.01	-0.02	-0.02	-0.03	-0.03	-0.04
		Mz	0.07	0.05	0.04	0.02	0.00	-0.02	-0.03	-0.05	-0.07
	GUARDA-RODAS	N	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vy	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		Vz	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02
		Mz	0.04	0.03	0.02	0.01	0.00	-0.01	-0.02	-0.03	-0.04
	Vento 0	N	-16.849	-16.849	-16.849	-16.849	-16.849	-16.849	-16.849	-16.849	-16.849
		Vy	-0.285	-0.285	-0.285	-0.285	-0.285	-0.285	-0.285	-0.285	-0.285
		Vz	19.565	19.565	19.565	19.565	19.565	19.565	19.565	19.565	19.565
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.88	-12.12	-26.12	-40.12	-54.12	-68.12	-82.12	-96.12	-110.12
		Mz	-1.15	-0.95	-0.74	-0.54	-0.34	-0.13	0.07	0.28	0.48
	Vento 180	N	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459
		Vy	0.243	0.243	0.243	0.243	0.243	0.243	0.243	0.243	0.243
		Vz	-15.968	-15.968	-15.968	-15.968	-15.968	-15.968	-15.968	-15.968	-15.968
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.86	10.56	21.99	33.42	44.84	56.27	67.70	79.12	90.55
		Mz	0.96	0.79	0.62	0.44	0.27	0.09	-0.08	-0.25	-0.43
	Multidão - Passeio	N	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
		Vy	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
		Vz	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	-0.01	-0.01	-0.02	-0.02	-0.02	-0.03
		Mz	0.05	0.04	0.02	0.01	0.00	-0.01	-0.02	-0.04	-0.05
	Multidão - TB450	N	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063
		Vy	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055
		Vz	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	0.00	-0.01	-0.03	-0.04	-0.05	-0.06	-0.07	-0.09
		Mz	0.16	0.12	0.08	0.04	0.00	-0.04	-0.08	-0.12	-0.16
	TB-450 - A1	N	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
		Vy	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vz	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.02	0.05	0.07	0.09	0.12	0.14	0.16	0.19
		Mz	0.02	0.01	0.01	0.00	0.00	0.00	-0.01	-0.01	-0.02
	TB-450 - A2	N	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.02	-0.05	-0.08	-0.10	-0.13	-0.15	-0.18	-0.20
		Mz	0.01	0.01	0.01	0.00	0.00	0.00	-0.01	-0.01	-0.01
	TB-450 - B1	N	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110
		Vy	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vz	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.05	0.10	0.15	0.21	0.26	0.31	0.36	0.42
		Mz	0.05	0.04	0.02	0.01	0.00	-0.01	-0.02	-0.03	-0.04
	TB-450 - B2	N	-0.076	-0.076	-0.076	-0.076	-0.076	-0.076	-0.076	-0.076	-0.076
		Vy	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Vz	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	-0.05	-0.11	-0.17	-0.23	-0.28	-0.34	-0.40	-0.46
		Mz	0.04	0.03	0.02	0.01	0.00	-0.01	-0.02	-0.03	-0.04
	TB-450 - C1	N	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105
		Vy	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		Vz	-0.067	-0.067	-0.067	-0.067	-0.067	-0.067	-0.067	-0.067	-0.067
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.04	0.09	0.14	0.19	0.24	0.28	0.33	0.38
		Mz	0.07	0.05	0.03	0.02	0.00	-0.01	-0.03	-0.05	-0.06
	TB-450 - C2	N	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056
		Vy	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
		Vz	0.081	0.081	0.081	0.081	0.081	0.081	0.081	0.081	0.081
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	-0.05	-0.10	-0.16	-0.22	-0.28	-0.34	-0.39	-0.45
		Mz	0.06	0.04	0.03	0.01	0.00	-0.02	-0.03	-0.04	-0.06
	TB-450 - D1	N	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057
		Vy	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
		Vz	-0.032	-0.032	-0.032	-0.032	-0.032	-0.032	-0.032	-0.032	-0.032
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.02	0.05	0.07	0.09	0.11	0.14	0.16	0.18
		Mz	0.07	0.05	0.03	0.02	0.00	-0.02	-0.03	-0.05	-0.07
	TB-450 - D2	N	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		Vy	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
		Vz	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	-0.03	-0.06	-0.10	-0.13	-0.17	-0.20	-0.24	-0.27
		Mz	0.06	0.05	0.03	0.02	0.00	-0.02	-0.03	-0.05	-0.06
	TB-450 - E1	N	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vy	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Vz	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02	-0.03
		Mz	0.03	0.02	0.02	0.01	0.00	-0.01	-0.02	-0.02	-0.03
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.375 m	0.563 m	0.938 m	1.313 m	1.689 m	2.064 m	2.251 m	2.627 m
N39/N38	Peso próprio	N	2.174	2.184	2.189	2.198	2.208	2.218	2.228	2.233	2.243
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.240	-0.172	-0.137	-0.069	0.000	0.069	0.137	0.172	0.240
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.08	0.11	0.15	0.16	0.15	0.11	0.08	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-8.231	-8.231	-8.231	-8.231	-8.231	-8.231	-8.231	-8.231	-8.231
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-4.629	-4.629	-4.629	-4.629	-4.629	-4.629	-4.629	-4.629	-4.629
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.375 m	0.563 m	0.938 m	1.313 m	1.689 m	2.064 m	2.251 m	2.627 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-2.104	-2.104	-2.104	-2.104	-2.104	-2.104	-2.104	-2.104	-2.104
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.654	-0.654	-0.654	-0.654	-0.654	-0.654	-0.654	-0.654	-0.654
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.137	-0.137	-0.137	-0.137	-0.137	-0.137	-0.137	-0.137	-0.137
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-6.559	-6.559	-6.559	-6.559	-6.559	-6.559	-6.559	-6.559	-6.559
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	3.016	3.016	3.016	3.016	3.016	3.016	3.016	3.016	3.016
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	3.015	3.015	3.015	3.015	3.015	3.015	3.015	3.015	3.015
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-3.308	-3.308	-3.308	-3.308	-3.308	-3.308	-3.308	-3.308	-3.308
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.375 m	0.563 m	0.938 m	1.313 m	1.689 m	2.064 m	2.251 m	2.627 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-3.311	-3.311	-3.311	-3.311	-3.311	-3.311	-3.311	-3.311	-3.311
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-6.271	-6.271	-6.271	-6.271	-6.271	-6.271	-6.271	-6.271	-6.271
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-6.276	-6.276	-6.276	-6.276	-6.276	-6.276	-6.276	-6.276	-6.276
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-4.186	-4.186	-4.186	-4.186	-4.186	-4.186	-4.186	-4.186	-4.186
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-4.193	-4.193	-4.193	-4.193	-4.193	-4.193	-4.193	-4.193	-4.193
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	2.582	2.582	2.582	2.582	2.582	2.582	2.582	2.582	2.582
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.375 m	0.750 m	0.938 m	1.313 m	1.689 m	2.064 m	2.251 m	2.627 m
N40/N39	Peso próprio	N	1.296	1.306	1.315	1.320	1.330	1.340	1.350	1.355	1.365
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.240	-0.172	-0.103	-0.069	0.000	0.069	0.137	0.172	0.240
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.08	0.13	0.15	0.16	0.15	0.11	0.08	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.375 m	0.750 m	0.938 m	1.313 m	1.689 m	2.064 m	2.251 m	2.627 m
	LAJE	N	-8.326	-8.326	-8.326	-8.326	-8.326	-8.326	-8.326	-8.326	-8.326
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-4.683	-4.683	-4.683	-4.683	-4.683	-4.683	-4.683	-4.683	-4.683
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-2.129	-2.129	-2.129	-2.129	-2.129	-2.129	-2.129	-2.129	-2.129
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.663	-0.663	-0.663	-0.663	-0.663	-0.663	-0.663	-0.663	-0.663
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-9.167	-9.167	-9.167	-9.167	-9.167	-9.167	-9.167	-9.167	-9.167
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-7.970	-7.970	-7.970	-7.970	-7.970	-7.970	-7.970	-7.970	-7.970
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.048	-0.048	-0.048	-0.048	-0.048	-0.048	-0.048	-0.048	-0.048
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-6.632	-6.632	-6.632	-6.632	-6.632	-6.632	-6.632	-6.632	-6.632
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	2.858	2.858	2.858	2.858	2.858	2.858	2.858	2.858	2.858
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.375 m	0.750 m	0.938 m	1.313 m	1.689 m	2.064 m	2.251 m	2.627 m
	TB-450 - A2	N	2.858	2.858	2.858	2.858	2.858	2.858	2.858	2.858	2.858
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-2.490	-2.490	-2.490	-2.490	-2.490	-2.490	-2.490	-2.490	-2.490
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-2.492	-2.492	-2.492	-2.492	-2.492	-2.492	-2.492	-2.492	-2.492
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-6.299	-6.299	-6.299	-6.299	-6.299	-6.299	-6.299	-6.299	-6.299
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-6.304	-6.304	-6.304	-6.304	-6.304	-6.304	-6.304	-6.304	-6.304
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-4.205	-4.205	-4.205	-4.205	-4.205	-4.205	-4.205	-4.205	-4.205
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-4.212	-4.212	-4.212	-4.212	-4.212	-4.212	-4.212	-4.212	-4.212
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	1.302	1.302	1.302	1.302	1.302	1.302	1.302	1.302	1.302
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.375 m	0.750 m	0.938 m	1.313 m	1.689 m	2.064 m	2.251 m	2.627 m
N41/N40	Peso próprio	N	0.131	0.140	0.150	0.155	0.165	0.175	0.185	0.190	0.200
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.240	-0.172	-0.103	-0.069	0.000	0.069	0.137	0.172	0.240
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.08	0.13	0.15	0.16	0.15	0.11	0.08	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-1.299	-1.299	-1.299	-1.299	-1.299	-1.299	-1.299	-1.299	-1.299
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-0.735	-0.735	-0.735	-0.735	-0.735	-0.735	-0.735	-0.735	-0.735
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.334	-0.334	-0.334	-0.334	-0.334	-0.334	-0.334	-0.334	-0.334
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.088	-0.088	-0.088	-0.088	-0.088	-0.088	-0.088	-0.088	-0.088
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-15.244	-15.244	-15.244	-15.244	-15.244	-15.244	-15.244	-15.244	-15.244
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-14.270	-14.270	-14.270	-14.270	-14.270	-14.270	-14.270	-14.270	-14.270
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-1.098	-1.098	-1.098	-1.098	-1.098	-1.098	-1.098	-1.098	-1.098
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.375 m	0.750 m	0.938 m	1.313 m	1.689 m	2.064 m	2.251 m	2.627 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	1.366	1.366	1.366	1.366	1.366	1.366	1.366	1.366	1.366
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	1.366	1.366	1.366	1.366	1.366	1.366	1.366	1.366	1.366
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-1.664	-1.664	-1.664	-1.664	-1.664	-1.664	-1.664	-1.664	-1.664
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-1.665	-1.665	-1.665	-1.665	-1.665	-1.665	-1.665	-1.665	-1.665
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-3.020	-3.020	-3.020	-3.020	-3.020	-3.020	-3.020	-3.020	-3.020
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-3.022	-3.022	-3.022	-3.022	-3.022	-3.022	-3.022	-3.022	-3.022
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-2.020	-2.020	-2.020	-2.020	-2.020	-2.020	-2.020	-2.020	-2.020
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-2.023	-2.023	-2.023	-2.023	-2.023	-2.023	-2.023	-2.023	-2.023
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.375 m	0.750 m	0.938 m	1.313 m	1.689 m	2.064 m	2.251 m	2.627 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.375 m	0.750 m	0.938 m	1.313 m	1.689 m	2.064 m	2.251 m	2.627 m
N42/N41	Peso próprio	N	0.115	0.125	0.135	0.139	0.149	0.159	0.169	0.174	0.184
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.240	-0.172	-0.103	-0.069	0.000	0.069	0.137	0.172	0.240
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.08	0.13	0.15	0.16	0.15	0.11	0.08	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.375 m	0.750 m	0.938 m	1.313 m	1.689 m	2.064 m	2.251 m	2.627 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.375 m	0.750 m	0.938 m	1.313 m	1.689 m	2.064 m	2.251 m	2.627 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.375 m	0.563 m	0.938 m	1.313 m	1.688 m	2.064 m	2.251 m	2.626 m
N43/N186	Peso próprio	N	-4.082	-4.073	-4.068	-4.058	-4.048	-4.038	-4.028	-4.023	-4.014
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.240	-0.172	-0.137	-0.069	0.000	0.069	0.137	0.172	0.240
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.08	0.11	0.15	0.16	0.15	0.11	0.08	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-2.629	-2.629	-2.629	-2.629	-2.629	-2.629	-2.629	-2.629	-2.629
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-1.435	-1.435	-1.435	-1.435	-1.435	-1.435	-1.435	-1.435	-1.435
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.652	-0.652	-0.652	-0.652	-0.652	-0.652	-0.652	-0.652	-0.652
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.354	-0.354	-0.354	-0.354	-0.354	-0.354	-0.354	-0.354	-0.354
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-9.410	-9.410	-9.410	-9.410	-9.410	-9.410	-9.410	-9.410	-9.410
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adilo José Francisco Júnior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.375 m	0.563 m	0.938 m	1.313 m	1.688 m	2.064 m	2.251 m	2.626 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-7.596	-7.596	-7.596	-7.596	-7.596	-7.596	-7.596	-7.596	-7.596
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.460	-0.460	-0.460	-0.460	-0.460	-0.460	-0.460	-0.460	-0.460
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-1.499	-1.499	-1.499	-1.499	-1.499	-1.499	-1.499	-1.499	-1.499
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.277	-0.277	-0.277	-0.277	-0.277	-0.277	-0.277	-0.277	-0.277
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.277	-0.277	-0.277	-0.277	-0.277	-0.277	-0.277	-0.277	-0.277
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.613	-0.613	-0.613	-0.613	-0.613	-0.613	-0.613	-0.613	-0.613
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.613	-0.613	-0.613	-0.613	-0.613	-0.613	-0.613	-0.613	-0.613
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.592	-0.592	-0.592	-0.592	-0.592	-0.592	-0.592	-0.592	-0.592
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.592	-0.592	-0.592	-0.592	-0.592	-0.592	-0.592	-0.592	-0.592
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.397	-0.397	-0.397	-0.397	-0.397	-0.397	-0.397	-0.397	-0.397
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adib José Francisco Junior
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HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.375 m	0.563 m	0.938 m	1.313 m	1.688 m	2.064 m	2.251 m	2.626 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.397	-0.397	-0.397	-0.397	-0.397	-0.397	-0.397	-0.397	-0.397
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.141	-0.141	-0.141	-0.141	-0.141	-0.141	-0.141	-0.141	-0.141
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.375 m	0.563 m	0.938 m	1.313 m	1.688 m	2.064 m	2.251 m	2.626 m
N186/N185	Peso próprio	N	-7.691	-7.681	-7.676	-7.667	-7.657	-7.647	-7.637	-7.632	-7.622
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.240	-0.172	-0.137	-0.069	0.000	0.069	0.137	0.172	0.240
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.08	0.11	0.15	0.16	0.15	0.11	0.08	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-4.473	-4.473	-4.473	-4.473	-4.473	-4.473	-4.473	-4.473	-4.473
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-2.441	-2.441	-2.441	-2.441	-2.441	-2.441	-2.441	-2.441	-2.441
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-1.109	-1.109	-1.109	-1.109	-1.109	-1.109	-1.109	-1.109	-1.109
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.602	-0.602	-0.602	-0.602	-0.602	-0.602	-0.602	-0.602	-0.602
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-5.776	-5.776	-5.776	-5.776	-5.776	-5.776	-5.776	-5.776	-5.776

Adib José Francisco Júnior
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HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.375 m	0.563 m	0.938 m	1.313 m	1.688 m	2.064 m	2.251 m	2.626 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-4.273	-4.273	-4.273	-4.273	-4.273	-4.273	-4.273	-4.273	-4.273
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.782	-0.782	-0.782	-0.782	-0.782	-0.782	-0.782	-0.782	-0.782
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-2.550	-2.550	-2.550	-2.550	-2.550	-2.550	-2.550	-2.550	-2.550
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.437	-0.437	-0.437	-0.437	-0.437	-0.437	-0.437	-0.437	-0.437
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.437	-0.437	-0.437	-0.437	-0.437	-0.437	-0.437	-0.437	-0.437
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-1.024	-1.024	-1.024	-1.024	-1.024	-1.024	-1.024	-1.024	-1.024
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-1.023	-1.023	-1.023	-1.023	-1.023	-1.023	-1.023	-1.023	-1.023
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-1.029	-1.029	-1.029	-1.029	-1.029	-1.029	-1.029	-1.029	-1.029
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-1.028	-1.028	-1.028	-1.028	-1.028	-1.028	-1.028	-1.028	-1.028
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.375 m	0.563 m	0.938 m	1.313 m	1.688 m	2.064 m	2.251 m	2.626 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.700	-0.700	-0.700	-0.700	-0.700	-0.700	-0.700	-0.700	-0.700
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.700	-0.700	-0.700	-0.700	-0.700	-0.700	-0.700	-0.700	-0.700
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.249	-0.249	-0.249	-0.249	-0.249	-0.249	-0.249	-0.249	-0.249
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.375 m	0.563 m	0.938 m	1.313 m	1.688 m	2.064 m	2.251 m	2.626 m
N185/N184	Peso próprio	N	-10.983	-10.973	-10.968	-10.958	-10.948	-10.938	-10.929	-10.924	-10.914
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.240	-0.172	-0.137	-0.069	0.000	0.069	0.137	0.172	0.240
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.08	0.11	0.15	0.16	0.15	0.11	0.08	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-5.039	-5.039	-5.039	-5.039	-5.039	-5.039	-5.039	-5.039	-5.039
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-2.749	-2.749	-2.749	-2.749	-2.749	-2.749	-2.749	-2.749	-2.749
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-1.250	-1.250	-1.250	-1.250	-1.250	-1.250	-1.250	-1.250	-1.250
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.678	-0.678	-0.678	-0.678	-0.678	-0.678	-0.678	-0.678	-0.678
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adib José Francisco Júnior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.375 m	0.563 m	0.938 m	1.313 m	1.688 m	2.064 m	2.251 m	2.626 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-3.439	-3.439	-3.439	-3.439	-3.439	-3.439	-3.439	-3.439	-3.439
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-1.987	-1.987	-1.987	-1.987	-1.987	-1.987	-1.987	-1.987	-1.987
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.880	-0.880	-0.880	-0.880	-0.880	-0.880	-0.880	-0.880	-0.880
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-2.872	-2.872	-2.872	-2.872	-2.872	-2.872	-2.872	-2.872	-2.872
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.449	-0.449	-0.449	-0.449	-0.449	-0.449	-0.449	-0.449	-0.449
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.449	-0.449	-0.449	-0.449	-0.449	-0.449	-0.449	-0.449	-0.449
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-1.085	-1.085	-1.085	-1.085	-1.085	-1.085	-1.085	-1.085	-1.085
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-1.084	-1.084	-1.084	-1.084	-1.084	-1.084	-1.084	-1.084	-1.084
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-1.233	-1.233	-1.233	-1.233	-1.233	-1.233	-1.233	-1.233	-1.233
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adilo José Francisco Júnior
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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.375 m	0.563 m	0.938 m	1.313 m	1.688 m	2.064 m	2.251 m	2.626 m
	TB-450 - C2	N	-1.207	-1.207	-1.207	-1.207	-1.207	-1.207	-1.207	-1.207	-1.207
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.864	-0.864	-0.864	-0.864	-0.864	-0.864	-0.864	-0.864	-0.864
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.863	-0.863	-0.863	-0.863	-0.863	-0.863	-0.863	-0.863	-0.863
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.310	-0.310	-0.310	-0.310	-0.310	-0.310	-0.310	-0.310	-0.310
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.375 m	0.750 m	0.938 m	1.313 m	1.688 m	2.064 m	2.251 m	2.626 m
N184/N44	Peso próprio	N	-13.902	-13.892	-13.882	-13.877	-13.867	-13.857	-13.848	-13.843	-13.833
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.240	-0.172	-0.103	-0.069	0.000	0.069	0.137	0.172	0.240
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.08	0.13	0.15	0.16	0.15	0.11	0.08	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-4.950	-4.950	-4.950	-4.950	-4.950	-4.950	-4.950	-4.950	-4.950
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-2.701	-2.701	-2.701	-2.701	-2.701	-2.701	-2.701	-2.701	-2.701
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-1.228	-1.228	-1.228	-1.228	-1.228	-1.228	-1.228	-1.228	-1.228
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.375 m	0.750 m	0.938 m	1.313 m	1.688 m	2.064 m	2.251 m	2.626 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.666	-0.666	-0.666	-0.666	-0.666	-0.666	-0.666	-0.666	-0.666
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-3.920	-3.920	-3.920	-3.920	-3.920	-3.920	-3.920	-3.920	-3.920
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-1.999	-1.999	-1.999	-1.999	-1.999	-1.999	-1.999	-1.999	-1.999
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.865	-0.865	-0.865	-0.865	-0.865	-0.865	-0.865	-0.865	-0.865
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-2.822	-2.822	-2.822	-2.822	-2.822	-2.822	-2.822	-2.822	-2.822
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.460	-0.460	-0.460	-0.460	-0.460	-0.460	-0.460	-0.460	-0.460
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.439	-0.439	-0.439	-0.439	-0.439	-0.439	-0.439	-0.439	-0.439
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-1.103	-1.103	-1.103	-1.103	-1.103	-1.103	-1.103	-1.103	-1.103
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-1.104	-1.104	-1.104	-1.104	-1.104	-1.104	-1.104	-1.104	-1.104
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-1.181	-1.181	-1.181	-1.181	-1.181	-1.181	-1.181	-1.181	-1.181
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.375 m	0.750 m	0.938 m	1.313 m	1.688 m	2.064 m	2.251 m	2.626 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-1.181	-1.181	-1.181	-1.181	-1.181	-1.181	-1.181	-1.181	-1.181
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.852	-0.852	-0.852	-0.852	-0.852	-0.852	-0.852	-0.852	-0.852
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.852	-0.852	-0.852	-0.852	-0.852	-0.852	-0.852	-0.852	-0.852
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.309	-0.309	-0.309	-0.309	-0.309	-0.309	-0.309	-0.309	-0.309
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.372 m	0.558 m	0.930 m	1.301 m	1.673 m	2.045 m	2.231 m	2.603 m
N44/N45	Peso próprio	N	-13.548	-13.545	-13.544	-13.541	-13.537	-13.534	-13.531	-13.529	-13.526
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.240	-0.172	-0.137	-0.069	0.000	0.069	0.137	0.172	0.240
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.08	0.11	0.14	0.16	0.14	0.11	0.08	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-4.381	-4.381	-4.381	-4.381	-4.381	-4.381	-4.381	-4.381	-4.381
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-2.391	-2.391	-2.391	-2.391	-2.391	-2.391	-2.391	-2.391	-2.391
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.372 m	0.558 m	0.930 m	1.301 m	1.673 m	2.045 m	2.231 m	2.603 m
	RECAPEAMENTO	N	-1.087	-1.087	-1.087	-1.087	-1.087	-1.087	-1.087	-1.087	-1.087
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.590	-0.590	-0.590	-0.590	-0.590	-0.590	-0.590	-0.590	-0.590
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-0.418	-0.418	-0.418	-0.418	-0.418	-0.418	-0.418	-0.418	-0.418
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-1.228	-1.228	-1.228	-1.228	-1.228	-1.228	-1.228	-1.228	-1.228
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.765	-0.765	-0.765	-0.765	-0.765	-0.765	-0.765	-0.765	-0.765
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-2.497	-2.497	-2.497	-2.497	-2.497	-2.497	-2.497	-2.497	-2.497
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.348	-0.348	-0.348	-0.348	-0.348	-0.348	-0.348	-0.348	-0.348
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.349	-0.349	-0.349	-0.349	-0.349	-0.349	-0.349	-0.349	-0.349
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.915	-0.915	-0.915	-0.915	-0.915	-0.915	-0.915	-0.915	-0.915
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.372 m	0.558 m	0.930 m	1.301 m	1.673 m	2.045 m	2.231 m	2.603 m
	TB-450 - B2	N	-0.916	-0.916	-0.916	-0.916	-0.916	-0.916	-0.916	-0.916	-0.916
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-1.100	-1.100	-1.100	-1.100	-1.100	-1.100	-1.100	-1.100	-1.100
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-1.101	-1.101	-1.101	-1.101	-1.101	-1.101	-1.101	-1.101	-1.101
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.828	-0.828	-0.828	-0.828	-0.828	-0.828	-0.828	-0.828	-0.828
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.828	-0.828	-0.828	-0.828	-0.828	-0.828	-0.828	-0.828	-0.828
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.310	-0.310	-0.310	-0.310	-0.310	-0.310	-0.310	-0.310	-0.310
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N8/N186	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	17.972	17.972	17.972	17.972	17.972	17.972	17.972	17.972	17.972
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N4/N186	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	22.333	22.333	22.333	22.333	22.333	22.333	22.333	22.333	22.333
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N115/N185	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	10.062	10.062	10.062	10.062	10.062	10.062	10.062	10.062	10.062
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adilo José Francisco Júnior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adilo José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N121/N185	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	13.687	13.687	13.687	13.687	13.687	13.687	13.687	13.687	13.687
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Júnior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adib José Francisco Junior
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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N113/N184	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	4.598	4.598	4.598	4.598	4.598	4.598	4.598	4.598	4.598
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adib José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adilo José Francisco Júnior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N120/N184	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	8.112	8.112	8.112	8.112	8.112	8.112	8.112	8.112	8.112
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Júnior
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HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adilo José Francisco Júnior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N114/N44	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Júnior
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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	4.704	4.704	4.704	4.704	4.704	4.704	4.704	4.704	4.704
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.264	0.264	0.264	0.264	0.264	0.264	0.264	0.264	0.264
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adib José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N122/N44	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adib José Francisco Júnior
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HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	9.356	9.356	9.356	9.356	9.356	9.356	9.356	9.356	9.356
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N220/N45	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Júnior
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HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	12.578	12.578	12.578	12.578	12.578	12.578	12.578	12.578	12.578
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.242	0.242	0.242	0.242	0.242	0.242	0.242	0.242	0.242
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adib José Francisco Junior
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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.408	0.408	0.408	0.408	0.408	0.408	0.408	0.408	0.408
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.429	0.429	0.429	0.429	0.429	0.429	0.429	0.429	0.429
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.086	0.086	0.086	0.086	0.086	0.086	0.086	0.086	0.086
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N12/N45	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	14.785	14.785	14.785	14.785	14.785	14.785	14.785	14.785	14.785
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.234	0.234	0.234	0.234	0.234	0.234	0.234	0.234	0.234
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.393	0.393	0.393	0.393	0.393	0.393	0.393	0.393	0.393
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.409	0.409	0.409	0.409	0.409	0.409	0.409	0.409	0.409
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N14/N46	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	12.521	12.521	12.521	12.521	12.521	12.521	12.521	12.521	12.521
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adilo José Francisco Júnior
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HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adilo José Francisco Júnior
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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N16/N47	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	15.469	15.469	15.469	15.469	15.469	15.469	15.469	15.469	15.469
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Junior
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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adilo José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N18/N48	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	20.709	20.709	20.709	20.709	20.709	20.709	20.709	20.709	20.709
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.372 m	0.558 m	0.930 m	1.301 m	1.673 m	2.045 m	2.231 m	2.603 m
N37/N36	Peso próprio	N	2.177	2.180	2.182	2.185	2.188	2.191	2.195	2.196	2.199
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.240	-0.172	-0.137	-0.069	0.000	0.069	0.137	0.172	0.240
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.08	0.11	0.14	0.16	0.14	0.11	0.08	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-8.156	-8.156	-8.156	-8.156	-8.156	-8.156	-8.156	-8.156	-8.156
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-4.587	-4.587	-4.587	-4.587	-4.587	-4.587	-4.587	-4.587	-4.587
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-2.085	-2.085	-2.085	-2.085	-2.085	-2.085	-2.085	-2.085	-2.085
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.648	-0.648	-0.648	-0.648	-0.648	-0.648	-0.648	-0.648	-0.648
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Júnior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.372 m	0.558 m	0.930 m	1.301 m	1.673 m	2.045 m	2.231 m	2.603 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-6.499	-6.499	-6.499	-6.499	-6.499	-6.499	-6.499	-6.499	-6.499
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	2.989	2.989	2.989	2.989	2.989	2.989	2.989	2.989	2.989
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	2.988	2.988	2.988	2.988	2.988	2.988	2.988	2.988	2.988
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-3.278	-3.278	-3.278	-3.278	-3.278	-3.278	-3.278	-3.278	-3.278
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-3.281	-3.281	-3.281	-3.281	-3.281	-3.281	-3.281	-3.281	-3.281
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-6.214	-6.214	-6.214	-6.214	-6.214	-6.214	-6.214	-6.214	-6.214
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-6.219	-6.219	-6.219	-6.219	-6.219	-6.219	-6.219	-6.219	-6.219
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.372 m	0.558 m	0.930 m	1.301 m	1.673 m	2.045 m	2.231 m	2.603 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-4.148	-4.148	-4.148	-4.148	-4.148	-4.148	-4.148	-4.148	-4.148
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-4.155	-4.155	-4.155	-4.155	-4.155	-4.155	-4.155	-4.155	-4.155
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	2.558	2.558	2.558	2.558	2.558	2.558	2.558	2.558	2.558
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.372 m	0.558 m	0.930 m	1.301 m	1.673 m	2.045 m	2.231 m	2.603 m
N38/N37	Peso próprio	N	2.177	2.180	2.182	2.185	2.188	2.191	2.195	2.196	2.199
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.240	-0.172	-0.137	-0.069	0.000	0.069	0.137	0.172	0.240
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.08	0.11	0.14	0.16	0.14	0.11	0.08	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-8.156	-8.156	-8.156	-8.156	-8.156	-8.156	-8.156	-8.156	-8.156
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-4.587	-4.587	-4.587	-4.587	-4.587	-4.587	-4.587	-4.587	-4.587
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-2.085	-2.085	-2.085	-2.085	-2.085	-2.085	-2.085	-2.085	-2.085
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.372 m	0.558 m	0.930 m	1.301 m	1.673 m	2.045 m	2.231 m	2.603 m
	GUARDA-RODAS	N	-0.648	-0.648	-0.648	-0.648	-0.648	-0.648	-0.648	-0.648	-0.648
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-6.499	-6.499	-6.499	-6.499	-6.499	-6.499	-6.499	-6.499	-6.499
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	2.989	2.989	2.989	2.989	2.989	2.989	2.989	2.989	2.989
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	2.988	2.988	2.988	2.988	2.988	2.988	2.988	2.988	2.988
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-3.278	-3.278	-3.278	-3.278	-3.278	-3.278	-3.278	-3.278	-3.278
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-3.281	-3.281	-3.281	-3.281	-3.281	-3.281	-3.281	-3.281	-3.281
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.372 m	0.558 m	0.930 m	1.301 m	1.673 m	2.045 m	2.231 m	2.603 m
	TB-450 - C1	N	-6.214	-6.214	-6.214	-6.214	-6.214	-6.214	-6.214	-6.214	-6.214
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-6.219	-6.219	-6.219	-6.219	-6.219	-6.219	-6.219	-6.219	-6.219
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-4.148	-4.148	-4.148	-4.148	-4.148	-4.148	-4.148	-4.148	-4.148
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-4.155	-4.155	-4.155	-4.155	-4.155	-4.155	-4.155	-4.155	-4.155
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	2.558	2.558	2.558	2.558	2.558	2.558	2.558	2.558	2.558
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N112/N127	Peso próprio	N	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-18.705	-18.101	-17.496	-16.892	-16.287	-15.682	-15.078	-14.473	-13.868
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	3.45	6.79	10.01	13.12	16.12	19.00	21.77	24.43
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-6.075	-6.075	-6.075	-6.075	-6.075	-6.075	-6.075	-6.075	-6.075
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-112.465	-108.772	-105.078	-101.384	-97.691	-93.997	-90.303	-86.609	-82.916
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	20.74	40.79	60.15	78.81	96.78	114.06	130.64	146.54
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-3.408	-3.408	-3.408	-3.408	-3.408	-3.408	-3.408	-3.408	-3.408
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-61.365	-59.198	-57.031	-54.864	-52.697	-50.530	-48.363	-46.196	-44.029
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		My	0.00	11.30	22.20	32.69	42.77	52.45	61.72	70.59	79.05
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-1.549	-1.549	-1.549	-1.549	-1.549	-1.549	-1.549	-1.549	-1.549
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-27.893	-26.908	-25.923	-24.938	-23.953	-22.968	-21.983	-20.998	-20.013
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	5.14	10.09	14.86	19.44	23.84	28.06	32.09	35.93
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.514	-0.514	-0.514	-0.514	-0.514	-0.514	-0.514	-0.514	-0.514
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-15.154	-15.154	-15.154	-15.154	-15.154	-15.154	-15.154	-15.154	-15.154
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	2.84	5.68	8.52	11.37	14.21	17.05	19.89	22.73
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-16.796	-16.796	-16.796	-16.796	-16.796	-16.796	-16.796	-16.796	-16.796
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.556	-0.556	-0.556	-0.556	-0.556	-0.556	-0.556	-0.556	-0.556
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.10	0.21	0.31	0.42	0.52	0.62	0.73	0.83
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	3.183	3.183	3.183	3.183	3.183	3.183	3.183	3.183	3.183
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.482
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.09	-0.18	-0.27	-0.36	-0.45	-0.54	-0.63	-0.72
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.087	-0.087	-0.087	-0.087	-0.087	-0.087	-0.087	-0.087	-0.087
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-19.688	-17.225	-14.763	-12.300	-9.838	-7.375	-4.913	-2.451	0.012
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	3.46	6.46	9.00	11.07	12.69	13.84	14.53	14.76
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-4.714	-4.714	-4.714	-4.714	-4.714	-4.714	-4.714	-4.714	-4.714
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-64.058	-64.058	-64.058	-64.058	-64.058	-64.058	-64.058	-64.058	-64.058
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	12.01	24.02	36.03	48.04	60.05	72.07	84.08	96.09
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.284	0.284	0.284	0.284	0.284	0.284	0.284	0.284	0.284
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	-0.01	-0.01	-0.01	-0.02	-0.02	-0.03	-0.03
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.314	0.314	0.314	0.314	0.314	0.314	0.314	0.314	0.314
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.01	-0.01	-0.02	-0.02	-0.03	-0.04	-0.04	-0.05
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-1.104	-1.104	-1.104	-1.104	-1.104	-1.104	-1.104	-1.104	-1.104
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-51.343	-51.343	-51.343	-51.343	-51.343	-51.343	-51.343	-51.343	-51.343
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	9.63	19.25	28.88	38.51	48.13	57.76	67.39	77.02
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.712	-0.712	-0.712	-0.712	-0.712	-0.712	-0.712	-0.712	-0.712
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-121.690	-121.690	-121.690	-121.690	-121.690	-121.690	-121.690	-121.690	-121.690
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	22.82	45.63	68.45	91.27	114.08	136.90	159.72	182.53

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-3.549	-3.549	-3.549	-3.549	-3.549	-3.549	-3.549	-3.549	-3.549
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.02	-0.03	-0.05	-0.06	-0.08	-0.10	-0.11	-0.13
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-3.552	-3.552	-3.552	-3.552	-3.552	-3.552	-3.552	-3.552	-3.552
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.02	-0.04	-0.06	-0.08	-0.09	-0.11	-0.13	-0.15
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-2.366	-2.366	-2.366	-2.366	-2.366	-2.366	-2.366	-2.366	-2.366
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.058	0.058	0.058	0.058	0.058	0.058	0.058	0.058	0.058
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.01	-0.02	-0.03	-0.04	-0.05	-0.06	-0.08	-0.09
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-2.370	-2.370	-2.370	-2.370	-2.370	-2.370	-2.370	-2.370	-2.370
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.01	-0.02	-0.04	-0.05	-0.06	-0.07	-0.09	-0.10
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.164	-0.164	-0.164	-0.164	-0.164	-0.164	-0.164	-0.164	-0.164
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.05	0.06
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N127/N128	Peso próprio	N	0.142	0.142	0.142
		Vy	0.000	0.000	0.000
		Vz	-13.868	-13.223	-12.578
		Mt	0.00	0.00	0.00
		My	24.43	27.14	29.72
		Mz	0.00	0.00	0.00
	LAJE	N	-6.075	-6.075	-6.075
		Vy	0.000	0.000	0.000
		Vz	-82.916	-78.976	-75.036
		Mt	0.00	0.00	0.00
		My	146.54	162.72	178.13
		Mz	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-3.408	-3.408	-3.408
		Vy	0.000	0.000	0.000
		Vz	-44.029	-44.029	-44.029

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Mt	0.00	0.00	0.00
		My	79.05	87.85	96.66
		Mz	0.00	0.00	0.00
	RECAPEAMENTO	N	-1.549	-1.549	-1.549
		Vy	0.000	0.000	0.000
		Vz	-20.013	-20.013	-20.013
		Mt	0.00	0.00	0.00
		My	35.93	39.93	43.94
		Mz	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.514	-0.514	-0.514
		Vy	0.000	0.000	0.000
		Vz	-15.154	-7.564	0.027
		Mt	0.00	0.00	0.00
		My	22.73	25.00	25.76
		Mz	0.00	0.00	0.00
	Vento 0	N	-16.796	-16.796	-16.796
		Vy	0.000	0.000	0.000
		Vz	-0.556	-0.556	-0.556
		Mt	0.00	0.00	0.00
		My	0.83	0.94	1.06
		Mz	0.00	0.00	0.00
	Vento 180	N	3.183	3.183	3.183
		Vy	0.000	0.000	0.000
		Vz	0.482	0.482	0.482
		Mt	0.00	0.00	0.00
		My	-0.72	-0.82	-0.92
		Mz	0.00	0.00	0.00
	Multidão - Passeio	N	-0.087	-0.087	-0.087
		Vy	0.000	0.000	0.000
		Vz	0.012	0.012	0.012
		Mt	0.00	0.00	0.00
		My	14.76	14.75	14.75
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	-4.714	-4.714	-4.714
		Vy	0.000	0.000	0.000
		Vz	-64.058	-64.058	-64.058
		Mt	0.00	0.00	0.00
		My	96.09	108.90	121.71
		Mz	0.00	0.00	0.00
	TB-450 - A1	N	0.284	0.284	0.284
		Vy	0.000	0.000	0.000
		Vz	0.019	0.019	0.019
		Mt	0.00	0.00	0.00
		My	-0.03	-0.03	-0.04
		Mz	0.00	0.00	0.00
	TB-450 - A2	N	0.314	0.314	0.314
		Vy	0.000	0.000	0.000
		Vz	0.032	0.032	0.032
		Mt	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		My	-0.05	-0.05	-0.06
		Mz	0.00	0.00	0.00
	TB-450 - B1	N	-1.104	-1.104	-1.104
		Vy	0.000	0.000	0.000
		Vz	-51.343	-51.343	-51.343
		Mt	0.00	0.00	0.00
		My	77.02	87.28	97.55
		Mz	0.00	0.00	0.00
	TB-450 - B2	N	-0.712	-0.712	-0.712
		Vy	0.000	0.000	0.000
		Vz	-121.690	-121.690	-121.690
		Mt	0.00	0.00	0.00
		My	182.53	206.87	231.21
		Mz	0.00	0.00	0.00
	TB-450 - C1	N	-3.549	-3.549	-3.549
		Vy	0.000	0.000	0.000
		Vz	0.084	0.084	0.084
		Mt	0.00	0.00	0.00
		My	-0.13	-0.14	-0.16
		Mz	0.00	0.00	0.00
	TB-450 - C2	N	-3.552	-3.552	-3.552
		Vy	0.000	0.000	0.000
		Vz	0.100	0.100	0.100
		Mt	0.00	0.00	0.00
		My	-0.15	-0.17	-0.19
		Mz	0.00	0.00	0.00
	TB-450 - D1	N	-2.366	-2.366	-2.366
		Vy	0.000	0.000	0.000
		Vz	0.058	0.058	0.058
		Mt	0.00	0.00	0.00
		My	-0.09	-0.10	-0.11
		Mz	0.00	0.00	0.00
	TB-450 - D2	N	-2.370	-2.370	-2.370
		Vy	0.000	0.000	0.000
		Vz	0.066	0.066	0.066
		Mt	0.00	0.00	0.00
		My	-0.10	-0.11	-0.13
		Mz	0.00	0.00	0.00
	TB-450 - E1	N	-0.164	-0.164	-0.164
		Vy	0.000	0.000	0.000
		Vz	-0.041	-0.041	-0.041
		Mt	0.00	0.00	0.00
		My	0.06	0.07	0.08
		Mz	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00

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HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N128/N129	Peso próprio	N	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-12.578	-11.196	-9.814	-9.123	-7.741	-6.359	-4.977	-4.286	-2.904
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	29.72	34.81	39.32	41.35	44.96	47.98	50.41	51.40	52.94
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-6.075	-6.075	-6.075	-6.075	-6.075	-6.075	-6.075	-6.075	-6.075
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-75.036	-66.593	-58.151	-53.929	-45.486	-37.044	-28.601	-24.380	-15.937
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	178.13	208.48	235.21	247.21	268.52	286.20	300.27	305.95	314.59
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-3.408	-3.408	-3.408	-3.408	-3.408	-3.408	-3.408	-3.408	-3.408
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-44.029	-39.076	-34.123	-31.647	-26.694	-21.741	-16.788	-14.311	-9.358
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	96.66	114.47	130.15	137.20	149.70	160.08	168.33	171.67	176.74
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-1.549	-1.549	-1.549	-1.549	-1.549	-1.549	-1.549	-1.549	-1.549
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-20.013	-17.762	-15.511	-14.385	-12.134	-9.882	-7.631	-6.505	-4.254
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	43.94	52.03	59.16	62.36	68.05	72.76	76.52	78.03	80.34
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.514	-0.514	-0.514	-0.514	-0.514	-0.514	-0.514	-0.514	-0.514
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.76	25.75	25.73	25.73	25.72	25.70	25.69	25.69	25.67
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-16.796	-16.796	-16.796	-16.796	-16.796	-16.796	-16.796	-16.796	-16.796
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.556	-0.556	-0.556	-0.556	-0.556	-0.556	-0.556	-0.556	-0.556
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.06	1.29	1.53	1.65	1.89	2.13	2.37	2.48	2.72
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	3.183	3.183	3.183	3.183	3.183	3.183	3.183	3.183	3.183
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.482
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.92	-1.12	-1.33	-1.43	-1.64	-1.85	-2.05	-2.16	-2.36
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.087	-0.087	-0.087	-0.087	-0.087	-0.087	-0.087	-0.087	-0.087
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.75	14.75	14.74	14.74	14.73	14.73	14.72	14.72	14.72
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-4.714	-4.714	-4.714	-4.714	-4.714	-4.714	-4.714	-4.714	-4.714
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-64.058	-56.854	-49.649	-46.047	-38.843	-31.638	-24.434	-20.831	-13.627

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	121.71	147.62	170.44	180.70	198.89	213.99	226.00	230.85	238.24
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.284	0.284	0.284	0.284	0.284	0.284	0.284	0.284	0.284
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.04	-0.04	-0.05	-0.06	-0.06	-0.07	-0.08	-0.09	-0.09
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.314	0.314	0.314	0.314	0.314	0.314	0.314	0.314	0.314
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.06	-0.07	-0.09	-0.10	-0.11	-0.12	-0.14	-0.14	-0.16
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-1.104	-1.104	-1.104	-1.104	-1.104	-1.104	-1.104	-1.104	-1.104
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-51.343	-51.343	-51.343	-51.343	-51.343	-51.343	-51.343	-51.343	-51.343
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	97.55	119.56	141.56	152.56	174.57	196.57	218.58	229.58	251.58
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.712	-0.712	-0.712	-0.712	-0.712	-0.712	-0.712	-0.712	-0.712
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-121.690	-96.925	-72.159	-59.777	-35.011	-10.246	14.519	26.902	51.667
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	231.21	278.06	314.29	328.42	348.74	358.43	357.52	353.08	336.24
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-3.549	-3.549	-3.549	-3.549	-3.549	-3.549	-3.549	-3.549	-3.549
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.16	-0.20	-0.23	-0.25	-0.29	-0.32	-0.36	-0.38	-0.41
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-3.552	-3.552	-3.552	-3.552	-3.552	-3.552	-3.552	-3.552	-3.552
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.19	-0.23	-0.28	-0.30	-0.34	-0.38	-0.43	-0.45	-0.49
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-2.366	-2.366	-2.366	-2.366	-2.366	-2.366	-2.366	-2.366	-2.366
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.058	0.058	0.058	0.058	0.058	0.058	0.058	0.058	0.058
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.11	-0.13	-0.16	-0.17	-0.20	-0.22	-0.24	-0.26	-0.28
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-2.370	-2.370	-2.370	-2.370	-2.370	-2.370	-2.370	-2.370	-2.370
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.13	-0.15	-0.18	-0.20	-0.22	-0.25	-0.28	-0.30	-0.32
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.164	-0.164	-0.164	-0.164	-0.164	-0.164	-0.164	-0.164	-0.164
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.08	0.10	0.11	0.12	0.14	0.16	0.18	0.18	0.20
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N129/N39	Peso próprio	N	0.142	0.142	0.142	0.142	0.142
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-2.904	-2.239	-1.574	-0.909	-0.244
		Mt	0.00	0.00	0.00	0.00	0.00
		My	52.94	53.47	53.87	54.12	54.24
		Mz	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-6.075	-6.075	-6.075	-6.075	-6.075
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-15.937	-11.874	-7.811	-3.748	0.315
		Mt	0.00	0.00	0.00	0.00	0.00
		My	314.59	317.45	319.48	320.68	321.03
		Mz	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-3.408	-3.408	-3.408	-3.408	-3.408
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-9.358	-6.974	-4.591	-2.207	0.177
		Mt	0.00	0.00	0.00	0.00	0.00
		My	176.74	178.42	179.62	180.32	180.53
		Mz	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-1.549	-1.549	-1.549	-1.549	-1.549
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-4.254	-3.170	-2.087	-1.003	0.080
		Mt	0.00	0.00	0.00	0.00	0.00
		My	80.34	81.10	81.64	81.96	82.06
		Mz	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.514	-0.514	-0.514	-0.514	-0.514
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.027	0.027	0.027	0.027	0.027
		Mt	0.00	0.00	0.00	0.00	0.00
		My	25.67	25.67	25.66	25.66	25.65
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-16.796	-16.796	-16.796	-16.796	-16.796
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.556	-0.556	-0.556	-0.556	-0.556
		Mt	0.00	0.00	0.00	0.00	0.00
		My	2.72	2.84	2.95	3.07	3.18
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	3.183	3.183	3.183	3.183	3.183
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.482	0.482	0.482	0.482	0.482
		Mt	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		My	-2.36	-2.46	-2.56	-2.66	-2.76
		Mz	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.087	-0.087	-0.087	-0.087	-0.087
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.012	0.012	0.012	0.012	0.012
		Mt	0.00	0.00	0.00	0.00	0.00
		My	14.72	14.71	14.71	14.71	14.71
		Mz	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-4.714	-4.714	-4.714	-4.714	-4.714
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-13.627	-10.160	-6.693	-3.226	0.242
		Mt	0.00	0.00	0.00	0.00	0.00
		My	238.24	240.69	242.43	243.45	243.76
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.284	0.284	0.284	0.284	0.284
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.019	0.019	0.019	0.019	0.019
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.09	-0.10	-0.10	-0.11	-0.11
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.314	0.314	0.314	0.314	0.314
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.032	0.032	0.032	0.032	0.032
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.16	-0.16	-0.17	-0.18	-0.18
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-1.104	-1.104	-1.104	-1.104	-1.104
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-51.343	-51.343	-51.343	-51.343	-51.343
		Mt	0.00	0.00	0.00	0.00	0.00
		My	251.58	262.17	272.76	283.35	293.94
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.712	-0.712	-0.712	-0.712	-0.712
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	51.667	51.667	51.667	51.667	51.667
		Mt	0.00	0.00	0.00	0.00	0.00
		My	336.24	325.59	314.93	304.28	293.62
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-3.549	-3.549	-3.549	-3.549	-3.549
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.084	0.084	0.084	0.084	0.084
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.41	-0.43	-0.45	-0.47	-0.48
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-3.552	-3.552	-3.552	-3.552	-3.552
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.100	0.100	0.100	0.100	0.100
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.49	-0.51	-0.53	-0.55	-0.57

Adib José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-2.366	-2.366	-2.366	-2.366	-2.366
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.058	0.058	0.058	0.058	0.058
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.28	-0.29	-0.31	-0.32	-0.33
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-2.370	-2.370	-2.370	-2.370	-2.370
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.066	0.066	0.066	0.066	0.066
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.32	-0.34	-0.35	-0.36	-0.38
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.164	-0.164	-0.164	-0.164	-0.164
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.041	-0.041	-0.041	-0.041	-0.041
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.20	0.21	0.22	0.23	0.24
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N39/N130	Peso próprio	N	-0.138	-0.138	-0.138	-0.138	-0.138
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.250	0.915	1.580	2.245	2.910
		Mt	0.00	0.00	0.00	0.00	0.00
		My	54.28	54.16	53.90	53.50	52.97
		Mz	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-6.075	-6.075	-6.075	-6.075	-6.075
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.314	3.749	7.812	11.875	15.938
		Mt	0.00	0.00	0.00	0.00	0.00
		My	321.03	320.68	319.49	317.46	314.59
		Mz	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-3.408	-3.408	-3.408	-3.408	-3.408
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.176	2.208	4.591	6.975	9.359
		Mt	0.00	0.00	0.00	0.00	0.00
		My	180.53	180.32	179.62	178.43	176.74
		Mz	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-1.549	-1.549	-1.549	-1.549	-1.549
		Vy	0.000	0.000	0.000	0.000	0.000

Adib José Francisco Júnior
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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Vz	-0.080	1.003	2.087	3.170	4.254
		Mt	0.00	0.00	0.00	0.00	0.00
		My	82.06	81.96	81.64	81.10	80.34
		Mz	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.514	-0.514	-0.514	-0.514	-0.514
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.027	-0.027	-0.027	-0.027	-0.027
		Mt	0.00	0.00	0.00	0.00	0.00
		My	25.65	25.66	25.66	25.67	25.68
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	3.186	3.186	3.186	3.186	3.186
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.560	-0.560	-0.560	-0.560	-0.560
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-3.21	-3.09	-2.98	-2.86	-2.75
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-14.179	-14.179	-14.179	-14.179	-14.179
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.478	0.478	0.478	0.478	0.478
		Mt	0.00	0.00	0.00	0.00	0.00
		My	2.73	2.64	2.54	2.44	2.34
		Mz	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.090	-0.090	-0.090	-0.090	-0.090
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.012	-0.012	-0.012	-0.012	-0.012
		Mt	0.00	0.00	0.00	0.00	0.00
		My	14.71	14.71	14.71	14.71	14.72
		Mz	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-4.714	-4.714	-4.714	-4.714	-4.714
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.241	3.226	6.693	10.160	13.627
		Mt	0.00	0.00	0.00	0.00	0.00
		My	243.76	243.45	242.43	240.69	238.24
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.314	0.314	0.314	0.314	0.314
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.032	-0.032	-0.032	-0.032	-0.032
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.18	-0.18	-0.17	-0.16	-0.16
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.283	0.283	0.283	0.283	0.283
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.019	-0.019	-0.019	-0.019	-0.019
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.11	-0.11	-0.10	-0.10	-0.09
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.713	-0.713	-0.713	-0.713	-0.713
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-51.667	-51.667	-51.667	-51.667	-51.667

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Mt	0.00	0.00	0.00	0.00	0.00
		My	293.62	304.28	314.93	325.59	336.25
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-1.107	-1.107	-1.107	-1.107	-1.107
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	51.344	51.344	51.344	51.344	51.344
		Mt	0.00	0.00	0.00	0.00	0.00
		My	293.94	283.35	272.76	262.17	251.58
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-3.549	-3.549	-3.549	-3.549	-3.549
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.100	-0.100	-0.100	-0.100	-0.100
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.57	-0.55	-0.53	-0.51	-0.49
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-3.551	-3.551	-3.551	-3.551	-3.551
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.084	-0.084	-0.084	-0.084	-0.084
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.48	-0.47	-0.45	-0.43	-0.41
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-2.366	-2.366	-2.366	-2.366	-2.366
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.066	-0.066	-0.066	-0.066	-0.066
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.38	-0.36	-0.35	-0.34	-0.32
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-2.370	-2.370	-2.370	-2.370	-2.370
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.057	-0.057	-0.057	-0.057	-0.057
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.33	-0.32	-0.30	-0.29	-0.28
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.151	0.151	0.151	0.151	0.151
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.034	0.034	0.034	0.034	0.034
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.20	0.19	0.18	0.18	0.17
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N130/N132	Peso próprio	N	-0.138	-0.138	-0.138	-0.138	-0.138	-0.138	-0.138	-0.138	-0.138
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.910	4.292	5.674	6.365	7.747	9.129	10.511	11.202	12.584
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	52.97	51.43	49.29	48.00	44.98	41.36	37.15	34.83	29.73
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-6.075	-6.075	-6.075	-6.075	-6.075	-6.075	-6.075	-6.075	-6.075
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	15.938	24.381	32.823	37.045	45.487	53.930	62.373	66.594	75.037
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	314.59	305.95	293.69	286.21	268.52	247.22	222.30	208.48	178.13
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-3.408	-3.408	-3.408	-3.408	-3.408	-3.408	-3.408	-3.408	-3.408
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	9.359	14.312	19.265	21.741	26.694	31.647	36.600	39.077	44.030
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	176.74	171.67	164.47	160.08	149.70	137.20	122.58	114.47	96.66
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-1.549	-1.549	-1.549	-1.549	-1.549	-1.549	-1.549	-1.549	-1.549
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	4.254	6.505	8.757	9.882	12.134	14.385	16.637	17.762	20.014
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	80.34	78.03	74.76	72.76	68.05	62.36	55.72	52.03	43.94
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.514	-0.514	-0.514	-0.514	-0.514	-0.514	-0.514	-0.514	-0.514
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.68	25.69	25.70	25.70	25.72	25.73	25.74	25.75	25.76
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	3.186	3.186	3.186	3.186	3.186	3.186	3.186	3.186	3.186
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.560	-0.560	-0.560	-0.560	-0.560	-0.560	-0.560	-0.560	-0.560
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.75	-2.51	-2.26	-2.14	-1.90	-1.66	-1.42	-1.30	-1.06
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-14.179	-14.179	-14.179	-14.179	-14.179	-14.179	-14.179	-14.179	-14.179
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.478	0.478	0.478	0.478	0.478	0.478	0.478	0.478	0.478
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.34	2.14	1.93	1.83	1.62	1.42	1.21	1.11	0.91
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.72	14.72	14.73	14.73	14.73	14.74	14.74	14.75	14.75
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-4.714	-4.714	-4.714	-4.714	-4.714	-4.714	-4.714	-4.714	-4.714
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	13.627	20.832	28.036	31.639	38.843	46.047	53.252	56.854	64.059
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	238.24	230.86	220.38	213.99	198.89	180.70	159.42	147.62	121.71
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.314	0.314	0.314	0.314	0.314	0.314	0.314	0.314	0.314
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.032	-0.032	-0.032	-0.032	-0.032	-0.032	-0.032	-0.032	-0.032

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.16	-0.14	-0.13	-0.12	-0.11	-0.09	-0.08	-0.07	-0.06
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.09	-0.09	-0.08	-0.07	-0.06	-0.06	-0.05	-0.04	-0.04
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.713	-0.713	-0.713	-0.713	-0.713	-0.713	-0.713	-0.713	-0.713
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-51.667	-26.902	-2.136	10.246	35.012	59.777	84.542	96.925	121.690
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	336.25	353.08	359.30	358.44	348.74	328.43	297.50	278.06	231.21
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-1.107	-1.107	-1.107	-1.107	-1.107	-1.107	-1.107	-1.107	-1.107
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	51.344	51.344	51.344	51.344	51.344	51.344	51.344	51.344	51.344
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	251.58	229.58	207.57	196.57	174.57	152.56	130.56	119.56	97.55
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-3.549	-3.549	-3.549	-3.549	-3.549	-3.549	-3.549	-3.549	-3.549
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.49	-0.45	-0.40	-0.38	-0.34	-0.30	-0.25	-0.23	-0.19
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-3.551	-3.551	-3.551	-3.551	-3.551	-3.551	-3.551	-3.551	-3.551
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.084	-0.084	-0.084	-0.084	-0.084	-0.084	-0.084	-0.084	-0.084
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.41	-0.38	-0.34	-0.32	-0.29	-0.25	-0.21	-0.20	-0.16
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-2.366	-2.366	-2.366	-2.366	-2.366	-2.366	-2.366	-2.366	-2.366
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.066	-0.066	-0.066	-0.066	-0.066	-0.066	-0.066	-0.066	-0.066
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.32	-0.29	-0.27	-0.25	-0.22	-0.20	-0.17	-0.15	-0.12
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-2.370	-2.370	-2.370	-2.370	-2.370	-2.370	-2.370	-2.370	-2.370
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.28	-0.26	-0.23	-0.22	-0.19	-0.17	-0.15	-0.13	-0.11
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.17	0.15	0.14	0.13	0.12	0.10	0.09	0.08	0.07
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adilo José Francisco Júnior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N132/N131	Peso próprio	N	-0.138	-0.138	-0.138
		Vy	0.000	0.000	0.000
		Vz	12.584	13.229	13.874
		Mt	0.00	0.00	0.00
		My	29.73	27.15	24.44
		Mz	0.00	0.00	0.00
	LAJE	N	-6.075	-6.075	-6.075
		Vy	0.000	0.000	0.000
		Vz	75.037	78.977	82.917
		Mt	0.00	0.00	0.00
		My	178.13	162.73	146.54
		Mz	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-3.408	-3.408	-3.408
		Vy	0.000	0.000	0.000
		Vz	44.030	44.030	44.030
		Mt	0.00	0.00	0.00
		My	96.66	87.85	79.05
		Mz	0.00	0.00	0.00
	RECAPEAMENTO	N	-1.549	-1.549	-1.549
		Vy	0.000	0.000	0.000
		Vz	20.014	20.014	20.014
		Mt	0.00	0.00	0.00
		My	43.94	39.93	35.93
		Mz	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.514	-0.514	-0.514
		Vy	0.000	0.000	0.000
		Vz	-0.027	7.564	15.155
		Mt	0.00	0.00	0.00
		My	25.76	25.00	22.73
		Mz	0.00	0.00	0.00
	Vento 0	N	3.186	3.186	3.186
		Vy	0.000	0.000	0.000
		Vz	-0.560	-0.560	-0.560
		Mt	0.00	0.00	0.00
		My	-1.06	-0.95	-0.84
		Mz	0.00	0.00	0.00
	Vento 180	N	-14.179	-14.179	-14.179
		Vy	0.000	0.000	0.000
		Vz	0.478	0.478	0.478
		Mt	0.00	0.00	0.00
		My	0.91	0.81	0.72
		Mz	0.00	0.00	0.00
	Multidão - Passeio	N	-0.090	-0.090	-0.090
		Vy	0.000	0.000	0.000
		Vz	-0.012	-0.012	-0.012
		Mt	0.00	0.00	0.00
		My	14.75	14.75	14.76
		Mz	0.00	0.00	0.00

Adib José Francisco Junior
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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
	Multidão - TB450	N	-4.714	-4.714	-4.714
		Vy	0.000	0.000	0.000
		Vz	64.059	64.059	64.059
		Mt	0.00	0.00	0.00
		My	121.71	108.90	96.09
		Mz	0.00	0.00	0.00
	TB-450 - A1	N	0.314	0.314	0.314
		Vy	0.000	0.000	0.000
		Vz	-0.032	-0.032	-0.032
		Mt	0.00	0.00	0.00
		My	-0.06	-0.05	-0.05
		Mz	0.00	0.00	0.00
	TB-450 - A2	N	0.283	0.283	0.283
		Vy	0.000	0.000	0.000
		Vz	-0.019	-0.019	-0.019
		Mt	0.00	0.00	0.00
		My	-0.04	-0.03	-0.03
		Mz	0.00	0.00	0.00
	TB-450 - B1	N	-0.713	-0.713	-0.713
		Vy	0.000	0.000	0.000
		Vz	121.690	121.690	121.690
		Mt	0.00	0.00	0.00
		My	231.21	206.87	182.53
		Mz	0.00	0.00	0.00
	TB-450 - B2	N	-1.107	-1.107	-1.107
		Vy	0.000	0.000	0.000
		Vz	51.344	51.344	51.344
		Mt	0.00	0.00	0.00
		My	97.55	87.28	77.02
		Mz	0.00	0.00	0.00
	TB-450 - C1	N	-3.549	-3.549	-3.549
		Vy	0.000	0.000	0.000
		Vz	-0.100	-0.100	-0.100
		Mt	0.00	0.00	0.00
		My	-0.19	-0.17	-0.15
		Mz	0.00	0.00	0.00
	TB-450 - C2	N	-3.551	-3.551	-3.551
		Vy	0.000	0.000	0.000
		Vz	-0.084	-0.084	-0.084
		Mt	0.00	0.00	0.00
		My	-0.16	-0.14	-0.13
		Mz	0.00	0.00	0.00
	TB-450 - D1	N	-2.366	-2.366	-2.366
		Vy	0.000	0.000	0.000
		Vz	-0.066	-0.066	-0.066
		Mt	0.00	0.00	0.00
		My	-0.12	-0.11	-0.10
		Mz	0.00	0.00	0.00
	TB-450 - D2	N	-2.370	-2.370	-2.370

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Vy	0.000	0.000	0.000
		Vz	-0.057	-0.057	-0.057
		Mt	0.00	0.00	0.00
		My	-0.11	-0.10	-0.09
		Mz	0.00	0.00	0.00
	TB-450 - E1	N	0.151	0.151	0.151
		Vy	0.000	0.000	0.000
		Vz	0.034	0.034	0.034
		Mt	0.00	0.00	0.00
		My	0.07	0.06	0.05
		Mz	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N131/N104	Peso próprio	N	-0.138	-0.138	-0.138	-0.138	-0.138	-0.138	-0.138	-0.138	-0.138
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	13.874	14.479	15.084	15.688	16.293	16.897	17.502	18.107	18.711
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	24.44	21.78	19.01	16.12	13.13	10.01	6.79	3.45	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-6.075	-6.075	-6.075	-6.075	-6.075	-6.075	-6.075	-6.075	-6.075
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	82.917	86.610	90.304	93.998	97.691	101.385	105.079	108.772	112.466
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	146.54	130.64	114.06	96.78	78.81	60.15	40.79	20.74	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-3.408	-3.408	-3.408	-3.408	-3.408	-3.408	-3.408	-3.408	-3.408
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	44.030	46.197	48.364	50.531	52.698	54.865	57.032	59.199	61.366
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	79.05	70.59	61.72	52.45	42.77	32.69	22.20	11.30	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-1.549	-1.549	-1.549	-1.549	-1.549	-1.549	-1.549	-1.549	-1.549
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	20.014	20.999	21.984	22.969	23.954	24.938	25.923	26.908	27.893
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	35.93	32.09	28.06	23.84	19.44	14.86	10.09	5.14	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.514	-0.514	-0.514	-0.514	-0.514	-0.514	-0.514	-0.514	-0.514
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	15.155	15.155	15.155	15.155	15.155	15.155	15.155	15.155	15.155
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	22.73	19.89	17.05	14.21	11.37	8.52	5.68	2.84	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	3.186	3.186	3.186	3.186	3.186	3.186	3.186	3.186	3.186
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.560	-0.560	-0.560	-0.560	-0.560	-0.560	-0.560	-0.560	-0.560

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.84	-0.74	-0.63	-0.53	-0.42	-0.32	-0.21	-0.11	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-14.179	-14.179	-14.179	-14.179	-14.179	-14.179	-14.179	-14.179	-14.179
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.478	0.478	0.478	0.478	0.478	0.478	0.478	0.478	0.478
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.72	0.63	0.54	0.45	0.36	0.27	0.18	0.09	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.012	2.451	4.913	7.376	9.838	12.300	14.763	17.225	19.688
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.76	14.53	13.84	12.69	11.07	9.00	6.46	3.46	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-4.714	-4.714	-4.714	-4.714	-4.714	-4.714	-4.714	-4.714	-4.714
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	64.059	64.059	64.059	64.059	64.059	64.059	64.059	64.059	64.059
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	96.09	84.08	72.07	60.05	48.04	36.03	24.02	12.01	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.314	0.314	0.314	0.314	0.314	0.314	0.314	0.314	0.314
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.032	-0.032	-0.032	-0.032	-0.032	-0.032	-0.032	-0.032	-0.032
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.05	-0.04	-0.04	-0.03	-0.02	-0.02	-0.01	-0.01	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.03	-0.03	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.713	-0.713	-0.713	-0.713	-0.713	-0.713	-0.713	-0.713	-0.713
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	121.690	121.690	121.690	121.690	121.690	121.690	121.690	121.690	121.690
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	182.53	159.72	136.90	114.08	91.27	68.45	45.63	22.82	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-1.107	-1.107	-1.107	-1.107	-1.107	-1.107	-1.107	-1.107	-1.107
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	51.344	51.344	51.344	51.344	51.344	51.344	51.344	51.344	51.344
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	77.02	67.39	57.76	48.13	38.51	28.88	19.25	9.63	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-3.549	-3.549	-3.549	-3.549	-3.549	-3.549	-3.549	-3.549	-3.549
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.15	-0.13	-0.11	-0.09	-0.08	-0.06	-0.04	-0.02	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-3.551	-3.551	-3.551	-3.551	-3.551	-3.551	-3.551	-3.551	-3.551
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.084	-0.084	-0.084	-0.084	-0.084	-0.084	-0.084	-0.084	-0.084
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.13	-0.11	-0.09	-0.08	-0.06	-0.05	-0.03	-0.02	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
	TB-450 - D1	N	-2.366	-2.366	-2.366	-2.366	-2.366	-2.366	-2.366	-2.366	-2.366
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.066	-0.066	-0.066	-0.066	-0.066	-0.066	-0.066	-0.066	-0.066
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.10	-0.09	-0.07	-0.06	-0.05	-0.04	-0.02	-0.01	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-2.370	-2.370	-2.370	-2.370	-2.370	-2.370	-2.370	-2.370	-2.370
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.09	-0.08	-0.06	-0.05	-0.04	-0.03	-0.02	-0.01	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.05	0.05	0.04	0.03	0.03	0.02	0.01	0.01	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.219 m	0.438 m	0.657 m	0.876 m	1.094 m	1.313 m
N2/N109	Peso próprio	N	65.379	65.452	65.525	65.597	65.670	65.743	65.816
		Vy	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Vz	2.201	2.709	3.217	3.725	4.233	4.742	5.250
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.54	-1.19	-1.95	-2.82	-3.80	-4.89
		Mz	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.02
	LAJE	N	148.232	148.232	148.232	148.232	148.232	148.232	148.232
		Vy	0.025	0.025	0.025	0.025	0.025	0.025	0.025
		Vz	13.672	13.672	13.672	13.672	13.672	13.672	13.672
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-2.99	-5.99	-8.98	-11.97	-14.96	-17.96
		Mz	0.00	-0.01	-0.01	-0.02	-0.02	-0.03	-0.03
	PAVIMENTAÇÃO	N	80.887	80.887	80.887	80.887	80.887	80.887	80.887
		Vy	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vz	7.460	7.460	7.460	7.460	7.460	7.460	7.460
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-1.63	-3.27	-4.90	-6.53	-8.16	-9.80
		Mz	0.00	0.00	-0.01	-0.01	-0.01	-0.02	-0.02
	RECAPEAMENTO	N	36.767	36.767	36.767	36.767	36.767	36.767	36.767
		Vy	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vz	3.391	3.391	3.391	3.391	3.391	3.391	3.391
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.74	-1.48	-2.23	-2.97	-3.71	-4.45
		Mz	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.219 m	0.438 m	0.657 m	0.876 m	1.094 m	1.313 m
	GUARDA-RODAS	N	19.955	19.955	19.955	19.955	19.955	19.955	19.955
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	1.842	1.842	1.842	1.842	1.842	1.842	1.842
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.40	-0.81	-1.21	-1.61	-2.02	-2.42
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	12.602	12.602	12.602	12.602	12.602	12.602	12.602
		Vy	23.447	23.118	22.790	22.462	22.133	21.805	21.477
		Vz	-0.616	-0.616	-0.616	-0.616	-0.616	-0.616	-0.616
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.13	0.27	0.40	0.54	0.67	0.81
		Mz	0.00	-5.10	-10.12	-15.07	-19.95	-24.76	-29.50
	Vento 180	N	-17.246	-17.246	-17.246	-17.246	-17.246	-17.246	-17.246
		Vy	-20.514	-20.514	-20.514	-20.514	-20.514	-20.514	-20.514
		Vz	0.583	0.583	0.583	0.583	0.583	0.583	0.583
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.13	-0.26	-0.38	-0.51	-0.64	-0.77
		Mz	0.00	4.49	8.98	13.47	17.96	22.45	26.94
	Multidão - Passeio	N	25.894	25.894	25.894	25.894	25.894	25.894	25.894
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	2.391	2.391	2.391	2.391	2.391	2.391	2.391
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.52	-1.05	-1.57	-2.09	-2.62	-3.14
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	84.509	84.509	84.509	84.509	84.509	84.509	84.509
		Vy	0.022	0.022	0.022	0.022	0.022	0.022	0.022
		Vz	7.790	7.790	7.790	7.790	7.790	7.790	7.790
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-1.71	-3.41	-5.12	-6.82	-8.53	-10.23
		Mz	0.00	0.00	-0.01	-0.01	-0.02	-0.02	-0.03
	TB-450 - A1	N	42.540	42.540	42.540	42.540	42.540	42.540	42.540
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	-5.833	-5.833	-5.833	-5.833	-5.833	-5.833	-5.833
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	1.28	2.55	3.83	5.11	6.38	7.66
		Mz	0.00	0.00	0.00	0.00	0.01	0.01	0.01
	TB-450 - A2	N	18.107	18.107	18.107	18.107	18.107	18.107	18.107
		Vy	0.010	0.010	0.010	0.010	0.010	0.010	0.010
		Vz	-2.454	-2.454	-2.454	-2.454	-2.454	-2.454	-2.454
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.54	1.07	1.61	2.15	2.69	3.22
		Mz	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01
	TB-450 - B1	N	50.143	50.143	50.143	50.143	50.143	50.143	50.143
		Vy	0.166	0.166	0.166	0.166	0.166	0.166	0.166
		Vz	8.352	8.352	8.352	8.352	8.352	8.352	8.352
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-1.83	-3.66	-5.48	-7.31	-9.14	-10.97
		Mz	0.00	-0.04	-0.07	-0.11	-0.15	-0.18	-0.22
	TB-450 - B2	N	22.593	22.593	22.593	22.593	22.593	22.593	22.593

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.219 m	0.438 m	0.657 m	0.876 m	1.094 m	1.313 m
		Vy	-0.151	-0.151	-0.151	-0.151	-0.151	-0.151	-0.151
		Vz	3.533	3.533	3.533	3.533	3.533	3.533	3.533
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.77	-1.55	-2.32	-3.09	-3.87	-4.64
		Mz	0.00	0.03	0.07	0.10	0.13	0.17	0.20
	TB-450 - C1	N	35.663	35.663	35.663	35.663	35.663	35.663	35.663
		Vy	0.182	0.182	0.182	0.182	0.182	0.182	0.182
		Vz	6.743	6.743	6.743	6.743	6.743	6.743	6.743
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-1.48	-2.95	-4.43	-5.90	-7.38	-8.86
		Mz	0.00	-0.04	-0.08	-0.12	-0.16	-0.20	-0.24
	TB-450 - C2	N	16.569	16.569	16.569	16.569	16.569	16.569	16.569
		Vy	-0.148	-0.148	-0.148	-0.148	-0.148	-0.148	-0.148
		Vz	2.850	2.850	2.850	2.850	2.850	2.850	2.850
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.62	-1.25	-1.87	-2.50	-3.12	-3.74
		Mz	0.00	0.03	0.06	0.10	0.13	0.16	0.19
	TB-450 - D1	N	21.581	21.581	21.581	21.581	21.581	21.581	21.581
		Vy	0.099	0.099	0.099	0.099	0.099	0.099	0.099
		Vz	4.088	4.088	4.088	4.088	4.088	4.088	4.088
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.89	-1.79	-2.68	-3.58	-4.47	-5.37
		Mz	0.00	-0.02	-0.04	-0.07	-0.09	-0.11	-0.13
	TB-450 - D2	N	9.936	9.936	9.936	9.936	9.936	9.936	9.936
		Vy	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080
		Vz	1.726	1.726	1.726	1.726	1.726	1.726	1.726
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.38	-0.76	-1.13	-1.51	-1.89	-2.27
		Mz	0.00	0.02	0.03	0.05	0.07	0.09	0.10
	TB-450 - E1	N	7.206	7.206	7.206	7.206	7.206	7.206	7.206
		Vy	0.056	0.056	0.056	0.056	0.056	0.056	0.056
		Vz	1.400	1.400	1.400	1.400	1.400	1.400	1.400
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.31	-0.61	-0.92	-1.23	-1.53	-1.84
		Mz	0.00	-0.01	-0.02	-0.04	-0.05	-0.06	-0.07
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N109/N155	Peso próprio	N	65.816	65.875	65.934	65.993	66.052	66.111	66.170
		Vy	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Vz	5.250	5.661	6.072	6.484	6.895	7.306	7.718
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		My	-4.89	-5.86	-6.90	-8.01	-9.20	-10.46	-11.79
		Mz	-0.02	-0.02	-0.02	-0.02	-0.03	-0.03	-0.03
	LAJE	N	148.232	148.232	148.232	148.232	148.232	148.232	148.232
		Vy	0.025	0.025	0.025	0.025	0.025	0.025	0.025
		Vz	13.672	13.672	13.672	13.672	13.672	13.672	13.672
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-17.96	-20.38	-22.80	-25.22	-27.65	-30.07	-32.49
		Mz	-0.03	-0.04	-0.04	-0.05	-0.05	-0.05	-0.06
	PAVIMENTAÇÃO	N	80.887	80.887	80.887	80.887	80.887	80.887	80.887
		Vy	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vz	7.460	7.460	7.460	7.460	7.460	7.460	7.460
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-9.80	-11.12	-12.44	-13.76	-15.09	-16.41	-17.73
		Mz	-0.02	-0.02	-0.02	-0.03	-0.03	-0.03	-0.03
	RECAPEAMENTO	N	36.767	36.767	36.767	36.767	36.767	36.767	36.767
		Vy	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vz	3.391	3.391	3.391	3.391	3.391	3.391	3.391
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.45	-5.05	-5.66	-6.26	-6.86	-7.46	-8.06
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02
	GUARDA-RODAS	N	19.955	19.955	19.955	19.955	19.955	19.955	19.955
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	1.842	1.842	1.842	1.842	1.842	1.842	1.842
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.42	-2.74	-3.07	-3.40	-3.72	-4.05	-4.38
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	12.602	12.602	12.602	12.602	12.602	12.602	12.602
		Vy	21.477	21.476	21.476	21.476	21.476	21.476	21.476
		Vz	-0.616	-0.616	-0.616	-0.616	-0.616	-0.616	-0.616
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.81	0.92	1.03	1.14	1.25	1.36	1.46
		Mz	-29.50	-33.30	-37.11	-40.92	-44.72	-48.53	-52.33
	Vento 180	N	-17.246	-17.246	-17.246	-17.246	-17.246	-17.246	-17.246
		Vy	-20.514	-20.514	-20.514	-20.514	-20.514	-20.514	-20.514
		Vz	0.583	0.583	0.583	0.583	0.583	0.583	0.583
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.77	-0.87	-0.97	-1.08	-1.18	-1.28	-1.38
		Mz	26.94	30.58	34.21	37.85	41.48	45.12	48.75
	Multidão - Passeio	N	25.894	25.894	25.894	25.894	25.894	25.894	25.894
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	2.391	2.391	2.391	2.391	2.391	2.391	2.391
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.14	-3.56	-3.99	-4.41	-4.84	-5.26	-5.68
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	84.509	84.509	84.509	84.509	84.509	84.509	84.509
		Vy	0.022	0.022	0.022	0.022	0.022	0.022	0.022
		Vz	7.790	7.790	7.790	7.790	7.790	7.790	7.790
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-10.23	-11.61	-12.99	-14.37	-15.75	-17.13	-18.51

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Mz	-0.03	-0.03	-0.04	-0.04	-0.04	-0.05	-0.05
	TB-450 - A1	N	42.540	42.540	42.540	42.540	42.540	42.540	42.540
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	-5.833	-5.833	-5.833	-5.833	-5.833	-5.833	-5.833
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.66	8.69	9.73	10.76	11.79	12.83	13.86
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - A2	N	18.107	18.107	18.107	18.107	18.107	18.107	18.107
		Vy	0.010	0.010	0.010	0.010	0.010	0.010	0.010
		Vz	-2.454	-2.454	-2.454	-2.454	-2.454	-2.454	-2.454
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.22	3.66	4.09	4.53	4.96	5.40	5.83
		Mz	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
	TB-450 - B1	N	50.143	50.143	50.143	50.143	50.143	50.143	50.143
		Vy	0.166	0.166	0.166	0.166	0.166	0.166	0.166
		Vz	8.352	8.352	8.352	8.352	8.352	8.352	8.352
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-10.97	-12.45	-13.93	-15.41	-16.89	-18.37	-19.85
		Mz	-0.22	-0.25	-0.28	-0.31	-0.34	-0.37	-0.40
	TB-450 - B2	N	22.593	22.593	22.593	22.593	22.593	22.593	22.593
		Vy	-0.151	-0.151	-0.151	-0.151	-0.151	-0.151	-0.151
		Vz	3.533	3.533	3.533	3.533	3.533	3.533	3.533
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.64	-5.27	-5.89	-6.52	-7.14	-7.77	-8.40
		Mz	0.20	0.23	0.25	0.28	0.31	0.33	0.36
	TB-450 - C1	N	35.663	35.663	35.663	35.663	35.663	35.663	35.663
		Vy	0.182	0.182	0.182	0.182	0.182	0.182	0.182
		Vz	6.743	6.743	6.743	6.743	6.743	6.743	6.743
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-8.86	-10.05	-11.25	-12.44	-13.64	-14.83	-16.03
		Mz	-0.24	-0.27	-0.30	-0.34	-0.37	-0.40	-0.43
	TB-450 - C2	N	16.569	16.569	16.569	16.569	16.569	16.569	16.569
		Vy	-0.148	-0.148	-0.148	-0.148	-0.148	-0.148	-0.148
		Vz	2.850	2.850	2.850	2.850	2.850	2.850	2.850
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.74	-4.25	-4.75	-5.26	-5.76	-6.27	-6.77
		Mz	0.19	0.22	0.25	0.27	0.30	0.33	0.35
	TB-450 - D1	N	21.581	21.581	21.581	21.581	21.581	21.581	21.581
		Vy	0.099	0.099	0.099	0.099	0.099	0.099	0.099
		Vz	4.088	4.088	4.088	4.088	4.088	4.088	4.088
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.37	-6.09	-6.82	-7.54	-8.27	-8.99	-9.72
		Mz	-0.13	-0.15	-0.17	-0.18	-0.20	-0.22	-0.24
	TB-450 - D2	N	9.936	9.936	9.936	9.936	9.936	9.936	9.936
		Vy	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080
		Vz	1.726	1.726	1.726	1.726	1.726	1.726	1.726
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.27	-2.57	-2.88	-3.19	-3.49	-3.80	-4.10
		Mz	0.10	0.12	0.13	0.15	0.16	0.17	0.19

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
	TB-450 - E1	N	7.206	7.206	7.206	7.206	7.206	7.206	7.206
		Vy	0.056	0.056	0.056	0.056	0.056	0.056	0.056
		Vz	1.400	1.400	1.400	1.400	1.400	1.400	1.400
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.84	-2.09	-2.34	-2.58	-2.83	-3.08	-3.33
		Mz	-0.07	-0.08	-0.09	-0.10	-0.11	-0.12	-0.13
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N155/N105	Peso próprio	N	84.345	84.386	84.428
		Vy	-0.214	-0.214	-0.214
		Vz	-156.555	-156.265	-155.975
		Mt	0.02	0.02	0.02
		My	-76.97	-57.42	-37.90
		Mz	-0.03	0.00	0.02
	LAJE	N	189.684	189.684	189.684
		Vy	0.005	0.005	0.005
		Vz	-430.395	-430.395	-430.395
		Mt	0.16	0.16	0.16
		My	-188.30	-134.50	-80.70
		Mz	-0.06	-0.06	-0.06
	PAVIMENTAÇÃO	N	103.506	103.506	103.506
		Vy	0.003	0.003	0.003
		Vz	-234.856	-234.856	-234.856
		Mt	0.09	0.09	0.09
		My	-102.75	-73.39	-44.03
		Mz	-0.03	-0.03	-0.03
	RECAPEAMENTO	N	47.048	47.048	47.048
		Vy	0.001	0.001	0.001
		Vz	-106.753	-106.753	-106.753
		Mt	0.04	0.04	0.04
		My	-46.70	-33.36	-20.02
		Mz	-0.02	-0.02	-0.02
	GUARDA-RODAS	N	25.536	25.536	25.536
		Vy	0.000	0.000	0.000
		Vz	-57.938	-57.938	-57.938
		Mt	0.01	0.01	0.01
		My	-25.35	-18.11	-10.87
		Mz	0.00	0.00	0.00
	Vento 0	N	13.026	13.026	13.026
		Vy	14.716	14.716	14.716
		Vz	-3.814	-3.814	-3.814

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mt	-0.15	-0.15	-0.15
		My	-0.53	-0.05	0.42
		Mz	-52.03	-53.87	-55.71
	Vento 180	N	-17.487	-17.487	-17.487
		Vy	-17.168	-17.168	-17.168
		Vz	2.128	2.128	2.128
		Mt	-0.07	-0.07	-0.07
		My	-0.23	-0.50	-0.76
		Mz	48.45	50.60	52.75
	Multidão - Passeio	N	33.137	33.137	33.137
		Vy	-0.001	-0.001	-0.001
		Vz	-75.180	-75.180	-75.180
		Mt	0.01	0.01	0.01
		My	-32.91	-23.51	-14.11
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	108.139	108.139	108.139
		Vy	0.006	0.006	0.006
		Vz	-245.379	-245.379	-245.379
		Mt	0.12	0.12	0.12
		My	-107.33	-76.66	-45.99
		Mz	-0.05	-0.05	-0.05
	TB-450 - A1	N	48.740	48.740	48.740
		Vy	-0.015	-0.015	-0.015
		Vz	-132.359	-132.359	-132.359
		Mt	0.09	0.09	0.09
		My	-12.80	3.75	20.29
		Mz	0.02	0.02	0.02
	TB-450 - A2	N	20.728	20.728	20.728
		Vy	0.002	0.002	0.002
		Vz	-55.868	-55.868	-55.868
		Mt	0.03	0.03	0.03
		My	-5.43	1.55	8.54
		Mz	-0.03	-0.03	-0.03
	TB-450 - B1	N	66.509	66.509	66.509
		Vy	0.148	0.148	0.148
		Vz	-143.510	-143.510	-143.510
		Mt	0.05	0.05	0.05
		My	-80.17	-62.23	-44.30
		Mz	-0.39	-0.41	-0.43
	TB-450 - B2	N	29.511	29.511	29.511
		Vy	-0.144	-0.144	-0.144
		Vz	-60.643	-60.643	-60.643
		Mt	0.04	0.04	0.04
		My	-33.87	-26.29	-18.71
		Mz	0.35	0.37	0.39
	TB-450 - C1	N	47.938	47.938	47.938
		Vy	0.162	0.162	0.162
		Vz	-104.661	-104.661	-104.661
		Mt	0.05	0.05	0.05

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		My	-61.00	-47.92	-34.83
		Mz	-0.43	-0.45	-0.47
	TB-450 - C2	N	21.757	21.757	21.757
		Vy	-0.140	-0.140	-0.140
		Vz	-44.250	-44.250	-44.250
		Mt	0.04	0.04	0.04
		My	-25.76	-20.23	-14.70
		Mz	0.35	0.36	0.38
	TB-450 - D1	N	28.992	28.992	28.992
		Vy	0.087	0.087	0.087
		Vz	-63.095	-63.095	-63.095
		Mt	0.03	0.03	0.03
		My	-36.86	-28.98	-21.09
		Mz	-0.23	-0.24	-0.25
	TB-450 - D2	N	13.068	13.068	13.068
		Vy	-0.074	-0.074	-0.074
		Vz	-26.673	-26.673	-26.673
		Mt	0.03	0.03	0.03
		My	-15.56	-12.23	-8.89
		Mz	0.19	0.20	0.20
	TB-450 - E1	N	9.730	9.730	9.730
		Vy	0.060	0.060	0.060
		Vz	-21.418	-21.418	-21.418
		Mt	-0.02	-0.02	-0.02
		My	-12.57	-9.89	-7.22
		Mz	-0.13	-0.14	-0.15
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N105/N156	Peso próprio	N	85.454	85.495	85.537
		Vy	0.003	0.003	0.003
		Vz	-144.438	-144.147	-143.857
		Mt	0.01	0.01	0.01
		My	-38.40	-20.36	-2.36
		Mz	0.02	0.02	0.02
	LAJE	N	206.341	206.341	206.341
		Vy	-0.150	-0.150	-0.150
		Vz	-318.606	-318.606	-318.606
		Mt	-0.13	-0.13	-0.13
		My	-85.50	-45.67	-5.85
		Mz	-0.26	-0.24	-0.22
	PAVIMENTAÇÃO	N	112.608	112.608	112.608

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	-0.084	-0.084	-0.084
		Vz	-173.853	-173.853	-173.853
		Mt	-0.07	-0.07	-0.07
		My	-46.65	-24.92	-3.19
		Mz	-0.14	-0.13	-0.12
	RECAPEAMENTO	N	51.186	51.186	51.186
		Vy	-0.038	-0.038	-0.038
		Vz	-79.024	-79.024	-79.024
		Mt	-0.03	-0.03	-0.03
		My	-21.21	-11.33	-1.45
		Mz	-0.07	-0.06	-0.06
	GUARDA-RODAS	N	27.735	27.735	27.735
		Vy	-0.012	-0.012	-0.012
		Vz	-42.900	-42.900	-42.900
		Mt	-0.01	-0.01	-0.01
		My	-11.51	-6.15	-0.79
		Mz	-0.02	-0.02	-0.02
	Vento 0	N	13.103	13.103	13.103
		Vy	-14.966	-15.154	-15.341
		Vz	-2.203	-2.203	-2.203
		Mt	0.40	0.40	0.40
		My	0.40	0.67	0.95
		Mz	-55.33	-53.45	-51.55
	Vento 180	N	-31.838	-31.838	-31.838
		Vy	17.425	17.425	17.425
		Vz	0.622	0.622	0.622
		Mt	-0.97	-0.97	-0.97
		My	-0.74	-0.82	-0.90
		Mz	52.14	49.96	47.79
	Multidão - Passeio	N	35.922	35.922	35.922
		Vy	-0.003	-0.003	-0.003
		Vz	-55.682	-55.682	-55.682
		Mt	0.00	0.00	0.00
		My	-14.95	-7.99	-1.03
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	117.813	117.813	117.813
		Vy	-0.119	-0.119	-0.119
		Vz	-181.603	-181.603	-181.603
		Mt	-0.10	-0.10	-0.10
		My	-48.72	-26.02	-3.32
		Mz	-0.21	-0.19	-0.18
	TB-450 - A1	N	65.333	65.333	65.333
		Vy	0.054	0.054	0.054
		Vz	-11.862	-11.862	-11.862
		Mt	-0.05	-0.05	-0.05
		My	15.11	16.59	18.08
		Mz	-0.07	-0.08	-0.08
	TB-450 - A2	N	27.380	27.380	27.380
		Vy	-0.139	-0.139	-0.139

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-5.061	-5.061	-5.061
		Mt	-0.04	-0.04	-0.04
		My	6.35	6.99	7.62
		Mz	-0.08	-0.06	-0.04
	TB-450 - B1	N	66.510	66.510	66.510
		Vy	-0.206	-0.206	-0.206
		Vz	-143.400	-143.400	-143.400
		Mt	-0.03	-0.03	-0.03
		My	-44.30	-26.37	-8.45
		Mz	-0.48	-0.45	-0.43
	TB-450 - B2	N	29.512	29.512	29.512
		Vy	0.112	0.112	0.112
		Vz	-60.564	-60.564	-60.564
		Mt	-0.04	-0.04	-0.04
		My	-18.71	-11.14	-3.57
		Mz	0.34	0.32	0.31
	TB-450 - C1	N	47.951	47.951	47.951
		Vy	-0.198	-0.198	-0.198
		Vz	-104.476	-104.476	-104.476
		Mt	-0.02	-0.02	-0.02
		My	-34.84	-21.78	-8.72
		Mz	-0.52	-0.49	-0.47
	TB-450 - C2	N	21.768	21.768	21.768
		Vy	0.095	0.095	0.095
		Vz	-44.094	-44.094	-44.094
		Mt	-0.05	-0.05	-0.05
		My	-14.70	-9.19	-3.68
		Mz	0.32	0.31	0.30
	TB-450 - D1	N	29.001	29.001	29.001
		Vy	-0.111	-0.111	-0.111
		Vz	-62.973	-62.973	-62.973
		Mt	-0.02	-0.02	-0.02
		My	-21.09	-13.22	-5.35
		Mz	-0.29	-0.27	-0.26
	TB-450 - D2	N	13.075	13.075	13.075
		Vy	0.045	0.045	0.045
		Vz	-26.566	-26.566	-26.566
		Mt	-0.03	-0.03	-0.03
		My	-8.90	-5.58	-2.25
		Mz	0.17	0.16	0.15
	TB-450 - E1	N	9.137	9.137	9.137
		Vy	-0.038	-0.038	-0.038
		Vz	-21.486	-21.486	-21.486
		Mt	0.02	0.02	0.02
		My	-7.21	-4.53	-1.84
		Mz	-0.12	-0.12	-0.11
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N156/N108	Peso próprio	N	126.045	126.104	126.163	126.222	126.281	126.340	126.399
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-20.214	-19.802	-19.391	-18.980	-18.568	-18.157	-17.745
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-32.32	-28.78	-25.30	-21.90	-18.58	-15.32	-12.14
		Mz	0.02	0.02	0.03	0.03	0.03	0.03	0.03
	LAJE	N	298.875	298.875	298.875	298.875	298.875	298.875	298.875
		Vy	-0.172	-0.172	-0.172	-0.172	-0.172	-0.172	-0.172
		Vz	-43.466	-43.466	-43.466	-43.466	-43.466	-43.466	-43.466
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-78.05	-70.35	-62.65	-54.94	-47.24	-39.54	-31.83
		Mz	-0.25	-0.22	-0.19	-0.16	-0.13	-0.10	-0.07
	PAVIMENTAÇÃO	N	163.101	163.101	163.101	163.101	163.101	163.101	163.101
		Vy	-0.097	-0.097	-0.097	-0.097	-0.097	-0.097	-0.097
		Vz	-23.718	-23.718	-23.718	-23.718	-23.718	-23.718	-23.718
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-42.59	-38.39	-34.18	-29.98	-25.78	-21.57	-17.37
		Mz	-0.14	-0.13	-0.11	-0.09	-0.07	-0.06	-0.04
	RECAPEAMENTO	N	74.137	74.137	74.137	74.137	74.137	74.137	74.137
		Vy	-0.044	-0.044	-0.044	-0.044	-0.044	-0.044	-0.044
		Vz	-10.781	-10.781	-10.781	-10.781	-10.781	-10.781	-10.781
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-19.36	-17.45	-15.54	-13.63	-11.72	-9.81	-7.90
		Mz	-0.06	-0.06	-0.05	-0.04	-0.03	-0.03	-0.02
	GUARDA-RODAS	N	40.194	40.194	40.194	40.194	40.194	40.194	40.194
		Vy	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014
		Vz	-5.852	-5.852	-5.852	-5.852	-5.852	-5.852	-5.852
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-10.51	-9.47	-8.44	-7.40	-6.36	-5.33	-4.29
		Mz	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01
	Vento 0	N	13.973	13.973	13.973	13.973	13.973	13.973	13.973
		Vy	-17.954	-18.220	-18.485	-18.751	-19.017	-19.283	-19.549
		Vz	0.234	0.234	0.234	0.234	0.234	0.234	0.234
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	0.12	0.08	0.04	0.00	-0.04	-0.08	-0.12
		Mz	-51.19	-47.99	-44.74	-41.44	-38.09	-34.70	-31.26
	Vento 180	N	-32.184	-32.184	-32.184	-32.184	-32.184	-32.184	-32.184
		Vy	17.378	17.378	17.378	17.378	17.378	17.378	17.378
		Vz	-0.283	-0.283	-0.283	-0.283	-0.283	-0.283	-0.283
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	-0.50	-0.45	-0.40	-0.35	-0.30	-0.25	-0.20
		Mz	47.49	44.41	41.33	38.25	35.17	32.09	29.01

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
	Multidão - Passeio	N	52.095	52.095	52.095	52.095	52.095	52.095	52.095
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-7.594	-7.594	-7.594	-7.594	-7.594	-7.594	-7.594
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-13.65	-12.30	-10.96	-9.61	-8.26	-6.92	-5.57
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	170.556	170.556	170.556	170.556	170.556	170.556	170.556
		Vy	-0.137	-0.137	-0.137	-0.137	-0.137	-0.137	-0.137
		Vz	-24.778	-24.778	-24.778	-24.778	-24.778	-24.778	-24.778
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-44.48	-40.09	-35.70	-31.31	-26.92	-22.52	-18.13
		Mz	-0.20	-0.18	-0.15	-0.13	-0.11	-0.08	-0.06
	TB-450 - A1	N	69.570	69.570	69.570	69.570	69.570	69.570	69.570
		Vy	0.044	0.044	0.044	0.044	0.044	0.044	0.044
		Vz	-3.669	-3.669	-3.669	-3.669	-3.669	-3.669	-3.669
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	10.90	11.55	12.20	12.85	13.50	14.15	14.80
		Mz	-0.10	-0.10	-0.11	-0.12	-0.13	-0.13	-0.14
	TB-450 - A2	N	29.180	29.180	29.180	29.180	29.180	29.180	29.180
		Vy	-0.145	-0.145	-0.145	-0.145	-0.145	-0.145	-0.145
		Vz	-1.567	-1.567	-1.567	-1.567	-1.567	-1.567	-1.567
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.58	4.86	5.14	5.42	5.69	5.97	6.25
		Mz	-0.05	-0.03	0.00	0.02	0.05	0.07	0.10
	TB-450 - B1	N	106.173	106.173	106.173	106.173	106.173	106.173	106.173
		Vy	-0.211	-0.211	-0.211	-0.211	-0.211	-0.211	-0.211
		Vz	-23.753	-23.753	-23.753	-23.753	-23.753	-23.753	-23.753
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-38.01	-33.80	-29.59	-25.38	-21.17	-16.96	-12.75
		Mz	-0.44	-0.40	-0.36	-0.32	-0.29	-0.25	-0.21
	TB-450 - B2	N	46.258	46.258	46.258	46.258	46.258	46.258	46.258
		Vy	0.106	0.106	0.106	0.106	0.106	0.106	0.106
		Vz	-10.042	-10.042	-10.042	-10.042	-10.042	-10.042	-10.042
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-16.05	-14.27	-12.49	-10.71	-8.93	-7.15	-5.37
		Mz	0.29	0.28	0.26	0.24	0.22	0.20	0.18
	TB-450 - C1	N	78.924	78.924	78.924	78.924	78.924	78.924	78.924
		Vy	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202
		Vz	-10.903	-10.903	-10.903	-10.903	-10.903	-10.903	-10.903
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-31.53	-29.60	-27.66	-25.73	-23.80	-21.87	-19.94
		Mz	-0.47	-0.44	-0.40	-0.36	-0.33	-0.29	-0.26
	TB-450 - C2	N	34.836	34.836	34.836	34.836	34.836	34.836	34.836
		Vy	0.088	0.088	0.088	0.088	0.088	0.088	0.088
		Vz	-4.612	-4.612	-4.612	-4.612	-4.612	-4.612	-4.612
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-13.30	-12.48	-11.66	-10.85	-10.03	-9.21	-8.39
		Mz	0.28	0.27	0.25	0.24	0.22	0.21	0.19
	TB-450 - D1	N	47.721	47.721	47.721	47.721	47.721	47.721	47.721

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Vy	-0.114	-0.114	-0.114	-0.114	-0.114	-0.114	-0.114
		Vz	-6.418	-6.418	-6.418	-6.418	-6.418	-6.418	-6.418
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-19.13	-18.00	-16.86	-15.72	-14.59	-13.45	-12.31
		Mz	-0.26	-0.24	-0.22	-0.20	-0.18	-0.16	-0.14
	TB-450 - D2	N	20.970	20.970	20.970	20.970	20.970	20.970	20.970
		Vy	0.040	0.040	0.040	0.040	0.040	0.040	0.040
		Vz	-2.713	-2.713	-2.713	-2.713	-2.713	-2.713	-2.713
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-8.07	-7.59	-7.11	-6.62	-6.14	-5.66	-5.18
		Mz	0.15	0.14	0.13	0.12	0.12	0.11	0.10
	TB-450 - E1	N	15.523	15.523	15.523	15.523	15.523	15.523	15.523
		Vy	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035
		Vz	-2.190	-2.190	-2.190	-2.190	-2.190	-2.190	-2.190
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-6.54	-6.15	-5.77	-5.38	-4.99	-4.60	-4.21
		Mz	-0.11	-0.10	-0.09	-0.09	-0.08	-0.08	-0.07
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N108/N158	Peso próprio	N	126.399	126.458	126.517	126.576	126.635	126.694	126.753
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-17.745	-17.334	-16.923	-16.511	-16.100	-15.689	-15.277
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-12.14	-9.03	-6.00	-3.03	-0.14	2.67	5.42
		Mz	0.03	0.03	0.03	0.03	0.03	0.03	0.03
	LAJE	N	298.875	298.875	298.875	298.875	298.875	298.875	298.875
		Vy	-0.172	-0.172	-0.172	-0.172	-0.172	-0.172	-0.172
		Vz	-43.466	-43.466	-43.466	-43.466	-43.466	-43.466	-43.466
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-31.83	-24.13	-16.43	-8.73	-1.02	6.68	14.38
		Mz	-0.07	-0.04	-0.01	0.02	0.05	0.08	0.11
	PAVIMENTAÇÃO	N	163.101	163.101	163.101	163.101	163.101	163.101	163.101
		Vy	-0.097	-0.097	-0.097	-0.097	-0.097	-0.097	-0.097
		Vz	-23.718	-23.718	-23.718	-23.718	-23.718	-23.718	-23.718
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-17.37	-13.17	-8.96	-4.76	-0.56	3.65	7.85
		Mz	-0.04	-0.02	-0.01	0.01	0.03	0.05	0.06
	RECAPEAMENTO	N	74.137	74.137	74.137	74.137	74.137	74.137	74.137
		Vy	-0.044	-0.044	-0.044	-0.044	-0.044	-0.044	-0.044
		Vz	-10.781	-10.781	-10.781	-10.781	-10.781	-10.781	-10.781
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		My	-7.90	-5.98	-4.07	-2.16	-0.25	1.66	3.57
		Mz	-0.02	-0.01	0.00	0.01	0.01	0.02	0.03
	GUARDA-RODAS	N	40.194	40.194	40.194	40.194	40.194	40.194	40.194
		Vy	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014
		Vz	-5.852	-5.852	-5.852	-5.852	-5.852	-5.852	-5.852
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.29	-3.25	-2.22	-1.18	-0.14	0.90	1.93
		Mz	-0.01	0.00	0.00	0.00	0.00	0.01	0.01
	Vento 0	N	13.973	13.973	13.973	13.973	13.973	13.973	13.973
		Vy	-19.549	-19.550	-19.550	-19.550	-19.550	-19.550	-19.550
		Vz	0.234	0.234	0.234	0.234	0.234	0.234	0.234
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	-0.12	-0.17	-0.21	-0.25	-0.29	-0.33	-0.37
		Mz	-31.26	-27.79	-24.33	-20.86	-17.40	-13.93	-10.47
	Vento 180	N	-32.184	-32.184	-32.184	-32.184	-32.184	-32.184	-32.184
		Vy	17.378	17.378	17.378	17.378	17.378	17.378	17.378
		Vz	-0.283	-0.283	-0.283	-0.283	-0.283	-0.283	-0.283
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	-0.20	-0.15	-0.10	-0.05	0.00	0.05	0.10
		Mz	29.01	25.93	22.85	19.77	16.69	13.61	10.53
	Multidão - Passeio	N	52.095	52.095	52.095	52.095	52.095	52.095	52.095
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-7.594	-7.594	-7.594	-7.594	-7.594	-7.594	-7.594
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.57	-4.23	-2.88	-1.54	-0.19	1.16	2.50
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	170.556	170.556	170.556	170.556	170.556	170.556	170.556
		Vy	-0.137	-0.137	-0.137	-0.137	-0.137	-0.137	-0.137
		Vz	-24.778	-24.778	-24.778	-24.778	-24.778	-24.778	-24.778
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-18.13	-13.74	-9.35	-4.96	-0.57	3.82	8.21
		Mz	-0.06	-0.03	-0.01	0.01	0.04	0.06	0.09
	TB-450 - A1	N	69.570	69.570	69.570	69.570	69.570	69.570	69.570
		Vy	0.044	0.044	0.044	0.044	0.044	0.044	0.044
		Vz	-3.669	-3.669	-3.669	-3.669	-3.669	-3.669	-3.669
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.80	15.45	16.10	16.75	17.40	18.05	18.71
		Mz	-0.14	-0.15	-0.16	-0.17	-0.17	-0.18	-0.19
	TB-450 - A2	N	29.180	29.180	29.180	29.180	29.180	29.180	29.180
		Vy	-0.145	-0.145	-0.145	-0.145	-0.145	-0.145	-0.145
		Vz	-1.567	-1.567	-1.567	-1.567	-1.567	-1.567	-1.567
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.25	6.53	6.81	7.08	7.36	7.64	7.92
		Mz	0.10	0.13	0.15	0.18	0.20	0.23	0.26
	TB-450 - B1	N	106.173	106.173	106.173	106.173	106.173	106.173	106.173
		Vy	-0.211	-0.211	-0.211	-0.211	-0.211	-0.211	-0.211
		Vz	-23.753	-23.753	-23.753	-23.753	-23.753	-23.753	-23.753
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-12.75	-8.54	-4.33	-0.12	4.09	8.30	12.51

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Mz	-0.21	-0.17	-0.14	-0.10	-0.06	-0.02	0.01
	TB-450 - B2	N	46.258	46.258	46.258	46.258	46.258	46.258	46.258
		Vy	0.106	0.106	0.106	0.106	0.106	0.106	0.106
		Vz	-10.042	-10.042	-10.042	-10.042	-10.042	-10.042	-10.042
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.37	-3.59	-1.81	-0.03	1.75	3.53	5.31
		Mz	0.18	0.16	0.15	0.13	0.11	0.09	0.07
	TB-450 - C1	N	78.924	78.924	78.924	78.924	78.924	78.924	78.924
		Vy	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202
		Vz	-10.903	-10.903	-10.903	-10.903	-10.903	-10.903	-10.903
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-19.94	-18.00	-16.07	-14.14	-12.21	-10.27	-8.34
		Mz	-0.26	-0.22	-0.18	-0.15	-0.11	-0.08	-0.04
	TB-450 - C2	N	34.836	34.836	34.836	34.836	34.836	34.836	34.836
		Vy	0.088	0.088	0.088	0.088	0.088	0.088	0.088
		Vz	-4.612	-4.612	-4.612	-4.612	-4.612	-4.612	-4.612
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-8.39	-7.58	-6.76	-5.94	-5.12	-4.31	-3.49
		Mz	0.19	0.18	0.16	0.14	0.13	0.11	0.10
	TB-450 - D1	N	47.721	47.721	47.721	47.721	47.721	47.721	47.721
		Vy	-0.114	-0.114	-0.114	-0.114	-0.114	-0.114	-0.114
		Vz	-6.418	-6.418	-6.418	-6.418	-6.418	-6.418	-6.418
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-12.31	-11.17	-10.04	-8.90	-7.76	-6.62	-5.49
		Mz	-0.14	-0.12	-0.10	-0.08	-0.06	-0.04	-0.02
	TB-450 - D2	N	20.970	20.970	20.970	20.970	20.970	20.970	20.970
		Vy	0.040	0.040	0.040	0.040	0.040	0.040	0.040
		Vz	-2.713	-2.713	-2.713	-2.713	-2.713	-2.713	-2.713
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.18	-4.70	-4.22	-3.74	-3.26	-2.78	-2.30
		Mz	0.10	0.10	0.09	0.08	0.08	0.07	0.06
	TB-450 - E1	N	15.523	15.523	15.523	15.523	15.523	15.523	15.523
		Vy	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035
		Vz	-2.190	-2.190	-2.190	-2.190	-2.190	-2.190	-2.190
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.21	-3.83	-3.44	-3.05	-2.66	-2.27	-1.88
		Mz	-0.07	-0.06	-0.06	-0.05	-0.04	-0.04	-0.03
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N158/N103	Peso próprio	N	134.224	134.266	134.307
		Vy	-0.006	-0.006	-0.006

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-142.877	-142.587	-142.297
		Mt	0.02	0.02	0.02
		My	-20.76	-2.91	14.89
		Mz	0.03	0.03	0.03
	LAJE	N	315.762	315.762	315.762
		Vy	-0.192	-0.192	-0.192
		Vz	-380.800	-380.800	-380.800
		Mt	0.12	0.12	0.12
		My	-47.89	-0.29	47.31
		Mz	0.11	0.14	0.16
	PAVIMENTAÇÃO	N	172.316	172.316	172.316
		Vy	-0.108	-0.108	-0.108
		Vz	-207.791	-207.791	-207.791
		Mt	0.07	0.07	0.07
		My	-26.13	-0.15	25.82
		Mz	0.06	0.08	0.09
	RECAPEAMENTO	N	78.325	78.325	78.325
		Vy	-0.049	-0.049	-0.049
		Vz	-94.450	-94.450	-94.450
		Mt	0.03	0.03	0.03
		My	-11.88	-0.07	11.74
		Mz	0.03	0.03	0.04
	GUARDA-RODAS	N	42.468	42.468	42.468
		Vy	-0.016	-0.016	-0.016
		Vz	-51.270	-51.270	-51.270
		Mt	0.01	0.01	0.01
		My	-6.45	-0.04	6.37
		Mz	0.01	0.01	0.01
	Vento 0	N	14.185	14.185	14.185
		Vy	-22.123	-22.123	-22.123
		Vz	-3.693	-3.693	-3.693
		Mt	0.19	0.19	0.19
		My	-1.16	-0.70	-0.23
		Mz	-10.46	-7.69	-4.93
	Vento 180	N	-32.288	-32.288	-32.288
		Vy	17.400	17.400	17.400
		Vz	1.465	1.465	1.465
		Mt	-0.16	-0.16	-0.16
		My	0.48	0.29	0.11
		Mz	10.53	8.35	6.18
	Multidão - Passeio	N	55.046	55.046	55.046
		Vy	-0.004	-0.004	-0.004
		Vz	-66.542	-66.542	-66.542
		Mt	0.01	0.01	0.01
		My	-8.38	-0.06	8.26
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	180.182	180.182	180.182
		Vy	-0.151	-0.151	-0.151
		Vz	-217.068	-217.068	-217.068

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mt	0.09	0.09	0.09
		My	-27.28	-0.15	26.99
		Mz	0.09	0.11	0.12
	TB-450 - A1	N	70.358	70.358	70.358
		Vy	0.031	0.031	0.031
		Vz	-37.945	-37.945	-37.945
		Mt	0.09	0.09	0.09
		My	16.04	20.78	25.52
		Mz	-0.19	-0.19	-0.20
	TB-450 - A2	N	29.513	29.513	29.513
		Vy	-0.156	-0.156	-0.156
		Vz	-16.067	-16.067	-16.067
		Mt	0.06	0.06	0.06
		My	6.79	8.79	10.80
		Mz	0.25	0.27	0.29
	TB-450 - B1	N	112.869	112.869	112.869
		Vy	-0.219	-0.219	-0.219
		Vz	-160.921	-160.921	-160.921
		Mt	0.05	0.05	0.05
		My	-12.26	7.86	27.97
		Mz	0.01	0.04	0.07
	TB-450 - B2	N	49.085	49.085	49.085
		Vy	0.100	0.100	0.100
		Vz	-67.910	-67.910	-67.910
		Mt	0.03	0.03	0.03
		My	-5.15	3.34	11.83
		Mz	0.07	0.06	0.04
	TB-450 - C1	N	84.857	84.857	84.857
		Vy	-0.202	-0.202	-0.202
		Vz	-117.418	-117.418	-117.418
		Mt	0.00	0.00	0.00
		My	-30.30	-15.62	-0.95
		Mz	-0.04	-0.01	0.01
	TB-450 - C2	N	37.339	37.339	37.339
		Vy	0.087	0.087	0.087
		Vz	-49.508	-49.508	-49.508
		Mt	0.00	0.00	0.00
		My	-12.75	-6.56	-0.38
		Mz	0.10	0.09	0.08
	TB-450 - D1	N	51.323	51.323	51.323
		Vy	-0.114	-0.114	-0.114
		Vz	-71.027	-71.027	-71.027
		Mt	0.00	0.00	0.00
		My	-18.83	-9.95	-1.07
		Mz	-0.02	-0.01	0.01
	TB-450 - D2	N	22.490	22.490	22.490
		Vy	0.040	0.040	0.040
		Vz	-29.940	-29.940	-29.940
		Mt	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		My	-7.92	-4.18	-0.44
		Mz	0.06	0.06	0.05
	TB-450 - E1	N	16.751	16.751	16.751
		Vy	-0.035	-0.035	-0.035
		Vz	-24.219	-24.219	-24.219
		Mt	0.00	0.00	0.00
		My	-6.43	-3.41	-0.38
		Mz	-0.03	-0.03	-0.02
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N103/N157	Peso próprio	N	136.455	136.496	136.538
		Vy	0.069	0.069	0.069
		Vz	-123.768	-123.477	-123.187
		Mt	-0.02	-0.02	-0.02
		My	14.10	29.55	44.97
		Mz	-0.01	-0.02	-0.03
	LAJE	N	332.401	332.401	332.401
		Vy	-0.115	-0.115	-0.115
		Vz	-268.986	-268.986	-268.986
		Mt	-0.12	-0.12	-0.12
		My	42.52	76.14	109.77
		Mz	-0.18	-0.17	-0.16
	PAVIMENTAÇÃO	N	181.408	181.408	181.408
		Vy	-0.064	-0.064	-0.064
		Vz	-146.774	-146.774	-146.774
		Mt	-0.07	-0.07	-0.07
		My	23.20	41.55	59.90
		Mz	-0.10	-0.09	-0.09
	RECAPEAMENTO	N	82.458	82.458	82.458
		Vy	-0.029	-0.029	-0.029
		Vz	-66.716	-66.716	-66.716
		Mt	-0.03	-0.03	-0.03
		My	10.55	18.89	27.23
		Mz	-0.05	-0.04	-0.04
	GUARDA-RODAS	N	44.666	44.666	44.666
		Vy	-0.011	-0.011	-0.011
		Vz	-36.225	-36.225	-36.225
		Mt	-0.01	-0.01	-0.01
		My	5.72	10.25	14.78
		Mz	-0.02	-0.02	-0.02
	Vento 0	N	29.342	29.342	29.342

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	-5.129	-5.317	-5.504
		Vz	-4.333	-4.333	-4.333
		Mt	-0.22	-0.22	-0.22
		My	-0.21	0.33	0.87
		Mz	-5.50	-4.85	-4.17
	Vento 180	N	-40.182	-40.182	-40.182
		Vy	7.471	7.471	7.471
		Vz	2.134	2.134	2.134
		Mt	0.02	0.02	0.02
		My	0.09	-0.18	-0.45
		Mz	6.43	5.49	4.56
	Multidão - Passeio	N	57.877	57.877	57.877
		Vy	-0.006	-0.006	-0.006
		Vz	-47.029	-47.029	-47.029
		Mt	-0.01	-0.01	-0.01
		My	7.42	13.30	19.17
		Mz	-0.01	-0.01	-0.01
	Multidão - TB450	N	189.842	189.842	189.842
		Vy	-0.085	-0.085	-0.085
		Vz	-153.293	-153.293	-153.293
		Mt	-0.09	-0.09	-0.09
		My	24.26	43.42	62.58
		Mz	-0.13	-0.12	-0.11
	TB-450 - A1	N	78.247	78.247	78.247
		Vy	-0.138	-0.138	-0.138
		Vz	22.518	22.518	22.518
		Mt	-0.08	-0.08	-0.08
		My	22.93	20.12	17.30
		Mz	-0.43	-0.41	-0.39
	TB-450 - A2	N	32.446	32.446	32.446
		Vy	-0.052	-0.052	-0.052
		Vz	9.531	9.531	9.531
		Mt	-0.07	-0.07	-0.07
		My	9.71	8.52	7.33
		Mz	0.11	0.12	0.13
	TB-450 - B1	N	122.990	122.990	122.990
		Vy	-0.283	-0.283	-0.283
		Vz	-100.587	-100.587	-100.587
		Mt	-0.04	-0.04	-0.04
		My	25.38	37.96	50.53
		Mz	-0.06	-0.02	0.01
	TB-450 - B2	N	53.754	53.754	53.754
		Vy	0.215	0.215	0.215
		Vz	-42.435	-42.435	-42.435
		Mt	-0.04	-0.04	-0.04
		My	10.74	16.04	21.35
		Mz	-0.05	-0.08	-0.10
	TB-450 - C1	N	86.491	86.491	86.491
		Vy	-0.225	-0.225	-0.225

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-117.397	-117.397	-117.397
		Mt	0.00	0.00	0.00
		My	-0.95	13.73	28.40
		Mz	0.01	0.04	0.06
	TB-450 - C2	N	38.699	38.699	38.699
		Vy	0.256	0.256	0.256
		Vz	-49.496	-49.496	-49.496
		Mt	-0.01	-0.01	-0.01
		My	-0.38	5.81	12.00
		Mz	0.07	0.03	0.00
	TB-450 - D1	N	52.396	52.396	52.396
		Vy	-0.121	-0.121	-0.121
		Vz	-71.014	-71.014	-71.014
		Mt	0.00	0.00	0.00
		My	-1.07	7.80	16.68
		Mz	0.01	0.02	0.04
	TB-450 - D2	N	23.418	23.418	23.418
		Vy	0.145	0.145	0.145
		Vz	-29.932	-29.932	-29.932
		Mt	0.00	0.00	0.00
		My	-0.44	3.30	7.04
		Mz	0.05	0.03	0.01
	TB-450 - E1	N	16.179	16.179	16.179
		Vy	-0.099	-0.099	-0.099
		Vz	-24.218	-24.218	-24.218
		Mt	0.00	0.00	0.00
		My	-0.38	2.65	5.67
		Mz	-0.02	-0.01	0.00
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N157/N107	Peso próprio	N	175.964	176.023	176.082	176.141	176.200	176.259	176.318
		Vy	0.066	0.066	0.066	0.066	0.066	0.066	0.066
		Vz	-6.266	-5.855	-5.443	-5.032	-4.621	-4.209	-3.798
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	12.14	13.21	14.21	15.14	15.99	16.78	17.49
		Mz	-0.03	-0.05	-0.06	-0.07	-0.08	-0.09	-0.10
	LAJE	N	422.451	422.451	422.451	422.451	422.451	422.451	422.451
		Vy	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135
		Vz	-9.626	-9.626	-9.626	-9.626	-9.626	-9.626	-9.626
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	30.58	32.29	33.99	35.70	37.40	39.11	40.82

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Mz	-0.19	-0.16	-0.14	-0.12	-0.09	-0.07	-0.04
	PAVIMENTAÇÃO	N	230.545	230.545	230.545	230.545	230.545	230.545	230.545
		Vy	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075
		Vz	-5.252	-5.252	-5.252	-5.252	-5.252	-5.252	-5.252
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	16.69	17.62	18.55	19.48	20.41	21.34	22.27
		Mz	-0.10	-0.09	-0.08	-0.06	-0.05	-0.04	-0.02
	RECAPEAMENTO	N	104.793	104.793	104.793	104.793	104.793	104.793	104.793
		Vy	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034
		Vz	-2.387	-2.387	-2.387	-2.387	-2.387	-2.387	-2.387
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.59	8.01	8.43	8.85	9.28	9.70	10.12
		Mz	-0.05	-0.04	-0.04	-0.03	-0.02	-0.02	-0.01
	GUARDA-RODAS	N	56.792	56.792	56.792	56.792	56.792	56.792	56.792
		Vy	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		Vz	-1.299	-1.299	-1.299	-1.299	-1.299	-1.299	-1.299
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.11	4.34	4.57	4.80	5.03	5.26	5.49
		Mz	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01
	Vento 0	N	30.760	30.760	30.760	30.760	30.760	30.760	30.760
		Vy	-8.187	-8.453	-8.719	-8.985	-9.250	-9.516	-9.782
		Vz	-0.156	-0.156	-0.156	-0.156	-0.156	-0.156	-0.156
		Mt	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		My	-0.28	-0.25	-0.23	-0.20	-0.17	-0.14	-0.12
		Mz	-4.02	-2.55	-1.02	0.54	2.16	3.82	5.53
	Vento 180	N	-40.859	-40.859	-40.859	-40.859	-40.859	-40.859	-40.859
		Vy	7.483	7.483	7.483	7.483	7.483	7.483	7.483
		Vz	0.122	0.122	0.122	0.122	0.122	0.122	0.122
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	0.09	0.07	0.05	0.03	0.01	-0.01	-0.04
		Mz	4.56	3.23	1.90	0.58	-0.75	-2.07	-3.40
	Multidão - Passeio	N	73.619	73.619	73.619	73.619	73.619	73.619	73.619
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	-1.689	-1.689	-1.689	-1.689	-1.689	-1.689	-1.689
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.33	5.63	5.93	6.23	6.53	6.83	7.13
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	Multidão - TB450	N	241.164	241.164	241.164	241.164	241.164	241.164	241.164
		Vy	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
		Vz	-5.477	-5.477	-5.477	-5.477	-5.477	-5.477	-5.477
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	17.45	18.42	19.39	20.36	21.33	22.30	23.27
		Mz	-0.13	-0.12	-0.10	-0.08	-0.06	-0.05	-0.03
	TB-450 - A1	N	73.485	73.485	73.485	73.485	73.485	73.485	73.485
		Vy	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150
		Vz	6.335	6.335	6.335	6.335	6.335	6.335	6.335
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	19.09	17.97	16.85	15.72	14.60	13.48	12.36
		Mz	-0.41	-0.39	-0.36	-0.33	-0.31	-0.28	-0.25

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
	TB-450 - A2	N	30.432	30.432	30.432	30.432	30.432	30.432	30.432
		Vy	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063
		Vz	2.684	2.684	2.684	2.684	2.684	2.684	2.684
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.08	7.61	7.13	6.66	6.18	5.70	5.23
		Mz	0.11	0.12	0.13	0.14	0.15	0.16	0.17
	TB-450 - B1	N	154.334	154.334	154.334	154.334	154.334	154.334	154.334
		Vy	-0.290	-0.290	-0.290	-0.290	-0.290	-0.290	-0.290
		Vz	-11.292	-11.292	-11.292	-11.292	-11.292	-11.292	-11.292
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	21.70	23.71	25.71	27.71	29.71	31.71	33.71
		Mz	0.00	0.05	0.10	0.15	0.21	0.26	0.31
	TB-450 - B2	N	66.976	66.976	66.976	66.976	66.976	66.976	66.976
		Vy	0.210	0.210	0.210	0.210	0.210	0.210	0.210
		Vz	-4.766	-4.766	-4.766	-4.766	-4.766	-4.766	-4.766
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.19	10.03	10.88	11.72	12.57	13.41	14.26
		Mz	-0.11	-0.15	-0.19	-0.22	-0.26	-0.30	-0.33
	TB-450 - C1	N	125.366	125.366	125.366	125.366	125.366	125.366	125.366
		Vy	-0.225	-0.225	-0.225	-0.225	-0.225	-0.225	-0.225
		Vz	-3.493	-3.493	-3.493	-3.493	-3.493	-3.493	-3.493
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.75	-3.13	-2.52	-1.90	-1.28	-0.66	-0.04
		Mz	0.07	0.11	0.15	0.19	0.23	0.27	0.31
	TB-450 - C2	N	55.091	55.091	55.091	55.091	55.091	55.091	55.091
		Vy	0.255	0.255	0.255	0.255	0.255	0.255	0.255
		Vz	-1.467	-1.467	-1.467	-1.467	-1.467	-1.467	-1.467
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.56	-1.30	-1.04	-0.78	-0.52	-0.26	0.00
		Mz	0.00	-0.05	-0.09	-0.14	-0.18	-0.23	-0.27
	TB-450 - D1	N	76.154	76.154	76.154	76.154	76.154	76.154	76.154
		Vy	-0.121	-0.121	-0.121	-0.121	-0.121	-0.121	-0.121
		Vz	-1.460	-1.460	-1.460	-1.460	-1.460	-1.460	-1.460
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.00	-2.74	-2.48	-2.22	-1.96	-1.70	-1.44
		Mz	0.04	0.06	0.08	0.10	0.12	0.14	0.16
	TB-450 - D2	N	33.433	33.433	33.433	33.433	33.433	33.433	33.433
		Vy	0.144	0.144	0.144	0.144	0.144	0.144	0.144
		Vz	-0.610	-0.610	-0.610	-0.610	-0.610	-0.610	-0.610
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.25	-1.14	-1.03	-0.93	-0.82	-0.71	-0.60
		Mz	0.01	-0.02	-0.04	-0.07	-0.09	-0.12	-0.15
	TB-450 - E1	N	24.283	24.283	24.283	24.283	24.283	24.283	24.283
		Vy	-0.099	-0.099	-0.099	-0.099	-0.099	-0.099	-0.099
		Vz	-0.493	-0.493	-0.493	-0.493	-0.493	-0.493	-0.493
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.04	-0.95	-0.86	-0.78	-0.69	-0.60	-0.51
		Mz	0.00	0.02	0.04	0.06	0.07	0.09	0.11
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N107/N159	Peso próprio	N	176.318	176.377	176.436	176.495	176.554	176.613	176.672
		Vy	0.066	0.066	0.066	0.066	0.066	0.066	0.066
		Vz	-3.798	-3.387	-2.975	-2.564	-2.153	-1.741	-1.330
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	17.49	18.12	18.69	19.18	19.60	19.94	20.21
		Mz	-0.10	-0.12	-0.13	-0.14	-0.15	-0.16	-0.18
	LAJE	N	422.451	422.451	422.451	422.451	422.451	422.451	422.451
		Vy	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135
		Vz	-9.626	-9.626	-9.626	-9.626	-9.626	-9.626	-9.626
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	40.82	42.52	44.23	45.93	47.64	49.35	51.05
		Mz	-0.04	-0.02	0.00	0.03	0.05	0.08	0.10
	PAVIMENTAÇÃO	N	230.545	230.545	230.545	230.545	230.545	230.545	230.545
		Vy	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075
		Vz	-5.252	-5.252	-5.252	-5.252	-5.252	-5.252	-5.252
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	22.27	23.20	24.13	25.06	26.00	26.93	27.86
		Mz	-0.02	-0.01	0.00	0.02	0.03	0.04	0.06
	RECAPEAMENTO	N	104.793	104.793	104.793	104.793	104.793	104.793	104.793
		Vy	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034
		Vz	-2.387	-2.387	-2.387	-2.387	-2.387	-2.387	-2.387
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	10.12	10.55	10.97	11.39	11.82	12.24	12.66
		Mz	-0.01	0.00	0.00	0.01	0.01	0.02	0.03
	GUARDA-RODAS	N	56.792	56.792	56.792	56.792	56.792	56.792	56.792
		Vy	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		Vz	-1.299	-1.299	-1.299	-1.299	-1.299	-1.299	-1.299
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.49	5.72	5.95	6.18	6.41	6.64	6.87
		Mz	-0.01	0.00	0.00	0.00	0.00	0.01	0.01
	Vento 0	N	30.760	30.760	30.760	30.760	30.760	30.760	30.760
		Vy	-9.781	-9.781	-9.781	-9.781	-9.781	-9.781	-9.781
		Vz	-0.156	-0.156	-0.156	-0.156	-0.156	-0.156	-0.156
		Mt	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		My	-0.12	-0.09	-0.06	-0.03	-0.01	0.02	0.05
		Mz	5.53	7.27	9.00	10.73	12.47	14.20	15.93
	Vento 180	N	-40.859	-40.859	-40.859	-40.859	-40.859	-40.859	-40.859
		Vy	7.483	7.483	7.483	7.483	7.483	7.483	7.483
		Vz	0.122	0.122	0.122	0.122	0.122	0.122	0.122
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		My	-0.04	-0.06	-0.08	-0.10	-0.12	-0.14	-0.17
		Mz	-3.40	-4.73	-6.05	-7.38	-8.71	-10.03	-11.36
	Multidão - Passeio	N	73.619	73.619	73.619	73.619	73.619	73.619	73.619
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	-1.689	-1.689	-1.689	-1.689	-1.689	-1.689	-1.689
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.13	7.43	7.73	8.03	8.33	8.63	8.92
		Mz	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	241.164	241.164	241.164	241.164	241.164	241.164	241.164
		Vy	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
		Vz	-5.477	-5.477	-5.477	-5.477	-5.477	-5.477	-5.477
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	23.27	24.24	25.21	26.18	27.15	28.13	29.10
		Mz	-0.03	-0.01	0.01	0.02	0.04	0.06	0.08
	TB-450 - A1	N	73.485	73.485	73.485	73.485	73.485	73.485	73.485
		Vy	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150	-0.150
		Vz	6.335	6.335	6.335	6.335	6.335	6.335	6.335
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	12.36	11.23	10.11	8.99	7.86	6.74	5.62
		Mz	-0.25	-0.23	-0.20	-0.17	-0.15	-0.12	-0.09
	TB-450 - A2	N	30.432	30.432	30.432	30.432	30.432	30.432	30.432
		Vy	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063
		Vz	2.684	2.684	2.684	2.684	2.684	2.684	2.684
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.23	4.75	4.28	3.80	3.33	2.85	2.37
		Mz	0.17	0.19	0.20	0.21	0.22	0.23	0.24
	TB-450 - B1	N	154.334	154.334	154.334	154.334	154.334	154.334	154.334
		Vy	-0.290	-0.290	-0.290	-0.290	-0.290	-0.290	-0.290
		Vz	-11.292	-11.292	-11.292	-11.292	-11.292	-11.292	-11.292
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	33.71	35.71	37.71	39.71	41.71	43.72	45.72
		Mz	0.31	0.36	0.41	0.46	0.51	0.57	0.62
	TB-450 - B2	N	66.976	66.976	66.976	66.976	66.976	66.976	66.976
		Vy	0.210	0.210	0.210	0.210	0.210	0.210	0.210
		Vz	-4.766	-4.766	-4.766	-4.766	-4.766	-4.766	-4.766
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.26	15.10	15.94	16.79	17.63	18.48	19.32
		Mz	-0.33	-0.37	-0.41	-0.45	-0.48	-0.52	-0.56
	TB-450 - C1	N	125.366	125.366	125.366	125.366	125.366	125.366	125.366
		Vy	-0.225	-0.225	-0.225	-0.225	-0.225	-0.225	-0.225
		Vz	-3.493	-3.493	-3.493	-3.493	-3.493	-3.493	-3.493
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.04	0.58	1.20	1.82	2.44	3.06	3.67
		Mz	0.31	0.35	0.39	0.42	0.46	0.50	0.54
	TB-450 - C2	N	55.091	55.091	55.091	55.091	55.091	55.091	55.091
		Vy	0.255	0.255	0.255	0.255	0.255	0.255	0.255
		Vz	-1.467	-1.467	-1.467	-1.467	-1.467	-1.467	-1.467
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.26	0.52	0.78	1.04	1.30	1.56

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Mz	-0.27	-0.32	-0.36	-0.41	-0.45	-0.50	-0.54
	TB-450 - D1	N	76.154	76.154	76.154	76.154	76.154	76.154	76.154
		Vy	-0.121	-0.121	-0.121	-0.121	-0.121	-0.121	-0.121
		Vz	-1.460	-1.460	-1.460	-1.460	-1.460	-1.460	-1.460
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.44	-1.19	-0.93	-0.67	-0.41	-0.15	0.11
		Mz	0.16	0.19	0.21	0.23	0.25	0.27	0.29
	TB-450 - D2	N	33.433	33.433	33.433	33.433	33.433	33.433	33.433
		Vy	0.144	0.144	0.144	0.144	0.144	0.144	0.144
		Vz	-0.610	-0.610	-0.610	-0.610	-0.610	-0.610	-0.610
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.60	-0.49	-0.39	-0.28	-0.17	-0.06	0.05
		Mz	-0.15	-0.17	-0.20	-0.22	-0.25	-0.27	-0.30
	TB-450 - E1	N	24.283	24.283	24.283	24.283	24.283	24.283	24.283
		Vy	-0.099	-0.099	-0.099	-0.099	-0.099	-0.099	-0.099
		Vz	-0.493	-0.493	-0.493	-0.493	-0.493	-0.493	-0.493
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.51	-0.43	-0.34	-0.25	-0.16	-0.08	0.01
		Mz	0.11	0.13	0.14	0.16	0.18	0.20	0.21
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N159/N104	Peso próprio	N	183.039	183.081	183.123
		Vy	0.065	0.065	0.065
		Vz	-103.635	-103.345	-103.054
		Mt	0.01	0.01	0.01
		My	-1.19	11.74	24.64
		Mz	-0.18	-0.18	-0.19
	LAJE	N	436.596	436.596	436.596
		Vy	-0.134	-0.134	-0.134
		Vz	-283.299	-283.299	-283.299
		Mt	0.00	0.00	0.00
		My	0.62	36.04	71.45
		Mz	0.10	0.12	0.13
	PAVIMENTAÇÃO	N	238.263	238.263	238.263
		Vy	-0.075	-0.075	-0.075
		Vz	-154.585	-154.585	-154.585
		Mt	0.00	0.00	0.00
		My	0.34	19.66	38.99
		Mz	0.06	0.07	0.07
	RECAPEAMENTO	N	108.301	108.301	108.301
		Vy	-0.034	-0.034	-0.034

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-70.266	-70.266	-70.266
		Mt	0.00	0.00	0.00
		My	0.15	8.94	17.72
		Mz	0.03	0.03	0.03
	GUARDA-RODAS	N	58.697	58.697	58.697
		Vy	-0.013	-0.013	-0.013
		Vz	-38.153	-38.153	-38.153
		Mt	0.00	0.00	0.00
		My	0.08	4.85	9.62
		Mz	0.01	0.01	0.01
	Vento 0	N	31.044	31.044	31.044
		Vy	-12.372	-12.372	-12.372
		Vz	-4.373	-4.373	-4.373
		Mt	0.31	0.31	0.31
		My	-0.96	-0.42	0.13
		Mz	15.95	17.50	19.05
	Vento 180	N	-41.005	-41.005	-41.005
		Vy	7.514	7.514	7.514
		Vz	2.026	2.026	2.026
		Mt	-0.24	-0.24	-0.24
		My	0.35	0.10	-0.15
		Mz	-11.37	-12.31	-13.25
	Multidão - Passeio	N	76.091	76.091	76.091
		Vy	-0.008	-0.008	-0.008
		Vz	-49.532	-49.532	-49.532
		Mt	0.00	0.00	0.00
		My	0.11	6.30	12.49
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	249.227	249.227	249.227
		Vy	-0.099	-0.099	-0.099
		Vz	-161.450	-161.450	-161.450
		Mt	0.00	0.00	0.00
		My	0.35	20.53	40.71
		Mz	0.08	0.09	0.10
	TB-450 - A1	N	72.500	72.500	72.500
		Vy	-0.153	-0.153	-0.153
		Vz	22.908	22.908	22.908
		Mt	0.02	0.02	0.02
		My	9.43	6.57	3.71
		Mz	-0.09	-0.07	-0.06
	TB-450 - A2	N	30.015	30.015	30.015
		Vy	-0.065	-0.065	-0.065
		Vz	9.694	9.694	9.694
		Mt	0.01	0.01	0.01
		My	3.99	2.78	1.57
		Mz	0.24	0.25	0.26
	TB-450 - B1	N	158.070	158.070	158.070
		Vy	-0.295	-0.295	-0.295
		Vz	-109.667	-109.667	-109.667

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mt	0.03	0.03	0.03
		My	32.48	46.19	59.90
		Mz	0.62	0.65	0.69
	TB-450 - B2	N	68.552	68.552	68.552
		Vy	0.209	0.209	0.209
		Vz	-46.257	-46.257	-46.257
		Mt	0.00	0.00	0.00
		My	13.74	19.52	25.30
		Mz	-0.56	-0.58	-0.61
	TB-450 - C1	N	132.173	132.173	132.173
		Vy	-0.222	-0.222	-0.222
		Vz	-119.769	-119.769	-119.769
		Mt	-0.02	-0.02	-0.02
		My	-20.77	-5.80	9.17
		Mz	0.55	0.57	0.60
	TB-450 - C2	N	57.963	57.963	57.963
		Vy	0.260	0.260	0.260
		Vz	-50.480	-50.480	-50.480
		Mt	-0.04	-0.04	-0.04
		My	-8.75	-2.44	3.86
		Mz	-0.54	-0.58	-0.61
	TB-450 - D1	N	80.426	80.426	80.426
		Vy	-0.119	-0.119	-0.119
		Vz	-74.296	-74.296	-74.296
		Mt	-0.01	-0.01	-0.01
		My	-15.28	-5.99	3.30
		Mz	0.29	0.31	0.32
	TB-450 - D2	N	35.235	35.235	35.235
		Vy	0.148	0.148	0.148
		Vz	-31.307	-31.307	-31.307
		Mt	-0.02	-0.02	-0.02
		My	-6.44	-2.53	1.38
		Mz	-0.30	-0.32	-0.34
	TB-450 - E1	N	25.740	25.740	25.740
		Vy	-0.101	-0.101	-0.101
		Vz	-25.363	-25.363	-25.363
		Mt	0.01	0.01	0.01
		My	-5.24	-2.07	1.10
		Mz	0.21	0.23	0.24
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N104/N160	Peso próprio	N	185.780	185.822	185.863
		Vy	-0.072	-0.072	-0.072
		Vz	-84.482	-84.192	-83.902
		Mt	-0.01	-0.01	-0.01
		My	23.85	34.39	44.89
		Mz	-0.22	-0.21	-0.21
	LAJE	N	455.447	455.447	455.447
		Vy	0.068	0.068	0.068
		Vz	-171.990	-171.990	-171.990
		Mt	0.00	0.00	0.00
		My	66.66	88.16	109.65
		Mz	0.14	0.13	0.12
	PAVIMENTAÇÃO	N	248.593	248.593	248.593
		Vy	0.038	0.038	0.038
		Vz	-93.851	-93.851	-93.851
		Mt	0.00	0.00	0.00
		My	36.37	48.10	59.83
		Mz	0.08	0.07	0.07
	RECAPEAMENTO	N	112.997	112.997	112.997
		Vy	0.017	0.017	0.017
		Vz	-42.660	-42.660	-42.660
		Mt	0.00	0.00	0.00
		My	16.53	21.87	27.20
		Mz	0.04	0.03	0.03
	GUARDA-RODAS	N	61.093	61.093	61.093
		Vy	0.006	0.006	0.006
		Vz	-23.152	-23.152	-23.152
		Mt	0.00	0.00	0.00
		My	8.98	11.87	14.77
		Mz	0.01	0.01	0.01
	Vento 0	N	40.139	40.139	40.139
		Vy	10.810	10.622	10.435
		Vz	-5.364	-5.364	-5.364
		Mt	-0.11	-0.11	-0.11
		My	0.15	0.82	1.49
		Mz	18.47	17.13	15.81
	Vento 180	N	-40.934	-40.934	-40.934
		Vy	-6.657	-6.657	-6.657
		Vz	2.888	2.888	2.888
		Mt	-0.06	-0.06	-0.06
		My	-0.17	-0.54	-0.90
		Mz	-12.99	-12.15	-11.32
	Multidão - Passeio	N	78.932	78.932	78.932
		Vy	0.002	0.002	0.002
		Vz	-30.042	-30.042	-30.042
		Mt	0.00	0.00	0.00
		My	11.66	15.41	19.17
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	260.556	260.556	260.556

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	0.053	0.053	0.053
		Vz	-98.057	-98.057	-98.057
		Mt	0.00	0.00	0.00
		My	37.99	50.24	62.50
		Mz	0.11	0.10	0.10
	TB-450 - A1	N	72.428	72.428	72.428
		Vy	0.013	0.013	0.013
		Vz	22.924	22.924	22.924
		Mt	-0.01	-0.01	-0.01
		My	3.71	0.84	-2.02
		Mz	-0.10	-0.10	-0.10
	TB-450 - A2	N	29.930	29.930	29.930
		Vy	0.039	0.039	0.039
		Vz	9.713	9.713	9.713
		Mt	-0.02	-0.02	-0.02
		My	1.57	0.35	-0.86
		Mz	0.23	0.22	0.22
	TB-450 - B1	N	175.876	175.876	175.876
		Vy	0.136	0.136	0.136
		Vz	10.861	10.861	10.861
		Mt	-0.02	-0.02	-0.02
		My	54.71	53.36	52.00
		Mz	0.62	0.60	0.59
	TB-450 - B2	N	76.187	76.187	76.187
		Vy	-0.149	-0.149	-0.149
		Vz	4.617	4.617	4.617
		Mt	-0.02	-0.02	-0.02
		My	23.12	22.54	21.96
		Mz	-0.64	-0.62	-0.60
	TB-450 - C1	N	133.977	133.977	133.977
		Vy	0.190	0.190	0.190
		Vz	-119.976	-119.976	-119.976
		Mt	0.03	0.03	0.03
		My	9.17	24.17	39.17
		Mz	0.66	0.64	0.62
	TB-450 - C2	N	59.409	59.409	59.409
		Vy	-0.114	-0.114	-0.114
		Vz	-50.647	-50.647	-50.647
		Mt	0.02	0.02	0.02
		My	3.87	10.20	16.53
		Mz	-0.53	-0.52	-0.50
	TB-450 - D1	N	81.604	81.604	81.604
		Vy	0.105	0.105	0.105
		Vz	-74.431	-74.431	-74.431
		Mt	0.02	0.02	0.02
		My	3.30	12.60	21.91
		Mz	0.37	0.35	0.34
	TB-450 - D2	N	36.220	36.220	36.220
		Vy	-0.057	-0.057	-0.057

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-31.421	-31.421	-31.421
		Mt	0.01	0.01	0.01
		My	1.39	5.31	9.24
		Mz	-0.29	-0.28	-0.27
	TB-450 - E1	N	25.745	25.745	25.745
		Vy	0.051	0.051	0.051
		Vz	-25.297	-25.297	-25.297
		Mt	-0.01	-0.01	-0.01
		My	1.10	4.26	7.43
		Mz	0.21	0.20	0.20
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações								
Barra	Hipótese	Esforço	Posições na barra					
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N160/N106	Peso próprio	N	212.510	212.569	212.628	212.687	212.746	212.805	212.864
		Vy	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074
		Vz	-4.429	-4.017	-3.606	-3.195	-2.783	-2.372	-1.961
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	22.31	23.06	23.74	24.34	24.87	25.32	25.71
		Mz	-0.21	-0.20	-0.18	-0.17	-0.16	-0.14	-0.13
	LAJE	N	513.905	513.905	513.905	513.905	513.905	513.905	513.905
		Vy	0.068	0.068	0.068	0.068	0.068	0.068	0.068
		Vz	-5.133	-5.133	-5.133	-5.133	-5.133	-5.133	-5.133
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	55.85	56.76	57.67	58.58	59.49	60.40	61.31
		Mz	0.12	0.11	0.10	0.08	0.07	0.06	0.05
	PAVIMENTAÇÃO	N	280.492	280.492	280.492	280.492	280.492	280.492	280.492
		Vy	0.038	0.038	0.038	0.038	0.038	0.038	0.038
		Vz	-2.802	-2.802	-2.802	-2.802	-2.802	-2.802	-2.802
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	30.48	30.97	31.47	31.97	32.46	32.96	33.46
		Mz	0.07	0.06	0.05	0.05	0.04	0.03	0.03
	RECAPEAMENTO	N	127.496	127.496	127.496	127.496	127.496	127.496	127.496
		Vy	0.017	0.017	0.017	0.017	0.017	0.017	0.017
		Vz	-1.273	-1.273	-1.273	-1.273	-1.273	-1.273	-1.273
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.85	14.08	14.30	14.53	14.76	14.98	15.21
		Mz	0.03	0.03	0.02	0.02	0.02	0.02	0.01
	GUARDA-RODAS	N	68.963	68.963	68.963	68.963	68.963	68.963	68.963
		Vy	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vz	-0.689	-0.689	-0.689	-0.689	-0.689	-0.689	-0.689
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.52	7.64	7.77	7.89	8.01	8.13	8.25

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Mz	0.01	0.01	0.01	0.01	0.01	0.00	0.00
	Vento 0	N	41.700	41.700	41.700	41.700	41.700	41.700	41.700
		Vy	7.754	7.489	7.223	6.957	6.691	6.425	6.158
		Vz	-0.752	-0.752	-0.752	-0.752	-0.752	-0.752	-0.752
		Mt	0.06	0.06	0.06	0.06	0.06	0.06	0.06
		My	0.21	0.34	0.47	0.61	0.74	0.87	1.01
		Mz	16.00	14.65	13.35	12.09	10.88	9.72	8.60
	Vento 180	N	-41.664	-41.664	-41.664	-41.664	-41.664	-41.664	-41.664
		Vy	-6.645	-6.645	-6.645	-6.645	-6.645	-6.645	-6.645
		Vz	0.717	0.717	0.717	0.717	0.717	0.717	0.717
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	-0.29	-0.42	-0.54	-0.67	-0.80	-0.93	-1.05
		Mz	-11.35	-10.17	-9.00	-7.82	-6.64	-5.46	-4.29
	Multidão - Passeio	N	89.146	89.146	89.146	89.146	89.146	89.146	89.146
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-0.891	-0.891	-0.891	-0.891	-0.891	-0.891	-0.891
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.76	9.92	10.08	10.24	10.40	10.55	10.71
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	293.881	293.881	293.881	293.881	293.881	293.881	293.881
		Vy	0.053	0.053	0.053	0.053	0.053	0.053	0.053
		Vz	-2.935	-2.935	-2.935	-2.935	-2.935	-2.935	-2.935
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	31.83	32.35	32.87	33.39	33.91	34.43	34.95
		Mz	0.10	0.09	0.08	0.07	0.06	0.05	0.04
	TB-450 - A1	N	64.692	64.692	64.692	64.692	64.692	64.692	64.692
		Vy	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Vz	0.290	0.290	0.290	0.290	0.290	0.290	0.290
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.26	4.21	4.16	4.11	4.05	4.00	3.95
		Mz	-0.10	-0.10	-0.11	-0.11	-0.11	-0.11	-0.11
	TB-450 - A2	N	26.653	26.653	26.653	26.653	26.653	26.653	26.653
		Vy	0.037	0.037	0.037	0.037	0.037	0.037	0.037
		Vz	0.123	0.123	0.123	0.123	0.123	0.123	0.123
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.80	1.78	1.76	1.74	1.71	1.69	1.67
		Mz	0.21	0.20	0.20	0.19	0.18	0.18	0.17
	TB-450 - B1	N	175.870	175.870	175.870	175.870	175.870	175.870	175.870
		Vy	0.132	0.132	0.132	0.132	0.132	0.132	0.132
		Vz	5.916	5.916	5.916	5.916	5.916	5.916	5.916
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	46.84	45.79	44.75	43.70	42.65	41.60	40.55
		Mz	0.58	0.56	0.54	0.51	0.49	0.47	0.44
	TB-450 - B2	N	76.169	76.169	76.169	76.169	76.169	76.169	76.169
		Vy	-0.151	-0.151	-0.151	-0.151	-0.151	-0.151	-0.151
		Vz	2.483	2.483	2.483	2.483	2.483	2.483	2.483
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	19.80	19.36	18.92	18.48	18.04	17.60	17.16
		Mz	-0.60	-0.58	-0.55	-0.52	-0.50	-0.47	-0.44

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
	TB-450 - C1	N	171.356	171.356	171.356	171.356	171.356	171.356	171.356
		Vy	0.194	0.194	0.194	0.194	0.194	0.194	0.194
		Vz	-10.349	-10.349	-10.349	-10.349	-10.349	-10.349	-10.349
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.80	9.63	11.47	13.30	15.14	16.97	18.80
		Mz	0.63	0.59	0.56	0.52	0.49	0.45	0.42
	TB-450 - C2	N	75.178	75.178	75.178	75.178	75.178	75.178	75.178
		Vy	-0.110	-0.110	-0.110	-0.110	-0.110	-0.110	-0.110
		Vz	-4.395	-4.395	-4.395	-4.395	-4.395	-4.395	-4.395
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.30	4.08	4.86	5.63	6.41	7.19	7.97
		Mz	-0.50	-0.48	-0.46	-0.44	-0.42	-0.40	-0.38
	TB-450 - D1	N	106.625	106.625	106.625	106.625	106.625	106.625	106.625
		Vy	0.107	0.107	0.107	0.107	0.107	0.107	0.107
		Vz	-1.107	-1.107	-1.107	-1.107	-1.107	-1.107	-1.107
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.10	1.29	1.49	1.68	1.88	2.08	2.27
		Mz	0.35	0.33	0.31	0.29	0.27	0.25	0.23
	TB-450 - D2	N	46.777	46.777	46.777	46.777	46.777	46.777	46.777
		Vy	-0.054	-0.054	-0.054	-0.054	-0.054	-0.054	-0.054
		Vz	-0.482	-0.482	-0.482	-0.482	-0.482	-0.482	-0.482
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.46	0.55	0.63	0.72	0.80	0.89	0.97
		Mz	-0.27	-0.26	-0.25	-0.24	-0.23	-0.22	-0.21
	TB-450 - E1	N	34.286	34.286	34.286	34.286	34.286	34.286	34.286
		Vy	0.049	0.049	0.049	0.049	0.049	0.049	0.049
		Vz	-0.274	-0.274	-0.274	-0.274	-0.274	-0.274	-0.274
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.32	0.37	0.42	0.46	0.51	0.56	0.61
		Mz	0.20	0.19	0.18	0.17	0.16	0.15	0.14
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N106/N161	Peso próprio	N	212.864	212.923	212.982	213.041	213.100	213.159	213.218
		Vy	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074
		Vz	-1.961	-1.549	-1.138	-0.727	-0.315	0.096	0.507
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.71	26.02	26.26	26.42	26.52	26.53	26.48
		Mz	-0.13	-0.12	-0.10	-0.09	-0.08	-0.06	-0.05
	LAJE	N	513.905	513.905	513.905	513.905	513.905	513.905	513.905
		Vy	0.068	0.068	0.068	0.068	0.068	0.068	0.068
		Vz	-5.133	-5.133	-5.133	-5.133	-5.133	-5.133	-5.133

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	61.31	62.22	63.13	64.04	64.95	65.86	66.77
		Mz	0.05	0.04	0.02	0.01	0.00	-0.01	-0.02
	PAVIMENTAÇÃO	N	280.492	280.492	280.492	280.492	280.492	280.492	280.492
		Vy	0.038	0.038	0.038	0.038	0.038	0.038	0.038
		Vz	-2.802	-2.802	-2.802	-2.802	-2.802	-2.802	-2.802
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	33.46	33.95	34.45	34.94	35.44	35.94	36.43
		Mz	0.03	0.02	0.01	0.01	0.00	-0.01	-0.01
	RECAPEAMENTO	N	127.496	127.496	127.496	127.496	127.496	127.496	127.496
		Vy	0.017	0.017	0.017	0.017	0.017	0.017	0.017
		Vz	-1.273	-1.273	-1.273	-1.273	-1.273	-1.273	-1.273
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	15.21	15.43	15.66	15.88	16.11	16.34	16.56
		Mz	0.01	0.01	0.01	0.00	0.00	0.00	-0.01
	GUARDA-RODAS	N	68.963	68.963	68.963	68.963	68.963	68.963	68.963
		Vy	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vz	-0.689	-0.689	-0.689	-0.689	-0.689	-0.689	-0.689
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.25	8.38	8.50	8.62	8.74	8.86	8.99
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	41.700	41.700	41.700	41.700	41.700	41.700	41.700
		Vy	6.159	5.894	5.628	5.362	5.096	4.830	4.564
		Vz	-0.752	-0.752	-0.752	-0.752	-0.752	-0.752	-0.752
		Mt	0.06	0.06	0.06	0.06	0.06	0.06	0.06
		My	1.01	1.14	1.27	1.41	1.54	1.67	1.81
		Mz	8.60	7.53	6.51	5.54	4.61	3.73	2.90
	Vento 180	N	-41.664	-41.664	-41.664	-41.664	-41.664	-41.664	-41.664
		Vy	-6.645	-6.645	-6.645	-6.645	-6.645	-6.645	-6.645
		Vz	0.717	0.717	0.717	0.717	0.717	0.717	0.717
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	-1.05	-1.18	-1.31	-1.43	-1.56	-1.69	-1.82
		Mz	-4.29	-3.11	-1.93	-0.75	0.42	1.60	2.78
	Multidão - Passeio	N	89.146	89.146	89.146	89.146	89.146	89.146	89.146
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-0.891	-0.891	-0.891	-0.891	-0.891	-0.891	-0.891
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	10.71	10.87	11.03	11.19	11.34	11.50	11.66
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	293.881	293.881	293.881	293.881	293.881	293.881	293.881
		Vy	0.053	0.053	0.053	0.053	0.053	0.053	0.053
		Vz	-2.935	-2.935	-2.935	-2.935	-2.935	-2.935	-2.935
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	34.95	35.47	35.99	36.51	37.03	37.55	38.07
		Mz	0.04	0.03	0.02	0.01	0.00	-0.01	-0.02
	TB-450 - A1	N	64.692	64.692	64.692	64.692	64.692	64.692	64.692
		Vy	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Vz	0.290	0.290	0.290	0.290	0.290	0.290	0.290
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		My	3.95	3.90	3.85	3.80	3.75	3.69	3.64
		Mz	-0.11	-0.12	-0.12	-0.12	-0.12	-0.12	-0.13
	TB-450 - A2	N	26.653	26.653	26.653	26.653	26.653	26.653	26.653
		Vy	0.037	0.037	0.037	0.037	0.037	0.037	0.037
		Vz	0.123	0.123	0.123	0.123	0.123	0.123	0.123
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.67	1.65	1.63	1.60	1.58	1.56	1.54
		Mz	0.17	0.16	0.16	0.15	0.14	0.14	0.13
	TB-450 - B1	N	175.870	175.870	175.870	175.870	175.870	175.870	175.870
		Vy	0.132	0.132	0.132	0.132	0.132	0.132	0.132
		Vz	5.916	5.916	5.916	5.916	5.916	5.916	5.916
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	40.55	39.50	38.45	37.41	36.36	35.31	34.26
		Mz	0.44	0.42	0.40	0.37	0.35	0.33	0.30
	TB-450 - B2	N	76.169	76.169	76.169	76.169	76.169	76.169	76.169
		Vy	-0.151	-0.151	-0.151	-0.151	-0.151	-0.151	-0.151
		Vz	2.483	2.483	2.483	2.483	2.483	2.483	2.483
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	17.16	16.72	16.28	15.84	15.40	14.96	14.52
		Mz	-0.44	-0.42	-0.39	-0.36	-0.33	-0.31	-0.28
	TB-450 - C1	N	171.356	171.356	171.356	171.356	171.356	171.356	171.356
		Vy	0.194	0.194	0.194	0.194	0.194	0.194	0.194
		Vz	-10.349	-10.349	-10.349	-10.349	-10.349	-10.349	-10.349
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	18.80	20.64	22.47	24.31	26.14	27.98	29.81
		Mz	0.42	0.39	0.35	0.32	0.28	0.25	0.21
	TB-450 - C2	N	75.178	75.178	75.178	75.178	75.178	75.178	75.178
		Vy	-0.110	-0.110	-0.110	-0.110	-0.110	-0.110	-0.110
		Vz	-4.395	-4.395	-4.395	-4.395	-4.395	-4.395	-4.395
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.97	8.75	9.53	10.31	11.09	11.87	12.64
		Mz	-0.38	-0.36	-0.34	-0.32	-0.30	-0.28	-0.27
	TB-450 - D1	N	106.625	106.625	106.625	106.625	106.625	106.625	106.625
		Vy	0.107	0.107	0.107	0.107	0.107	0.107	0.107
		Vz	-1.107	-1.107	-1.107	-1.107	-1.107	-1.107	-1.107
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.27	2.47	2.66	2.86	3.06	3.25	3.45
		Mz	0.23	0.21	0.19	0.17	0.15	0.14	0.12
	TB-450 - D2	N	46.777	46.777	46.777	46.777	46.777	46.777	46.777
		Vy	-0.054	-0.054	-0.054	-0.054	-0.054	-0.054	-0.054
		Vz	-0.482	-0.482	-0.482	-0.482	-0.482	-0.482	-0.482
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.97	1.06	1.15	1.23	1.32	1.40	1.49
		Mz	-0.21	-0.20	-0.19	-0.18	-0.17	-0.16	-0.15
	TB-450 - E1	N	34.286	34.286	34.286	34.286	34.286	34.286	34.286
		Vy	0.049	0.049	0.049	0.049	0.049	0.049	0.049
		Vz	-0.274	-0.274	-0.274	-0.274	-0.274	-0.274	-0.274
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.61	0.66	0.71	0.76	0.80	0.85	0.90

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Mz	0.14	0.13	0.13	0.12	0.11	0.10	0.09
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N161/N23	Peso próprio	N	216.863	216.905	216.946
		Vy	-0.074	-0.074	-0.074
		Vz	-60.966	-60.676	-60.386
		Mt	0.00	0.00	0.00
		My	14.81	22.41	29.98
		Mz	-0.05	-0.04	-0.03
	LAJE	N	521.294	521.294	521.294
		Vy	0.069	0.069	0.069
		Vz	-176.977	-176.977	-176.977
		Mt	-0.01	-0.01	-0.01
		My	40.51	62.63	84.75
		Mz	-0.02	-0.03	-0.04
	PAVIMENTAÇÃO	N	284.524	284.524	284.524
		Vy	0.038	0.038	0.038
		Vz	-96.572	-96.572	-96.572
		Mt	0.00	0.00	0.00
		My	22.10	34.18	46.25
		Mz	-0.01	-0.02	-0.02
	RECAPEAMENTO	N	129.329	129.329	129.329
		Vy	0.017	0.017	0.017
		Vz	-43.896	-43.896	-43.896
		Mt	0.00	0.00	0.00
		My	10.05	15.53	21.02
		Mz	-0.01	-0.01	-0.01
	GUARDA-RODAS	N	69.958	69.958	69.958
		Vy	0.006	0.006	0.006
		Vz	-23.825	-23.825	-23.825
		Mt	0.00	0.00	0.00
		My	5.45	8.43	11.41
		Mz	0.00	0.00	0.00
	Vento 0	N	41.929	41.929	41.929
		Vy	1.985	1.797	1.612
		Vz	-5.340	-5.340	-5.340
		Mt	0.32	0.32	0.32
		My	0.99	1.66	2.33
		Mz	2.94	2.70	2.49
	Vento 180	N	-41.749	-41.749	-41.749
		Vy	-6.685	-6.685	-6.685

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	2.866	2.866	2.866
		Mt	0.14	0.14	0.14
		My	-1.52	-1.88	-2.24
		Mz	2.75	3.59	4.42
	Multidão - Passeio	N	90.437	90.437	90.437
		Vy	0.002	0.002	0.002
		Vz	-30.916	-30.916	-30.916
		Mt	0.00	0.00	0.00
		My	7.07	10.94	14.80
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	298.093	298.093	298.093
		Vy	0.054	0.054	0.054
		Vz	-100.897	-100.897	-100.897
		Mt	0.00	0.00	0.00
		My	23.10	35.71	48.32
		Mz	-0.02	-0.02	-0.03
	TB-450 - A1	N	63.173	63.173	63.173
		Vy	0.012	0.012	0.012
		Vz	24.755	24.755	24.755
		Mt	0.00	0.00	0.00
		My	9.11	6.01	2.92
		Mz	-0.13	-0.13	-0.13
	TB-450 - A2	N	26.009	26.009	26.009
		Vy	0.036	0.036	0.036
		Vz	10.487	10.487	10.487
		Mt	0.00	0.00	0.00
		My	3.85	2.54	1.23
		Mz	0.13	0.13	0.12
	TB-450 - B1	N	174.503	174.503	174.503
		Vy	0.129	0.129	0.129
		Vz	6.419	6.419	6.419
		Mt	0.02	0.02	0.02
		My	39.61	38.81	38.01
		Mz	0.30	0.29	0.27
	TB-450 - B2	N	75.589	75.589	75.589
		Vy	-0.148	-0.148	-0.148
		Vz	2.740	2.740	2.740
		Mt	-0.02	-0.02	-0.02
		My	16.79	16.44	16.10
		Mz	-0.28	-0.26	-0.25
	TB-450 - C1	N	176.538	176.538	176.538
		Vy	0.192	0.192	0.192
		Vz	-120.098	-120.098	-120.098
		Mt	0.02	0.02	0.02
		My	11.16	26.17	41.18
		Mz	0.21	0.19	0.17
	TB-450 - C2	N	77.364	77.364	77.364
		Vy	-0.107	-0.107	-0.107
		Vz	-50.699	-50.699	-50.699

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mt	-0.02	-0.02	-0.02
		My	4.78	11.11	17.45
		Mz	-0.27	-0.25	-0.24
	TB-450 - D1	N	110.863	110.863	110.863
		Vy	0.106	0.106	0.106
		Vz	-76.291	-76.291	-76.291
		Mt	0.01	0.01	0.01
		My	-11.85	-2.31	7.22
		Mz	0.12	0.10	0.09
	TB-450 - D2	N	48.565	48.565	48.565
		Vy	-0.053	-0.053	-0.053
		Vz	-32.206	-32.206	-32.206
		Mt	-0.01	-0.01	-0.01
		My	-4.97	-0.94	3.08
		Mz	-0.15	-0.15	-0.14
	TB-450 - E1	N	35.743	35.743	35.743
		Vy	0.048	0.048	0.048
		Vz	-26.088	-26.088	-26.088
		Mt	0.01	0.01	0.01
		My	-4.36	-1.10	2.16
		Mz	0.09	0.09	0.08
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.198 m	0.594 m	0.792 m	1.188 m	1.584 m	1.782 m	2.179 m	2.377 m
N1/N175	Peso próprio	N	69.048	69.114	69.245	69.311	69.443	69.575	69.641	69.773	69.839
		Vy	-0.132	-0.132	-0.132	-0.132	-0.132	-0.132	-0.132	-0.132	-0.132
		Vz	2.990	3.450	4.369	4.829	5.748	6.668	7.128	8.047	8.507
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.64	-2.19	-3.10	-5.19	-7.65	-9.02	-12.02	-13.66
		Mz	0.00	0.03	0.08	0.10	0.16	0.21	0.24	0.29	0.31
	LAJE	N	148.001	148.001	148.001	148.001	148.001	148.001	148.001	148.001	148.001
		Vy	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046
		Vz	13.670	13.670	13.670	13.670	13.670	13.670	13.670	13.670	13.670
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-2.71	-8.12	-10.83	-16.24	-21.66	-24.37	-29.78	-32.49
		Mz	0.00	0.01	0.03	0.04	0.05	0.07	0.08	0.10	0.11
	PAVIMENTAÇÃO	N	80.761	80.761	80.761	80.761	80.761	80.761	80.761	80.761	80.761
		Vy	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026
		Vz	7.459	7.459	7.459	7.459	7.459	7.459	7.459	7.459	7.459
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-1.48	-4.43	-5.91	-8.86	-11.82	-13.30	-16.25	-17.73
		Mz	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.06
	RECAPEAMENTO	N	36.709	36.709	36.709	36.709	36.709	36.709	36.709	36.709	36.709
		Vy	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.198 m	0.594 m	0.792 m	1.188 m	1.584 m	1.782 m	2.179 m	2.377 m
		Vz	3.391	3.391	3.391	3.391	3.391	3.391	3.391	3.391	3.391
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.67	-2.01	-2.69	-4.03	-5.37	-6.04	-7.39	-8.06
		Mz	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.03
	GUARDA-RODAS	N	19.924	19.924	19.924	19.924	19.924	19.924	19.924	19.924	19.924
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	1.841	1.841	1.841	1.841	1.841	1.841	1.841	1.841	1.841
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.36	-1.09	-1.46	-2.19	-2.92	-3.28	-4.01	-4.38
		Mz	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
	Vento 0	N	-12.602	-12.602	-12.602	-12.602	-12.602	-12.602	-12.602	-12.602	-12.602
		Vy	22.046	22.046	22.046	22.046	22.046	22.046	22.046	22.046	22.046
		Vz	0.616	0.616	0.616	0.616	0.616	0.616	0.616	0.616	0.616
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.12	-0.37	-0.49	-0.73	-0.98	-1.10	-1.34	-1.46
		Mz	0.00	-4.37	-13.10	-17.47	-26.20	-34.93	-39.30	-48.03	-52.40
	Vento 180	N	17.246	17.246	17.246	17.246	17.246	17.246	17.246	17.246	17.246
		Vy	-21.914	-21.617	-21.023	-20.726	-20.132	-19.944	-19.944	-19.944	-19.944
		Vz	-0.583	-0.583	-0.583	-0.583	-0.583	-0.583	-0.583	-0.583	-0.583
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.12	0.35	0.46	0.69	0.92	1.04	1.27	1.38
		Mz	0.00	4.31	12.76	16.89	24.98	32.89	36.84	44.74	48.69
	Multidão - Passeio	N	25.854	25.854	25.854	25.854	25.854	25.854	25.854	25.854	25.854
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	2.391	2.391	2.391	2.391	2.391	2.391	2.391	2.391	2.391
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.47	-1.42	-1.89	-2.84	-3.79	-4.26	-5.21	-5.68
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
	Multidão - TB450	N	84.377	84.377	84.377	84.377	84.377	84.377	84.377	84.377	84.377
		Vy	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034
		Vz	7.789	7.789	7.789	7.789	7.789	7.789	7.789	7.789	7.789
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-1.54	-4.63	-6.17	-9.26	-12.34	-13.88	-16.97	-18.51
		Mz	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08
	TB-450 - A1	N	18.096	18.096	18.096	18.096	18.096	18.096	18.096	18.096	18.096
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	-2.455	-2.455	-2.455	-2.455	-2.455	-2.455	-2.455	-2.455	-2.455
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.49	1.46	1.94	2.92	3.89	4.38	5.35	5.83
		Mz	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.03
	TB-450 - A2	N	42.529	42.529	42.529	42.529	42.529	42.529	42.529	42.529	42.529
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	-5.833	-5.833	-5.833	-5.833	-5.833	-5.833	-5.833	-5.833	-5.833
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	1.16	3.47	4.62	6.93	9.24	10.40	12.71	13.86
		Mz	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - B1	N	22.561	22.561	22.561	22.561	22.561	22.561	22.561	22.561	22.561
		Vy	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
		Vz	3.533	3.533	3.533	3.533	3.533	3.533	3.533	3.533	3.533
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.70	-2.10	-2.80	-4.20	-5.60	-6.30	-7.70	-8.40
		Mz	0.00	-0.03	-0.09	-0.12	-0.18	-0.24	-0.26	-0.32	-0.35
	TB-450 - B2	N	50.111	50.111	50.111	50.111	50.111	50.111	50.111	50.111	50.111
		Vy	-0.169	-0.169	-0.169	-0.169	-0.169	-0.169	-0.169	-0.169	-0.169

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.198 m	0.594 m	0.792 m	1.188 m	1.584 m	1.782 m	2.179 m	2.377 m
		Vz	8.351	8.351	8.351	8.351	8.351	8.351	8.351	8.351	8.351
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-1.65	-4.96	-6.62	-9.92	-13.23	-14.89	-18.19	-19.85
		Mz	0.00	0.03	0.10	0.13	0.20	0.27	0.30	0.37	0.40
	TB-450 - C1	N	16.517	16.517	16.517	16.517	16.517	16.517	16.517	16.517	16.517
		Vy	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143
		Vz	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.56	-1.69	-2.26	-3.39	-4.51	-5.08	-6.21	-6.77
		Mz	0.00	-0.03	-0.09	-0.11	-0.17	-0.23	-0.26	-0.31	-0.34
	TB-450 - C2	N	35.611	35.611	35.611	35.611	35.611	35.611	35.611	35.611	35.611
		Vy	-0.187	-0.187	-0.187	-0.187	-0.187	-0.187	-0.187	-0.187	-0.187
		Vz	6.743	6.743	6.743	6.743	6.743	6.743	6.743	6.743	6.743
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-1.34	-4.01	-5.34	-8.01	-10.68	-12.02	-14.69	-16.02
		Mz	0.00	0.04	0.11	0.15	0.22	0.30	0.33	0.41	0.44
	TB-450 - D1	N	9.867	9.867	9.867	9.867	9.867	9.867	9.867	9.867	9.867
		Vy	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073
		Vz	1.726	1.726	1.726	1.726	1.726	1.726	1.726	1.726	1.726
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.34	-1.03	-1.37	-2.05	-2.73	-3.08	-3.76	-4.10
		Mz	0.00	-0.01	-0.04	-0.06	-0.09	-0.12	-0.13	-0.16	-0.17
	TB-450 - D2	N	21.512	21.512	21.512	21.512	21.512	21.512	21.512	21.512	21.512
		Vy	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105
		Vz	4.088	4.088	4.088	4.088	4.088	4.088	4.088	4.088	4.088
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.81	-2.43	-3.24	-4.86	-6.48	-7.29	-8.91	-9.71
		Mz	0.00	0.02	0.06	0.08	0.13	0.17	0.19	0.23	0.25
	TB-450 - E1	N	3.493	3.493	3.493	3.493	3.493	3.493	3.493	3.493	3.493
		Vy	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073
		Vz	0.601	0.601	0.601	0.601	0.601	0.601	0.601	0.601	0.601
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.12	-0.36	-0.48	-0.71	-0.95	-1.07	-1.31	-1.43
		Mz	0.00	-0.01	-0.04	-0.06	-0.09	-0.12	-0.13	-0.16	-0.17
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N175/N111	Peso próprio	N	89.443	89.484	89.526
		Vy	0.094	0.094	0.094
		Vz	-168.725	-168.435	-168.145
		Mt	-0.02	-0.02	-0.02
		My	-84.09	-63.01	-41.98
		Mz	0.31	0.30	0.29
	LAJE	N	189.454	189.454	189.454
		Vy	-0.019	-0.019	-0.019
		Vz	-430.405	-430.405	-430.405

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mt	-0.16	-0.16	-0.16
		My	-188.30	-134.50	-80.70
		Mz	0.11	0.11	0.11
	PAVIMENTAÇÃO	N	103.380	103.380	103.380
		Vy	-0.011	-0.011	-0.011
		Vz	-234.862	-234.862	-234.862
		Mt	-0.09	-0.09	-0.09
		My	-102.75	-73.39	-44.03
		Mz	0.06	0.06	0.06
	RECAPEAMENTO	N	46.991	46.991	46.991
		Vy	-0.005	-0.005	-0.005
		Vz	-106.755	-106.755	-106.755
		Mt	-0.04	-0.04	-0.04
		My	-46.70	-33.36	-20.02
		Mz	0.03	0.03	0.03
	GUARDA-RODAS	N	25.505	25.505	25.505
		Vy	-0.002	-0.002	-0.002
		Vz	-57.939	-57.939	-57.939
		Mt	-0.01	-0.01	-0.01
		My	-25.35	-18.11	-10.87
		Mz	0.01	0.01	0.01
	Vento 0	N	-13.027	-13.027	-13.027
		Vy	17.887	17.887	17.887
		Vz	3.814	3.814	3.814
		Mt	0.11	0.11	0.11
		My	0.53	0.05	-0.42
		Mz	-52.09	-54.33	-56.56
	Vento 180	N	17.487	17.487	17.487
		Vy	-13.997	-13.997	-13.997
		Vz	-2.127	-2.127	-2.127
		Mt	0.19	0.19	0.19
		My	0.23	0.50	0.77
		Mz	48.39	50.14	51.89
	Multidão - Passeio	N	33.097	33.097	33.097
		Vy	-0.001	-0.001	-0.001
		Vz	-75.182	-75.182	-75.182
		Mt	-0.01	-0.01	-0.01
		My	-32.91	-23.51	-14.11
		Mz	0.01	0.01	0.01
	Multidão - TB450	N	108.007	108.007	108.007
		Vy	-0.014	-0.014	-0.014
		Vz	-245.384	-245.384	-245.384
		Mt	-0.12	-0.12	-0.12
		My	-107.33	-76.66	-45.99
		Mz	0.08	0.08	0.08
	TB-450 - A1	N	20.717	20.717	20.717
		Vy	-0.003	-0.003	-0.003
		Vz	-55.869	-55.869	-55.869
		Mt	-0.03	-0.03	-0.03

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		My	-5.43	1.55	8.54
		Mz	0.03	0.03	0.03
	TB-450 - A2	N	48.730	48.730	48.730
		Vy	0.015	0.015	0.015
		Vz	-132.359	-132.359	-132.359
		Mt	-0.09	-0.09	-0.09
		My	-12.80	3.74	20.29
		Mz	-0.02	-0.02	-0.02
	TB-450 - B1	N	29.479	29.479	29.479
		Vy	0.142	0.142	0.142
		Vz	-60.644	-60.644	-60.644
		Mt	-0.04	-0.04	-0.04
		My	-33.87	-26.29	-18.71
		Mz	-0.35	-0.37	-0.38
	TB-450 - B2	N	66.477	66.477	66.477
		Vy	-0.149	-0.149	-0.149
		Vz	-143.512	-143.512	-143.512
		Mt	-0.05	-0.05	-0.05
		My	-80.17	-62.23	-44.29
		Mz	0.40	0.42	0.43
	TB-450 - C1	N	21.705	21.705	21.705
		Vy	0.137	0.137	0.137
		Vz	-44.253	-44.253	-44.253
		Mt	-0.04	-0.04	-0.04
		My	-25.76	-20.23	-14.70
		Mz	-0.33	-0.35	-0.37
	TB-450 - C2	N	47.886	47.886	47.886
		Vy	-0.165	-0.165	-0.165
		Vz	-104.663	-104.663	-104.663
		Mt	-0.05	-0.05	-0.05
		My	-61.00	-47.92	-34.83
		Mz	0.44	0.46	0.48
	TB-450 - D1	N	12.999	12.999	12.999
		Vy	0.070	0.070	0.070
		Vz	-26.676	-26.676	-26.676
		Mt	-0.03	-0.03	-0.03
		My	-15.56	-12.23	-8.89
		Mz	-0.17	-0.18	-0.19
	TB-450 - D2	N	28.923	28.923	28.923
		Vy	-0.091	-0.091	-0.091
		Vz	-63.098	-63.098	-63.098
		Mt	-0.03	-0.03	-0.03
		My	-36.86	-28.98	-21.09
		Mz	0.25	0.26	0.27
	TB-450 - E1	N	4.568	4.568	4.568
		Vy	0.071	0.071	0.071
		Vz	-9.085	-9.085	-9.085
		Mt	0.02	0.02	0.02
		My	-5.36	-4.22	-3.09

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mz	-0.17	-0.18	-0.19
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N111/N174	Peso próprio	N	90.659	90.701	90.743
		Vy	0.110	0.110	0.110
		Vz	-156.596	-156.306	-156.016
		Mt	-0.02	-0.02	-0.02
		My	-42.47	-22.92	-3.40
		Mz	0.29	0.27	0.26
	LAJE	N	206.118	206.118	206.118
		Vy	0.169	0.169	0.169
		Vz	-318.614	-318.614	-318.614
		Mt	0.13	0.13	0.13
		My	-85.50	-45.67	-5.84
		Mz	0.31	0.29	0.27
	PAVIMENTAÇÃO	N	112.487	112.487	112.487
		Vy	0.095	0.095	0.095
		Vz	-173.857	-173.857	-173.857
		Mt	0.07	0.07	0.07
		My	-46.65	-24.92	-3.19
		Mz	0.17	0.16	0.15
	RECAPEAMENTO	N	51.130	51.130	51.130
		Vy	0.043	0.043	0.043
		Vz	-79.026	-79.026	-79.026
		Mt	0.03	0.03	0.03
		My	-21.21	-11.33	-1.45
		Mz	0.08	0.07	0.07
	GUARDA-RODAS	N	27.705	27.705	27.705
		Vy	0.015	0.015	0.015
		Vz	-42.901	-42.901	-42.901
		Mt	0.01	0.01	0.01
		My	-11.51	-6.15	-0.79
		Mz	0.03	0.03	0.02
	Vento 0	N	-28.358	-28.358	-28.358
		Vy	-18.831	-18.831	-18.831
		Vz	2.203	2.203	2.203
		Mt	1.04	1.04	1.04
		My	-0.40	-0.67	-0.95
		Mz	-55.94	-53.58	-51.23
	Vento 180	N	17.561	17.561	17.561
		Vy	13.561	13.748	13.936

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-0.623	-0.623	-0.623
		Mt	-0.33	-0.33	-0.33
		My	0.74	0.82	0.90
		Mz	51.54	49.83	48.10
	Multidão - Passeio	N	35.883	35.883	35.883
		Vy	0.006	0.006	0.006
		Vz	-55.684	-55.684	-55.684
		Mt	0.00	0.00	0.00
		My	-14.95	-7.99	-1.03
		Mz	0.01	0.01	0.01
	Multidão - TB450	N	117.686	117.686	117.686
		Vy	0.130	0.130	0.130
		Vz	-181.607	-181.607	-181.607
		Mt	0.10	0.10	0.10
		My	-48.72	-26.02	-3.32
		Mz	0.24	0.22	0.20
	TB-450 - A1	N	27.370	27.370	27.370
		Vy	0.140	0.140	0.140
		Vz	-5.062	-5.062	-5.062
		Mt	0.04	0.04	0.04
		My	6.35	6.99	7.62
		Mz	0.08	0.06	0.04
	TB-450 - A2	N	65.322	65.322	65.322
		Vy	-0.053	-0.053	-0.053
		Vz	-11.862	-11.862	-11.862
		Mt	0.05	0.05	0.05
		My	15.11	16.59	18.08
		Mz	0.07	0.08	0.08
	TB-450 - B1	N	29.480	29.480	29.480
		Vy	-0.110	-0.110	-0.110
		Vz	-60.565	-60.565	-60.565
		Mt	0.04	0.04	0.04
		My	-18.71	-11.14	-3.57
		Mz	-0.33	-0.31	-0.30
	TB-450 - B2	N	66.478	66.478	66.478
		Vy	0.209	0.209	0.209
		Vz	-143.401	-143.401	-143.401
		Mt	0.03	0.03	0.03
		My	-44.30	-26.37	-8.45
		Mz	0.49	0.46	0.43
	TB-450 - C1	N	21.716	21.716	21.716
		Vy	-0.091	-0.091	-0.091
		Vz	-44.096	-44.096	-44.096
		Mt	0.05	0.05	0.05
		My	-14.70	-9.19	-3.68
		Mz	-0.31	-0.30	-0.29
	TB-450 - C2	N	47.899	47.899	47.899
		Vy	0.202	0.202	0.202
		Vz	-104.478	-104.478	-104.478

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mt	0.02	0.02	0.02
		My	-34.84	-21.78	-8.72
		Mz	0.53	0.50	0.48
	TB-450 - D1	N	13.006	13.006	13.006
		Vy	-0.039	-0.039	-0.039
		Vz	-26.569	-26.569	-26.569
		Mt	0.03	0.03	0.03
		My	-8.90	-5.58	-2.25
		Mz	-0.15	-0.15	-0.14
	TB-450 - D2	N	28.932	28.932	28.932
		Vy	0.116	0.116	0.116
		Vz	-62.975	-62.975	-62.975
		Mt	0.02	0.02	0.02
		My	-21.09	-13.22	-5.35
		Mz	0.30	0.29	0.27
	TB-450 - E1	N	3.858	3.858	3.858
		Vy	-0.087	-0.087	-0.087
		Vz	-9.165	-9.165	-9.165
		Mt	-0.01	-0.01	-0.01
		My	-3.09	-1.94	-0.80
		Mz	-0.21	-0.20	-0.19
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.213 m	0.638 m	0.851 m	1.063 m	1.276 m	1.701 m	1.914 m	2.127 m
N174/N176	Peso próprio	N	134.866	134.937	135.079	135.150	135.220	135.291	135.433	135.504	135.575
		Vy	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115
		Vz	-21.448	-20.955	-19.967	-19.474	-18.980	-18.487	-17.499	-17.006	-16.512
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-36.02	-31.51	-22.81	-18.61	-14.53	-10.54	-2.89	0.78	4.34
		Mz	0.25	0.23	0.18	0.15	0.13	0.11	0.06	0.03	0.01
	LAJE	N	298.655	298.655	298.655	298.655	298.655	298.655	298.655	298.655	298.655
		Vy	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191
		Vz	-43.464	-43.464	-43.464	-43.464	-43.464	-43.464	-43.464	-43.464	-43.464
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-78.05	-68.81	-50.32	-41.08	-31.84	-22.60	-4.11	5.13	14.38
		Mz	0.30	0.26	0.18	0.14	0.10	0.06	-0.02	-0.07	-0.11
	PAVIMENTAÇÃO	N	162.981	162.981	162.981	162.981	162.981	162.981	162.981	162.981	162.981
		Vy	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107
		Vz	-23.717	-23.717	-23.717	-23.717	-23.717	-23.717	-23.717	-23.717	-23.717
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-42.59	-37.55	-27.46	-22.42	-17.37	-12.33	-2.24	2.80	7.85
		Mz	0.17	0.15	0.10	0.08	0.05	0.03	-0.01	-0.04	-0.06
	RECAPEAMENTO	N	74.082	74.082	74.082	74.082	74.082	74.082	74.082	74.082	74.082
		Vy	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049
		Vz	-10.780	-10.780	-10.780	-10.780	-10.780	-10.780	-10.780	-10.780	-10.780

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.213 m	0.638 m	0.851 m	1.063 m	1.276 m	1.701 m	1.914 m	2.127 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-19.36	-17.07	-12.48	-10.19	-7.90	-5.60	-1.02	1.27	3.57
		Mz	0.08	0.07	0.05	0.03	0.02	0.01	-0.01	-0.02	-0.03
	GUARDA-RODAS	N	40.165	40.165	40.165	40.165	40.165	40.165	40.165	40.165	40.165
		Vy	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vz	-5.852	-5.852	-5.852	-5.852	-5.852	-5.852	-5.852	-5.852	-5.852
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-10.51	-9.27	-6.78	-5.53	-4.29	-3.05	-0.56	0.69	1.93
		Mz	0.03	0.02	0.02	0.01	0.01	0.01	0.00	-0.01	-0.01
	Vento 0	N	-29.228	-29.228	-29.228	-29.228	-29.228	-29.228	-29.228	-29.228	-29.228
		Vy	-18.800	-18.800	-18.800	-18.800	-18.800	-18.800	-18.800	-18.800	-18.800
		Vz	-0.234	-0.234	-0.234	-0.234	-0.234	-0.234	-0.234	-0.234	-0.234
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	-0.12	-0.07	0.03	0.08	0.13	0.18	0.28	0.32	0.37
		Mz	-50.91	-46.92	-38.92	-34.92	-30.92	-26.93	-18.93	-14.93	-10.93
	Vento 180	N	17.906	17.906	17.906	17.906	17.906	17.906	17.906	17.906	17.906
		Vy	16.532	16.851	17.489	17.808	18.127	18.128	18.128	18.128	18.128
		Vz	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	0.50	0.44	0.32	0.26	0.20	0.14	0.02	-0.04	-0.10
		Mz	47.77	44.22	36.92	33.16	29.34	25.49	17.78	13.92	10.07
	Multidão - Passeio	N	52.056	52.056	52.056	52.056	52.056	52.056	52.056	52.056	52.056
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	-7.594	-7.594	-7.594	-7.594	-7.594	-7.594	-7.594	-7.594	-7.594
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-13.65	-12.03	-8.80	-7.19	-5.57	-3.96	-0.73	0.89	2.50
		Mz	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	170.431	170.431	170.431	170.431	170.431	170.431	170.431	170.431	170.431
		Vy	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147
		Vz	-24.777	-24.777	-24.777	-24.777	-24.777	-24.777	-24.777	-24.777	-24.777
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-44.48	-39.21	-28.67	-23.40	-18.13	-12.87	-2.33	2.94	8.21
		Mz	0.23	0.20	0.14	0.10	0.07	0.04	-0.02	-0.05	-0.08
	TB-450 - A1	N	29.169	29.169	29.169	29.169	29.169	29.169	29.169	29.169	29.169
		Vy	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146
		Vz	-1.567	-1.567	-1.567	-1.567	-1.567	-1.567	-1.567	-1.567	-1.567
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.58	4.92	5.58	5.92	6.25	6.58	7.25	7.58	7.92
		Mz	0.06	0.03	-0.04	-0.07	-0.10	-0.13	-0.19	-0.22	-0.25
	TB-450 - A2	N	69.560	69.560	69.560	69.560	69.560	69.560	69.560	69.560	69.560
		Vy	-0.043	-0.043	-0.043	-0.043	-0.043	-0.043	-0.043	-0.043	-0.043
		Vz	-3.669	-3.669	-3.669	-3.669	-3.669	-3.669	-3.669	-3.669	-3.669
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	10.90	11.68	13.24	14.02	14.80	15.58	17.14	17.92	18.70
		Mz	0.10	0.11	0.13	0.13	0.14	0.15	0.17	0.18	0.19
	TB-450 - B1	N	46.227	46.227	46.227	46.227	46.227	46.227	46.227	46.227	46.227
		Vy	-0.103	-0.103	-0.103	-0.103	-0.103	-0.103	-0.103	-0.103	-0.103
		Vz	-10.042	-10.042	-10.042	-10.042	-10.042	-10.042	-10.042	-10.042	-10.042
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-16.05	-13.91	-9.64	-7.51	-5.37	-3.24	1.04	3.17	5.31
		Mz	-0.29	-0.27	-0.22	-0.20	-0.18	-0.16	-0.11	-0.09	-0.07
	TB-450 - B2	N	106.142	106.142	106.142	106.142	106.142	106.142	106.142	106.142	106.142
		Vy	0.214	0.214	0.214	0.214	0.214	0.214	0.214	0.214	0.214
		Vz	-23.753	-23.753	-23.753	-23.753	-23.753	-23.753	-23.753	-23.753	-23.753
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-38.01	-32.96	-22.85	-17.80	-12.75	-7.70	2.40	7.45	12.51
		Mz	0.44	0.40	0.31	0.26	0.21	0.17	0.08	0.03	-0.01

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.213 m	0.638 m	0.851 m	1.063 m	1.276 m	1.701 m	1.914 m	2.127 m
	TB-450 - C1	N	34.784	34.784	34.784	34.784	34.784	34.784	34.784	34.784	34.784
		Vy	-0.084	-0.084	-0.084	-0.084	-0.084	-0.084	-0.084	-0.084	-0.084
		Vz	-4.612	-4.612	-4.612	-4.612	-4.612	-4.612	-4.612	-4.612	-4.612
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-13.30	-12.32	-10.36	-9.38	-8.40	-7.41	-5.45	-4.47	-3.49
		Mz	-0.27	-0.26	-0.22	-0.20	-0.19	-0.17	-0.13	-0.11	-0.10
	TB-450 - C2	N	78.873	78.873	78.873	78.873	78.873	78.873	78.873	78.873	78.873
		Vy	0.207	0.207	0.207	0.207	0.207	0.207	0.207	0.207	0.207
		Vz	-10.903	-10.903	-10.903	-10.903	-10.903	-10.903	-10.903	-10.903	-10.903
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-31.53	-29.21	-24.57	-22.26	-19.94	-17.62	-12.98	-10.66	-8.34
		Mz	0.48	0.44	0.35	0.31	0.26	0.22	0.13	0.09	0.04
	TB-450 - D1	N	20.902	20.902	20.902	20.902	20.902	20.902	20.902	20.902	20.902
		Vy	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035
		Vz	-2.712	-2.712	-2.712	-2.712	-2.712	-2.712	-2.712	-2.712	-2.712
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-8.07	-7.49	-6.34	-5.76	-5.18	-4.61	-3.45	-2.88	-2.30
		Mz	-0.13	-0.13	-0.11	-0.10	-0.10	-0.09	-0.07	-0.07	-0.06
	TB-450 - D2	N	47.653	47.653	47.653	47.653	47.653	47.653	47.653	47.653	47.653
		Vy	0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120
		Vz	-6.417	-6.417	-6.417	-6.417	-6.417	-6.417	-6.417	-6.417	-6.417
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-19.13	-17.77	-15.04	-13.68	-12.31	-10.95	-8.22	-6.85	-5.49
		Mz	0.28	0.25	0.20	0.18	0.15	0.13	0.07	0.05	0.02
	TB-450 - E1	N	6.579	6.579	6.579	6.579	6.579	6.579	6.579	6.579	6.579
		Vy	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089
		Vz	-0.939	-0.939	-0.939	-0.939	-0.939	-0.939	-0.939	-0.939	-0.939
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.79	-2.60	-2.20	-2.00	-1.80	-1.60	-1.20	-1.00	-0.80
		Mz	-0.19	-0.18	-0.14	-0.12	-0.10	-0.08	-0.04	-0.02	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N176/N110	Peso próprio	N	143.742	143.784	143.825
		Vy	0.118	0.118	0.118
		Vz	-156.608	-156.318	-156.028
		Mt	-0.02	-0.02	-0.02
		My	-24.41	-4.85	14.67
		Mz	0.01	-0.01	-0.02
	LAJE	N	315.543	315.543	315.543
		Vy	0.210	0.210	0.210
		Vz	-380.820	-380.820	-380.820
		Mt	-0.12	-0.12	-0.12
		My	-47.90	-0.29	47.31
		Mz	-0.11	-0.13	-0.16
	PAVIMENTAÇÃO	N	172.196	172.196	172.196
		Vy	0.118	0.118	0.118

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-207.802	-207.802	-207.802
		Mt	-0.07	-0.07	-0.07
		My	-26.13	-0.16	25.82
		Mz	-0.06	-0.07	-0.09
	RECAPEAMENTO	N	78.271	78.271	78.271
		Vy	0.054	0.054	0.054
		Vz	-94.456	-94.456	-94.456
		Mt	-0.03	-0.03	-0.03
		My	-11.88	-0.07	11.73
		Mz	-0.03	-0.03	-0.04
	GUARDA-RODAS	N	42.439	42.439	42.439
		Vy	0.018	0.018	0.018
		Vz	-51.273	-51.273	-51.273
		Mt	-0.01	-0.01	-0.01
		My	-6.45	-0.04	6.37
		Mz	-0.01	-0.01	-0.01
	Vento 0	N	-29.440	-29.440	-29.440
		Vy	-18.826	-18.826	-18.826
		Vz	3.692	3.692	3.692
		Mt	0.16	0.16	0.16
		My	1.16	0.70	0.24
		Mz	-10.93	-8.58	-6.22
	Vento 180	N	18.010	18.010	18.010
		Vy	20.697	20.697	20.697
		Vz	-1.466	-1.466	-1.466
		Mt	-0.19	-0.19	-0.19
		My	-0.47	-0.29	-0.11
		Mz	10.06	7.47	4.88
	Multidão - Passeio	N	55.008	55.008	55.008
		Vy	0.008	0.008	0.008
		Vz	-66.545	-66.545	-66.545
		Mt	-0.01	-0.01	-0.01
		My	-8.38	-0.06	8.25
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	180.058	180.058	180.058
		Vy	0.162	0.162	0.162
		Vz	-217.080	-217.080	-217.080
		Mt	-0.09	-0.09	-0.09
		My	-27.28	-0.15	26.99
		Mz	-0.08	-0.10	-0.12
	TB-450 - A1	N	29.503	29.503	29.503
		Vy	0.157	0.157	0.157
		Vz	-16.068	-16.068	-16.068
		Mt	-0.06	-0.06	-0.06
		My	6.78	8.79	10.80
		Mz	-0.25	-0.27	-0.29
	TB-450 - A2	N	70.348	70.348	70.348
		Vy	-0.030	-0.030	-0.030
		Vz	-37.946	-37.946	-37.946

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mt	-0.09	-0.09	-0.09
		My	16.03	20.78	25.52
		Mz	0.19	0.19	0.20
	TB-450 - B1	N	49.054	49.054	49.054
		Vy	-0.098	-0.098	-0.098
		Vz	-67.913	-67.913	-67.913
		Mt	-0.03	-0.03	-0.03
		My	-5.15	3.34	11.83
		Mz	-0.07	-0.06	-0.04
	TB-450 - B2	N	112.838	112.838	112.838
		Vy	0.221	0.221	0.221
		Vz	-160.924	-160.924	-160.924
		Mt	-0.05	-0.05	-0.05
		My	-12.26	7.86	27.97
		Mz	-0.01	-0.04	-0.07
	TB-450 - C1	N	37.288	37.288	37.288
		Vy	-0.083	-0.083	-0.083
		Vz	-49.513	-49.513	-49.513
		Mt	0.00	0.00	0.00
		My	-12.76	-6.57	-0.38
		Mz	-0.10	-0.09	-0.07
	TB-450 - C2	N	84.806	84.806	84.806
		Vy	0.206	0.206	0.206
		Vz	-117.423	-117.423	-117.423
		Mt	0.00	0.00	0.00
		My	-30.30	-15.63	-0.95
		Mz	0.04	0.02	-0.01
	TB-450 - D1	N	22.422	22.422	22.422
		Vy	-0.034	-0.034	-0.034
		Vz	-29.946	-29.946	-29.946
		Mt	0.00	0.00	0.00
		My	-7.93	-4.18	-0.44
		Mz	-0.06	-0.05	-0.05
	TB-450 - D2	N	51.256	51.256	51.256
		Vy	0.120	0.120	0.120
		Vz	-71.033	-71.033	-71.033
		Mt	0.00	0.00	0.00
		My	-18.83	-9.95	-1.07
		Mz	0.02	0.01	-0.01
	TB-450 - E1	N	7.102	7.102	7.102
		Vy	-0.089	-0.089	-0.089
		Vz	-10.305	-10.305	-10.305
		Mt	0.00	0.00	0.00
		My	-2.73	-1.45	-0.16
		Mz	0.00	0.01	0.02
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N110/N177	Peso próprio	N	146.101	146.143	146.184
		Vy	0.090	0.090	0.090
		Vz	-137.496	-137.206	-136.916
		Mt	0.01	0.01	0.01
		My	13.88	31.05	48.18
		Mz	0.02	0.01	0.00
	LAJE	N	332.190	332.190	332.190
		Vy	0.135	0.135	0.135
		Vz	-269.006	-269.006	-269.006
		Mt	0.12	0.12	0.12
		My	42.52	76.14	109.77
		Mz	0.19	0.17	0.15
	PAVIMENTAÇÃO	N	181.293	181.293	181.293
		Vy	0.075	0.075	0.075
		Vz	-146.786	-146.786	-146.786
		Mt	0.07	0.07	0.07
		My	23.20	41.55	59.90
		Mz	0.10	0.09	0.08
	RECAPEAMENTO	N	82.406	82.406	82.406
		Vy	0.034	0.034	0.034
		Vz	-66.721	-66.721	-66.721
		Mt	0.03	0.03	0.03
		My	10.55	18.89	27.23
		Mz	0.05	0.04	0.04
	GUARDA-RODAS	N	44.637	44.637	44.637
		Vy	0.013	0.013	0.013
		Vz	-36.228	-36.228	-36.228
		Mt	0.01	0.01	0.01
		My	5.72	10.25	14.78
		Mz	0.02	0.02	0.02
	Vento 0	N	-38.534	-38.534	-38.534
		Vy	-9.389	-9.389	-9.389
		Vz	4.333	4.333	4.333
		Mt	-0.04	-0.04	-0.04
		My	0.21	-0.33	-0.87
		Mz	-6.49	-5.32	-4.15
	Vento 180	N	32.198	32.198	32.198
		Vy	3.211	3.398	3.586
		Vz	-2.134	-2.134	-2.134
		Mt	0.20	0.20	0.20
		My	-0.09	0.18	0.45
		Mz	5.43	5.02	4.58
	Multidão - Passeio	N	57.842	57.842	57.842

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	0.010	0.010	0.010
		Vz	-47.033	-47.033	-47.033
		Mt	0.01	0.01	0.01
		My	7.42	13.30	19.17
		Mz	0.01	0.01	0.01
	Multidão - TB450	N	189.721	189.721	189.721
		Vy	0.097	0.097	0.097
		Vz	-153.305	-153.305	-153.305
		Mt	0.09	0.09	0.09
		My	24.26	43.42	62.58
		Mz	0.13	0.12	0.11
	TB-450 - A1	N	32.436	32.436	32.436
		Vy	0.053	0.053	0.053
		Vz	9.530	9.530	9.530
		Mt	0.07	0.07	0.07
		My	9.71	8.52	7.33
		Mz	-0.11	-0.12	-0.13
	TB-450 - A2	N	78.238	78.238	78.238
		Vy	0.139	0.139	0.139
		Vz	22.517	22.517	22.517
		Mt	0.08	0.08	0.08
		My	22.93	20.12	17.30
		Mz	0.43	0.41	0.39
	TB-450 - B1	N	53.725	53.725	53.725
		Vy	-0.212	-0.212	-0.212
		Vz	-42.438	-42.438	-42.438
		Mt	0.04	0.04	0.04
		My	10.74	16.04	21.35
		Mz	0.05	0.08	0.10
	TB-450 - B2	N	122.963	122.963	122.963
		Vy	0.286	0.286	0.286
		Vz	-100.590	-100.590	-100.590
		Mt	0.04	0.04	0.04
		My	25.38	37.96	50.53
		Mz	0.06	0.02	-0.01
	TB-450 - C1	N	38.650	38.650	38.650
		Vy	-0.252	-0.252	-0.252
		Vz	-49.501	-49.501	-49.501
		Mt	0.01	0.01	0.01
		My	-0.38	5.81	12.00
		Mz	-0.07	-0.03	0.00
	TB-450 - C2	N	86.444	86.444	86.444
		Vy	0.229	0.229	0.229
		Vz	-117.402	-117.402	-117.402
		Mt	0.00	0.00	0.00
		My	-0.95	13.73	28.40
		Mz	-0.01	-0.04	-0.07
	TB-450 - D1	N	23.353	23.353	23.353
		Vy	-0.139	-0.139	-0.139

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-29.939	-29.939	-29.939
		Mt	0.00	0.00	0.00
		My	-0.44	3.30	7.04
		Mz	-0.04	-0.03	-0.01
	TB-450 - D2	N	52.334	52.334	52.334
		Vy	0.127	0.127	0.127
		Vz	-71.020	-71.020	-71.020
		Mt	0.00	0.00	0.00
		My	-1.07	7.80	16.68
		Mz	-0.01	-0.02	-0.04
	TB-450 - E1	N	6.384	6.384	6.384
		Vy	-0.084	-0.084	-0.084
		Vz	-10.306	-10.306	-10.306
		Mt	0.00	0.00	0.00
		My	-0.16	1.13	2.42
		Mz	0.02	0.03	0.04
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.213 m	0.425 m	0.851 m	1.063 m	1.276 m	1.701 m	1.914 m	2.127 m
N177/N178	Peso próprio	N	190.206	190.277	190.348	190.489	190.560	190.631	190.773	190.843	190.914
		Vy	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093
		Vz	-6.541	-6.047	-5.554	-4.567	-4.073	-3.579	-2.592	-2.099	-1.605
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.54	12.88	14.12	16.27	17.19	18.00	19.31	19.81	20.21
		Mz	0.00	-0.02	-0.04	-0.08	-0.10	-0.12	-0.16	-0.18	-0.20
	LAJE	N	422.246	422.246	422.246	422.246	422.246	422.246	422.246	422.246	422.246
		Vy	0.154	0.154	0.154	0.154	0.154	0.154	0.154	0.154	0.154
		Vz	-9.627	-9.627	-9.627	-9.627	-9.627	-9.627	-9.627	-9.627	-9.627
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	30.58	32.62	34.67	38.76	40.81	42.86	46.95	49.00	51.05
		Mz	0.18	0.15	0.12	0.05	0.02	-0.01	-0.08	-0.11	-0.15
	PAVIMENTAÇÃO	N	230.433	230.433	230.433	230.433	230.433	230.433	230.433	230.433	230.433
		Vy	0.086	0.086	0.086	0.086	0.086	0.086	0.086	0.086	0.086
		Vz	-5.252	-5.252	-5.252	-5.252	-5.252	-5.252	-5.252	-5.252	-5.252
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	16.69	17.80	18.92	21.15	22.27	23.39	25.62	26.74	27.86
		Mz	0.10	0.08	0.07	0.03	0.01	-0.01	-0.04	-0.06	-0.08
	RECAPEAMENTO	N	104.742	104.742	104.742	104.742	104.742	104.742	104.742	104.742	104.742
		Vy	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039
		Vz	-2.387	-2.387	-2.387	-2.387	-2.387	-2.387	-2.387	-2.387	-2.387
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.58	8.09	8.60	9.62	10.12	10.63	11.65	12.15	12.66
		Mz	0.05	0.04	0.03	0.01	0.00	0.00	-0.02	-0.03	-0.04
	GUARDA-RODAS	N	56.764	56.764	56.764	56.764	56.764	56.764	56.764	56.764	56.764
		Vy	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vz	-1.299	-1.299	-1.299	-1.299	-1.299	-1.299	-1.299	-1.299	-1.299

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.213 m	0.425 m	0.851 m	1.063 m	1.276 m	1.701 m	1.914 m	2.127 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.11	4.39	4.67	5.22	5.49	5.77	6.32	6.60	6.87
		Mz	0.02	0.01	0.01	0.00	0.00	0.00	-0.01	-0.01	-0.01
	Vento 0	N	-39.952	-39.952	-39.952	-39.952	-39.952	-39.952	-39.952	-39.952	-39.952
		Vy	-9.404	-9.404	-9.404	-9.404	-9.404	-9.404	-9.404	-9.404	-9.404
		Vz	0.156	0.156	0.156	0.156	0.156	0.156	0.156	0.156	0.156
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	0.28	0.25	0.22	0.15	0.12	0.09	0.02	-0.01	-0.05
		Mz	-4.15	-2.15	-0.15	3.85	5.85	7.85	11.85	13.85	15.85
	Vento 180	N	32.875	32.875	32.875	32.875	32.875	32.875	32.875	32.875	32.875
		Vy	6.266	6.585	6.904	7.542	7.860	7.860	7.860	7.860	7.860
		Vz	-0.122	-0.122	-0.122	-0.122	-0.122	-0.122	-0.122	-0.122	-0.122
		Mt	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		My	-0.09	-0.07	-0.04	0.01	0.04	0.06	0.12	0.14	0.17
		Mz	4.42	3.06	1.62	-1.45	-3.09	-4.76	-8.10	-9.77	-11.44
	Multidão - Passeio	N	73.584	73.584	73.584	73.584	73.584	73.584	73.584	73.584	73.584
		Vy	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Vz	-1.689	-1.689	-1.689	-1.689	-1.689	-1.689	-1.689	-1.689	-1.689
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.33	5.69	6.05	6.77	7.13	7.49	8.21	8.56	8.92
		Mz	0.01	0.01	0.01	0.00	0.00	0.00	-0.01	-0.01	-0.01
	Multidão - TB450	N	241.048	241.048	241.048	241.048	241.048	241.048	241.048	241.048	241.048
		Vy	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111
		Vz	-5.478	-5.478	-5.478	-5.478	-5.478	-5.478	-5.478	-5.478	-5.478
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	17.45	18.61	19.77	22.10	23.27	24.43	26.76	27.93	29.09
		Mz	0.13	0.11	0.08	0.04	0.01	-0.01	-0.06	-0.08	-0.10
	TB-450 - A1	N	30.423	30.423	30.423	30.423	30.423	30.423	30.423	30.423	30.423
		Vy	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
		Vz	2.684	2.684	2.684	2.684	2.684	2.684	2.684	2.684	2.684
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.08	7.51	6.94	5.80	5.23	4.66	3.52	2.95	2.37
		Mz	-0.11	-0.12	-0.13	-0.16	-0.18	-0.19	-0.22	-0.23	-0.24
	TB-450 - A2	N	73.477	73.477	73.477	73.477	73.477	73.477	73.477	73.477	73.477
		Vy	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
		Vz	6.335	6.335	6.335	6.335	6.335	6.335	6.335	6.335	6.335
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	19.09	17.74	16.40	13.70	12.36	11.01	8.31	6.97	5.62
		Mz	0.41	0.38	0.35	0.28	0.25	0.22	0.16	0.12	0.09
	TB-450 - B1	N	66.948	66.948	66.948	66.948	66.948	66.948	66.948	66.948	66.948
		Vy	-0.207	-0.207	-0.207	-0.207	-0.207	-0.207	-0.207	-0.207	-0.207
		Vz	-4.766	-4.766	-4.766	-4.766	-4.766	-4.766	-4.766	-4.766	-4.766
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.19	10.20	11.21	13.24	14.25	15.27	17.30	18.31	19.32
		Mz	0.11	0.16	0.20	0.29	0.33	0.38	0.46	0.51	0.55
	TB-450 - B2	N	154.308	154.308	154.308	154.308	154.308	154.308	154.308	154.308	154.308
		Vy	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293
		Vz	-11.292	-11.292	-11.292	-11.292	-11.292	-11.292	-11.292	-11.292	-11.292
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	21.70	24.10	26.51	31.31	33.71	36.11	40.91	43.32	45.72
		Mz	0.00	-0.06	-0.12	-0.25	-0.31	-0.37	-0.50	-0.56	-0.62
	TB-450 - C1	N	55.044	55.044	55.044	55.044	55.044	55.044	55.044	55.044	55.044
		Vy	-0.251	-0.251	-0.251	-0.251	-0.251	-0.251	-0.251	-0.251	-0.251
		Vz	-1.467	-1.467	-1.467	-1.467	-1.467	-1.467	-1.467	-1.467	-1.467
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.56	-1.25	-0.94	-0.31	0.00	0.31	0.93	1.25	1.56
		Mz	0.00	0.05	0.11	0.21	0.27	0.32	0.43	0.48	0.53

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.213 m	0.425 m	0.851 m	1.063 m	1.276 m	1.701 m	1.914 m	2.127 m
	TB-450 - C2	N	125.321	125.321	125.321	125.321	125.321	125.321	125.321	125.321	125.321
		Vy	0.229	0.229	0.229	0.229	0.229	0.229	0.229	0.229	0.229
		Vz	-3.493	-3.493	-3.493	-3.493	-3.493	-3.493	-3.493	-3.493	-3.493
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.75	-3.01	-2.27	-0.78	-0.04	0.70	2.19	2.93	3.67
		Mz	-0.07	-0.12	-0.16	-0.26	-0.31	-0.36	-0.46	-0.51	-0.55
	TB-450 - D1	N	33.371	33.371	33.371	33.371	33.371	33.371	33.371	33.371	33.371
		Vy	-0.138	-0.138	-0.138	-0.138	-0.138	-0.138	-0.138	-0.138	-0.138
		Vz	-0.611	-0.611	-0.611	-0.611	-0.611	-0.611	-0.611	-0.611	-0.611
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.25	-1.12	-0.99	-0.73	-0.60	-0.47	-0.21	-0.08	0.05
		Mz	-0.01	0.02	0.05	0.11	0.14	0.17	0.23	0.26	0.29
	TB-450 - D2	N	76.094	76.094	76.094	76.094	76.094	76.094	76.094	76.094	76.094
		Vy	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127
		Vz	-1.460	-1.460	-1.460	-1.460	-1.460	-1.460	-1.460	-1.460	-1.460
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.00	-2.69	-2.38	-1.76	-1.44	-1.13	-0.51	-0.20	0.11
		Mz	-0.04	-0.06	-0.09	-0.15	-0.17	-0.20	-0.25	-0.28	-0.31
	TB-450 - E1	N	9.832	9.832	9.832	9.832	9.832	9.832	9.832	9.832	9.832
		Vy	-0.085	-0.085	-0.085	-0.085	-0.085	-0.085	-0.085	-0.085	-0.085
		Vz	-0.214	-0.214	-0.214	-0.214	-0.214	-0.214	-0.214	-0.214	-0.214
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.44	-0.39	-0.35	-0.25	-0.21	-0.16	-0.07	-0.03	0.02
		Mz	0.04	0.06	0.07	0.11	0.13	0.15	0.18	0.20	0.22
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N178/N112	Peso próprio	N	198.108	198.150	198.192
		Vy	0.095	0.095	0.095
		Vz	-118.013	-117.723	-117.433
		Mt	-0.01	-0.01	-0.01
		My	-4.18	10.55	25.25
		Mz	-0.20	-0.21	-0.22
	LAJE	N	436.393	436.393	436.393
		Vy	0.154	0.154	0.154
		Vz	-283.322	-283.322	-283.322
		Mt	0.00	0.00	0.00
		My	0.62	36.03	71.45
		Mz	-0.15	-0.16	-0.18
	PAVIMENTAÇÃO	N	238.152	238.152	238.152
		Vy	0.086	0.086	0.086
		Vz	-154.597	-154.597	-154.597
		Mt	0.00	0.00	0.00
		My	0.34	19.66	38.98
		Mz	-0.08	-0.09	-0.10
	RECAPEAMENTO	N	108.251	108.251	108.251

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	0.039	0.039	0.039
		Vz	-70.272	-70.272	-70.272
		Mt	0.00	0.00	0.00
		My	0.15	8.94	17.72
		Mz	-0.04	-0.04	-0.05
	GUARDA-RODAS	N	58.669	58.669	58.669
		Vy	0.015	0.015	0.015
		Vz	-38.156	-38.156	-38.156
		Mt	0.00	0.00	0.00
		My	0.08	4.85	9.62
		Mz	-0.01	-0.02	-0.02
	Vento 0	N	-40.236	-40.236	-40.236
		Vy	-9.442	-9.442	-9.442
		Vz	4.373	4.373	4.373
		Mt	0.29	0.29	0.29
		My	0.97	0.42	-0.13
		Mz	15.86	17.04	18.22
	Vento 180	N	33.021	33.021	33.021
		Vy	10.444	10.444	10.444
		Vz	-2.026	-2.026	-2.026
		Mt	-0.26	-0.26	-0.26
		My	-0.35	-0.10	0.16
		Mz	-11.46	-12.77	-14.07
	Multidão - Passeio	N	76.057	76.057	76.057
		Vy	0.011	0.011	0.011
		Vz	-49.536	-49.536	-49.536
		Mt	0.00	0.00	0.00
		My	0.11	6.30	12.49
		Mz	-0.01	-0.01	-0.01
	Multidão - TB450	N	249.111	249.111	249.111
		Vy	0.111	0.111	0.111
		Vz	-161.463	-161.463	-161.463
		Mt	0.00	0.00	0.00
		My	0.35	20.53	40.71
		Mz	-0.10	-0.12	-0.13
	TB-450 - A1	N	30.005	30.005	30.005
		Vy	0.066	0.066	0.066
		Vz	9.693	9.693	9.693
		Mt	-0.01	-0.01	-0.01
		My	3.99	2.78	1.57
		Mz	-0.24	-0.25	-0.26
	TB-450 - A2	N	72.491	72.491	72.491
		Vy	0.154	0.154	0.154
		Vz	22.907	22.907	22.907
		Mt	-0.02	-0.02	-0.02
		My	9.43	6.57	3.71
		Mz	0.09	0.07	0.05
	TB-450 - B1	N	68.525	68.525	68.525
		Vy	-0.206	-0.206	-0.206

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-46.261	-46.261	-46.261
		Mt	0.00	0.00	0.00
		My	13.74	19.52	25.30
		Mz	0.55	0.58	0.60
	TB-450 - B2	N	158.044	158.044	158.044
		Vy	0.297	0.297	0.297
		Vz	-109.670	-109.670	-109.670
		Mt	-0.03	-0.03	-0.03
		My	32.48	46.19	59.90
		Mz	-0.62	-0.66	-0.70
	TB-450 - C1	N	57.916	57.916	57.916
		Vy	-0.256	-0.256	-0.256
		Vz	-50.486	-50.486	-50.486
		Mt	0.03	0.03	0.03
		My	-8.76	-2.45	3.86
		Mz	0.53	0.57	0.60
	TB-450 - C2	N	132.129	132.129	132.129
		Vy	0.226	0.226	0.226
		Vz	-119.774	-119.774	-119.774
		Mt	0.02	0.02	0.02
		My	-20.77	-5.80	9.17
		Mz	-0.56	-0.58	-0.61
	TB-450 - D1	N	35.173	35.173	35.173
		Vy	-0.142	-0.142	-0.142
		Vz	-31.315	-31.315	-31.315
		Mt	0.02	0.02	0.02
		My	-6.45	-2.53	1.38
		Mz	0.29	0.30	0.32
	TB-450 - D2	N	80.366	80.366	80.366
		Vy	0.124	0.124	0.124
		Vz	-74.303	-74.303	-74.303
		Mt	0.01	0.01	0.01
		My	-15.28	-5.99	3.30
		Mz	-0.31	-0.32	-0.34
	TB-450 - E1	N	10.450	10.450	10.450
		Vy	-0.083	-0.083	-0.083
		Vz	-10.793	-10.793	-10.793
		Mt	-0.01	-0.01	-0.01
		My	-2.21	-0.86	0.49
		Mz	0.22	0.23	0.24
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N112/N179	Peso próprio	N	200.848	200.890	200.932
		Vy	-0.048	-0.048	-0.048
		Vz	-98.875	-98.585	-98.295
		Mt	0.01	0.01	0.01
		My	24.45	36.80	49.10
		Mz	-0.18	-0.18	-0.17
	LAJE	N	455.259	455.259	455.259
		Vy	-0.082	-0.082	-0.082
		Vz	-172.015	-172.015	-172.015
		Mt	0.00	0.00	0.00
		My	66.65	88.16	109.66
		Mz	-0.19	-0.18	-0.17
	PAVIMENTAÇÃO	N	248.490	248.490	248.490
		Vy	-0.046	-0.046	-0.046
		Vz	-93.865	-93.865	-93.865
		Mt	0.00	0.00	0.00
		My	36.37	48.10	59.84
		Mz	-0.11	-0.10	-0.09
	RECAPEAMENTO	N	112.950	112.950	112.950
		Vy	-0.021	-0.021	-0.021
		Vz	-42.666	-42.666	-42.666
		Mt	0.00	0.00	0.00
		My	16.53	21.87	27.20
		Mz	-0.05	-0.05	-0.04
	GUARDA-RODAS	N	61.068	61.068	61.068
		Vy	-0.008	-0.008	-0.008
		Vz	-23.156	-23.156	-23.156
		Mt	0.00	0.00	0.00
		My	8.98	11.87	14.77
		Mz	-0.02	-0.02	-0.02
	Vento 0	N	-40.153	-40.153	-40.153
		Vy	7.345	7.345	7.345
		Vz	5.364	5.364	5.364
		Mt	0.05	0.05	0.05
		My	-0.15	-0.82	-1.49
		Mz	17.90	16.98	16.06
	Vento 180	N	40.927	40.927	40.927
		Vy	-10.121	-9.933	-9.746
		Vz	-2.888	-2.888	-2.888
		Mt	0.10	0.10	0.10
		My	0.18	0.54	0.90
		Mz	-13.55	-12.30	-11.07
	Multidão - Passeio	N	78.899	78.899	78.899
		Vy	-0.004	-0.004	-0.004
		Vz	-30.047	-30.047	-30.047
		Mt	0.00	0.00	0.00
		My	11.65	15.41	19.17
		Mz	-0.01	-0.01	-0.01
	Multidão - TB450	N	260.449	260.449	260.449

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	-0.061	-0.061	-0.061
		Vz	-98.071	-98.071	-98.071
		Mt	0.00	0.00	0.00
		My	37.98	50.24	62.50
		Mz	-0.14	-0.13	-0.12
	TB-450 - A1	N	29.921	29.921	29.921
		Vy	-0.040	-0.040	-0.040
		Vz	9.711	9.711	9.711
		Mt	0.02	0.02	0.02
		My	1.57	0.35	-0.86
		Mz	-0.23	-0.22	-0.22
	TB-450 - A2	N	72.419	72.419	72.419
		Vy	-0.014	-0.014	-0.014
		Vz	22.923	22.923	22.923
		Mt	0.01	0.01	0.01
		My	3.71	0.84	-2.02
		Mz	0.09	0.10	0.10
	TB-450 - B1	N	76.160	76.160	76.160
		Vy	0.148	0.148	0.148
		Vz	4.613	4.613	4.613
		Mt	0.02	0.02	0.02
		My	23.12	22.54	21.96
		Mz	0.63	0.61	0.59
	TB-450 - B2	N	175.851	175.851	175.851
		Vy	-0.138	-0.138	-0.138
		Vz	10.857	10.857	10.857
		Mt	0.02	0.02	0.02
		My	54.71	53.36	52.00
		Mz	-0.63	-0.61	-0.59
	TB-450 - C1	N	59.364	59.364	59.364
		Vy	0.111	0.111	0.111
		Vz	-50.653	-50.653	-50.653
		Mt	-0.02	-0.02	-0.02
		My	3.87	10.20	16.53
		Mz	0.52	0.51	0.49
	TB-450 - C2	N	133.936	133.936	133.936
		Vy	-0.193	-0.193	-0.193
		Vz	-119.981	-119.981	-119.981
		Mt	-0.03	-0.03	-0.03
		My	9.17	24.17	39.17
		Mz	-0.68	-0.65	-0.63
	TB-450 - D1	N	36.161	36.161	36.161
		Vy	0.053	0.053	0.053
		Vz	-31.429	-31.429	-31.429
		Mt	-0.01	-0.01	-0.01
		My	1.39	5.31	9.24
		Mz	0.27	0.26	0.26
	TB-450 - D2	N	81.551	81.551	81.551
		Vy	-0.109	-0.109	-0.109

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-74.439	-74.439	-74.439
		Mt	-0.02	-0.02	-0.02
		My	3.30	12.60	21.91
		Mz	-0.38	-0.37	-0.35
	TB-450 - E1	N	10.457	10.457	10.457
		Vy	0.080	0.080	0.080
		Vz	-10.712	-10.712	-10.712
		Mt	0.01	0.01	0.01
		My	0.49	1.83	3.16
		Mz	0.26	0.25	0.24
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.213 m	0.638 m	0.851 m	1.063 m	1.276 m	1.701 m	1.914 m	2.127 m
N179/N180	Peso próprio	N	232.435	232.506	232.648	232.719	232.789	232.860	233.002	233.073	233.143
		Vy	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046
		Vz	-4.589	-4.095	-3.108	-2.615	-2.121	-1.627	-0.640	-0.146	0.347
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	22.48	23.40	24.93	25.54	26.05	26.44	26.93	27.01	26.99
		Mz	-0.17	-0.16	-0.14	-0.13	-0.12	-0.11	-0.09	-0.08	-0.07
	LAJE	N	513.725	513.725	513.725	513.725	513.725	513.725	513.725	513.725	513.725
		Vy	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082
		Vz	-5.133	-5.133	-5.133	-5.133	-5.133	-5.133	-5.133	-5.133	-5.133
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	55.85	56.94	59.12	60.22	61.31	62.40	64.58	65.67	66.76
		Mz	-0.17	-0.15	-0.12	-0.10	-0.08	-0.06	-0.03	-0.01	0.01
	PAVIMENTAÇÃO	N	280.394	280.394	280.394	280.394	280.394	280.394	280.394	280.394	280.394
		Vy	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046
		Vz	-2.801	-2.801	-2.801	-2.801	-2.801	-2.801	-2.801	-2.801	-2.801
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	30.47	31.07	32.26	32.86	33.45	34.05	35.24	35.84	36.43
		Mz	-0.09	-0.08	-0.06	-0.06	-0.05	-0.04	-0.02	-0.01	0.00
	RECAPEAMENTO	N	127.452	127.452	127.452	127.452	127.452	127.452	127.452	127.452	127.452
		Vy	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021
		Vz	-1.273	-1.273	-1.273	-1.273	-1.273	-1.273	-1.273	-1.273	-1.273
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.85	14.12	14.66	14.94	15.21	15.48	16.02	16.29	16.56
		Mz	-0.04	-0.04	-0.03	-0.03	-0.02	-0.02	-0.01	0.00	0.00
	GUARDA-RODAS	N	68.939	68.939	68.939	68.939	68.939	68.939	68.939	68.939	68.939
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	-0.689	-0.689	-0.689	-0.689	-0.689	-0.689	-0.689	-0.689	-0.689
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.52	7.67	7.96	8.11	8.25	8.40	8.69	8.84	8.99
		Mz	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
	Vento 0	N	-41.714	-41.714	-41.714	-41.714	-41.714	-41.714	-41.714	-41.714	-41.714
		Vy	7.328	7.328	7.328	7.328	7.328	7.328	7.328	7.328	7.328
		Vz	0.752	0.752	0.752	0.752	0.752	0.752	0.752	0.752	0.752
		Mt	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.213 m	0.638 m	0.851 m	1.063 m	1.276 m	1.701 m	1.914 m	2.127 m
		My	-0.20	-0.36	-0.68	-0.84	-1.00	-1.16	-1.48	-1.64	-1.80
		Mz	16.09	14.53	11.41	9.86	8.30	6.74	3.62	2.06	0.51
	Vento 180	N	41.657	41.657	41.657	41.657	41.657	41.657	41.657	41.657	41.657
		Vy	-7.070	-6.751	-6.113	-5.794	-5.475	-5.156	-4.519	-4.200	-3.881
		Vz	-0.717	-0.717	-0.717	-0.717	-0.717	-0.717	-0.717	-0.717	-0.717
		Mt	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
		My	0.29	0.44	0.75	0.90	1.05	1.21	1.51	1.66	1.82
		Mz	-11.26	-9.79	-7.06	-5.79	-4.59	-3.46	-1.40	-0.48	0.38
	Multidão - Passeio	N	89.115	89.115	89.115	89.115	89.115	89.115	89.115	89.115	89.115
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-0.891	-0.891	-0.891	-0.891	-0.891	-0.891	-0.891	-0.891	-0.891
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.76	9.95	10.33	10.52	10.71	10.90	11.28	11.47	11.66
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
	Multidão - TB450	N	293.779	293.779	293.779	293.779	293.779	293.779	293.779	293.779	293.779
		Vy	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061
		Vz	-2.935	-2.935	-2.935	-2.935	-2.935	-2.935	-2.935	-2.935	-2.935
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	31.83	32.45	33.70	34.33	34.95	35.57	36.82	37.45	38.07
		Mz	-0.12	-0.11	-0.08	-0.07	-0.06	-0.05	-0.02	-0.01	0.01
	TB-450 - A1	N	26.644	26.644	26.644	26.644	26.644	26.644	26.644	26.644	26.644
		Vy	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038
		Vz	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.80	1.77	1.72	1.70	1.67	1.64	1.59	1.56	1.54
		Mz	-0.21	-0.20	-0.19	-0.18	-0.17	-0.16	-0.15	-0.14	-0.13
	TB-450 - A2	N	64.684	64.684	64.684	64.684	64.684	64.684	64.684	64.684	64.684
		Vy	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Vz	0.290	0.290	0.290	0.290	0.290	0.290	0.290	0.290	0.290
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.26	4.20	4.07	4.01	3.95	3.89	3.77	3.70	3.64
		Mz	0.10	0.10	0.11	0.11	0.11	0.12	0.12	0.12	0.13
	TB-450 - B1	N	76.143	76.143	76.143	76.143	76.143	76.143	76.143	76.143	76.143
		Vy	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149
		Vz	2.483	2.483	2.483	2.483	2.483	2.483	2.483	2.483	2.483
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	19.80	19.27	18.21	17.68	17.16	16.63	15.57	15.04	14.52
		Mz	0.60	0.56	0.50	0.47	0.44	0.41	0.34	0.31	0.28
	TB-450 - B2	N	175.847	175.847	175.847	175.847	175.847	175.847	175.847	175.847	175.847
		Vy	-0.134	-0.134	-0.134	-0.134	-0.134	-0.134	-0.134	-0.134	-0.134
		Vz	5.916	5.916	5.916	5.916	5.916	5.916	5.916	5.916	5.916
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	46.84	45.58	43.07	41.81	40.55	39.29	36.78	35.52	34.26
		Mz	-0.59	-0.56	-0.50	-0.48	-0.45	-0.42	-0.36	-0.33	-0.30
	TB-450 - C1	N	75.136	75.136	75.136	75.136	75.136	75.136	75.136	75.136	75.136
		Vy	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107
		Vz	-4.395	-4.395	-4.395	-4.395	-4.395	-4.395	-4.395	-4.395	-4.395
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.30	4.23	6.10	7.04	7.97	8.91	10.77	11.71	12.64
		Mz	0.49	0.47	0.42	0.40	0.37	0.35	0.31	0.28	0.26
	TB-450 - C2	N	171.317	171.317	171.317	171.317	171.317	171.317	171.317	171.317	171.317
		Vy	-0.197	-0.197	-0.197	-0.197	-0.197	-0.197	-0.197	-0.197	-0.197
		Vz	-10.349	-10.349	-10.349	-10.349	-10.349	-10.349	-10.349	-10.349	-10.349
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.80	10.00	14.40	16.60	18.80	21.01	25.41	27.61	29.81
		Mz	-0.64	-0.59	-0.51	-0.47	-0.43	-0.39	-0.30	-0.26	-0.22
	TB-450 - D1	N	46.721	46.721	46.721	46.721	46.721	46.721	46.721	46.721	46.721

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.213 m	0.638 m	0.851 m	1.063 m	1.276 m	1.701 m	1.914 m	2.127 m
		Vy	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
		Vz	-0.482	-0.482	-0.482	-0.482	-0.482	-0.482	-0.482	-0.482	-0.482
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.46	0.56	0.77	0.87	0.97	1.08	1.28	1.38	1.49
		Mz	0.25	0.24	0.22	0.21	0.20	0.19	0.17	0.16	0.15
	TB-450 - D2	N	106.574	106.574	106.574	106.574	106.574	106.574	106.574	106.574	106.574
		Vy	-0.111	-0.111	-0.111	-0.111	-0.111	-0.111	-0.111	-0.111	-0.111
		Vz	-1.107	-1.107	-1.107	-1.107	-1.107	-1.107	-1.107	-1.107	-1.107
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.09	1.33	1.80	2.04	2.27	2.51	2.98	3.21	3.45
		Mz	-0.36	-0.34	-0.29	-0.26	-0.24	-0.22	-0.17	-0.15	-0.12
	TB-450 - E1	N	14.075	14.075	14.075	14.075	14.075	14.075	14.075	14.075	14.075
		Vy	0.081	0.081	0.081	0.081	0.081	0.081	0.081	0.081	0.081
		Vz	-0.112	-0.112	-0.112	-0.112	-0.112	-0.112	-0.112	-0.112	-0.112
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.15	0.17	0.22	0.25	0.27	0.29	0.34	0.37	0.39
		Mz	0.25	0.23	0.19	0.18	0.16	0.14	0.11	0.09	0.07
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N180/N19	Peso próprio	N	237.617	237.659	237.700
		Vy	-0.045	-0.045	-0.045
		Vz	-75.805	-75.515	-75.225
		Mt	-0.01	-0.01	-0.01
		My	12.32	21.78	31.20
		Mz	-0.07	-0.06	-0.06
	LAJE	N	521.116	521.116	521.116
		Vy	-0.082	-0.082	-0.082
		Vz	-176.999	-176.999	-176.999
		Mt	0.00	0.00	0.00
		My	40.50	62.62	84.75
		Mz	0.01	0.02	0.03
	PAVIMENTAÇÃO	N	284.427	284.427	284.427
		Vy	-0.046	-0.046	-0.046
		Vz	-96.584	-96.584	-96.584
		Mt	0.00	0.00	0.00
		My	22.10	34.17	46.25
		Mz	0.00	0.01	0.01
	RECAPEAMENTO	N	129.285	129.285	129.285
		Vy	-0.021	-0.021	-0.021
		Vz	-43.902	-43.902	-43.902
		Mt	0.00	0.00	0.00
		My	10.05	15.53	21.02
		Mz	0.00	0.00	0.01
	GUARDA-RODAS	N	69.934	69.934	69.934

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	-0.008	-0.008	-0.008
		Vz	-23.827	-23.827	-23.827
		Mt	0.00	0.00	0.00
		My	5.45	8.43	11.41
		Mz	0.00	0.00	0.00
	Vento 0	N	-41.943	-41.943	-41.943
		Vy	7.340	7.340	7.340
		Vz	5.339	5.339	5.339
		Mt	0.06	0.06	0.06
		My	-0.99	-1.66	-2.33
		Mz	0.54	-0.38	-1.30
	Vento 180	N	41.742	41.742	41.742
		Vy	-1.329	-1.141	-0.956
		Vz	-2.866	-2.866	-2.866
		Mt	-0.13	-0.13	-0.13
		My	1.52	1.88	2.24
		Mz	0.35	0.51	0.64
	Multidão - Passeio	N	90.406	90.406	90.406
		Vy	-0.004	-0.004	-0.004
		Vz	-30.919	-30.919	-30.919
		Mt	0.00	0.00	0.00
		My	7.07	10.94	14.80
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	297.992	297.992	297.992
		Vy	-0.061	-0.061	-0.061
		Vz	-100.909	-100.909	-100.909
		Mt	0.00	0.00	0.00
		My	23.09	35.71	48.32
		Mz	0.01	0.01	0.02
	TB-450 - A1	N	26.000	26.000	26.000
		Vy	-0.037	-0.037	-0.037
		Vz	10.486	10.486	10.486
		Mt	0.00	0.00	0.00
		My	3.85	2.54	1.23
		Mz	-0.13	-0.13	-0.12
	TB-450 - A2	N	63.165	63.165	63.165
		Vy	-0.013	-0.013	-0.013
		Vz	24.754	24.754	24.754
		Mt	0.00	0.00	0.00
		My	9.11	6.01	2.92
		Mz	0.13	0.13	0.13
	TB-450 - B1	N	75.563	75.563	75.563
		Vy	0.146	0.146	0.146
		Vz	2.737	2.737	2.737
		Mt	0.02	0.02	0.02
		My	16.79	16.44	16.10
		Mz	0.28	0.26	0.24
	TB-450 - B2	N	174.480	174.480	174.480
		Vy	-0.131	-0.131	-0.131

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	6.416	6.416	6.416
		Mt	-0.02	-0.02	-0.02
		My	39.61	38.81	38.01
		Mz	-0.31	-0.29	-0.27
	TB-450 - C1	N	77.322	77.322	77.322
		Vy	0.104	0.104	0.104
		Vz	-50.704	-50.704	-50.704
		Mt	0.02	0.02	0.02
		My	4.77	11.11	17.45
		Mz	0.26	0.25	0.24
	TB-450 - C2	N	176.500	176.500	176.500
		Vy	-0.195	-0.195	-0.195
		Vz	-120.103	-120.103	-120.103
		Mt	-0.02	-0.02	-0.02
		My	11.15	26.17	41.18
		Mz	-0.22	-0.19	-0.17
	TB-450 - D1	N	48.509	48.509	48.509
		Vy	0.049	0.049	0.049
		Vz	-32.213	-32.213	-32.213
		Mt	0.01	0.01	0.01
		My	-4.97	-0.94	3.08
		Mz	0.15	0.14	0.13
	TB-450 - D2	N	110.813	110.813	110.813
		Vy	-0.110	-0.110	-0.110
		Vz	-76.298	-76.298	-76.298
		Mt	-0.01	-0.01	-0.01
		My	-11.85	-2.31	7.22
		Mz	-0.12	-0.11	-0.10
	TB-450 - E1	N	14.692	14.692	14.692
		Vy	0.081	0.081	0.081
		Vz	-11.048	-11.048	-11.048
		Mt	0.00	0.00	0.00
		My	-1.84	-0.46	0.92
		Mz	0.07	0.06	0.05
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N9/N146	Peso próprio	N	-223.357	-223.346	-223.335
		Vy	0.024	0.024	0.024
		Vz	-27.715	-27.483	-27.250
		Mt	-0.01	-0.01	-0.01
		My	10.75	14.20	17.62

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mz	0.16	0.16	0.16
	LAJE	N	-545.800	-545.800	-545.800
		Vy	0.035	0.035	0.035
		Vz	-64.452	-64.452	-64.452
		Mt	0.00	0.00	0.00
		My	30.86	38.92	46.98
		Mz	0.01	0.01	0.00
	PAVIMENTAÇÃO	N	-297.827	-297.827	-297.827
		Vy	0.019	0.019	0.019
		Vz	-35.170	-35.170	-35.170
		Mt	0.00	0.00	0.00
		My	16.84	21.24	25.63
		Mz	0.01	0.00	0.00
	RECAPEAMENTO	N	-135.376	-135.376	-135.376
		Vy	0.009	0.009	0.009
		Vz	-15.986	-15.986	-15.986
		Mt	0.00	0.00	0.00
		My	7.66	9.65	11.65
		Mz	0.00	0.00	0.00
	GUARDA-RODAS	N	-73.484	-73.484	-73.484
		Vy	0.005	0.005	0.005
		Vz	-8.676	-8.676	-8.676
		Mt	0.00	0.00	0.00
		My	4.15	5.24	6.32
		Mz	0.00	0.00	0.00
	Vento 0	N	10.169	10.169	10.169
		Vy	2.431	2.319	2.206
		Vz	-0.669	-0.669	-0.669
		Mt	-0.53	-0.53	-0.53
		My	1.30	1.39	1.47
		Mz	12.76	12.47	12.18
	Vento 180	N	-9.029	-9.029	-9.029
		Vy	1.567	1.567	1.567
		Vz	-1.503	-1.503	-1.503
		Mt	0.44	0.44	0.44
		My	-1.26	-1.07	-0.88
		Mz	-10.19	-10.39	-10.58
	Multidão - Passeio	N	-95.368	-95.368	-95.368
		Vy	0.006	0.006	0.006
		Vz	-11.258	-11.258	-11.258
		Mt	0.00	0.00	0.00
		My	5.39	6.79	8.20
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	-311.132	-311.132	-311.132
		Vy	0.020	0.020	0.020
		Vz	-36.745	-36.745	-36.745
		Mt	0.00	0.00	0.00
		My	17.60	22.20	26.79
		Mz	0.01	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
	TB-450 - A1	N	-53.940	-53.940	-53.940
		Vy	0.009	0.009	0.009
		Vz	23.416	23.416	23.416
		Mt	0.00	0.00	0.00
		My	0.01	-2.92	-5.85
		Mz	-0.05	-0.05	-0.05
	TB-450 - A2	N	-22.776	-22.776	-22.776
		Vy	-0.005	-0.005	-0.005
		Vz	9.932	9.932	9.932
		Mt	0.00	0.00	0.00
		My	0.00	-1.24	-2.48
		Mz	0.04	0.05	0.05
	TB-450 - B1	N	-155.184	-155.184	-155.184
		Vy	0.030	0.030	0.030
		Vz	61.126	61.126	61.126
		Mt	0.01	0.01	0.01
		My	9.92	2.28	-5.36
		Mz	-0.11	-0.12	-0.12
	TB-450 - B2	N	-65.424	-65.424	-65.424
		Vy	-0.019	-0.019	-0.019
		Vz	25.913	25.913	25.913
		Mt	-0.01	-0.01	-0.01
		My	4.21	0.98	-2.26
		Mz	0.11	0.11	0.12
	TB-450 - C1	N	-200.088	-200.088	-200.088
		Vy	0.056	0.056	0.056
		Vz	-55.347	-55.347	-55.347
		Mt	0.01	0.01	0.01
		My	23.51	30.43	37.35
		Mz	-0.17	-0.17	-0.18
	TB-450 - C2	N	-84.277	-84.277	-84.277
		Vy	-0.039	-0.039	-0.039
		Vz	-23.279	-23.279	-23.279
		Mt	-0.01	-0.01	-0.01
		My	9.96	12.87	15.78
		Mz	0.17	0.17	0.18
	TB-450 - D1	N	-134.947	-134.947	-134.947
		Vy	0.048	0.048	0.048
		Vz	-73.670	-73.670	-73.670
		Mt	0.01	0.01	0.01
		My	0.33	9.54	18.75
		Mz	-0.09	-0.10	-0.10
	TB-450 - D2	N	-56.757	-56.757	-56.757
		Vy	-0.033	-0.033	-0.033
		Vz	-31.061	-31.061	-31.061
		Mt	-0.01	-0.01	-0.01
		My	0.16	4.04	7.92
		Mz	0.10	0.10	0.11
	TB-450 - E1	N	-46.139	-46.139	-46.139

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	0.016	0.016	0.016
		Vz	-25.377	-25.377	-25.377
		Mt	0.00	0.00	0.00
		My	-0.46	2.72	5.89
		Mz	-0.03	-0.03	-0.03
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
N146/N99	Peso próprio	N	-225.933	-225.918	-225.903	-225.888	-225.873	-225.858	-225.843
		Vy	0.025	0.025	0.025	0.025	0.025	0.025	0.025
		Vz	-0.680	-0.354	-0.028	0.298	0.624	0.951	1.277
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	15.22	15.31	15.34	15.32	15.24	15.10	14.90
		Mz	0.16	0.15	0.15	0.15	0.14	0.14	0.13
	LAJE	N	-552.769	-552.769	-552.769	-552.769	-552.769	-552.769	-552.769
		Vy	0.035	0.035	0.035	0.035	0.035	0.035	0.035
		Vz	1.922	1.922	1.922	1.922	1.922	1.922	1.922
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	41.86	41.52	41.18	40.84	40.51	40.17	39.83
		Mz	0.00	0.00	-0.01	-0.01	-0.02	-0.03	-0.03
	PAVIMENTAÇÃO	N	-301.630	-301.630	-301.630	-301.630	-301.630	-301.630	-301.630
		Vy	0.019	0.019	0.019	0.019	0.019	0.019	0.019
		Vz	1.049	1.049	1.049	1.049	1.049	1.049	1.049
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	22.84	22.66	22.47	22.29	22.10	21.92	21.74
		Mz	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.02
	RECAPEAMENTO	N	-137.104	-137.104	-137.104	-137.104	-137.104	-137.104	-137.104
		Vy	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vz	0.477	0.477	0.477	0.477	0.477	0.477	0.477
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	10.38	10.30	10.21	10.13	10.05	9.96	9.88
		Mz	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01
	GUARDA-RODAS	N	-74.422	-74.422	-74.422	-74.422	-74.422	-74.422	-74.422
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	0.259	0.259	0.259	0.259	0.259	0.259	0.259
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.63	5.59	5.54	5.50	5.45	5.41	5.36
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	10.066	10.066	10.066	10.066	10.066	10.066	10.066
		Vy	-0.609	-0.767	-0.925	-1.082	-1.240	-1.398	-1.556
		Vz	-0.138	-0.138	-0.138	-0.138	-0.138	-0.138	-0.138
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	1.25	1.28	1.30	1.32	1.35	1.37	1.40
		Mz	12.21	12.34	12.48	12.66	12.86	13.09	13.35

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
	Vento 180	N	-9.256	-9.256	-9.256	-9.256	-9.256	-9.256	-9.256
		Vy	1.507	1.507	1.507	1.507	1.507	1.507	1.507
		Vz	0.197	0.197	0.197	0.197	0.197	0.197	0.197
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-1.10	-1.14	-1.17	-1.21	-1.24	-1.27	-1.31
		Mz	-10.62	-10.88	-11.14	-11.41	-11.67	-11.94	-12.20
	Multidão - Passeio	N	-96.585	-96.585	-96.585	-96.585	-96.585	-96.585	-96.585
		Vy	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vz	0.336	0.336	0.336	0.336	0.336	0.336	0.336
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.31	7.25	7.19	7.13	7.07	7.01	6.95
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
	Multidão - TB450	N	-315.105	-315.105	-315.105	-315.105	-315.105	-315.105	-315.105
		Vy	0.020	0.020	0.020	0.020	0.020	0.020	0.020
		Vz	1.096	1.096	1.096	1.096	1.096	1.096	1.096
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	23.87	23.68	23.48	23.29	23.10	22.91	22.72
		Mz	0.00	0.00	0.00	-0.01	-0.01	-0.02	-0.02
	TB-450 - A1	N	-50.276	-50.276	-50.276	-50.276	-50.276	-50.276	-50.276
		Vy	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vz	-0.794	-0.794	-0.794	-0.794	-0.794	-0.794	-0.794
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.90	-0.76	-0.62	-0.48	-0.34	-0.21	-0.07
		Mz	-0.05	-0.05	-0.05	-0.05	-0.05	-0.06	-0.06
	TB-450 - A2	N	-21.222	-21.222	-21.222	-21.222	-21.222	-21.222	-21.222
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	-0.338	-0.338	-0.338	-0.338	-0.338	-0.338	-0.338
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.39	-0.33	-0.27	-0.21	-0.15	-0.09	-0.03
		Mz	0.05	0.05	0.05	0.05	0.05	0.05	0.05
	TB-450 - B1	N	-146.069	-146.069	-146.069	-146.069	-146.069	-146.069	-146.069
		Vy	0.030	0.030	0.030	0.030	0.030	0.030	0.030
		Vz	1.074	1.074	1.074	1.074	1.074	1.074	1.074
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.69	6.50	6.31	6.12	5.93	5.75	5.56
		Mz	-0.12	-0.13	-0.13	-0.14	-0.14	-0.15	-0.15
	TB-450 - B2	N	-61.559	-61.559	-61.559	-61.559	-61.559	-61.559	-61.559
		Vy	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
		Vz	0.449	0.449	0.449	0.449	0.449	0.449	0.449
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.84	2.77	2.69	2.61	2.53	2.45	2.37
		Mz	0.12	0.12	0.13	0.13	0.13	0.14	0.14
	TB-450 - C1	N	-206.106	-206.106	-206.106	-206.106	-206.106	-206.106	-206.106
		Vy	0.056	0.056	0.056	0.056	0.056	0.056	0.056
		Vz	0.858	0.858	0.858	0.858	0.858	0.858	0.858
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	32.70	32.54	32.39	32.24	32.09	31.94	31.79
		Mz	-0.18	-0.19	-0.20	-0.21	-0.22	-0.23	-0.24
	TB-450 - C2	N	-86.805	-86.805	-86.805	-86.805	-86.805	-86.805	-86.805
		Vy	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038
		Vz	0.358	0.358	0.358	0.358	0.358	0.358	0.358
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		My	13.84	13.77	13.71	13.65	13.58	13.52	13.46
		Mz	0.18	0.19	0.20	0.20	0.21	0.22	0.22
	TB-450 - D1	N	-145.472	-145.472	-145.472	-145.472	-145.472	-145.472	-145.472
		Vy	0.048	0.048	0.048	0.048	0.048	0.048	0.048
		Vz	-0.155	-0.155	-0.155	-0.155	-0.155	-0.155	-0.155
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.57	5.60	5.63	5.65	5.68	5.71	5.74
		Mz	-0.10	-0.11	-0.12	-0.13	-0.14	-0.15	-0.15
	TB-450 - D2	N	-61.194	-61.194	-61.194	-61.194	-61.194	-61.194	-61.194
		Vy	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033
		Vz	-0.071	-0.071	-0.071	-0.071	-0.071	-0.071	-0.071
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.37	2.38	2.40	2.41	2.42	2.43	2.45
		Mz	0.11	0.12	0.12	0.13	0.13	0.14	0.14
	TB-450 - E1	N	-49.938	-49.938	-49.938	-49.938	-49.938	-49.938	-49.938
		Vy	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vz	1.106	1.106	1.106	1.106	1.106	1.106	1.106
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.15	0.95	0.76	0.56	0.37	0.18	-0.02
		Mz	-0.03	-0.03	-0.04	-0.04	-0.04	-0.05	-0.05
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
N99/N145	Peso próprio	N	-225.843	-225.828	-225.813	-225.798	-225.783	-225.768	-225.753
		Vy	0.025	0.025	0.025	0.025	0.025	0.025	0.025
		Vz	1.277	1.603	1.929	2.255	2.581	2.907	3.233
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.90	14.65	14.34	13.98	13.55	13.07	12.53
		Mz	0.13	0.13	0.12	0.12	0.11	0.11	0.11
	LAJE	N	-552.769	-552.769	-552.769	-552.769	-552.769	-552.769	-552.769
		Vy	0.035	0.035	0.035	0.035	0.035	0.035	0.035
		Vz	1.922	1.922	1.922	1.922	1.922	1.922	1.922
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	39.83	39.50	39.16	38.82	38.49	38.15	37.81
		Mz	-0.03	-0.04	-0.04	-0.05	-0.06	-0.06	-0.07
	PAVIMENTAÇÃO	N	-301.630	-301.630	-301.630	-301.630	-301.630	-301.630	-301.630
		Vy	0.019	0.019	0.019	0.019	0.019	0.019	0.019
		Vz	1.049	1.049	1.049	1.049	1.049	1.049	1.049
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	21.74	21.55	21.37	21.19	21.00	20.82	20.63
		Mz	-0.02	-0.02	-0.02	-0.03	-0.03	-0.03	-0.04
	RECAPEAMENTO	N	-137.104	-137.104	-137.104	-137.104	-137.104	-137.104	-137.104
		Vy	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vz	0.477	0.477	0.477	0.477	0.477	0.477	0.477

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.88	9.80	9.71	9.63	9.55	9.46	9.38
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02
	GUARDA-RODAS	N	-74.422	-74.422	-74.422	-74.422	-74.422	-74.422	-74.422
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	0.259	0.259	0.259	0.259	0.259	0.259	0.259
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.36	5.32	5.27	5.22	5.18	5.13	5.09
		Mz	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	Vento 0	N	10.066	10.066	10.066	10.066	10.066	10.066	10.066
		Vy	-1.556	-1.713	-1.871	-2.029	-2.186	-2.344	-2.502
		Vz	-0.138	-0.138	-0.138	-0.138	-0.138	-0.138	-0.138
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	1.40	1.42	1.45	1.47	1.49	1.52	1.54
		Mz	13.35	13.64	13.95	14.30	14.66	15.06	15.49
	Vento 180	N	-9.256	-9.256	-9.256	-9.256	-9.256	-9.256	-9.256
		Vy	1.507	1.507	1.507	1.507	1.507	1.507	1.507
		Vz	0.197	0.197	0.197	0.197	0.197	0.197	0.197
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-1.31	-1.34	-1.38	-1.41	-1.45	-1.48	-1.52
		Mz	-12.20	-12.46	-12.73	-12.99	-13.26	-13.52	-13.78
	Multidão - Passeio	N	-96.585	-96.585	-96.585	-96.585	-96.585	-96.585	-96.585
		Vy	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vz	0.336	0.336	0.336	0.336	0.336	0.336	0.336
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.95	6.89	6.84	6.78	6.72	6.66	6.60
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	Multidão - TB450	N	-315.105	-315.105	-315.105	-315.105	-315.105	-315.105	-315.105
		Vy	0.020	0.020	0.020	0.020	0.020	0.020	0.020
		Vz	1.096	1.096	1.096	1.096	1.096	1.096	1.096
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	22.72	22.52	22.33	22.14	21.95	21.76	21.56
		Mz	-0.02	-0.02	-0.03	-0.03	-0.03	-0.04	-0.04
	TB-450 - A1	N	-50.276	-50.276	-50.276	-50.276	-50.276	-50.276	-50.276
		Vy	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vz	-0.794	-0.794	-0.794	-0.794	-0.794	-0.794	-0.794
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.07	0.07	0.21	0.35	0.49	0.63	0.77
		Mz	-0.06	-0.06	-0.06	-0.06	-0.06	-0.07	-0.07
	TB-450 - A2	N	-21.222	-21.222	-21.222	-21.222	-21.222	-21.222	-21.222
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	-0.338	-0.338	-0.338	-0.338	-0.338	-0.338	-0.338
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.03	0.03	0.09	0.15	0.21	0.26	0.32
		Mz	0.05	0.05	0.05	0.05	0.06	0.06	0.06
	TB-450 - B1	N	-146.069	-146.069	-146.069	-146.069	-146.069	-146.069	-146.069
		Vy	0.030	0.030	0.030	0.030	0.030	0.030	0.030
		Vz	1.074	1.074	1.074	1.074	1.074	1.074	1.074
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.56	5.37	5.18	4.99	4.81	4.62	4.43
		Mz	-0.15	-0.16	-0.16	-0.17	-0.18	-0.18	-0.19
	TB-450 - B2	N	-61.559	-61.559	-61.559	-61.559	-61.559	-61.559	-61.559

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		Vy	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
		Vz	0.449	0.449	0.449	0.449	0.449	0.449	0.449
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.37	2.29	2.21	2.14	2.06	1.98	1.90
		Mz	0.14	0.14	0.15	0.15	0.15	0.15	0.16
	TB-450 - C1	N	-206.106	-206.106	-206.106	-206.106	-206.106	-206.106	-206.106
		Vy	0.056	0.056	0.056	0.056	0.056	0.056	0.056
		Vz	0.858	0.858	0.858	0.858	0.858	0.858	0.858
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	31.79	31.64	31.49	31.34	31.19	31.04	30.89
		Mz	-0.24	-0.25	-0.26	-0.27	-0.28	-0.29	-0.30
	TB-450 - C2	N	-86.805	-86.805	-86.805	-86.805	-86.805	-86.805	-86.805
		Vy	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038
		Vz	0.358	0.358	0.358	0.358	0.358	0.358	0.358
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.46	13.40	13.33	13.27	13.21	13.15	13.08
		Mz	0.22	0.23	0.24	0.24	0.25	0.26	0.26
	TB-450 - D1	N	-145.472	-145.472	-145.472	-145.472	-145.472	-145.472	-145.472
		Vy	0.048	0.048	0.048	0.048	0.048	0.048	0.048
		Vz	-0.155	-0.155	-0.155	-0.155	-0.155	-0.155	-0.155
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.74	5.76	5.79	5.82	5.84	5.87	5.90
		Mz	-0.15	-0.16	-0.17	-0.18	-0.19	-0.20	-0.20
	TB-450 - D2	N	-61.194	-61.194	-61.194	-61.194	-61.194	-61.194	-61.194
		Vy	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033
		Vz	-0.071	-0.071	-0.071	-0.071	-0.071	-0.071	-0.071
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.45	2.46	2.47	2.48	2.49	2.51	2.52
		Mz	0.14	0.15	0.16	0.16	0.17	0.17	0.18
	TB-450 - E1	N	-49.938	-49.938	-49.938	-49.938	-49.938	-49.938	-49.938
		Vy	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vz	1.106	1.106	1.106	1.106	1.106	1.106	1.106
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.02	-0.21	-0.40	-0.60	-0.79	-0.99	-1.18
		Mz	-0.05	-0.05	-0.05	-0.06	-0.06	-0.06	-0.07
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N145/N10	Peso próprio	N	-223.517	-223.506	-223.496
		Vy	0.026	0.026	0.026
		Vz	18.653	18.885	19.118
		Mt	0.00	0.00	0.00
		My	12.46	10.11	7.74
		Mz	0.11	0.10	0.10

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
	LAJE	N	-540.192	-540.192	-540.192
		Vy	0.034	0.034	0.034
		Vz	67.438	67.438	67.438
		Mt	-0.01	-0.01	-0.01
		My	42.07	33.64	25.21
		Mz	-0.07	-0.07	-0.08
	PAVIMENTAÇÃO	N	-294.767	-294.767	-294.767
		Vy	0.019	0.019	0.019
		Vz	36.799	36.799	36.799
		Mt	0.00	0.00	0.00
		My	22.96	18.36	13.76
		Mz	-0.04	-0.04	-0.04
	RECAPEAMENTO	N	-133.985	-133.985	-133.985
		Vy	0.008	0.008	0.008
		Vz	16.727	16.727	16.727
		Mt	0.00	0.00	0.00
		My	10.43	8.34	6.25
		Mz	-0.02	-0.02	-0.02
	GUARDA-RODAS	N	-72.729	-72.729	-72.729
		Vy	0.005	0.005	0.005
		Vz	9.078	9.078	9.078
		Mt	0.00	0.00	0.00
		My	5.66	4.53	3.39
		Mz	-0.01	-0.01	-0.01
	Vento 0	N	10.200	10.200	10.200
		Vy	-5.259	-5.372	-5.484
		Vz	0.318	0.318	0.318
		Mt	1.07	1.07	1.07
		My	1.75	1.72	1.68
		Mz	15.32	15.98	16.66
	Vento 180	N	-9.911	-9.911	-9.911
		Vy	1.365	1.365	1.365
		Vz	-2.468	-2.468	-2.468
		Mt	-0.90	-0.90	-0.90
		My	-2.12	-1.81	-1.51
		Mz	-13.64	-13.81	-13.98
	Multidão - Passeio	N	-94.388	-94.388	-94.388
		Vy	0.006	0.006	0.006
		Vz	11.780	11.780	11.780
		Mt	0.00	0.00	0.00
		My	7.34	5.87	4.40
		Mz	-0.01	-0.01	-0.01
	Multidão - TB450	N	-307.934	-307.934	-307.934
		Vy	0.019	0.019	0.019
		Vz	38.448	38.448	38.448
		Mt	0.00	0.00	0.00
		My	23.99	19.18	14.38
		Mz	-0.04	-0.04	-0.04
	TB-450 - A1	N	-44.121	-44.121	-44.121

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	0.008	0.008	0.008
		Vz	25.579	25.579	25.579
		Mt	0.00	0.00	0.00
		My	5.33	2.13	-1.07
		Mz	-0.07	-0.07	-0.07
	TB-450 - A2	N	-18.611	-18.611	-18.611
		Vy	-0.004	-0.004	-0.004
		Vz	10.851	10.851	10.851
		Mt	0.00	0.00	0.00
		My	2.26	0.90	-0.45
		Mz	0.06	0.06	0.06
	TB-450 - B1	N	-129.014	-129.014	-129.014
		Vy	0.027	0.027	0.027
		Vz	74.245	74.245	74.245
		Mt	-0.01	-0.01	-0.01
		My	17.08	7.80	-1.48
		Mz	-0.19	-0.19	-0.19
	TB-450 - B2	N	-54.327	-54.327	-54.327
		Vy	-0.016	-0.016	-0.016
		Vz	31.477	31.477	31.477
		Mt	0.00	0.00	0.00
		My	7.27	3.33	-0.60
		Mz	0.16	0.16	0.16
	TB-450 - C1	N	-195.275	-195.275	-195.275
		Vy	0.052	0.052	0.052
		Vz	55.883	55.883	55.883
		Mt	-0.01	-0.01	-0.01
		My	35.11	28.13	21.14
		Mz	-0.30	-0.30	-0.31
	TB-450 - C2	N	-82.200	-82.200	-82.200
		Vy	-0.035	-0.035	-0.035
		Vz	23.723	23.723	23.723
		Mt	0.01	0.01	0.01
		My	14.89	11.93	8.96
		Mz	0.26	0.27	0.27
	TB-450 - D1	N	-160.104	-160.104	-160.104
		Vy	0.045	0.045	0.045
		Vz	-60.061	-60.061	-60.061
		Mt	-0.01	-0.01	-0.01
		My	-6.08	1.43	8.94
		Mz	-0.20	-0.21	-0.21
	TB-450 - D2	N	-67.355	-67.355	-67.355
		Vy	-0.030	-0.030	-0.030
		Vz	-25.293	-25.293	-25.293
		Mt	0.01	0.01	0.01
		My	-2.52	0.64	3.80
		Mz	0.18	0.18	0.19
	TB-450 - E1	N	-55.818	-55.818	-55.818
		Vy	0.015	0.015	0.015

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-23.024	-23.024	-23.024
		Mt	0.00	0.00	0.00
		My	-6.09	-3.21	-0.33
		Mz	-0.07	-0.07	-0.07
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N5/N166	Peso próprio	N	-249.658	-249.647	-249.636
		Vy	-0.056	-0.056	-0.056
		Vz	-42.170	-41.938	-41.705
		Mt	0.00	0.00	0.00
		My	10.49	15.75	20.98
		Mz	-0.08	-0.08	-0.07
	LAJE	N	-545.775	-545.775	-545.775
		Vy	-0.045	-0.045	-0.045
		Vz	-64.479	-64.479	-64.479
		Mt	0.00	0.00	0.00
		My	30.87	38.93	46.99
		Mz	0.01	0.02	0.02
	PAVIMENTAÇÃO	N	-297.814	-297.814	-297.814
		Vy	-0.025	-0.025	-0.025
		Vz	-35.185	-35.185	-35.185
		Mt	0.00	0.00	0.00
		My	16.84	21.24	25.64
		Mz	0.01	0.01	0.01
	RECAPEAMENTO	N	-135.370	-135.370	-135.370
		Vy	-0.011	-0.011	-0.011
		Vz	-15.993	-15.993	-15.993
		Mt	0.00	0.00	0.00
		My	7.66	9.66	11.65
		Mz	0.00	0.00	0.01
	GUARDA-RODAS	N	-73.480	-73.480	-73.480
		Vy	-0.006	-0.006	-0.006
		Vz	-8.680	-8.680	-8.680
		Mt	0.00	0.00	0.00
		My	4.15	5.24	6.32
		Mz	0.00	0.00	0.00
	Vento 0	N	-10.572	-10.572	-10.572
		Vy	-1.876	-1.876	-1.876
		Vz	0.668	0.668	0.668
		Mt	-0.54	-0.54	-0.54
		My	-1.30	-1.39	-1.47

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mz	12.99	13.22	13.46
	Vento 180	N	7.870	7.870	7.870
		Vy	-2.735	-2.623	-2.510
		Vz	1.503	1.503	1.503
		Mt	0.43	0.43	0.43
		My	1.26	1.07	0.88
		Mz	-9.97	-9.64	-9.32
	Multidão - Passeio	N	-95.364	-95.364	-95.364
		Vy	-0.008	-0.008	-0.008
		Vz	-11.263	-11.263	-11.263
		Mt	0.00	0.00	0.00
		My	5.39	6.79	8.20
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	-311.118	-311.118	-311.118
		Vy	-0.026	-0.026	-0.026
		Vz	-36.761	-36.761	-36.761
		Mt	0.00	0.00	0.00
		My	17.60	22.20	26.80
		Mz	0.01	0.01	0.01
	TB-450 - A1	N	-22.775	-22.775	-22.775
		Vy	0.005	0.005	0.005
		Vz	9.931	9.931	9.931
		Mt	0.00	0.00	0.00
		My	0.00	-1.24	-2.48
		Mz	-0.04	-0.04	-0.05
	TB-450 - A2	N	-53.939	-53.939	-53.939
		Vy	-0.009	-0.009	-0.009
		Vz	23.415	23.415	23.415
		Mt	0.00	0.00	0.00
		My	0.01	-2.92	-5.85
		Mz	0.05	0.05	0.05
	TB-450 - B1	N	-65.419	-65.419	-65.419
		Vy	0.017	0.017	0.017
		Vz	25.908	25.908	25.908
		Mt	0.01	0.01	0.01
		My	4.21	0.98	-2.26
		Mz	-0.11	-0.11	-0.11
	TB-450 - B2	N	-155.181	-155.181	-155.181
		Vy	-0.031	-0.031	-0.031
		Vz	61.122	61.122	61.122
		Mt	-0.01	-0.01	-0.01
		My	9.92	2.28	-5.36
		Mz	0.12	0.12	0.12
	TB-450 - C1	N	-84.270	-84.270	-84.270
		Vy	0.037	0.037	0.037
		Vz	-23.287	-23.287	-23.287
		Mt	0.01	0.01	0.01
		My	9.96	12.87	15.79
		Mz	-0.17	-0.17	-0.17

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
	TB-450 - C2	N	-200.082	-200.082	-200.082
		Vy	-0.058	-0.058	-0.058
		Vz	-55.353	-55.353	-55.353
		Mt	-0.01	-0.01	-0.01
		My	23.51	30.43	37.35
		Mz	0.17	0.18	0.18
	TB-450 - D1	N	-56.750	-56.750	-56.750
		Vy	0.030	0.030	0.030
		Vz	-31.070	-31.070	-31.070
		Mt	0.01	0.01	0.01
		My	0.16	4.04	7.93
		Mz	-0.09	-0.10	-0.10
	TB-450 - D2	N	-134.940	-134.940	-134.940
		Vy	-0.051	-0.051	-0.051
		Vz	-73.678	-73.678	-73.678
		Mt	-0.01	-0.01	-0.01
		My	0.33	9.54	18.75
		Mz	0.10	0.10	0.11
	TB-450 - E1	N	-19.473	-19.473	-19.473
		Vy	0.009	0.009	0.009
		Vz	-10.722	-10.722	-10.722
		Mt	0.00	0.00	0.00
		My	-0.19	1.15	2.49
		Mz	-0.03	-0.03	-0.03
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
N166/N6	Peso próprio	N	-254.396	-254.381	-254.366	-254.351	-254.336	-254.321	-254.306
		Vy	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056
		Vz	-0.064	0.262	0.588	0.914	1.241	1.567	1.893
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	15.88	15.86	15.79	15.65	15.47	15.22	14.92
		Mz	-0.07	-0.06	-0.05	-0.04	-0.03	-0.02	-0.01
	LAJE	N	-552.745	-552.745	-552.745	-552.745	-552.745	-552.745	-552.745
		Vy	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045
		Vz	1.904	1.904	1.904	1.904	1.904	1.904	1.904
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	41.86	41.53	41.20	40.86	40.53	40.20	39.86
		Mz	0.02	0.03	0.04	0.05	0.05	0.06	0.07
	PAVIMENTAÇÃO	N	-301.617	-301.617	-301.617	-301.617	-301.617	-301.617	-301.617
		Vy	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
		Vz	1.039	1.039	1.039	1.039	1.039	1.039	1.039
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		My	22.85	22.66	22.48	22.30	22.12	21.93	21.75
		Mz	0.01	0.02	0.02	0.03	0.03	0.03	0.04
	RECAPEAMENTO	N	-137.099	-137.099	-137.099	-137.099	-137.099	-137.099	-137.099
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	0.472	0.472	0.472	0.472	0.472	0.472	0.472
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	10.38	10.30	10.22	10.14	10.05	9.97	9.89
		Mz	0.01	0.01	0.01	0.01	0.01	0.02	0.02
	GUARDA-RODAS	N	-74.418	-74.418	-74.418	-74.418	-74.418	-74.418	-74.418
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	0.256	0.256	0.256	0.256	0.256	0.256	0.256
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.63	5.59	5.54	5.50	5.45	5.41	5.36
		Mz	0.00	0.00	0.01	0.01	0.01	0.01	0.01
	Vento 0	N	-10.468	-10.468	-10.468	-10.468	-10.468	-10.468	-10.468
		Vy	-1.796	-1.796	-1.796	-1.796	-1.796	-1.796	-1.796
		Vz	0.139	0.139	0.139	0.139	0.139	0.139	0.139
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	-1.25	-1.28	-1.30	-1.32	-1.35	-1.37	-1.40
		Mz	13.49	13.81	14.12	14.44	14.75	15.06	15.38
	Vento 180	N	8.097	8.097	8.097	8.097	8.097	8.097	8.097
		Vy	0.326	0.484	0.641	0.799	0.957	1.115	1.272
		Vz	-0.197	-0.197	-0.197	-0.197	-0.197	-0.197	-0.197
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	1.10	1.14	1.17	1.21	1.24	1.28	1.31
		Mz	-9.35	-9.42	-9.52	-9.64	-9.80	-9.98	-10.19
	Multidão - Passeio	N	-96.581	-96.581	-96.581	-96.581	-96.581	-96.581	-96.581
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	0.333	0.333	0.333	0.333	0.333	0.333	0.333
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.31	7.25	7.19	7.13	7.08	7.02	6.96
		Mz	0.00	0.01	0.01	0.01	0.01	0.01	0.01
	Multidão - TB450	N	-315.092	-315.092	-315.092	-315.092	-315.092	-315.092	-315.092
		Vy	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026
		Vz	1.085	1.085	1.085	1.085	1.085	1.085	1.085
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	23.87	23.68	23.49	23.30	23.11	22.92	22.73
		Mz	0.01	0.02	0.02	0.03	0.03	0.04	0.04
	TB-450 - A1	N	-21.221	-21.221	-21.221	-21.221	-21.221	-21.221	-21.221
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	-0.338	-0.338	-0.338	-0.338	-0.338	-0.338	-0.338
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.39	-0.33	-0.27	-0.21	-0.15	-0.09	-0.03
		Mz	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
	TB-450 - A2	N	-50.275	-50.275	-50.275	-50.275	-50.275	-50.275	-50.275
		Vy	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		Vz	-0.795	-0.795	-0.795	-0.795	-0.795	-0.795	-0.795
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.90	-0.76	-0.62	-0.48	-0.34	-0.20	-0.06
		Mz	0.05	0.05	0.05	0.05	0.06	0.06	0.06
	TB-450 - B1	N	-61.555	-61.555	-61.555	-61.555	-61.555	-61.555	-61.555
		Vy	0.017	0.017	0.017	0.017	0.017	0.017	0.017

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		Vz	0.448	0.448	0.448	0.448	0.448	0.448	0.448
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.84	2.77	2.69	2.61	2.53	2.45	2.37
		Mz	-0.12	-0.12	-0.12	-0.13	-0.13	-0.13	-0.13
	TB-450 - B2	N	-146.065	-146.065	-146.065	-146.065	-146.065	-146.065	-146.065
		Vy	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031
		Vz	1.071	1.071	1.071	1.071	1.071	1.071	1.071
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.69	6.50	6.31	6.13	5.94	5.75	5.56
		Mz	0.13	0.13	0.14	0.14	0.15	0.15	0.16
	TB-450 - C1	N	-86.798	-86.798	-86.798	-86.798	-86.798	-86.798	-86.798
		Vy	0.036	0.036	0.036	0.036	0.036	0.036	0.036
		Vz	0.356	0.356	0.356	0.356	0.356	0.356	0.356
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.84	13.77	13.71	13.65	13.59	13.52	13.46
		Mz	-0.18	-0.18	-0.19	-0.20	-0.20	-0.21	-0.22
	TB-450 - C2	N	-206.100	-206.100	-206.100	-206.100	-206.100	-206.100	-206.100
		Vy	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058
		Vz	0.854	0.854	0.854	0.854	0.854	0.854	0.854
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	32.70	32.55	32.40	32.25	32.10	31.95	31.80
		Mz	0.19	0.20	0.21	0.22	0.23	0.24	0.25
	TB-450 - D1	N	-61.188	-61.188	-61.188	-61.188	-61.188	-61.188	-61.188
		Vy	0.030	0.030	0.030	0.030	0.030	0.030	0.030
		Vz	-0.073	-0.073	-0.073	-0.073	-0.073	-0.073	-0.073
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.37	2.38	2.40	2.41	2.42	2.44	2.45
		Mz	-0.10	-0.11	-0.11	-0.12	-0.12	-0.13	-0.13
	TB-450 - D2	N	-145.464	-145.464	-145.464	-145.464	-145.464	-145.464	-145.464
		Vy	-0.051	-0.051	-0.051	-0.051	-0.051	-0.051	-0.051
		Vz	-0.161	-0.161	-0.161	-0.161	-0.161	-0.161	-0.161
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.58	5.60	5.63	5.66	5.69	5.72	5.75
		Mz	0.11	0.12	0.13	0.14	0.15	0.15	0.16
	TB-450 - E1	N	-21.077	-21.077	-21.077	-21.077	-21.077	-21.077	-21.077
		Vy	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vz	0.465	0.465	0.465	0.465	0.465	0.465	0.465
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.49	0.40	0.32	0.24	0.16	0.08	0.00
		Mz	-0.03	-0.03	-0.03	-0.04	-0.04	-0.04	-0.04
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
N6/N165	Peso próprio	N	-254.306	-254.291	-254.276	-254.261	-254.246	-254.231	-254.216

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		Vy	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056
		Vz	1.893	2.219	2.545	2.871	3.197	3.523	3.849
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.92	14.56	14.14	13.66	13.13	12.54	11.90
		Mz	-0.01	0.00	0.01	0.02	0.03	0.04	0.05
	LAJE	N	-552.745	-552.745	-552.745	-552.745	-552.745	-552.745	-552.745
		Vy	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045
		Vz	1.904	1.904	1.904	1.904	1.904	1.904	1.904
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	39.86	39.53	39.20	38.86	38.53	38.19	37.86
		Mz	0.07	0.08	0.09	0.09	0.10	0.11	0.12
	PAVIMENTAÇÃO	N	-301.617	-301.617	-301.617	-301.617	-301.617	-301.617	-301.617
		Vy	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
		Vz	1.039	1.039	1.039	1.039	1.039	1.039	1.039
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	21.75	21.57	21.39	21.21	21.02	20.84	20.66
		Mz	0.04	0.04	0.05	0.05	0.06	0.06	0.06
	RECAPEAMENTO	N	-137.099	-137.099	-137.099	-137.099	-137.099	-137.099	-137.099
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	0.472	0.472	0.472	0.472	0.472	0.472	0.472
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.89	9.80	9.72	9.64	9.56	9.47	9.39
		Mz	0.02	0.02	0.02	0.02	0.03	0.03	0.03
	GUARDA-RODAS	N	-74.418	-74.418	-74.418	-74.418	-74.418	-74.418	-74.418
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	0.256	0.256	0.256	0.256	0.256	0.256	0.256
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.36	5.32	5.27	5.23	5.18	5.14	5.10
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.02
	Vento 0	N	-10.468	-10.468	-10.468	-10.468	-10.468	-10.468	-10.468
		Vy	-1.796	-1.796	-1.796	-1.796	-1.796	-1.796	-1.796
		Vz	0.139	0.139	0.139	0.139	0.139	0.139	0.139
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	-1.40	-1.42	-1.45	-1.47	-1.50	-1.52	-1.54
		Mz	15.38	15.69	16.01	16.32	16.64	16.95	17.27
	Vento 180	N	8.097	8.097	8.097	8.097	8.097	8.097	8.097
		Vy	1.272	1.430	1.588	1.745	1.903	2.061	2.219
		Vz	-0.197	-0.197	-0.197	-0.197	-0.197	-0.197	-0.197
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	1.31	1.35	1.38	1.41	1.45	1.48	1.52
		Mz	-10.19	-10.42	-10.69	-10.98	-11.30	-11.65	-12.02
	Multidão - Passeio	N	-96.581	-96.581	-96.581	-96.581	-96.581	-96.581	-96.581
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	0.333	0.333	0.333	0.333	0.333	0.333	0.333
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.96	6.90	6.84	6.78	6.73	6.67	6.61
		Mz	0.01	0.01	0.02	0.02	0.02	0.02	0.02
	Multidão - TB450	N	-315.092	-315.092	-315.092	-315.092	-315.092	-315.092	-315.092
		Vy	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026
		Vz	1.085	1.085	1.085	1.085	1.085	1.085	1.085
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	22.73	22.54	22.35	22.16	21.97	21.78	21.59

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		Mz	0.04	0.04	0.05	0.05	0.06	0.06	0.07
	TB-450 - A1	N	-21.221	-21.221	-21.221	-21.221	-21.221	-21.221	-21.221
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	-0.338	-0.338	-0.338	-0.338	-0.338	-0.338	-0.338
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.03	0.03	0.09	0.15	0.21	0.27	0.32
		Mz	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
	TB-450 - A2	N	-50.275	-50.275	-50.275	-50.275	-50.275	-50.275	-50.275
		Vy	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		Vz	-0.795	-0.795	-0.795	-0.795	-0.795	-0.795	-0.795
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.06	0.07	0.21	0.35	0.49	0.63	0.77
		Mz	0.06	0.06	0.06	0.06	0.07	0.07	0.07
	TB-450 - B1	N	-61.555	-61.555	-61.555	-61.555	-61.555	-61.555	-61.555
		Vy	0.017	0.017	0.017	0.017	0.017	0.017	0.017
		Vz	0.448	0.448	0.448	0.448	0.448	0.448	0.448
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.37	2.30	2.22	2.14	2.06	1.98	1.90
		Mz	-0.13	-0.14	-0.14	-0.14	-0.15	-0.15	-0.15
	TB-450 - B2	N	-146.065	-146.065	-146.065	-146.065	-146.065	-146.065	-146.065
		Vy	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031
		Vz	1.071	1.071	1.071	1.071	1.071	1.071	1.071
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.56	5.37	5.19	5.00	4.81	4.62	4.44
		Mz	0.16	0.16	0.17	0.17	0.18	0.19	0.19
	TB-450 - C1	N	-86.798	-86.798	-86.798	-86.798	-86.798	-86.798	-86.798
		Vy	0.036	0.036	0.036	0.036	0.036	0.036	0.036
		Vz	0.356	0.356	0.356	0.356	0.356	0.356	0.356
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.46	13.40	13.34	13.27	13.21	13.15	13.09
		Mz	-0.22	-0.22	-0.23	-0.23	-0.24	-0.25	-0.25
	TB-450 - C2	N	-206.100	-206.100	-206.100	-206.100	-206.100	-206.100	-206.100
		Vy	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058
		Vz	0.854	0.854	0.854	0.854	0.854	0.854	0.854
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	31.80	31.65	31.50	31.35	31.20	31.05	30.90
		Mz	0.25	0.26	0.27	0.28	0.29	0.30	0.31
	TB-450 - D1	N	-61.188	-61.188	-61.188	-61.188	-61.188	-61.188	-61.188
		Vy	0.030	0.030	0.030	0.030	0.030	0.030	0.030
		Vz	-0.073	-0.073	-0.073	-0.073	-0.073	-0.073	-0.073
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.45	2.46	2.47	2.49	2.50	2.51	2.53
		Mz	-0.13	-0.14	-0.15	-0.15	-0.16	-0.16	-0.17
	TB-450 - D2	N	-145.464	-145.464	-145.464	-145.464	-145.464	-145.464	-145.464
		Vy	-0.051	-0.051	-0.051	-0.051	-0.051	-0.051	-0.051
		Vz	-0.161	-0.161	-0.161	-0.161	-0.161	-0.161	-0.161
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.75	5.77	5.80	5.83	5.86	5.89	5.92
		Mz	0.16	0.17	0.18	0.19	0.20	0.21	0.22
	TB-450 - E1	N	-21.077	-21.077	-21.077	-21.077	-21.077	-21.077	-21.077
		Vy	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vz	0.465	0.465	0.465	0.465	0.465	0.465	0.465

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.08	-0.17	-0.25	-0.33	-0.41	-0.49
		Mz	-0.04	-0.04	-0.04	-0.05	-0.05	-0.05	-0.05
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N165/N7	Peso próprio	N	-255.323	-255.312	-255.301
		Vy	-0.056	-0.056	-0.056
		Vz	5.547	5.780	6.013
		Mt	0.00	0.00	0.00
		My	9.04	8.33	7.59
		Mz	0.05	0.06	0.06
	LAJE	N	-540.164	-540.164	-540.164
		Vy	-0.044	-0.044	-0.044
		Vz	67.431	67.431	67.431
		Mt	0.01	0.01	0.01
		My	42.12	33.69	25.26
		Mz	0.12	0.12	0.13
	PAVIMENTAÇÃO	N	-294.752	-294.752	-294.752
		Vy	-0.024	-0.024	-0.024
		Vz	36.795	36.795	36.795
		Mt	0.00	0.00	0.00
		My	22.99	18.39	13.79
		Mz	0.06	0.07	0.07
	RECAPEAMENTO	N	-133.978	-133.978	-133.978
		Vy	-0.011	-0.011	-0.011
		Vz	16.725	16.725	16.725
		Mt	0.00	0.00	0.00
		My	10.45	8.36	6.27
		Mz	0.03	0.03	0.03
	GUARDA-RODAS	N	-72.725	-72.725	-72.725
		Vy	-0.006	-0.006	-0.006
		Vz	9.077	9.077	9.077
		Mt	0.00	0.00	0.00
		My	5.67	4.53	3.40
		Mz	0.02	0.02	0.02
	Vento 0	N	-10.603	-10.603	-10.603
		Vy	-1.619	-1.619	-1.619
		Vz	-0.319	-0.319	-0.319
		Mt	1.15	1.15	1.15
		My	-1.76	-1.72	-1.68
		Mz	17.08	17.28	17.48

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
	Vento 180	N	8.753	8.753	8.753
		Vy	5.010	5.123	5.235
		Vz	2.470	2.470	2.470
		Mt	-0.82	-0.82	-0.82
		My	2.13	1.82	1.51
		Mz	-11.90	-12.53	-13.18
	Multidão - Passeio	N	-94.384	-94.384	-94.384
		Vy	-0.008	-0.008	-0.008
		Vz	11.778	11.778	11.778
		Mt	0.00	0.00	0.00
		My	7.35	5.88	4.41
		Mz	0.02	0.02	0.02
	Multidão - TB450	N	-307.919	-307.919	-307.919
		Vy	-0.025	-0.025	-0.025
		Vz	38.444	38.444	38.444
		Mt	0.00	0.00	0.00
		My	24.02	19.22	14.41
		Mz	0.07	0.07	0.07
	TB-450 - A1	N	-18.610	-18.610	-18.610
		Vy	0.004	0.004	0.004
		Vz	10.850	10.850	10.850
		Mt	0.00	0.00	0.00
		My	2.26	0.90	-0.45
		Mz	-0.05	-0.06	-0.06
	TB-450 - A2	N	-44.120	-44.120	-44.120
		Vy	-0.008	-0.008	-0.008
		Vz	25.579	25.579	25.579
		Mt	0.00	0.00	0.00
		My	5.33	2.13	-1.06
		Mz	0.07	0.07	0.07
	TB-450 - B1	N	-54.324	-54.324	-54.324
		Vy	0.015	0.015	0.015
		Vz	31.473	31.473	31.473
		Mt	0.00	0.00	0.00
		My	7.27	3.34	-0.60
		Mz	-0.15	-0.16	-0.16
	TB-450 - B2	N	-129.010	-129.010	-129.010
		Vy	-0.028	-0.028	-0.028
		Vz	74.244	74.244	74.244
		Mt	0.01	0.01	0.01
		My	17.09	7.81	-1.47
		Mz	0.19	0.20	0.20
	TB-450 - C1	N	-82.195	-82.195	-82.195
		Vy	0.033	0.033	0.033
		Vz	23.718	23.718	23.718
		Mt	-0.01	-0.01	-0.01
		My	14.89	11.93	8.97
		Mz	-0.25	-0.26	-0.26
	TB-450 - C2	N	-195.268	-195.268	-195.268

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	-0.053	-0.053	-0.053
		Vz	55.882	55.882	55.882
		Mt	0.01	0.01	0.01
		My	35.13	28.14	21.16
		Mz	0.31	0.31	0.32
	TB-450 - D1	N	-67.350	-67.350	-67.350
		Vy	0.028	0.028	0.028
		Vz	-25.300	-25.300	-25.300
		Mt	-0.01	-0.01	-0.01
		My	-2.52	0.65	3.81
		Mz	-0.17	-0.17	-0.17
	TB-450 - D2	N	-160.094	-160.094	-160.094
		Vy	-0.048	-0.048	-0.048
		Vz	-60.062	-60.062	-60.062
		Mt	0.01	0.01	0.01
		My	-6.06	1.45	8.96
		Mz	0.22	0.22	0.23
	TB-450 - E1	N	-23.558	-23.558	-23.558
		Vy	0.008	0.008	0.008
		Vz	-9.717	-9.717	-9.717
		Mt	0.00	0.00	0.00
		My	-2.56	-1.35	-0.13
		Mz	-0.05	-0.05	-0.05
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N111/N139	Peso próprio	N	-1.158	-1.158	-1.158	-1.158	-1.158	-1.158	-1.158	-1.158	-1.158
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-11.671	-11.295	-10.918	-10.542	-10.166	-9.790	-9.414	-9.038	-8.662
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	2.15	4.24	6.25	8.19	10.06	11.86	13.59	15.25
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-112.634	-108.940	-105.246	-101.553	-97.859	-94.165	-90.472	-86.778	-83.084
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	20.77	40.85	60.24	78.93	96.94	114.25	130.86	146.79
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-61.460	-59.293	-57.126	-54.959	-52.792	-50.625	-48.458	-46.291	-44.125
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	11.32	22.23	32.74	42.84	52.54	61.83	70.71	79.19
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.327	0.327	0.327	0.327	0.327	0.327	0.327	0.327	0.327
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Vz	-27.936	-26.951	-25.966	-24.982	-23.997	-23.012	-22.027	-21.042	-20.057
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	5.15	10.11	14.88	19.47	23.88	28.10	32.14	35.99
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-15.167	-15.167	-15.167	-15.167	-15.167	-15.167	-15.167	-15.167	-15.167
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	2.84	5.69	8.53	11.38	14.22	17.06	19.91	22.75
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	3.491	3.491	3.491	3.491	3.491	3.491	3.491	3.491	3.491
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.12	-0.23	-0.35	-0.46	-0.58	-0.69	-0.81	-0.92
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-27.577	-27.577	-27.577	-27.577	-27.577	-27.577	-27.577	-27.577	-27.577
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.585	-0.585	-0.585	-0.585	-0.585	-0.585	-0.585	-0.585	-0.585
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.11	0.22	0.33	0.44	0.55	0.66	0.77	0.88
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-19.687	-17.225	-14.762	-12.300	-9.838	-7.375	-4.913	-2.450	0.012
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	3.46	6.46	9.00	11.07	12.69	13.84	14.53	14.76
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	1.082	1.082	1.082	1.082	1.082	1.082	1.082	1.082	1.082
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-64.197	-64.197	-64.197	-64.197	-64.197	-64.197	-64.197	-64.197	-64.197
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	12.04	24.07	36.11	48.15	60.18	72.22	84.26	96.30
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-1.507	-1.507	-1.507	-1.507	-1.507	-1.507	-1.507	-1.507	-1.507
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-51.251	-51.251	-51.251	-51.251	-51.251	-51.251	-51.251	-51.251	-51.251
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	9.61	19.22	28.83	38.44	48.05	57.66	67.27	76.88
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-1.403	-1.403	-1.403	-1.403	-1.403	-1.403	-1.403	-1.403	-1.403
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-121.594	-121.594	-121.594	-121.594	-121.594	-121.594	-121.594	-121.594	-121.594
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	22.80	45.60	68.40	91.20	113.99	136.79	159.59	182.39
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.251	0.251	0.251	0.251	0.251	0.251	0.251	0.251	0.251
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.360	-0.360	-0.360	-0.360	-0.360	-0.360	-0.360	-0.360	-0.360
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.226	0.226	0.226	0.226	0.226	0.226	0.226	0.226	0.226
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.02	0.03	0.05	0.06	0.08	0.09	0.11	0.12
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.369	-0.369	-0.369	-0.369	-0.369	-0.369	-0.369	-0.369	-0.369
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.096	-0.096	-0.096	-0.096	-0.096	-0.096	-0.096	-0.096	-0.096
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.02	0.04	0.05	0.07	0.09	0.11	0.13	0.14
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.209	-0.209	-0.209	-0.209	-0.209	-0.209	-0.209	-0.209	-0.209
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.02	0.04	0.05	0.06	0.07	0.08	0.09
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-1.379	-1.379	-1.379	-1.379	-1.379	-1.379	-1.379	-1.379	-1.379
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.01	-0.02	-0.02	-0.03	-0.04	-0.05	-0.05	-0.06
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N139/N140	Peso próprio	N	-1.158	-1.158	-1.158
		Vy	0.000	0.000	0.000
		Vz	-8.662	-8.260	-7.859
		Mt	0.00	0.00	0.00
		My	15.25	16.94	18.55
		Mz	0.00	0.00	0.00
	LAJE	N	1.272	1.272	1.272
		Vy	0.000	0.000	0.000
		Vz	-83.084	-79.144	-75.204
		Mt	0.00	0.00	0.00
		My	146.79	163.01	178.45
		Mz	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.720	0.720	0.720
		Vy	0.000	0.000	0.000
		Vz	-44.125	-44.125	-44.125
		Mt	0.00	0.00	0.00
		My	79.19	88.01	96.84
		Mz	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
	RECAPEAMENTO	N	0.327	0.327	0.327
		Vy	0.000	0.000	0.000
		Vz	-20.057	-20.057	-20.057
		Mt	0.00	0.00	0.00
		My	35.99	40.01	44.02
		Mz	0.00	0.00	0.00
	GUARDA-RODAS	N	0.084	0.084	0.084
		Vy	0.000	0.000	0.000
		Vz	-15.167	-7.576	0.015
		Mt	0.00	0.00	0.00
		My	22.75	25.02	25.78
		Mz	0.00	0.00	0.00
	Vento 0	N	3.491	3.491	3.491
		Vy	0.000	0.000	0.000
		Vz	0.615	0.615	0.615
		Mt	0.00	0.00	0.00
		My	-0.92	-1.05	-1.17
		Mz	0.00	0.00	0.00
	Vento 180	N	-27.577	-27.577	-27.577
		Vy	0.000	0.000	0.000
		Vz	-0.585	-0.585	-0.585
		Mt	0.00	0.00	0.00
		My	0.88	1.00	1.11
		Mz	0.00	0.00	0.00
	Multidão - Passeio	N	-0.027	-0.027	-0.027
		Vy	0.000	0.000	0.000
		Vz	0.012	0.012	0.012
		Mt	0.00	0.00	0.00
		My	14.76	14.75	14.75
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	1.082	1.082	1.082
		Vy	0.000	0.000	0.000
		Vz	-64.197	-64.197	-64.197
		Mt	0.00	0.00	0.00
		My	96.30	109.13	121.97
		Mz	0.00	0.00	0.00
	TB-450 - A1	N	-1.507	-1.507	-1.507
		Vy	0.000	0.000	0.000
		Vz	-51.251	-51.251	-51.251
		Mt	0.00	0.00	0.00
		My	76.88	87.13	97.38
		Mz	0.00	0.00	0.00
	TB-450 - A2	N	-1.403	-1.403	-1.403
		Vy	0.000	0.000	0.000
		Vz	-121.594	-121.594	-121.594
		Mt	0.00	0.00	0.00
		My	182.39	206.71	231.03
		Mz	0.00	0.00	0.00
	TB-450 - B1	N	0.251	0.251	0.251

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Vy	0.000	0.000	0.000
		Vz	-0.011	-0.011	-0.011
		Mt	0.00	0.00	0.00
		My	0.02	0.02	0.02
		Mz	0.00	0.00	0.00
	TB-450 - B2	N	-0.360	-0.360	-0.360
		Vy	0.000	0.000	0.000
		Vz	-0.014	-0.014	-0.014
		Mt	0.00	0.00	0.00
		My	0.02	0.02	0.03
		Mz	0.00	0.00	0.00
	TB-450 - C1	N	0.226	0.226	0.226
		Vy	0.000	0.000	0.000
		Vz	-0.082	-0.082	-0.082
		Mt	0.00	0.00	0.00
		My	0.12	0.14	0.16
		Mz	0.00	0.00	0.00
	TB-450 - C2	N	-0.369	-0.369	-0.369
		Vy	0.000	0.000	0.000
		Vz	-0.096	-0.096	-0.096
		Mt	0.00	0.00	0.00
		My	0.14	0.16	0.18
		Mz	0.00	0.00	0.00
	TB-450 - D1	N	0.108	0.108	0.108
		Vy	0.000	0.000	0.000
		Vz	-0.056	-0.056	-0.056
		Mt	0.00	0.00	0.00
		My	0.08	0.09	0.11
		Mz	0.00	0.00	0.00
	TB-450 - D2	N	-0.209	-0.209	-0.209
		Vy	0.000	0.000	0.000
		Vz	-0.063	-0.063	-0.063
		Mt	0.00	0.00	0.00
		My	0.09	0.11	0.12
		Mz	0.00	0.00	0.00
	TB-450 - E1	N	-1.379	-1.379	-1.379
		Vy	0.000	0.000	0.000
		Vz	0.040	0.040	0.040
		Mt	0.00	0.00	0.00
		My	-0.06	-0.07	-0.08
		Mz	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N140/N141	Peso próprio	N	-1.158	-1.158	-1.158	-1.158	-1.158	-1.158	-1.158	-1.158	-1.158
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-7.859	-6.999	-6.140	-5.710	-4.850	-3.990	-3.131	-2.701	-1.841
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	18.55	21.74	24.55	25.82	28.09	29.98	31.51	32.13	33.10
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-75.204	-66.762	-58.319	-54.098	-45.655	-37.212	-28.770	-24.548	-16.105
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	178.45	208.87	235.67	247.72	269.09	286.85	300.99	306.70	315.41
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-44.125	-39.171	-34.218	-31.742	-26.789	-21.836	-16.883	-14.406	-9.453
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	96.84	114.69	130.41	137.48	150.02	160.44	168.74	172.09	177.20
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.327	0.327	0.327	0.327	0.327	0.327	0.327	0.327	0.327
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-20.057	-17.805	-15.554	-14.428	-12.177	-9.925	-7.674	-6.548	-4.297
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	44.02	52.13	59.28	62.49	68.19	72.93	76.70	78.22	80.55
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0.084
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.78	25.77	25.77	25.76	25.76	25.75	25.74	25.74	25.74
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	3.491	3.491	3.491	3.491	3.491	3.491	3.491	3.491	3.491
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.17	-1.43	-1.69	-1.83	-2.09	-2.35	-2.62	-2.75	-3.01
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-27.577	-27.577	-27.577	-27.577	-27.577	-27.577	-27.577	-27.577	-27.577
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.585	-0.585	-0.585	-0.585	-0.585	-0.585	-0.585	-0.585	-0.585
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.11	1.36	1.61	1.74	1.99	2.24	2.49	2.62	2.87
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.75	14.75	14.74	14.74	14.73	14.73	14.72	14.72	14.71
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	1.082	1.082	1.082	1.082	1.082	1.082	1.082	1.082	1.082
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-64.197	-56.992	-49.788	-46.186	-38.981	-31.777	-24.572	-20.970	-13.766
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	121.97	147.94	170.82	181.11	199.36	214.52	226.59	231.47	238.92
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-1.507	-1.507	-1.507	-1.507	-1.507	-1.507	-1.507	-1.507	-1.507
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-51.251	-51.251	-51.251	-51.251	-51.251	-51.251	-51.251	-51.251	-51.251

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	97.38	119.34	141.31	152.29	174.25	196.22	218.18	229.16	251.13
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-1.403	-1.403	-1.403	-1.403	-1.403	-1.403	-1.403	-1.403	-1.403
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-121.594	-96.829	-72.064	-59.681	-34.916	-10.151	14.614	26.997	51.762
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	231.03	277.83	314.03	328.14	348.41	358.07	357.11	352.65	335.78
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.251	0.251	0.251	0.251	0.251	0.251	0.251	0.251	0.251
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.03	0.03	0.03	0.04	0.04	0.05	0.05	0.06
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.360	-0.360	-0.360	-0.360	-0.360	-0.360	-0.360	-0.360	-0.360
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.06	0.07
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.226	0.226	0.226	0.226	0.226	0.226	0.226	0.226	0.226
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.16	0.19	0.23	0.24	0.28	0.31	0.35	0.37	0.40
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.369	-0.369	-0.369	-0.369	-0.369	-0.369	-0.369	-0.369	-0.369
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.096	-0.096	-0.096	-0.096	-0.096	-0.096	-0.096	-0.096	-0.096
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.18	0.22	0.26	0.29	0.33	0.37	0.41	0.43	0.47
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.11	0.13	0.15	0.17	0.19	0.21	0.24	0.25	0.27
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.209	-0.209	-0.209	-0.209	-0.209	-0.209	-0.209	-0.209	-0.209
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.12	0.15	0.17	0.19	0.22	0.24	0.27	0.28	0.31
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-1.379	-1.379	-1.379	-1.379	-1.379	-1.379	-1.379	-1.379	-1.379
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.08	-0.09	-0.11	-0.12	-0.14	-0.15	-0.17	-0.18	-0.20
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N141/N41	Peso próprio	N	-1.158	-1.158	-1.158	-1.158	-1.158
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-1.841	-1.427	-1.013	-0.600	-0.186
		Mt	0.00	0.00	0.00	0.00	0.00
		My	33.10	33.44	33.69	33.86	33.94
		Mz	0.00	0.00	0.00	0.00	0.00
	LAJE	N	1.272	1.272	1.272	1.272	1.272
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-16.105	-12.042	-7.979	-3.916	0.147
		Mt	0.00	0.00	0.00	0.00	0.00
		My	315.41	318.31	320.38	321.61	321.99
		Mz	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.720	0.720	0.720	0.720	0.720
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-9.453	-7.069	-4.686	-2.302	0.081
		Mt	0.00	0.00	0.00	0.00	0.00
		My	177.20	178.91	180.12	180.84	181.07
		Mz	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.327	0.327	0.327	0.327	0.327
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-4.297	-3.213	-2.130	-1.046	0.037
		Mt	0.00	0.00	0.00	0.00	0.00
		My	80.55	81.32	81.87	82.20	82.30
		Mz	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.084	0.084	0.084	0.084	0.084
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.015	0.015	0.015	0.015	0.015
		Mt	0.00	0.00	0.00	0.00	0.00
		My	25.74	25.73	25.73	25.73	25.72
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	3.491	3.491	3.491	3.491	3.491
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.615	0.615	0.615	0.615	0.615
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-3.01	-3.14	-3.27	-3.39	-3.52
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-27.577	-27.577	-27.577	-27.577	-27.577
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.585	-0.585	-0.585	-0.585	-0.585
		Mt	0.00	0.00	0.00	0.00	0.00
		My	2.87	2.99	3.11	3.23	3.35
		Mz	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.027	-0.027	-0.027	-0.027	-0.027
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.012	0.012	0.012	0.012	0.012
		Mt	0.00	0.00	0.00	0.00	0.00
		My	14.71	14.71	14.71	14.71	14.70
		Mz	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
	Multidão - TB450	N	1.082	1.082	1.082	1.082	1.082
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-13.766	-10.299	-6.831	-3.364	0.103
		Mt	0.00	0.00	0.00	0.00	0.00
		My	238.92	241.40	243.17	244.22	244.55
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-1.507	-1.507	-1.507	-1.507	-1.507
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-51.251	-51.251	-51.251	-51.251	-51.251
		Mt	0.00	0.00	0.00	0.00	0.00
		My	251.13	261.70	272.27	282.84	293.41
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-1.403	-1.403	-1.403	-1.403	-1.403
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	51.762	51.762	51.762	51.762	51.762
		Mt	0.00	0.00	0.00	0.00	0.00
		My	335.78	325.10	314.43	303.75	293.07
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.251	0.251	0.251	0.251	0.251
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.011	-0.011	-0.011	-0.011	-0.011
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.06	0.06	0.06	0.06	0.06
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.360	-0.360	-0.360	-0.360	-0.360
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.014	-0.014	-0.014	-0.014	-0.014
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.07	0.07	0.07	0.08	0.08
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.226	0.226	0.226	0.226	0.226
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.082	-0.082	-0.082	-0.082	-0.082
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.40	0.42	0.44	0.45	0.47
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.369	-0.369	-0.369	-0.369	-0.369
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.096	-0.096	-0.096	-0.096	-0.096
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.47	0.49	0.51	0.53	0.55
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.108	0.108	0.108	0.108	0.108
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.056	-0.056	-0.056	-0.056	-0.056
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.27	0.29	0.30	0.31	0.32
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.209	-0.209	-0.209	-0.209	-0.209

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.063	-0.063	-0.063	-0.063	-0.063
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.31	0.32	0.34	0.35	0.36
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-1.379	-1.379	-1.379	-1.379	-1.379
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.040	0.040	0.040	0.040	0.040
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.20	-0.21	-0.21	-0.22	-0.23
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N41/N142	Peso próprio	N	-1.158	-1.158	-1.158	-1.158	-1.158
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.181	0.594	1.008	1.422	1.836
		Mt	0.00	0.00	0.00	0.00	0.00
		My	33.91	33.83	33.66	33.41	33.08
		Mz	0.00	0.00	0.00	0.00	0.00
	LAJE	N	1.288	1.288	1.288	1.288	1.288
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.147	3.916	7.979	12.042	16.105
		Mt	0.00	0.00	0.00	0.00	0.00
		My	321.99	321.60	320.38	318.31	315.41
		Mz	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.729	0.729	0.729	0.729	0.729
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.082	2.302	4.686	7.069	9.453
		Mt	0.00	0.00	0.00	0.00	0.00
		My	181.07	180.84	180.12	178.91	177.20
		Mz	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.332	0.332	0.332	0.332	0.332
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.037	1.046	2.130	3.213	4.297
		Mt	0.00	0.00	0.00	0.00	0.00
		My	82.30	82.20	81.87	81.32	80.55
		Mz	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.086	0.086	0.086	0.086	0.086
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.015	-0.015	-0.015	-0.015	-0.015
		Mt	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		My	25.72	25.73	25.73	25.73	25.73
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-29.704	-29.704	-29.704	-29.704	-29.704
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.610	0.610	0.610	0.610	0.610
		Mt	0.00	0.00	0.00	0.00	0.00
		My	3.49	3.37	3.24	3.12	2.99
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	3.495	3.495	3.495	3.495	3.495
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.590	-0.590	-0.590	-0.590	-0.590
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-3.38	-3.25	-3.13	-3.01	-2.89
		Mz	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.024	-0.024	-0.024	-0.024	-0.024
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.012	-0.012	-0.012	-0.012	-0.012
		Mt	0.00	0.00	0.00	0.00	0.00
		My	14.70	14.71	14.71	14.71	14.71
		Mz	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	1.092	1.092	1.092	1.092	1.092
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.103	3.364	6.831	10.298	13.765
		Mt	0.00	0.00	0.00	0.00	0.00
		My	244.55	244.22	243.16	241.40	238.92
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-1.402	-1.402	-1.402	-1.402	-1.402
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-51.762	-51.762	-51.762	-51.762	-51.762
		Mt	0.00	0.00	0.00	0.00	0.00
		My	293.07	303.75	314.43	325.10	335.78
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-1.506	-1.506	-1.506	-1.506	-1.506
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	51.251	51.251	51.251	51.251	51.251
		Mt	0.00	0.00	0.00	0.00	0.00
		My	293.41	282.84	272.27	261.70	251.13
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.356	-0.356	-0.356	-0.356	-0.356
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.014	0.014	0.014	0.014	0.014
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.08	0.08	0.07	0.07	0.07
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.255	0.255	0.255	0.255	0.255
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.011	0.011	0.011	0.011	0.011
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.06	0.06	0.06	0.06	0.06

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.362	-0.362	-0.362	-0.362	-0.362
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.096	0.096	0.096	0.096	0.096
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.55	0.53	0.51	0.49	0.47
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.233	0.233	0.233	0.233	0.233
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.082	0.082	0.082	0.082	0.082
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.47	0.45	0.44	0.42	0.40
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.199	-0.199	-0.199	-0.199	-0.199
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.063	0.063	0.063	0.063	0.063
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.36	0.35	0.34	0.32	0.31
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.118	0.118	0.118	0.118	0.118
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.056	0.056	0.056	0.056	0.056
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.32	0.31	0.30	0.28	0.27
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-1.379	-1.379	-1.379	-1.379	-1.379
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.034	-0.034	-0.034	-0.034	-0.034
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-0.20	-0.19	-0.18	-0.18	-0.17
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N142/N144	Peso próprio	N	-1.158	-1.158	-1.158	-1.158	-1.158	-1.158	-1.158	-1.158	-1.158
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.836	2.695	3.555	3.985	4.845	5.704	6.564	6.994	7.854
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	33.08	32.11	30.77	29.96	28.07	25.81	23.18	21.72	18.54
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	16.105	24.548	32.990	37.212	45.654	54.097	62.540	66.761	75.204
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		My	315.41	306.70	294.37	286.85	269.09	247.71	222.72	208.87	178.45
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.729	0.729	0.729	0.729	0.729	0.729	0.729	0.729	0.729
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	9.453	14.406	19.359	21.835	26.789	31.742	36.695	39.171	44.124
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	177.20	172.09	164.86	160.44	150.02	137.48	122.82	114.69	96.84
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.332	0.332	0.332	0.332	0.332	0.332	0.332	0.332	0.332
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	4.297	6.548	8.800	9.925	12.177	14.428	16.679	17.805	20.056
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	80.55	78.22	74.93	72.93	68.19	62.49	55.83	52.13	44.02
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.086	0.086	0.086	0.086	0.086	0.086	0.086	0.086	0.086
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.73	25.74	25.75	25.75	25.76	25.76	25.77	25.77	25.78
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-29.704	-29.704	-29.704	-29.704	-29.704	-29.704	-29.704	-29.704	-29.704
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.99	2.73	2.47	2.34	2.08	1.81	1.55	1.42	1.16
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	3.495	3.495	3.495	3.495	3.495	3.495	3.495	3.495	3.495
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.590	-0.590	-0.590	-0.590	-0.590	-0.590	-0.590	-0.590	-0.590
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.89	-2.64	-2.38	-2.26	-2.00	-1.75	-1.50	-1.37	-1.12
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.71	14.72	14.72	14.73	14.73	14.74	14.74	14.75	14.75
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	1.092	1.092	1.092	1.092	1.092	1.092	1.092	1.092	1.092
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	13.765	20.970	28.174	31.777	38.981	46.185	53.390	56.992	64.196
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	238.92	231.47	220.94	214.52	199.36	181.11	159.77	147.94	121.97
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-1.402	-1.402	-1.402	-1.402	-1.402	-1.402	-1.402	-1.402	-1.402
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-51.762	-26.997	-2.232	10.151	34.916	59.681	84.447	96.829	121.594
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	335.78	352.65	358.92	358.07	348.41	328.14	297.26	277.83	231.03
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-1.506	-1.506	-1.506	-1.506	-1.506	-1.506	-1.506	-1.506	-1.506
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	51.251	51.251	51.251	51.251	51.251	51.251	51.251	51.251	51.251
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	251.13	229.16	207.20	196.22	174.25	152.29	130.32	119.34	97.38
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.356	-0.356	-0.356	-0.356	-0.356	-0.356	-0.356	-0.356	-0.356

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.07	0.06	0.06	0.05	0.05	0.04	0.03	0.03	0.03
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.255	0.255	0.255	0.255	0.255	0.255	0.255	0.255	0.255
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.06	0.05	0.05	0.04	0.04	0.03	0.03	0.03	0.02
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.362	-0.362	-0.362	-0.362	-0.362	-0.362	-0.362	-0.362	-0.362
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.47	0.43	0.39	0.37	0.33	0.28	0.24	0.22	0.18
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.40	0.37	0.33	0.31	0.28	0.24	0.21	0.19	0.16
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.199	-0.199	-0.199	-0.199	-0.199	-0.199	-0.199	-0.199	-0.199
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.31	0.28	0.26	0.24	0.21	0.19	0.16	0.15	0.12
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.27	0.25	0.23	0.21	0.19	0.17	0.14	0.13	0.11
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-1.379	-1.379	-1.379	-1.379	-1.379	-1.379	-1.379	-1.379	-1.379
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.17	-0.15	-0.14	-0.13	-0.12	-0.10	-0.09	-0.08	-0.07
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N144/N143	Peso próprio	N	-1.158	-1.158	-1.158
		Vy	0.000	0.000	0.000
		Vz	7.854	8.255	8.656
		Mt	0.00	0.00	0.00
		My	18.54	16.93	15.24

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Mz	0.00	0.00	0.00
	LAJE	N	1.288	1.288	1.288
		Vy	0.000	0.000	0.000
		Vz	75.204	79.144	83.084
		Mt	0.00	0.00	0.00
		My	178.45	163.01	146.79
		Mz	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.729	0.729	0.729
		Vy	0.000	0.000	0.000
		Vz	44.124	44.124	44.124
		Mt	0.00	0.00	0.00
		My	96.84	88.01	79.19
		Mz	0.00	0.00	0.00
	RECAPEAMENTO	N	0.332	0.332	0.332
		Vy	0.000	0.000	0.000
		Vz	20.056	20.056	20.056
		Mt	0.00	0.00	0.00
		My	44.02	40.01	35.99
		Mz	0.00	0.00	0.00
	GUARDA-RODAS	N	0.086	0.086	0.086
		Vy	0.000	0.000	0.000
		Vz	-0.015	7.576	15.167
		Mt	0.00	0.00	0.00
		My	25.78	25.02	22.75
		Mz	0.00	0.00	0.00
	Vento 0	N	-29.704	-29.704	-29.704
		Vy	0.000	0.000	0.000
		Vz	0.610	0.610	0.610
		Mt	0.00	0.00	0.00
		My	1.16	1.04	0.92
		Mz	0.00	0.00	0.00
	Vento 180	N	3.495	3.495	3.495
		Vy	0.000	0.000	0.000
		Vz	-0.590	-0.590	-0.590
		Mt	0.00	0.00	0.00
		My	-1.12	-1.00	-0.88
		Mz	0.00	0.00	0.00
	Multidão - Passeio	N	-0.024	-0.024	-0.024
		Vy	0.000	0.000	0.000
		Vz	-0.012	-0.012	-0.012
		Mt	0.00	0.00	0.00
		My	14.75	14.75	14.76
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	1.092	1.092	1.092
		Vy	0.000	0.000	0.000
		Vz	64.196	64.196	64.196
		Mt	0.00	0.00	0.00
		My	121.97	109.13	96.29
		Mz	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
	TB-450 - A1	N	-1.402	-1.402	-1.402
		Vy	0.000	0.000	0.000
		Vz	121.594	121.594	121.594
		Mt	0.00	0.00	0.00
		My	231.03	206.71	182.39
		Mz	0.00	0.00	0.00
	TB-450 - A2	N	-1.506	-1.506	-1.506
		Vy	0.000	0.000	0.000
		Vz	51.251	51.251	51.251
		Mt	0.00	0.00	0.00
		My	97.38	87.13	76.88
		Mz	0.00	0.00	0.00
	TB-450 - B1	N	-0.356	-0.356	-0.356
		Vy	0.000	0.000	0.000
		Vz	0.014	0.014	0.014
		Mt	0.00	0.00	0.00
		My	0.03	0.02	0.02
		Mz	0.00	0.00	0.00
	TB-450 - B2	N	0.255	0.255	0.255
		Vy	0.000	0.000	0.000
		Vz	0.011	0.011	0.011
		Mt	0.00	0.00	0.00
		My	0.02	0.02	0.02
		Mz	0.00	0.00	0.00
	TB-450 - C1	N	-0.362	-0.362	-0.362
		Vy	0.000	0.000	0.000
		Vz	0.096	0.096	0.096
		Mt	0.00	0.00	0.00
		My	0.18	0.16	0.14
		Mz	0.00	0.00	0.00
	TB-450 - C2	N	0.233	0.233	0.233
		Vy	0.000	0.000	0.000
		Vz	0.082	0.082	0.082
		Mt	0.00	0.00	0.00
		My	0.16	0.14	0.12
		Mz	0.00	0.00	0.00
	TB-450 - D1	N	-0.199	-0.199	-0.199
		Vy	0.000	0.000	0.000
		Vz	0.063	0.063	0.063
		Mt	0.00	0.00	0.00
		My	0.12	0.11	0.09
		Mz	0.00	0.00	0.00
	TB-450 - D2	N	0.118	0.118	0.118
		Vy	0.000	0.000	0.000
		Vz	0.056	0.056	0.056
		Mt	0.00	0.00	0.00
		My	0.11	0.09	0.08
		Mz	0.00	0.00	0.00
	TB-450 - E1	N	-1.379	-1.379	-1.379

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Vy	0.000	0.000	0.000
		Vz	-0.034	-0.034	-0.034
		Mt	0.00	0.00	0.00
		My	-0.07	-0.06	-0.05
		Mz	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N143/N105	Peso próprio	N	-1.158	-1.158	-1.158	-1.158	-1.158	-1.158	-1.158	-1.158	-1.158
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	8.656	9.032	9.408	9.785	10.161	10.537	10.913	11.289	11.665
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	15.24	13.58	11.85	10.05	8.18	6.24	4.23	2.15	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	83.084	86.777	90.471	94.165	97.858	101.552	105.246	108.940	112.633
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	146.79	130.86	114.25	96.94	78.93	60.24	40.85	20.77	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.729	0.729	0.729	0.729	0.729	0.729	0.729	0.729	0.729
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	44.124	46.291	48.458	50.625	52.792	54.959	57.126	59.293	61.460
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	79.19	70.71	61.83	52.54	42.84	32.74	22.23	11.32	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.332	0.332	0.332	0.332	0.332	0.332	0.332	0.332	0.332
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	20.056	21.041	22.026	23.011	23.996	24.981	25.966	26.951	27.936
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	35.99	32.14	28.10	23.88	19.47	14.88	10.11	5.15	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.086	0.086	0.086	0.086	0.086	0.086	0.086	0.086	0.086
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	15.167	15.167	15.167	15.167	15.167	15.167	15.167	15.167	15.167
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	22.75	19.91	17.06	14.22	11.38	8.53	5.69	2.84	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-29.704	-29.704	-29.704	-29.704	-29.704	-29.704	-29.704	-29.704	-29.704
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.92	0.80	0.69	0.57	0.46	0.34	0.23	0.11	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	3.495	3.495	3.495	3.495	3.495	3.495	3.495	3.495	3.495
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.590	-0.590	-0.590	-0.590	-0.590	-0.590	-0.590	-0.590	-0.590
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		My	-0.88	-0.77	-0.66	-0.55	-0.44	-0.33	-0.22	-0.11	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.012	2.450	4.913	7.375	9.837	12.300	14.762	17.225	19.687
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.76	14.53	13.84	12.69	11.07	9.00	6.46	3.46	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	1.092	1.092	1.092	1.092	1.092	1.092	1.092	1.092	1.092
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	64.196	64.196	64.196	64.196	64.196	64.196	64.196	64.196	64.196
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	96.29	84.26	72.22	60.18	48.15	36.11	24.07	12.04	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-1.402	-1.402	-1.402	-1.402	-1.402	-1.402	-1.402	-1.402	-1.402
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	121.594	121.594	121.594	121.594	121.594	121.594	121.594	121.594	121.594
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	182.39	159.59	136.79	113.99	91.20	68.40	45.60	22.80	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-1.506	-1.506	-1.506	-1.506	-1.506	-1.506	-1.506	-1.506	-1.506
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	51.251	51.251	51.251	51.251	51.251	51.251	51.251	51.251	51.251
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	76.88	67.27	57.66	48.05	38.44	28.83	19.22	9.61	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.356	-0.356	-0.356	-0.356	-0.356	-0.356	-0.356	-0.356	-0.356
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.255	0.255	0.255	0.255	0.255	0.255	0.255	0.255	0.255
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.362	-0.362	-0.362	-0.362	-0.362	-0.362	-0.362	-0.362	-0.362
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.14	0.13	0.11	0.09	0.07	0.05	0.04	0.02	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.12	0.11	0.09	0.08	0.06	0.05	0.03	0.02	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.199	-0.199	-0.199	-0.199	-0.199	-0.199	-0.199	-0.199	-0.199
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.09	0.08	0.07	0.06	0.05	0.04	0.02	0.01	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.01	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-1.379	-1.379	-1.379	-1.379	-1.379	-1.379	-1.379	-1.379	-1.379
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.05	-0.05	-0.04	-0.03	-0.03	-0.02	-0.01	-0.01	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N110/N133	Peso próprio	N	-0.791	-0.791	-0.791	-0.791	-0.791	-0.791	-0.791	-0.791	-0.791
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-18.666	-18.061	-17.456	-16.852	-16.247	-15.642	-15.038	-14.433	-13.829
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	3.44	6.77	9.99	13.09	16.08	18.96	21.72	24.37
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-1.401	-1.401	-1.401	-1.401	-1.401	-1.401	-1.401	-1.401	-1.401
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-112.497	-108.804	-105.110	-101.416	-97.722	-94.029	-90.335	-86.641	-82.948
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	20.75	40.80	60.16	78.83	96.81	114.09	130.68	146.58
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-0.792	-0.792	-0.792	-0.792	-0.792	-0.792	-0.792	-0.792	-0.792
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-61.383	-59.216	-57.049	-54.882	-52.715	-50.548	-48.381	-46.214	-44.047
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	11.31	22.21	32.70	42.79	52.47	61.74	70.61	79.07
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.360	-0.360	-0.360	-0.360	-0.360	-0.360	-0.360	-0.360	-0.360
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-27.901	-26.916	-25.931	-24.946	-23.961	-22.976	-21.992	-21.007	-20.022
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	5.14	10.09	14.86	19.45	23.85	28.06	32.10	35.94
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.097	-0.097	-0.097	-0.097	-0.097	-0.097	-0.097	-0.097	-0.097
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-15.157	-15.157	-15.157	-15.157	-15.157	-15.157	-15.157	-15.157	-15.157
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	2.84	5.68	8.53	11.37	14.21	17.05	19.89	22.74
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-29.449	-29.449	-29.449	-29.449	-29.449	-29.449	-29.449	-29.449	-29.449
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.515	-0.515	-0.515	-0.515	-0.515	-0.515	-0.515	-0.515	-0.515
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.10	0.19	0.29	0.39	0.48	0.58	0.68	0.77
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
	Vento 180	N	-13.613	-13.613	-13.613	-13.613	-13.613	-13.613	-13.613	-13.613	-13.613
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.496	0.496	0.496	0.496	0.496	0.496	0.496	0.496	0.496
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.09	-0.19	-0.28	-0.37	-0.47	-0.56	-0.65	-0.74
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-19.688	-17.226	-14.763	-12.301	-9.839	-7.376	-4.914	-2.451	0.011
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	3.46	6.46	9.00	11.07	12.69	13.84	14.53	14.76
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-1.173	-1.173	-1.173	-1.173	-1.173	-1.173	-1.173	-1.173	-1.173
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-64.083	-64.083	-64.083	-64.083	-64.083	-64.083	-64.083	-64.083	-64.083
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	12.02	24.03	36.05	48.06	60.08	72.09	84.11	96.13
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	1.282	1.282	1.282	1.282	1.282	1.282	1.282	1.282	1.282
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-25.622	-25.622	-25.622	-25.622	-25.622	-25.622	-25.622	-25.622	-25.622
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	4.80	9.61	14.41	19.22	24.02	28.82	33.63	38.43
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	1.144	1.144	1.144	1.144	1.144	1.144	1.144	1.144	1.144
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-60.759	-60.759	-60.759	-60.759	-60.759	-60.759	-60.759	-60.759	-60.759
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	11.39	22.78	34.18	45.57	56.96	68.35	79.75	91.14
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.645	-0.645	-0.645	-0.645	-0.645	-0.645	-0.645	-0.645	-0.645
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-25.616	-25.616	-25.616	-25.616	-25.616	-25.616	-25.616	-25.616	-25.616
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	4.80	9.61	14.41	19.21	24.02	28.82	33.62	38.42
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-1.041	-1.041	-1.041	-1.041	-1.041	-1.041	-1.041	-1.041	-1.041
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-60.772	-60.772	-60.772	-60.772	-60.772	-60.772	-60.772	-60.772	-60.772
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	11.39	22.79	34.18	45.58	56.97	68.37	79.76	91.16
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-2.803	-2.803	-2.803	-2.803	-2.803	-2.803	-2.803	-2.803	-2.803
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-3.592	-3.592	-3.592	-3.592	-3.592	-3.592	-3.592	-3.592	-3.592
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.03
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-1.926	-1.926	-1.926	-1.926	-1.926	-1.926	-1.926	-1.926	-1.926
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-2.357	-2.357	-2.357	-2.357	-2.357	-2.357	-2.357	-2.357	-2.357
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-1.570	-1.570	-1.570	-1.570	-1.570	-1.570	-1.570	-1.570	-1.570
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N133/N134	Peso próprio	N	-0.791	-0.791	-0.791
		Vy	0.000	0.000	0.000
		Vz	-13.829	-13.184	-12.539
		Mt	0.00	0.00	0.00
		My	24.37	27.07	29.64
		Mz	0.00	0.00	0.00
	LAJE	N	-1.401	-1.401	-1.401
		Vy	0.000	0.000	0.000
		Vz	-82.948	-79.008	-75.068
		Mt	0.00	0.00	0.00
		My	146.58	162.78	178.19
		Mz	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-0.792	-0.792	-0.792
		Vy	0.000	0.000	0.000
		Vz	-44.047	-44.047	-44.047
		Mt	0.00	0.00	0.00
		My	79.07	87.88	96.69
		Mz	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.360	-0.360	-0.360
		Vy	0.000	0.000	0.000
		Vz	-20.022	-20.022	-20.022
		Mt	0.00	0.00	0.00
		My	35.94	39.95	43.95
		Mz	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.097	-0.097	-0.097
		Vy	0.000	0.000	0.000
		Vz	-15.157	-7.566	0.025

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Mt	0.00	0.00	0.00
		My	22.74	25.01	25.76
		Mz	0.00	0.00	0.00
	Vento 0	N	-29.449	-29.449	-29.449
		Vy	0.000	0.000	0.000
		Vz	-0.515	-0.515	-0.515
		Mt	0.00	0.00	0.00
		My	0.77	0.88	0.98
		Mz	0.00	0.00	0.00
	Vento 180	N	-13.613	-13.613	-13.613
		Vy	0.000	0.000	0.000
		Vz	0.496	0.496	0.496
		Mt	0.00	0.00	0.00
		My	-0.74	-0.84	-0.94
		Mz	0.00	0.00	0.00
	Multidão - Passeio	N	0.119	0.119	0.119
		Vy	0.000	0.000	0.000
		Vz	0.011	0.011	0.011
		Mt	0.00	0.00	0.00
		My	14.76	14.76	14.75
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	-1.173	-1.173	-1.173
		Vy	0.000	0.000	0.000
		Vz	-64.083	-64.083	-64.083
		Mt	0.00	0.00	0.00
		My	96.13	108.94	121.76
		Mz	0.00	0.00	0.00
	TB-450 - A1	N	1.282	1.282	1.282
		Vy	0.000	0.000	0.000
		Vz	-25.622	-25.622	-25.622
		Mt	0.00	0.00	0.00
		My	38.43	43.56	48.68
		Mz	0.00	0.00	0.00
	TB-450 - A2	N	1.144	1.144	1.144
		Vy	0.000	0.000	0.000
		Vz	-60.759	-60.759	-60.759
		Mt	0.00	0.00	0.00
		My	91.14	103.29	115.44
		Mz	0.00	0.00	0.00
	TB-450 - B1	N	-0.645	-0.645	-0.645
		Vy	0.000	0.000	0.000
		Vz	-25.616	-25.616	-25.616
		Mt	0.00	0.00	0.00
		My	38.42	43.55	48.67
		Mz	0.00	0.00	0.00
	TB-450 - B2	N	-1.041	-1.041	-1.041
		Vy	0.000	0.000	0.000
		Vz	-60.772	-60.772	-60.772
		Mt	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		My	91.16	103.31	115.47
		Mz	0.00	0.00	0.00
	TB-450 - C1	N	-2.803	-2.803	-2.803
		Vy	0.000	0.000	0.000
		Vz	-0.009	-0.009	-0.009
		Mt	0.00	0.00	0.00
		My	0.01	0.01	0.02
		Mz	0.00	0.00	0.00
	TB-450 - C2	N	-3.592	-3.592	-3.592
		Vy	0.000	0.000	0.000
		Vz	-0.017	-0.017	-0.017
		Mt	0.00	0.00	0.00
		My	0.03	0.03	0.03
		Mz	0.00	0.00	0.00
	TB-450 - D1	N	-1.926	-1.926	-1.926
		Vy	0.000	0.000	0.000
		Vz	-0.006	-0.006	-0.006
		Mt	0.00	0.00	0.00
		My	0.01	0.01	0.01
		Mz	0.00	0.00	0.00
	TB-450 - D2	N	-2.357	-2.357	-2.357
		Vy	0.000	0.000	0.000
		Vz	-0.011	-0.011	-0.011
		Mt	0.00	0.00	0.00
		My	0.02	0.02	0.02
		Mz	0.00	0.00	0.00
	TB-450 - E1	N	-1.570	-1.570	-1.570
		Vy	0.000	0.000	0.000
		Vz	0.001	0.001	0.001
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N134/N135	Peso próprio	N	-0.791	-0.791	-0.791	-0.791	-0.791	-0.791	-0.791	-0.791	-0.791
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-12.539	-11.157	-9.775	-9.084	-7.702	-6.320	-4.938	-4.247	-2.864
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	29.64	34.72	39.21	41.23	44.82	47.83	50.24	51.23	52.75
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-1.401	-1.401	-1.401	-1.401	-1.401	-1.401	-1.401	-1.401	-1.401
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Vz	-75.068	-66.625	-58.182	-53.961	-45.518	-37.076	-28.633	-24.412	-15.969
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	178.19	208.55	235.29	247.31	268.63	286.33	300.41	306.09	314.74
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-0.792	-0.792	-0.792	-0.792	-0.792	-0.792	-0.792	-0.792	-0.792
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-44.047	-39.094	-34.141	-31.665	-26.712	-21.759	-16.806	-14.329	-9.376
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	96.69	114.51	130.20	137.25	149.76	160.15	168.41	171.75	176.83
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.360	-0.360	-0.360	-0.360	-0.360	-0.360	-0.360	-0.360	-0.360
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-20.022	-17.770	-15.519	-14.393	-12.142	-9.890	-7.639	-6.513	-4.262
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	43.95	52.05	59.18	62.39	68.07	72.79	76.55	78.07	80.38
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.097	-0.097	-0.097	-0.097	-0.097	-0.097	-0.097	-0.097	-0.097
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.76	25.75	25.74	25.74	25.72	25.71	25.70	25.70	25.69
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-29.449	-29.449	-29.449	-29.449	-29.449	-29.449	-29.449	-29.449	-29.449
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.515	-0.515	-0.515	-0.515	-0.515	-0.515	-0.515	-0.515	-0.515
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.98	1.20	1.42	1.53	1.75	1.97	2.19	2.30	2.52
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-13.613	-13.613	-13.613	-13.613	-13.613	-13.613	-13.613	-13.613	-13.613
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.496	0.496	0.496	0.496	0.496	0.496	0.496	0.496	0.496
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.94	-1.16	-1.37	-1.47	-1.69	-1.90	-2.11	-2.22	-2.43
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.75	14.75	14.74	14.74	14.74	14.73	14.73	14.72	14.72
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-1.173	-1.173	-1.173	-1.173	-1.173	-1.173	-1.173	-1.173	-1.173
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-64.083	-56.879	-49.675	-46.072	-38.868	-31.663	-24.459	-20.857	-13.652
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	121.76	147.68	170.51	180.77	198.97	214.09	226.11	230.97	238.36
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	1.282	1.282	1.282	1.282	1.282	1.282	1.282	1.282	1.282
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-25.622	-25.622	-25.622	-25.622	-25.622	-25.622	-25.622	-25.622	-25.622
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	48.68	59.66	70.64	76.13	87.11	98.09	109.08	114.57	125.55
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	1.144	1.144	1.144	1.144	1.144	1.144	1.144	1.144	1.144
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-60.759	-48.376	-35.993	-29.802	-17.419	-5.037	7.346	13.537	25.920
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	115.44	138.83	156.91	163.96	174.07	178.89	178.39	176.15	167.70

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.645	-0.645	-0.645	-0.645	-0.645	-0.645	-0.645	-0.645	-0.645
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-25.616	-25.616	-25.616	-25.616	-25.616	-25.616	-25.616	-25.616	-25.616
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	48.67	59.65	70.63	76.12	87.09	98.07	109.05	114.54	125.52
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-1.041	-1.041	-1.041	-1.041	-1.041	-1.041	-1.041	-1.041	-1.041
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-60.772	-48.390	-36.007	-29.816	-17.433	-5.051	7.332	13.523	25.906
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	115.47	138.86	156.94	164.00	174.12	178.94	178.45	176.22	167.77
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-2.803	-2.803	-2.803	-2.803	-2.803	-2.803	-2.803	-2.803	-2.803
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-3.592	-3.592	-3.592	-3.592	-3.592	-3.592	-3.592	-3.592	-3.592
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.03	0.04	0.05	0.05	0.06	0.07	0.07	0.08	0.09
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-1.926	-1.926	-1.926	-1.926	-1.926	-1.926	-1.926	-1.926	-1.926
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-2.357	-2.357	-2.357	-2.357	-2.357	-2.357	-2.357	-2.357	-2.357
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.03	0.03	0.03	0.04	0.04	0.05	0.05	0.05
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-1.570	-1.570	-1.570	-1.570	-1.570	-1.570	-1.570	-1.570	-1.570
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N135/N40	Peso próprio	N	-0.791	-0.791	-0.791	-0.791	-0.791
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-2.864	-2.199	-1.534	-0.869	-0.204

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Mt	0.00	0.00	0.00	0.00	0.00
		My	52.75	53.27	53.66	53.90	54.01
		Mz	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-1.401	-1.401	-1.401	-1.401	-1.401
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-15.969	-11.906	-7.843	-3.780	0.283
		Mt	0.00	0.00	0.00	0.00	0.00
		My	314.74	317.62	319.65	320.85	321.21
		Mz	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-0.792	-0.792	-0.792	-0.792	-0.792
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-9.376	-6.992	-4.609	-2.225	0.159
		Mt	0.00	0.00	0.00	0.00	0.00
		My	176.83	178.51	179.71	180.42	180.63
		Mz	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.360	-0.360	-0.360	-0.360	-0.360
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-4.262	-3.178	-2.095	-1.011	0.072
		Mt	0.00	0.00	0.00	0.00	0.00
		My	80.38	81.14	81.69	82.01	82.10
		Mz	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.097	-0.097	-0.097	-0.097	-0.097
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.025	0.025	0.025	0.025	0.025
		Mt	0.00	0.00	0.00	0.00	0.00
		My	25.69	25.68	25.68	25.67	25.67
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-29.449	-29.449	-29.449	-29.449	-29.449
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.515	-0.515	-0.515	-0.515	-0.515
		Mt	0.00	0.00	0.00	0.00	0.00
		My	2.52	2.63	2.74	2.84	2.95
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-13.613	-13.613	-13.613	-13.613	-13.613
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.496	0.496	0.496	0.496	0.496
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-2.43	-2.53	-2.64	-2.74	-2.84
		Mz	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.119	0.119	0.119	0.119	0.119
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.011	0.011	0.011	0.011	0.011
		Mt	0.00	0.00	0.00	0.00	0.00
		My	14.72	14.72	14.71	14.71	14.71
		Mz	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-1.173	-1.173	-1.173	-1.173	-1.173
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-13.652	-10.185	-6.718	-3.251	0.216
		Mt	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		My	238.36	240.82	242.56	243.59	243.90
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	1.282	1.282	1.282	1.282	1.282
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-25.622	-25.622	-25.622	-25.622	-25.622
		Mt	0.00	0.00	0.00	0.00	0.00
		My	125.55	130.83	136.12	141.40	146.68
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	1.144	1.144	1.144	1.144	1.144
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	25.920	25.920	25.920	25.920	25.920
		Mt	0.00	0.00	0.00	0.00	0.00
		My	167.70	162.35	157.01	151.66	146.32
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.645	-0.645	-0.645	-0.645	-0.645
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-25.616	-25.616	-25.616	-25.616	-25.616
		Mt	0.00	0.00	0.00	0.00	0.00
		My	125.52	130.80	136.09	141.37	146.65
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-1.041	-1.041	-1.041	-1.041	-1.041
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	25.906	25.906	25.906	25.906	25.906
		Mt	0.00	0.00	0.00	0.00	0.00
		My	167.77	162.42	157.08	151.74	146.39
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-2.803	-2.803	-2.803	-2.803	-2.803
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.009	-0.009	-0.009	-0.009	-0.009
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.04	0.04	0.05	0.05	0.05
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-3.592	-3.592	-3.592	-3.592	-3.592
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.017	-0.017	-0.017	-0.017	-0.017
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.09	0.09	0.09	0.10	0.10
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-1.926	-1.926	-1.926	-1.926	-1.926
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.006	-0.006	-0.006	-0.006	-0.006
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.03	0.03	0.03	0.03	0.03
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-2.357	-2.357	-2.357	-2.357	-2.357
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.011	-0.011	-0.011	-0.011	-0.011
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.05	0.05	0.06	0.06	0.06

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-1.570	-1.570	-1.570	-1.570	-1.570
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.001	0.001	0.001	0.001	0.001
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N40/N136	Peso próprio	N	-1.025	-1.025	-1.025	-1.025	-1.025
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.202	0.867	1.532	2.197	2.862
		Mt	0.00	0.00	0.00	0.00	0.00
		My	54.00	53.89	53.64	53.26	52.74
		Mz	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-1.383	-1.383	-1.383	-1.383	-1.383
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.283	3.780	7.843	11.906	15.969
		Mt	0.00	0.00	0.00	0.00	0.00
		My	321.21	320.85	319.65	317.62	314.74
		Mz	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-0.782	-0.782	-0.782	-0.782	-0.782
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.158	2.225	4.609	6.992	9.376
		Mt	0.00	0.00	0.00	0.00	0.00
		My	180.63	180.42	179.71	178.52	176.83
		Mz	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.356	-0.356	-0.356	-0.356	-0.356
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.072	1.011	2.095	3.178	4.262
		Mt	0.00	0.00	0.00	0.00	0.00
		My	82.10	82.01	81.69	81.14	80.38
		Mz	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.095	-0.095	-0.095	-0.095	-0.095
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.025	-0.025	-0.025	-0.025	-0.025
		Mt	0.00	0.00	0.00	0.00	0.00
		My	25.67	25.67	25.68	25.68	25.69
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-16.230	-16.230	-16.230	-16.230	-16.230
		Vy	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Vz	-0.523	-0.523	-0.523	-0.523	-0.523
		Mt	0.00	0.00	0.00	0.00	0.00
		My	-2.99	-2.89	-2.78	-2.67	-2.56
		Mz	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-27.318	-27.318	-27.318	-27.318	-27.318
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.488	0.488	0.488	0.488	0.488
		Mt	0.00	0.00	0.00	0.00	0.00
		My	2.79	2.69	2.59	2.49	2.39
		Mz	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.119	0.119	0.119	0.119	0.119
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.011	-0.011	-0.011	-0.011	-0.011
		Mt	0.00	0.00	0.00	0.00	0.00
		My	14.71	14.71	14.71	14.72	14.72
		Mz	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-1.163	-1.163	-1.163	-1.163	-1.163
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-0.216	3.251	6.718	10.185	13.652
		Mt	0.00	0.00	0.00	0.00	0.00
		My	243.91	243.59	242.56	240.82	238.36
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	1.144	1.144	1.144	1.144	1.144
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-25.920	-25.920	-25.920	-25.920	-25.920
		Mt	0.00	0.00	0.00	0.00	0.00
		My	146.32	151.66	157.01	162.35	167.70
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	1.282	1.282	1.282	1.282	1.282
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	25.622	25.622	25.622	25.622	25.622
		Mt	0.00	0.00	0.00	0.00	0.00
		My	146.68	141.40	136.12	130.83	125.55
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-1.038	-1.038	-1.038	-1.038	-1.038
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	-25.906	-25.906	-25.906	-25.906	-25.906
		Mt	0.00	0.00	0.00	0.00	0.00
		My	146.40	151.74	157.08	162.42	167.77
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.643	-0.643	-0.643	-0.643	-0.643
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	25.616	25.616	25.616	25.616	25.616
		Mt	0.00	0.00	0.00	0.00	0.00
		My	146.65	141.37	136.09	130.80	125.52
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-3.582	-3.582	-3.582	-3.582	-3.582
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.017	0.017	0.017	0.017	0.017

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Esforços em barras, por hipóteses/ações							
Barra	Hipótese	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.10	0.10	0.09	0.09	0.09
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-2.798	-2.798	-2.798	-2.798	-2.798
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.009	0.009	0.009	0.009	0.009
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.05	0.05	0.05	0.05	0.04
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-2.344	-2.344	-2.344	-2.344	-2.344
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.011	0.011	0.011	0.011	0.011
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.06	0.06	0.06	0.06	0.05
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-1.919	-1.919	-1.919	-1.919	-1.919
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.006	0.006	0.006	0.006	0.006
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.03	0.03	0.03	0.03	0.03
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-1.314	-1.314	-1.314	-1.314	-1.314
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.002	0.002	0.002	0.002	0.002
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.01	0.01	0.01	0.01	0.01
		Mz	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N136/N138	Peso próprio	N	-1.025	-1.025	-1.025	-1.025	-1.025	-1.025	-1.025	-1.025	-1.025
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	2.862	4.244	5.626	6.317	7.699	9.081	10.463	11.154	12.536
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	52.74	51.22	49.10	47.82	44.82	41.22	37.03	34.72	29.64
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-1.383	-1.383	-1.383	-1.383	-1.383	-1.383	-1.383	-1.383	-1.383
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	15.969	24.412	32.855	37.076	45.519	53.961	62.404	66.625	75.068
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	314.74	306.09	293.82	286.33	268.63	247.31	222.37	208.55	178.19
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-0.782	-0.782	-0.782	-0.782	-0.782	-0.782	-0.782	-0.782	-0.782
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Vz	9.376	14.329	19.282	21.759	26.712	31.665	36.618	39.094	44.048
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	176.83	171.75	164.55	160.15	149.76	137.25	122.62	114.51	96.69
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.356	-0.356	-0.356	-0.356	-0.356	-0.356	-0.356	-0.356	-0.356
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	4.262	6.513	8.765	9.890	12.142	14.393	16.645	17.770	20.022
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	80.38	78.07	74.79	72.79	68.07	62.39	55.74	52.05	43.95
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.69	25.70	25.71	25.71	25.72	25.74	25.75	25.75	25.76
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-16.230	-16.230	-16.230	-16.230	-16.230	-16.230	-16.230	-16.230	-16.230
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.523	-0.523	-0.523	-0.523	-0.523	-0.523	-0.523	-0.523	-0.523
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.56	-2.34	-2.11	-2.00	-1.78	-1.55	-1.33	-1.22	-0.99
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-27.318	-27.318	-27.318	-27.318	-27.318	-27.318	-27.318	-27.318	-27.318
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.488	0.488	0.488	0.488	0.488	0.488	0.488	0.488	0.488
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.39	2.18	1.97	1.87	1.66	1.45	1.24	1.14	0.93
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.72	14.72	14.73	14.73	14.74	14.74	14.75	14.75	14.75
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-1.163	-1.163	-1.163	-1.163	-1.163	-1.163	-1.163	-1.163	-1.163
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	13.652	20.857	28.061	31.664	38.868	46.072	53.277	56.879	64.084
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	238.36	230.97	220.49	214.09	198.97	180.77	159.48	147.68	121.76
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	1.144	1.144	1.144	1.144	1.144	1.144	1.144	1.144	1.144
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-25.920	-13.537	-1.155	5.037	17.419	29.802	42.185	48.376	60.759
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	167.70	176.15	179.30	178.89	174.07	163.96	148.53	138.83	115.44
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	1.282	1.282	1.282	1.282	1.282	1.282	1.282	1.282	1.282
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	25.622	25.622	25.622	25.622	25.622	25.622	25.622	25.622	25.622
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	125.55	114.57	103.59	98.09	87.11	76.13	65.15	59.66	48.68
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-1.038	-1.038	-1.038	-1.038	-1.038	-1.038	-1.038	-1.038	-1.038
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-25.906	-13.523	-1.141	5.051	17.433	29.816	42.199	48.390	60.772
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	167.77	176.22	179.36	178.94	174.12	164.00	148.57	138.86	115.47

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.643	-0.643	-0.643	-0.643	-0.643	-0.643	-0.643	-0.643	-0.643
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	25.616	25.616	25.616	25.616	25.616	25.616	25.616	25.616	25.616
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	125.52	114.54	103.56	98.07	87.10	76.12	65.14	59.65	48.67
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-3.582	-3.582	-3.582	-3.582	-3.582	-3.582	-3.582	-3.582	-3.582
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.09	0.08	0.07	0.07	0.06	0.05	0.04	0.04	0.03
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-2.798	-2.798	-2.798	-2.798	-2.798	-2.798	-2.798	-2.798	-2.798
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.04	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.02
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-2.344	-2.344	-2.344	-2.344	-2.344	-2.344	-2.344	-2.344	-2.344
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.05	0.05	0.04	0.04	0.04	0.03	0.03	0.03	0.02
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-1.919	-1.919	-1.919	-1.919	-1.919	-1.919	-1.919	-1.919	-1.919
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.03	0.03	0.02	0.02	0.02	0.02	0.01	0.01	0.01
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-1.314	-1.314	-1.314	-1.314	-1.314	-1.314	-1.314	-1.314	-1.314
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N138/N137	Peso próprio	N	-1.025	-1.025	-1.025
		Vy	0.000	0.000	0.000
		Vz	12.536	13.181	13.826
		Mt	0.00	0.00	0.00
		My	29.64	27.07	24.37
		Mz	0.00	0.00	0.00
	LAJE	N	-1.383	-1.383	-1.383
		Vy	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Vz	75.068	79.008	82.948
		Mt	0.00	0.00	0.00
		My	178.19	162.78	146.58
		Mz	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-0.782	-0.782	-0.782
		Vy	0.000	0.000	0.000
		Vz	44.048	44.048	44.048
		Mt	0.00	0.00	0.00
		My	96.69	87.88	79.07
		Mz	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.356	-0.356	-0.356
		Vy	0.000	0.000	0.000
		Vz	20.022	20.022	20.022
		Mt	0.00	0.00	0.00
		My	43.95	39.95	35.94
		Mz	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.095	-0.095	-0.095
		Vy	0.000	0.000	0.000
		Vz	-0.025	7.566	15.157
		Mt	0.00	0.00	0.00
		My	25.76	25.01	22.74
		Mz	0.00	0.00	0.00
	Vento 0	N	-16.230	-16.230	-16.230
		Vy	0.000	0.000	0.000
		Vz	-0.523	-0.523	-0.523
		Mt	0.00	0.00	0.00
		My	-0.99	-0.89	-0.78
		Mz	0.00	0.00	0.00
	Vento 180	N	-27.318	-27.318	-27.318
		Vy	0.000	0.000	0.000
		Vz	0.488	0.488	0.488
		Mt	0.00	0.00	0.00
		My	0.93	0.83	0.73
		Mz	0.00	0.00	0.00
	Multidão - Passeio	N	0.119	0.119	0.119
		Vy	0.000	0.000	0.000
		Vz	-0.011	-0.011	-0.011
		Mt	0.00	0.00	0.00
		My	14.75	14.76	14.76
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	-1.163	-1.163	-1.163
		Vy	0.000	0.000	0.000
		Vz	64.084	64.084	64.084
		Mt	0.00	0.00	0.00
		My	121.76	108.94	96.13
		Mz	0.00	0.00	0.00
	TB-450 - A1	N	1.144	1.144	1.144
		Vy	0.000	0.000	0.000
		Vz	60.759	60.759	60.759

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		Mt	0.00	0.00	0.00
		My	115.44	103.29	91.14
		Mz	0.00	0.00	0.00
	TB-450 - A2	N	1.282	1.282	1.282
		Vy	0.000	0.000	0.000
		Vz	25.622	25.622	25.622
		Mt	0.00	0.00	0.00
		My	48.68	43.56	38.43
		Mz	0.00	0.00	0.00
	TB-450 - B1	N	-1.038	-1.038	-1.038
		Vy	0.000	0.000	0.000
		Vz	60.772	60.772	60.772
		Mt	0.00	0.00	0.00
		My	115.47	103.31	91.16
		Mz	0.00	0.00	0.00
	TB-450 - B2	N	-0.643	-0.643	-0.643
		Vy	0.000	0.000	0.000
		Vz	25.616	25.616	25.616
		Mt	0.00	0.00	0.00
		My	48.67	43.55	38.42
		Mz	0.00	0.00	0.00
	TB-450 - C1	N	-3.582	-3.582	-3.582
		Vy	0.000	0.000	0.000
		Vz	0.017	0.017	0.017
		Mt	0.00	0.00	0.00
		My	0.03	0.03	0.03
		Mz	0.00	0.00	0.00
	TB-450 - C2	N	-2.798	-2.798	-2.798
		Vy	0.000	0.000	0.000
		Vz	0.009	0.009	0.009
		Mt	0.00	0.00	0.00
		My	0.02	0.02	0.01
		Mz	0.00	0.00	0.00
	TB-450 - D1	N	-2.344	-2.344	-2.344
		Vy	0.000	0.000	0.000
		Vz	0.011	0.011	0.011
		Mt	0.00	0.00	0.00
		My	0.02	0.02	0.02
		Mz	0.00	0.00	0.00
	TB-450 - D2	N	-1.919	-1.919	-1.919
		Vy	0.000	0.000	0.000
		Vz	0.006	0.006	0.006
		Mt	0.00	0.00	0.00
		My	0.01	0.01	0.01
		Mz	0.00	0.00	0.00
	TB-450 - E1	N	-1.314	-1.314	-1.314
		Vy	0.000	0.000	0.000
		Vz	0.002	0.002	0.002
		Mt	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N137/N103	Peso próprio	N	-1.025	-1.025	-1.025	-1.025	-1.025	-1.025	-1.025	-1.025	-1.025
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	13.826	14.431	15.036	15.640	16.245	16.850	17.454	18.059	18.663
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	24.37	21.72	18.96	16.08	13.09	9.99	6.77	3.44	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-1.383	-1.383	-1.383	-1.383	-1.383	-1.383	-1.383	-1.383	-1.383
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	82.948	86.642	90.335	94.029	97.723	101.416	105.110	108.804	112.497
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	146.58	130.69	114.09	96.81	78.83	60.16	40.80	20.75	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-0.782	-0.782	-0.782	-0.782	-0.782	-0.782	-0.782	-0.782	-0.782
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	44.048	46.214	48.381	50.548	52.715	54.882	57.049	59.216	61.383
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	79.07	70.61	61.74	52.47	42.79	32.70	22.21	11.31	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.356	-0.356	-0.356	-0.356	-0.356	-0.356	-0.356	-0.356	-0.356
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	20.022	21.007	21.992	22.977	23.962	24.947	25.931	26.916	27.901
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	35.94	32.10	28.06	23.85	19.45	14.86	10.09	5.14	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	15.157	15.157	15.157	15.157	15.157	15.157	15.157	15.157	15.157
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	22.74	19.89	17.05	14.21	11.37	8.53	5.68	2.84	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-16.230	-16.230	-16.230	-16.230	-16.230	-16.230	-16.230	-16.230	-16.230
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.523	-0.523	-0.523	-0.523	-0.523	-0.523	-0.523	-0.523	-0.523
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.78	-0.69	-0.59	-0.49	-0.39	-0.29	-0.20	-0.10	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-27.318	-27.318	-27.318	-27.318	-27.318	-27.318	-27.318	-27.318	-27.318
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.488	0.488	0.488	0.488	0.488	0.488	0.488	0.488	0.488
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.73	0.64	0.55	0.46	0.37	0.27	0.18	0.09	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.011	2.451	4.914	7.376	9.839	12.301	14.763	17.226	19.688
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.76	14.53	13.84	12.69	11.07	9.00	6.46	3.46	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-1.163	-1.163	-1.163	-1.163	-1.163	-1.163	-1.163	-1.163	-1.163
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	64.084	64.084	64.084	64.084	64.084	64.084	64.084	64.084	64.084
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	96.13	84.11	72.09	60.08	48.06	36.05	24.03	12.02	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	1.144	1.144	1.144	1.144	1.144	1.144	1.144	1.144	1.144
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	60.759	60.759	60.759	60.759	60.759	60.759	60.759	60.759	60.759
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	91.14	79.75	68.35	56.96	45.57	34.18	22.78	11.39	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	1.282	1.282	1.282	1.282	1.282	1.282	1.282	1.282	1.282
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	25.622	25.622	25.622	25.622	25.622	25.622	25.622	25.622	25.622
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	38.43	33.63	28.82	24.02	19.22	14.41	9.61	4.80	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-1.038	-1.038	-1.038	-1.038	-1.038	-1.038	-1.038	-1.038	-1.038
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	60.772	60.772	60.772	60.772	60.772	60.772	60.772	60.772	60.772
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	91.16	79.76	68.37	56.97	45.58	34.18	22.79	11.39	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.643	-0.643	-0.643	-0.643	-0.643	-0.643	-0.643	-0.643	-0.643
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	25.616	25.616	25.616	25.616	25.616	25.616	25.616	25.616	25.616
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	38.42	33.62	28.82	24.02	19.21	14.41	9.61	4.80	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-3.582	-3.582	-3.582	-3.582	-3.582	-3.582	-3.582	-3.582	-3.582
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-2.798	-2.798	-2.798	-2.798	-2.798	-2.798	-2.798	-2.798	-2.798
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-2.344	-2.344	-2.344	-2.344	-2.344	-2.344	-2.344	-2.344	-2.344
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-1.919	-1.919	-1.919	-1.919	-1.919	-1.919	-1.919	-1.919	-1.919
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		My	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-1.314	-1.314	-1.314	-1.314	-1.314	-1.314	-1.314	-1.314	-1.314
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N122/N184	Peso próprio	N	-3.756	-3.756	-3.756	-3.756	-3.756	-3.756	-3.756	-3.756	-3.756
		Vy	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017
		Vz	-1.709	-1.525	-1.342	-1.158	-0.975	-0.791	-0.608	-0.424	-0.241
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	1.16	2.18	3.08	3.84	4.47	4.97	5.34	5.58
		Mz	0.00	0.01	0.02	0.04	0.05	0.06	0.07	0.08	0.09
	LAJE	N	-1.063	-1.063	-1.063	-1.063	-1.063	-1.063	-1.063	-1.063	-1.063
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-0.580	-0.580	-0.580	-0.580	-0.580	-0.580	-0.580	-0.580	-0.580
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.264	-0.264	-0.264	-0.264	-0.264	-0.264	-0.264	-0.264	-0.264
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.143	-0.143	-0.143	-0.143	-0.143	-0.143	-0.143	-0.143	-0.143
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-3.068	-3.068	-3.068	-3.068	-3.068	-3.068	-3.068	-3.068	-3.068
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.186	-0.186	-0.186	-0.186	-0.186	-0.186	-0.186	-0.186	-0.186
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-0.606	-0.606	-0.606	-0.606	-0.606	-0.606	-0.606	-0.606	-0.606
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.131	-0.131	-0.131	-0.131	-0.131	-0.131	-0.131	-0.131	-0.131
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.311	-0.311	-0.311	-0.311	-0.311	-0.311	-0.311	-0.311	-0.311
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.128	-0.128	-0.128	-0.128	-0.128	-0.128	-0.128	-0.128	-0.128
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.257	-0.257	-0.257	-0.257	-0.257	-0.257	-0.257	-0.257	-0.257
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.271	-0.271	-0.271	-0.271	-0.271	-0.271	-0.271	-0.271	-0.271
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
	TB-450 - D2	N	-0.185	-0.185	-0.185	-0.185	-0.185	-0.185	-0.185	-0.185	-0.185
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.071	-0.071	-0.071	-0.071	-0.071	-0.071	-0.071	-0.071	-0.071
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N184/N114	Peso próprio	N	-3.774	-3.774	-3.774	-3.774	-3.774	-3.774	-3.774	-3.774	-3.774
		Vy	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
		Vz	0.241	0.424	0.608	0.791	0.975	1.158	1.342	1.525	1.709
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.58	5.34	4.97	4.47	3.84	3.08	2.18	1.16	0.00
		Mz	0.09	0.08	0.07	0.06	0.05	0.04	0.02	0.01	0.00
	LAJE	N	-0.652	-0.652	-0.652	-0.652	-0.652	-0.652	-0.652	-0.652	-0.652
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-0.356	-0.356	-0.356	-0.356	-0.356	-0.356	-0.356	-0.356	-0.356
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.162	-0.162	-0.162	-0.162	-0.162	-0.162	-0.162	-0.162	-0.162
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.088	-0.088	-0.088	-0.088	-0.088	-0.088	-0.088	-0.088	-0.088
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-4.117	-4.117	-4.117	-4.117	-4.117	-4.117	-4.117	-4.117	-4.117
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.114	-0.114	-0.114	-0.114	-0.114	-0.114	-0.114	-0.114	-0.114
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-0.372	-0.372	-0.372	-0.372	-0.372	-0.372	-0.372	-0.372	-0.372
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.132	-0.132	-0.132	-0.132	-0.132	-0.132	-0.132	-0.132	-0.132
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.129	-0.129	-0.129	-0.129	-0.129	-0.129	-0.129	-0.129	-0.129
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.314	-0.314	-0.314	-0.314	-0.314	-0.314	-0.314	-0.314	-0.314
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.267	-0.267	-0.267	-0.267	-0.267	-0.267	-0.267	-0.267	-0.267
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.197	-0.197	-0.197	-0.197	-0.197	-0.197	-0.197	-0.197	-0.197
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.179	-0.179	-0.179	-0.179	-0.179	-0.179	-0.179	-0.179	-0.179
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.175	-0.175	-0.175	-0.175	-0.175	-0.175	-0.175	-0.175	-0.175
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N120/N185	Peso próprio	N	-3.941	-3.941	-3.941	-3.941	-3.941	-3.941	-3.941	-3.941	-3.941
		Vy	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016
		Vz	-1.709	-1.525	-1.342	-1.158	-0.975	-0.791	-0.608	-0.424	-0.241
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	1.16	2.18	3.08	3.84	4.47	4.97	5.34	5.58
		Mz	0.00	0.01	0.02	0.03	0.05	0.06	0.07	0.08	0.09
	LAJE	N	-2.096	-2.096	-2.096	-2.096	-2.096	-2.096	-2.096	-2.096	-2.096
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02
	PAVIMENTAÇÃO	N	-1.144	-1.144	-1.144	-1.144	-1.144	-1.144	-1.144	-1.144	-1.144
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01
	RECAPEAMENTO	N	-0.520	-0.520	-0.520	-0.520	-0.520	-0.520	-0.520	-0.520	-0.520
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-8.340	-8.340	-8.340	-8.340	-8.340	-8.340	-8.340	-8.340	-8.340

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.364	-0.364	-0.364	-0.364	-0.364	-0.364	-0.364	-0.364	-0.364
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-1.198	-1.198	-1.198	-1.198	-1.198	-1.198	-1.198	-1.198	-1.198
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01
	TB-450 - A1	N	-0.162	-0.162	-0.162	-0.162	-0.162	-0.162	-0.162	-0.162	-0.162
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.198	-0.198	-0.198	-0.198	-0.198	-0.198	-0.198	-0.198	-0.198
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.355	-0.355	-0.355	-0.355	-0.355	-0.355	-0.355	-0.355	-0.355
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.450	-0.450	-0.450	-0.450	-0.450	-0.450	-0.450	-0.450	-0.450
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.384	-0.384	-0.384	-0.384	-0.384	-0.384	-0.384	-0.384	-0.384
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.592	-0.592	-0.592	-0.592	-0.592	-0.592	-0.592	-0.592	-0.592
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.284	-0.284	-0.284	-0.284	-0.284	-0.284	-0.284	-0.284	-0.284
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.399	-0.399	-0.399	-0.399	-0.399	-0.399	-0.399	-0.399	-0.399
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.114	-0.114	-0.114	-0.114	-0.114	-0.114	-0.114	-0.114	-0.114
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N185/N113	Peso próprio	N	-3.917	-3.917	-3.917	-3.917	-3.917	-3.917	-3.917	-3.917	-3.917
		Vy	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vz	0.241	0.424	0.608	0.791	0.975	1.158	1.342	1.525	1.709
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.58	5.34	4.97	4.47	3.84	3.08	2.18	1.16	0.00
		Mz	0.09	0.08	0.07	0.06	0.05	0.03	0.02	0.01	0.00
	LAJE	N	-1.659	-1.659	-1.659	-1.659	-1.659	-1.659	-1.659	-1.659	-1.659
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-0.906	-0.906	-0.906	-0.906	-0.906	-0.906	-0.906	-0.906	-0.906
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.412	-0.412	-0.412	-0.412	-0.412	-0.412	-0.412	-0.412	-0.412
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.223	-0.223	-0.223	-0.223	-0.223	-0.223	-0.223	-0.223	-0.223
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-3.247	-3.247	-3.247	-3.247	-3.247	-3.247	-3.247	-3.247	-3.247
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-5.045	-5.045	-5.045	-5.045	-5.045	-5.045	-5.045	-5.045	-5.045
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.287	-0.287	-0.287	-0.287	-0.287	-0.287	-0.287	-0.287	-0.287
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-0.949	-0.949	-0.949	-0.949	-0.949	-0.949	-0.949	-0.949	-0.949
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.197	-0.197	-0.197	-0.197	-0.197	-0.197	-0.197	-0.197	-0.197
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.161	-0.161	-0.161	-0.161	-0.161	-0.161	-0.161	-0.161	-0.161
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.447	-0.447	-0.447	-0.447	-0.447	-0.447	-0.447	-0.447	-0.447
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.351	-0.351	-0.351	-0.351	-0.351	-0.351	-0.351	-0.351	-0.351
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.582	-0.582	-0.582	-0.582	-0.582	-0.582	-0.582	-0.582	-0.582
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
	TB-450 - C2	N	-0.318	-0.318	-0.318	-0.318	-0.318	-0.318	-0.318	-0.318	-0.318
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.386	-0.386	-0.386	-0.386	-0.386	-0.386	-0.386	-0.386	-0.386
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.270	-0.270	-0.270	-0.270	-0.270	-0.270	-0.270	-0.270	-0.270
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.129	-0.129	-0.129	-0.129	-0.129	-0.129	-0.129	-0.129	-0.129
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N121/N186	Peso próprio	N	-4.158	-4.158	-4.158	-4.158	-4.158	-4.158	-4.158	-4.158	-4.158
		Vy	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
		Vz	-1.709	-1.525	-1.342	-1.158	-0.975	-0.791	-0.608	-0.424	-0.241
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	1.16	2.18	3.08	3.84	4.47	4.97	5.34	5.58
		Mz	0.00	0.01	0.02	0.03	0.04	0.05	0.07	0.08	0.09
	LAJE	N	-2.825	-2.825	-2.825	-2.825	-2.825	-2.825	-2.825	-2.825	-2.825
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02	-0.03
	PAVIMENTAÇÃO	N	-1.542	-1.542	-1.542	-1.542	-1.542	-1.542	-1.542	-1.542	-1.542
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02
	RECAPEAMENTO	N	-0.701	-0.701	-0.701	-0.701	-0.701	-0.701	-0.701	-0.701	-0.701
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01
	GUARDA-RODAS	N	-0.379	-0.379	-0.379	-0.379	-0.379	-0.379	-0.379	-0.379	-0.379
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-16.367	-16.367	-16.367	-16.367	-16.367	-16.367	-16.367	-16.367	-16.367
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-5.161	-5.161	-5.161	-5.161	-5.161	-5.161	-5.161	-5.161	-5.161
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.488	-0.488	-0.488	-0.488	-0.488	-0.488	-0.488	-0.488	-0.488
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-1.618	-1.618	-1.618	-1.618	-1.618	-1.618	-1.618	-1.618	-1.618
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02
	TB-450 - A1	N	-0.269	-0.269	-0.269	-0.269	-0.269	-0.269	-0.269	-0.269	-0.269
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.354	-0.354	-0.354	-0.354	-0.354	-0.354	-0.354	-0.354	-0.354
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.553	-0.553	-0.553	-0.553	-0.553	-0.553	-0.553	-0.553	-0.553
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
	TB-450 - B2	N	-0.766	-0.766	-0.766	-0.766	-0.766	-0.766	-0.766	-0.766	-0.766
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
	TB-450 - C1	N	-0.518	-0.518	-0.518	-0.518	-0.518	-0.518	-0.518	-0.518	-0.518
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
	TB-450 - C2	N	-0.748	-0.748	-0.748	-0.748	-0.748	-0.748	-0.748	-0.748	-0.748
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
	TB-450 - D1	N	-0.365	-0.365	-0.365	-0.365	-0.365	-0.365	-0.365	-0.365	-0.365
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.491	-0.491	-0.491	-0.491	-0.491	-0.491	-0.491	-0.491	-0.491
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.136	-0.136	-0.136	-0.136	-0.136	-0.136	-0.136	-0.136	-0.136
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N186/N115	Peso próprio	N	-4.131	-4.131	-4.131	-4.131	-4.131	-4.131	-4.131	-4.131	-4.131
		Vy	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vz	0.241	0.424	0.608	0.791	0.975	1.158	1.342	1.525	1.709
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.58	5.34	4.97	4.47	3.84	3.08	2.18	1.16	0.00
		Mz	0.09	0.08	0.07	0.05	0.04	0.03	0.02	0.01	0.00
	LAJE	N	-2.778	-2.778	-2.778	-2.778	-2.778	-2.778	-2.778	-2.778	-2.778
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	-0.03	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	0.00
	PAVIMENTAÇÃO	N	-1.516	-1.516	-1.516	-1.516	-1.516	-1.516	-1.516	-1.516	-1.516
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.689	-0.689	-0.689	-0.689	-0.689	-0.689	-0.689	-0.689	-0.689

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.372	-0.372	-0.372	-0.372	-0.372	-0.372	-0.372	-0.372	-0.372
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-8.446	-8.446	-8.446	-8.446	-8.446	-8.446	-8.446	-8.446	-8.446
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-12.404	-12.404	-12.404	-12.404	-12.404	-12.404	-12.404	-12.404	-12.404
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.480	-0.480	-0.480	-0.480	-0.480	-0.480	-0.480	-0.480	-0.480
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-1.591	-1.591	-1.591	-1.591	-1.591	-1.591	-1.591	-1.591	-1.591
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
	TB-450 - A1	N	-0.352	-0.352	-0.352	-0.352	-0.352	-0.352	-0.352	-0.352	-0.352
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.267	-0.267	-0.267	-0.267	-0.267	-0.267	-0.267	-0.267	-0.267
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.760	-0.760	-0.760	-0.760	-0.760	-0.760	-0.760	-0.760	-0.760
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.546	-0.546	-0.546	-0.546	-0.546	-0.546	-0.546	-0.546	-0.546
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.737	-0.737	-0.737	-0.737	-0.737	-0.737	-0.737	-0.737	-0.737
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.507	-0.507	-0.507	-0.507	-0.507	-0.507	-0.507	-0.507	-0.507
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.477	-0.477	-0.477	-0.477	-0.477	-0.477	-0.477	-0.477	-0.477
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.351	-0.351	-0.351	-0.351	-0.351	-0.351	-0.351	-0.351	-0.351
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.154	-0.154	-0.154	-0.154	-0.154	-0.154	-0.154	-0.154	-0.154
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
N28/N35	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	23.375	23.375	23.375	23.375	23.375	23.375	23.375	23.375	23.375
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	1.118	1.118	1.118	1.118	1.118	1.118	1.118	1.118	1.118
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	1.104	1.104	1.104	1.104	1.104	1.104	1.104	1.104	1.104
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
N197/N35	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	24.818	24.818	24.818	24.818	24.818	24.818	24.818	24.818	24.818
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	1.106	1.106	1.106	1.106	1.106	1.106	1.106	1.106	1.106
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	1.121	1.121	1.121	1.121	1.121	1.121	1.121	1.121	1.121

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
N32/N197	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	32.912	32.912	32.912	32.912	32.912	32.912	32.912	32.912	32.912
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adib José Francisco Junior
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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	1.479	1.479	1.479	1.479	1.479	1.479	1.479	1.479	1.479
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.728	0.728	0.728	0.728	0.728	0.728	0.728	0.728	0.728
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	2.498	2.498	2.498	2.498	2.498	2.498	2.498	2.498	2.498
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	1.642	1.642	1.642	1.642	1.642	1.642	1.642	1.642	1.642
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	3.453	3.453	3.453	3.453	3.453	3.453	3.453	3.453	3.453
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	3.022	3.022	3.022	3.022	3.022	3.022	3.022	3.022	3.022
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Junior
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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
N32/N28	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	42.116	42.116	42.116	42.116	42.116	42.116	42.116	42.116	42.116
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adilo José Francisco Junior
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HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.728	0.728	0.728	0.728	0.728	0.728	0.728	0.728	0.728
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	1.484	1.484	1.484	1.484	1.484	1.484	1.484	1.484	1.484
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	1.643	1.643	1.643	1.643	1.643	1.643	1.643	1.643	1.643
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	2.507	2.507	2.507	2.507	2.507	2.507	2.507	2.507	2.507
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	3.023	3.023	3.023	3.023	3.023	3.023	3.023	3.023	3.023
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	3.465	3.465	3.465	3.465	3.465	3.465	3.465	3.465	3.465
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
N30/N34	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	32.900	32.900	32.900	32.900	32.900	32.900	32.900	32.900	32.900
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	1.116	1.116	1.116	1.116	1.116	1.116	1.116	1.116	1.116
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	1.119	1.119	1.119	1.119	1.119	1.119	1.119	1.119	1.119
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
N199/N34	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	42.147	42.147	42.147	42.147	42.147	42.147	42.147	42.147	42.147
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	1.121	1.121	1.121	1.121	1.121	1.121	1.121	1.121	1.121
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	1.116	1.116	1.116	1.116	1.116	1.116	1.116	1.116	1.116
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adib José Francisco Junior
Resp. Técnico
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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
N34/N198	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adib José Francisco Júnior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	23.356	23.356	23.356	23.356	23.356	23.356	23.356	23.356	23.356
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	1.777	1.777	1.777	1.777	1.777	1.777	1.777	1.777	1.777
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.788	0.788	0.788	0.788	0.788	0.788	0.788	0.788	0.788
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	2.936	2.936	2.936	2.936	2.936	2.936	2.936	2.936	2.936
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	1.794	1.794	1.794	1.794	1.794	1.794	1.794	1.794	1.794
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
N34/N26	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	24.815	24.815	24.815	24.815	24.815	24.815	24.815	24.815	24.815
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.798	0.798	0.798	0.798	0.798	0.798	0.798	0.798	0.798
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	1.784	1.784	1.784	1.784	1.784	1.784	1.784	1.784	1.784
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	1.811	1.811	1.811	1.811	1.811	1.811	1.811	1.811	1.811

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	2.949	2.949	2.949	2.949	2.949	2.949	2.949	2.949	2.949
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N41/N103	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	36.557	36.557	36.557	36.557	36.557	36.557	36.557	36.557	36.557
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	2.324	2.324	2.324	2.324	2.324	2.324	2.324	2.324	2.324
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	1.654	1.654	1.654	1.654	1.654	1.654	1.654	1.654	1.654

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	3.916	3.916	3.916	3.916	3.916	3.916	3.916	3.916	3.916
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	3.264	3.264	3.264	3.264	3.264	3.264	3.264	3.264	3.264
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	2.572	2.572	2.572	2.572	2.572	2.572	2.572	2.572	2.572
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	2.227	2.227	2.227	2.227	2.227	2.227	2.227	2.227	2.227
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N103/N39	Peso próprio	N	1.208	1.208	1.208	1.208	1.208	1.208	1.208	1.208	1.208
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	19.127	19.127	19.127	19.127	19.127	19.127	19.127	19.127	19.127
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adib José Francisco Júnior
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HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	1.375	1.375	1.375	1.375	1.375	1.375	1.375	1.375	1.375
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N40/N104	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	6.907	6.907	6.907	6.907	6.907	6.907	6.907	6.907	6.907
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	3.874	3.874	3.874	3.874	3.874	3.874	3.874	3.874	3.874
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	1.761	1.761	1.761	1.761	1.761	1.761	1.761	1.761	1.761
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.586	0.586	0.586	0.586	0.586	0.586	0.586	0.586	0.586
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	22.010	22.010	22.010	22.010	22.010	22.010	22.010	22.010	22.010
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	5.355	5.355	5.355	5.355	5.355	5.355	5.355	5.355	5.355
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	4.361	4.361	4.361	4.361	4.361	4.361	4.361	4.361	4.361
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	3.498	3.498	3.498	3.498	3.498	3.498	3.498	3.498	3.498
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	2.851	2.851	2.851	2.851	2.851	2.851	2.851	2.851	2.851
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	2.383	2.383	2.383	2.383	2.383	2.383	2.383	2.383	2.383
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N105/N40	Peso próprio	N	1.513	1.513	1.513	1.513	1.513	1.513	1.513	1.513	1.513
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	34.236	34.236	34.236	34.236	34.236	34.236	34.236	34.236	34.236
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	1.410	1.410	1.410	1.410	1.410	1.410	1.410	1.410	1.410
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Junior
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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N41/N110	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	34.220	34.220	34.220	34.220	34.220	34.220	34.220	34.220	34.220
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	1.657	1.657	1.657	1.657	1.657	1.657	1.657	1.657	1.657
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	2.331	2.331	2.331	2.331	2.331	2.331	2.331	2.331	2.331
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	3.269	3.269	3.269	3.269	3.269	3.269	3.269	3.269	3.269
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	3.927	3.927	3.927	3.927	3.927	3.927	3.927	3.927	3.927
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	2.233	2.233	2.233	2.233	2.233	2.233	2.233	2.233	2.233
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	2.586	2.586	2.586	2.586	2.586	2.586	2.586	2.586	2.586
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adilo José Francisco Júnior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N110/N39	Peso próprio	N	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	22.014	22.014	22.014	22.014	22.014	22.014	22.014	22.014	22.014
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	1.722	1.722	1.722	1.722	1.722	1.722	1.722	1.722	1.722
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N40/N112	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	6.944	6.944	6.944	6.944	6.944	6.944	6.944	6.944	6.944
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	3.894	3.894	3.894	3.894	3.894	3.894	3.894	3.894	3.894
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	1.770	1.770	1.770	1.770	1.770	1.770	1.770	1.770	1.770
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.591	0.591	0.591	0.591	0.591	0.591	0.591	0.591	0.591
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	19.132	19.132	19.132	19.132	19.132	19.132	19.132	19.132	19.132
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	5.376	5.376	5.376	5.376	5.376	5.376	5.376	5.376	5.376
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Júnior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	3.503	3.503	3.503	3.503	3.503	3.503	3.503	3.503	3.503
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	4.372	4.372	4.372	4.372	4.372	4.372	4.372	4.372	4.372
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	2.390	2.390	2.390	2.390	2.390	2.390	2.390	2.390	2.390
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	2.866	2.866	2.866	2.866	2.866	2.866	2.866	2.866	2.866
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adib José Francisco Junior
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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N111/N40	Peso próprio	N	1.256	1.256	1.256	1.256	1.256	1.256	1.256	1.256	1.256
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	36.581	36.581	36.581	36.581	36.581	36.581	36.581	36.581	36.581
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	1.691	1.691	1.691	1.691	1.691	1.691	1.691	1.691	1.691
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N43/N115	Peso próprio	N	4.560	4.560	4.560	4.560	4.560	4.560	4.560	4.560	4.560
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	2.872	2.872	2.872	2.872	2.872	2.872	2.872	2.872	2.872
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	1.567	1.567	1.567	1.567	1.567	1.567	1.567	1.567	1.567
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.712	0.712	0.712	0.712	0.712	0.712	0.712	0.712	0.712
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.387	0.387	0.387	0.387	0.387	0.387	0.387	0.387	0.387
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	22.534	22.534	22.534	22.534	22.534	22.534	22.534	22.534	22.534
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	1.637	1.637	1.637	1.637	1.637	1.637	1.637	1.637	1.637
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833	0.833
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.815	0.815	0.815	0.815	0.815	0.815	0.815	0.815	0.815
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.478	0.478	0.478	0.478	0.478	0.478	0.478	0.478	0.478
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521	0.521
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.338	0.338	0.338	0.338	0.338	0.338	0.338	0.338	0.338
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.171	0.171	0.171	0.171	0.171	0.171	0.171	0.171	0.171
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N43/N121	Peso próprio	N	4.603	4.603	4.603	4.603	4.603	4.603	4.603	4.603	4.603
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	2.938	2.938	2.938	2.938	2.938	2.938	2.938	2.938	2.938
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	1.603	1.603	1.603	1.603	1.603	1.603	1.603	1.603	1.603
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.729	0.729	0.729	0.729	0.729	0.729	0.729	0.729	0.729
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	18.183	18.183	18.183	18.183	18.183	18.183	18.183	18.183	18.183
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.514	0.514	0.514	0.514	0.514	0.514	0.514	0.514	0.514
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	1.674	1.674	1.674	1.674	1.674	1.674	1.674	1.674	1.674
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.236	0.236	0.236	0.236	0.236	0.236	0.236	0.236	0.236
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.377	0.377	0.377	0.377	0.377	0.377	0.377	0.377	0.377
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.494	0.494	0.494	0.494	0.494	0.494	0.494	0.494	0.494
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.831	0.831	0.831	0.831	0.831	0.831	0.831	0.831	0.831
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.358	0.358	0.358	0.358	0.358	0.358	0.358	0.358	0.358
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.541	0.541	0.541	0.541	0.541	0.541	0.541	0.541	0.541

Adib José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N186/N113	Peso próprio	N	4.350	4.350	4.350	4.350	4.350	4.350	4.350	4.350	4.350
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	2.172	2.172	2.172	2.172	2.172	2.172	2.172	2.172	2.172
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	1.185	1.185	1.185	1.185	1.185	1.185	1.185	1.185	1.185
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.539	0.539	0.539	0.539	0.539	0.539	0.539	0.539	0.539
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.292	0.292	0.292	0.292	0.292	0.292	0.292	0.292	0.292
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	13.618	13.618	13.618	13.618	13.618	13.618	13.618	13.618	13.618
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Júnior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.379	0.379	0.379	0.379	0.379	0.379	0.379	0.379	0.379
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	1.238	1.238	1.238	1.238	1.238	1.238	1.238	1.238	1.238
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.235	0.235	0.235	0.235	0.235	0.235	0.235	0.235	0.235
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.603	0.603	0.603	0.603	0.603	0.603	0.603	0.603	0.603
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.641	0.641	0.641	0.641	0.641	0.641	0.641	0.641	0.641
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.388	0.388	0.388	0.388	0.388	0.388	0.388	0.388	0.388
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.422	0.422	0.422	0.422	0.422	0.422	0.422	0.422	0.422
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.284	0.284	0.284	0.284	0.284	0.284	0.284	0.284	0.284
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N186/N120	Peso próprio	N	4.379	4.379	4.379	4.379	4.379	4.379	4.379	4.379	4.379
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	2.224	2.224	2.224	2.224	2.224	2.224	2.224	2.224	2.224
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	1.214	1.214	1.214	1.214	1.214	1.214	1.214	1.214	1.214
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.552	0.552	0.552	0.552	0.552	0.552	0.552	0.552	0.552
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.299	0.299	0.299	0.299	0.299	0.299	0.299	0.299	0.299
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adib José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	10.004	10.004	10.004	10.004	10.004	10.004	10.004	10.004	10.004
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.388	0.388	0.388	0.388	0.388	0.388	0.388	0.388	0.388
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	1.268	1.268	1.268	1.268	1.268	1.268	1.268	1.268	1.268
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.238	0.238	0.238	0.238	0.238	0.238	0.238	0.238	0.238
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.401	0.401	0.401	0.401	0.401	0.401	0.401	0.401	0.401
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.653	0.653	0.653	0.653	0.653	0.653	0.653	0.653	0.653
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Júnior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.438	0.438	0.438	0.438	0.438	0.438	0.438	0.438	0.438
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N185/N114	Peso próprio	N	3.972	3.972	3.972	3.972	3.972	3.972	3.972	3.972	3.972
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	8.083	8.083	8.083	8.083	8.083	8.083	8.083	8.083	8.083
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adib José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.251	0.251	0.251	0.251	0.251	0.251	0.251	0.251	0.251
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N185/N122	Peso próprio	N	3.998	3.998	3.998	3.998	3.998	3.998	3.998	3.998	3.998
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.912	0.912	0.912	0.912	0.912	0.912	0.912	0.912	0.912
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.498	0.498	0.498	0.498	0.498	0.498	0.498	0.498	0.498
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.226	0.226	0.226	0.226	0.226	0.226	0.226	0.226	0.226
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Júnior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
	GUARDA-RODAS	N	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	4.581	4.581	4.581	4.581	4.581	4.581	4.581	4.581	4.581
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.520	0.520	0.520	0.520	0.520	0.520	0.520	0.520	0.520
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adib José Francisco Júnior
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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.363	0.363	0.363	0.363	0.363	0.363	0.363	0.363	0.363
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N184/N9	Peso próprio	N	3.550	3.550	3.550	3.550	3.550	3.550	3.550	3.550	3.550
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adib José Francisco Júnior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	9.267	9.267	9.267	9.267	9.267	9.267	9.267	9.267	9.267
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adib José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N184/N5	Peso próprio	N	3.531	3.531	3.531	3.531	3.531	3.531	3.531	3.531	3.531
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adilo José Francisco Junior
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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	4.627	4.627	4.627	4.627	4.627	4.627	4.627	4.627	4.627
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adib José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N46/N10	Peso próprio	N	3.352	3.352	3.352	3.352	3.352	3.352	3.352	3.352	3.352
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	12.480	12.480	12.480	12.480	12.480	12.480	12.480	12.480	12.480
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adilo José Francisco Junior
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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N46/N7	Peso próprio	N	3.251	3.251	3.251	3.251	3.251	3.251	3.251	3.251	3.251
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	14.648	14.648	14.648	14.648	14.648	14.648	14.648	14.648	14.648
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adilo José Francisco Junior
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HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N47/N12	Peso próprio	N	3.793	3.793	3.793	3.793	3.793	3.793	3.793	3.793	3.793
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	9.669	9.669	9.669	9.669	9.669	9.669	9.669	9.669	9.669
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.268	0.268	0.268	0.268	0.268	0.268	0.268	0.268	0.268
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.168	0.168	0.168	0.168	0.168	0.168	0.168	0.168	0.168
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N48/N14	Peso próprio	N	4.244	4.244	4.244	4.244	4.244	4.244	4.244	4.244	4.244
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	2.053	2.053	2.053	2.053	2.053	2.053	2.053	2.053	2.053
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	1.120	1.120	1.120	1.120	1.120	1.120	1.120	1.120	1.120
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.509	0.509	0.509	0.509	0.509	0.509	0.509	0.509	0.509
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
	GUARDA-RODAS	N	0.276	0.276	0.276	0.276	0.276	0.276	0.276	0.276	0.276
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	15.431	15.431	15.431	15.431	15.431	15.431	15.431	15.431	15.431
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.359	0.359	0.359	0.359	0.359	0.359	0.359	0.359	0.359
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	1.170	1.170	1.170	1.170	1.170	1.170	1.170	1.170	1.170
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.158
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.246	0.246	0.246	0.246	0.246	0.246	0.246	0.246	0.246
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.433	0.433	0.433	0.433	0.433	0.433	0.433	0.433	0.433
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
	TB-450 - C1	N	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.570
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.414	0.414	0.414	0.414	0.414	0.414	0.414	0.414	0.414
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.499	0.499	0.499	0.499	0.499	0.499	0.499	0.499	0.499
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N49/N16	Peso próprio	N	4.520	4.520	4.520	4.520	4.520	4.520	4.520	4.520	4.520
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	2.757	2.757	2.757	2.757	2.757	2.757	2.757	2.757	2.757
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	1.505	1.505	1.505	1.505	1.505	1.505	1.505	1.505	1.505
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.684	0.684	0.684	0.684	0.684	0.684	0.684	0.684	0.684
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.371	0.371	0.371	0.371	0.371	0.371	0.371	0.371	0.371
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	24.552	24.552	24.552	24.552	24.552	24.552	24.552	24.552	24.552
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.482
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	1.572	1.572	1.572	1.572	1.572	1.572	1.572	1.572	1.572
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191	0.191
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.306	0.306	0.306	0.306	0.306	0.306	0.306	0.306	0.306
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.520	0.520	0.520	0.520	0.520	0.520	0.520	0.520	0.520
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.602	0.602	0.602	0.602	0.602	0.602	0.602	0.602	0.602
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.684	0.684	0.684	0.684	0.684	0.684	0.684	0.684	0.684
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.786 m	1.572 m	2.358 m	3.144 m	3.931 m	4.717 m	5.503 m	6.289 m
N9/N45	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.786 m	1.572 m	2.358 m	3.144 m	3.931 m	4.717 m	5.503 m	6.289 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.786 m	1.572 m	2.358 m	3.144 m	3.931 m	4.717 m	5.503 m	6.289 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.314	0.314	0.314	0.314	0.314	0.314	0.314	0.314	0.314
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.217
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adilo José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.786 m	1.572 m	2.358 m	3.144 m	3.931 m	4.717 m	5.503 m	6.289 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.786 m	1.572 m	2.358 m	3.144 m	3.931 m	4.717 m	5.503 m	6.289 m
N5/N45	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	1.016	1.016	1.016	1.016	1.016	1.016	1.016	1.016	1.016
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	2.891	2.891	2.891	2.891	2.891	2.891	2.891	2.891	2.891
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adilo José Francisco Júnior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.786 m	1.572 m	2.358 m	3.144 m	3.931 m	4.717 m	5.503 m	6.289 m
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.132	0.132	0.132	0.132	0.132	0.132	0.132	0.132	0.132
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.308	0.308	0.308	0.308	0.308	0.308	0.308	0.308	0.308
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adilo José Francisco Júnior
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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.786 m	1.572 m	2.358 m	3.144 m	3.931 m	4.717 m	5.503 m	6.289 m
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.786 m	1.572 m	2.358 m	3.144 m	3.931 m	4.717 m	5.503 m	6.289 m
N44/N10	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.964	0.964	0.964	0.964	0.964	0.964	0.964	0.964	0.964
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	2.876	2.876	2.876	2.876	2.876	2.876	2.876	2.876	2.876
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adilo José Francisco Júnior
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HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.786 m	1.572 m	2.358 m	3.144 m	3.931 m	4.717 m	5.503 m	6.289 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adib José Francisco Junior
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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.786 m	1.572 m	2.358 m	3.144 m	3.931 m	4.717 m	5.503 m	6.289 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.786 m	1.572 m	2.358 m	3.144 m	3.931 m	4.717 m	5.503 m	6.289 m
N44/N7	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.786 m	1.572 m	2.358 m	3.144 m	3.931 m	4.717 m	5.503 m	6.289 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.786 m	1.572 m	2.358 m	3.144 m	3.931 m	4.717 m	5.503 m	6.289 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N121/N172	Peso próprio	N	-158.702	-158.669	-158.636
		Vy	0.000	0.000	0.000
		Vz	-152.851	-152.621	-152.390
		Mt	0.01	0.01	0.01
		My	-14.20	4.89	23.96
		Mz	-0.03	-0.03	-0.03
	LAJE	N	-352.503	-352.503	-352.503
		Vy	-0.008	-0.008	-0.008
		Vz	-345.789	-345.789	-345.789
		Mt	0.00	0.00	0.00
		My	-28.47	14.75	57.98
		Mz	-0.05	-0.05	-0.05
	PAVIMENTAÇÃO	N	-192.352	-192.352	-192.352
		Vy	-0.004	-0.004	-0.004
		Vz	-188.686	-188.686	-188.686
		Mt	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		My	-15.53	8.05	31.64
		Mz	-0.03	-0.03	-0.02
	RECAPEAMENTO	N	-87.433	-87.433	-87.433
		Vy	-0.002	-0.002	-0.002
		Vz	-85.766	-85.766	-85.766
		Mt	0.00	0.00	0.00
		My	-7.06	3.66	14.38
		Mz	-0.01	-0.01	-0.01
	GUARDA-RODAS	N	-47.457	-47.457	-47.457
		Vy	-0.002	-0.002	-0.002
		Vz	-46.558	-46.558	-46.558
		Mt	0.00	0.00	0.00
		My	-3.84	1.98	7.80
		Mz	-0.01	-0.01	-0.01
	Vento 0	N	-7.034	-7.034	-7.034
		Vy	-1.252	-1.252	-1.252
		Vz	4.006	4.006	4.006
		Mt	-0.03	-0.03	-0.03
		My	0.67	0.17	-0.33
		Mz	-5.23	-5.08	-4.92
	Vento 180	N	2.668	2.668	2.668
		Vy	-2.739	-2.626	-2.514
		Vz	-1.775	-1.775	-1.775
		Mt	-0.04	-0.04	-0.04
		My	-0.16	0.07	0.29
		Mz	4.02	4.36	4.68
	Multidão - Passeio	N	-61.586	-61.586	-61.586
		Vy	-0.004	-0.004	-0.004
		Vz	-60.427	-60.427	-60.427
		Mt	0.00	0.00	0.00
		My	-4.99	2.57	10.12
		Mz	-0.01	-0.01	-0.01
	Multidão - TB450	N	-200.954	-200.954	-200.954
		Vy	-0.001	-0.001	-0.001
		Vz	-197.106	-197.106	-197.106
		Mt	0.00	0.00	0.00
		My	-16.21	8.42	33.06
		Mz	-0.03	-0.03	-0.03
	TB-450 - A1	N	-31.760	-31.760	-31.760
		Vy	0.002	0.002	0.002
		Vz	-13.655	-13.655	-13.655
		Mt	0.01	0.01	0.01
		My	5.49	7.20	8.90
		Mz	0.01	0.01	0.01
	TB-450 - A2	N	-75.346	-75.346	-75.346
		Vy	0.015	0.015	0.015
		Vz	-32.272	-32.272	-32.272
		Mt	-0.01	-0.01	-0.01
		My	12.99	17.03	21.06

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mz	-0.02	-0.03	-0.03
	TB-450 - B1	N	-55.117	-55.117	-55.117
		Vy	-0.016	-0.016	-0.016
		Vz	-61.221	-61.221	-61.221
		Mt	0.00	0.00	0.00
		My	-4.70	2.95	10.61
		Mz	0.02	0.02	0.02
	TB-450 - B2	N	-131.045	-131.045	-131.045
		Vy	0.016	0.016	0.016
		Vz	-145.117	-145.117	-145.117
		Mt	0.00	0.00	0.00
		My	-11.22	6.92	25.06
		Mz	-0.04	-0.04	-0.04
	TB-450 - C1	N	-40.642	-40.642	-40.642
		Vy	-0.022	-0.022	-0.022
		Vz	-45.734	-45.734	-45.734
		Mt	0.00	0.00	0.00
		My	-7.50	-1.78	3.94
		Mz	0.00	0.01	0.01
	TB-450 - C2	N	-96.782	-96.782	-96.782
		Vy	0.010	0.010	0.010
		Vz	-108.515	-108.515	-108.515
		Mt	-0.01	-0.01	-0.01
		My	-17.88	-4.31	9.25
		Mz	-0.03	-0.03	-0.03
	TB-450 - D1	N	-24.499	-24.499	-24.499
		Vy	-0.013	-0.013	-0.013
		Vz	-27.602	-27.602	-27.602
		Mt	0.00	0.00	0.00
		My	-4.60	-1.15	2.30
		Mz	0.00	0.01	0.01
	TB-450 - D2	N	-58.368	-58.368	-58.368
		Vy	0.005	0.005	0.005
		Vz	-65.499	-65.499	-65.499
		Mt	0.00	0.00	0.00
		My	-10.96	-2.77	5.41
		Mz	-0.02	-0.02	-0.02
	TB-450 - E1	N	-8.376	-8.376	-8.376
		Vy	-0.004	-0.004	-0.004
		Vz	-9.496	-9.496	-9.496
		Mt	0.00	0.00	0.00
		My	-1.59	-0.41	0.78
		Mz	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N172/N124	Peso próprio	N	-165.890	-165.844	-165.797	-165.750	-165.703	-165.657	-165.610
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-5.495	-5.168	-4.841	-4.515	-4.188	-3.861	-3.534
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.01	-0.06	0.82	1.65	2.42	3.14	3.79
		Mz	-0.03	-0.03	-0.03	-0.03	-0.02	-0.02	-0.02
	LAJE	N	-369.534	-369.534	-369.534	-369.534	-369.534	-369.534	-369.534
		Vy	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027
		Vz	-8.439	-8.439	-8.439	-8.439	-8.439	-8.439	-8.439
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.60	3.09	4.59	6.08	7.58	9.08	10.57
		Mz	-0.04	-0.04	-0.04	-0.03	-0.03	-0.02	-0.02
	PAVIMENTAÇÃO	N	-201.645	-201.645	-201.645	-201.645	-201.645	-201.645	-201.645
		Vy	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
		Vz	-4.605	-4.605	-4.605	-4.605	-4.605	-4.605	-4.605
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.87	1.69	2.51	3.32	4.14	4.95	5.77
		Mz	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01
	RECAPEAMENTO	N	-91.657	-91.657	-91.657	-91.657	-91.657	-91.657	-91.657
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	-2.093	-2.093	-2.093	-2.093	-2.093	-2.093	-2.093
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.40	0.77	1.14	1.51	1.88	2.25	2.62
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00
	GUARDA-RODAS	N	-49.750	-49.750	-49.750	-49.750	-49.750	-49.750	-49.750
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-1.137	-1.137	-1.137	-1.137	-1.137	-1.137	-1.137
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.21	0.41	0.61	0.82	1.02	1.22	1.42
		Mz	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-6.819	-6.819	-6.819	-6.819	-6.819	-6.819	-6.819
		Vy	-1.225	-1.225	-1.225	-1.225	-1.225	-1.225	-1.225
		Vz	0.080	0.080	0.080	0.080	0.080	0.080	0.080
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.37	0.35	0.34	0.32	0.31	0.30	0.28
		Mz	-4.93	-4.71	-4.49	-4.28	-4.06	-3.84	-3.62
	Vento 180	N	2.563	2.563	2.563	2.563	2.563	2.563	2.563
		Vy	0.266	0.425	0.585	0.744	0.904	1.063	1.223
		Vz	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-0.05	-0.05	-0.04	-0.04	-0.03	-0.03	-0.02
		Mz	4.68	4.62	4.53	4.42	4.27	4.10	3.89
	Multidão - Passeio	N	-64.562	-64.562	-64.562	-64.562	-64.562	-64.562	-64.562
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	-1.477	-1.477	-1.477	-1.477	-1.477	-1.477	-1.477
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.27	0.53	0.79	1.05	1.32	1.58	1.84
		Mz	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-210.662	-210.662	-210.662	-210.662	-210.662	-210.662	-210.662
		Vy	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Vz	-4.808	-4.808	-4.808	-4.808	-4.808	-4.808	-4.808
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.93	1.78	2.63	3.48	4.33	5.19	6.04
		Mz	-0.03	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01
	TB-450 - A1	N	-32.100	-32.100	-32.100	-32.100	-32.100	-32.100	-32.100
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	0.846	0.846	0.846	0.846	0.846	0.846	0.846
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.38	7.23	7.08	6.93	6.78	6.63	6.48
		Mz	0.01	0.01	0.02	0.02	0.02	0.02	0.02
	TB-450 - A2	N	-76.148	-76.148	-76.148	-76.148	-76.148	-76.148	-76.148
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	2.005	2.005	2.005	2.005	2.005	2.005	2.005
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	17.47	17.11	16.76	16.40	16.05	15.69	15.34
		Mz	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
	TB-450 - B1	N	-57.969	-57.969	-57.969	-57.969	-57.969	-57.969	-57.969
		Vy	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022
		Vz	-3.351	-3.351	-3.351	-3.351	-3.351	-3.351	-3.351
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.14	1.74	2.33	2.93	3.52	4.11	4.71
		Mz	0.02	0.03	0.03	0.03	0.04	0.04	0.04
	TB-450 - B2	N	-137.799	-137.799	-137.799	-137.799	-137.799	-137.799	-137.799
		Vy	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vz	-7.949	-7.949	-7.949	-7.949	-7.949	-7.949	-7.949
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.64	4.05	5.46	6.87	8.28	9.69	11.09
		Mz	-0.04	-0.04	-0.05	-0.05	-0.05	-0.05	-0.05
	TB-450 - C1	N	-43.164	-43.164	-43.164	-43.164	-43.164	-43.164	-43.164
		Vy	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022
		Vz	-0.834	-0.834	-0.834	-0.834	-0.834	-0.834	-0.834
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.19	-4.04	-3.89	-3.74	-3.60	-3.45	-3.30
		Mz	0.01	0.01	0.02	0.02	0.02	0.03	0.03
	TB-450 - C2	N	-102.760	-102.760	-102.760	-102.760	-102.760	-102.760	-102.760
		Vy	0.010	0.010	0.010	0.010	0.010	0.010	0.010
		Vz	-1.997	-1.997	-1.997	-1.997	-1.997	-1.997	-1.997
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-10.00	-9.65	-9.30	-8.94	-8.59	-8.23	-7.88
		Mz	-0.03	-0.03	-0.03	-0.03	-0.03	-0.04	-0.04
	TB-450 - D1	N	-26.030	-26.030	-26.030	-26.030	-26.030	-26.030	-26.030
		Vy	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		Vz	-0.368	-0.368	-0.368	-0.368	-0.368	-0.368	-0.368
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.63	-2.56	-2.49	-2.43	-2.36	-2.30	-2.23
		Mz	0.01	0.01	0.01	0.01	0.02	0.02	0.02
	TB-450 - D2	N	-61.998	-61.998	-61.998	-61.998	-61.998	-61.998	-61.998
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	-0.885	-0.885	-0.885	-0.885	-0.885	-0.885	-0.885
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-6.27	-6.11	-5.95	-5.80	-5.64	-5.48	-5.33
		Mz	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
	TB-450 - E1	N	-8.903	-8.903	-8.903	-8.903	-8.903	-8.903	-8.903
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-0.130	-0.130	-0.130	-0.130	-0.130	-0.130	-0.130
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.92	-0.89	-0.87	-0.85	-0.82	-0.80	-0.78
		Mz	0.00	0.00	0.00	0.01	0.01	0.01	0.01
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N124/N171	Peso próprio	N	-165.610	-165.563	-165.516	-165.470	-165.423	-165.376	-165.329
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-3.534	-3.207	-2.881	-2.554	-2.227	-1.900	-1.573
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.79	4.39	4.93	5.41	5.83	6.20	6.51
		Mz	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
	LAJE	N	-369.534	-369.534	-369.534	-369.534	-369.534	-369.534	-369.534
		Vy	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027
		Vz	-8.439	-8.439	-8.439	-8.439	-8.439	-8.439	-8.439
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	10.57	12.07	13.56	15.06	16.55	18.05	19.54
		Mz	-0.02	-0.01	-0.01	0.00	0.00	0.01	0.01
	PAVIMENTAÇÃO	N	-201.645	-201.645	-201.645	-201.645	-201.645	-201.645	-201.645
		Vy	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
		Vz	-4.605	-4.605	-4.605	-4.605	-4.605	-4.605	-4.605
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.77	6.59	7.40	8.22	9.03	9.85	10.67
		Mz	-0.01	-0.01	0.00	0.00	0.00	0.00	0.01
	RECAPEAMENTO	N	-91.657	-91.657	-91.657	-91.657	-91.657	-91.657	-91.657
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	-2.093	-2.093	-2.093	-2.093	-2.093	-2.093	-2.093
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.62	2.99	3.36	3.74	4.11	4.48	4.85
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-49.750	-49.750	-49.750	-49.750	-49.750	-49.750	-49.750
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-1.137	-1.137	-1.137	-1.137	-1.137	-1.137	-1.137
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.42	1.62	1.82	2.02	2.23	2.43	2.63
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-6.819	-6.819	-6.819	-6.819	-6.819	-6.819	-6.819
		Vy	-1.225	-1.225	-1.225	-1.225	-1.225	-1.225	-1.225
		Vz	0.080	0.080	0.080	0.080	0.080	0.080	0.080
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.28	0.27	0.25	0.24	0.22	0.21	0.20

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Mz	-3.62	-3.41	-3.19	-2.97	-2.76	-2.54	-2.32
	Vento 180	N	2.563	2.563	2.563	2.563	2.563	2.563	2.563
		Vy	1.223	1.382	1.542	1.701	1.861	2.020	2.179
		Vz	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-0.02	-0.02	-0.02	-0.01	-0.01	0.00	0.00
		Mz	3.89	3.66	3.40	3.12	2.80	2.46	2.08
	Multidão - Passeio	N	-64.562	-64.562	-64.562	-64.562	-64.562	-64.562	-64.562
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	-1.477	-1.477	-1.477	-1.477	-1.477	-1.477	-1.477
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.84	2.10	2.36	2.62	2.89	3.15	3.41
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-210.662	-210.662	-210.662	-210.662	-210.662	-210.662	-210.662
		Vy	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016
		Vz	-4.808	-4.808	-4.808	-4.808	-4.808	-4.808	-4.808
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.04	6.89	7.74	8.59	9.45	10.30	11.15
		Mz	-0.01	-0.01	0.00	0.00	0.00	0.00	0.01
	TB-450 - A1	N	-32.100	-32.100	-32.100	-32.100	-32.100	-32.100	-32.100
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	0.846	0.846	0.846	0.846	0.846	0.846	0.846
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.48	6.33	6.18	6.03	5.88	5.73	5.58
		Mz	0.02	0.02	0.03	0.03	0.03	0.03	0.03
	TB-450 - A2	N	-76.148	-76.148	-76.148	-76.148	-76.148	-76.148	-76.148
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	2.005	2.005	2.005	2.005	2.005	2.005	2.005
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	15.34	14.98	14.63	14.27	13.92	13.56	13.20
		Mz	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
	TB-450 - B1	N	-57.969	-57.969	-57.969	-57.969	-57.969	-57.969	-57.969
		Vy	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022
		Vz	-3.351	-3.351	-3.351	-3.351	-3.351	-3.351	-3.351
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.71	5.30	5.89	6.49	7.08	7.68	8.27
		Mz	0.04	0.05	0.05	0.06	0.06	0.06	0.07
	TB-450 - B2	N	-137.799	-137.799	-137.799	-137.799	-137.799	-137.799	-137.799
		Vy	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vz	-7.949	-7.949	-7.949	-7.949	-7.949	-7.949	-7.949
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.09	12.50	13.91	15.32	16.73	18.14	19.54
		Mz	-0.05	-0.05	-0.06	-0.06	-0.06	-0.06	-0.06
	TB-450 - C1	N	-43.164	-43.164	-43.164	-43.164	-43.164	-43.164	-43.164
		Vy	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022
		Vz	-0.834	-0.834	-0.834	-0.834	-0.834	-0.834	-0.834
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.30	-3.15	-3.01	-2.86	-2.71	-2.56	-2.41
		Mz	0.03	0.04	0.04	0.04	0.05	0.05	0.06
	TB-450 - C2	N	-102.760	-102.760	-102.760	-102.760	-102.760	-102.760	-102.760
		Vy	0.010	0.010	0.010	0.010	0.010	0.010	0.010
		Vz	-1.997	-1.997	-1.997	-1.997	-1.997	-1.997	-1.997

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-7.88	-7.53	-7.17	-6.82	-6.46	-6.11	-5.76
		Mz	-0.04	-0.04	-0.04	-0.04	-0.05	-0.05	-0.05
	TB-450 - D1	N	-26.030	-26.030	-26.030	-26.030	-26.030	-26.030	-26.030
		Vy	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		Vz	-0.368	-0.368	-0.368	-0.368	-0.368	-0.368	-0.368
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.23	-2.17	-2.10	-2.04	-1.97	-1.91	-1.84
		Mz	0.02	0.02	0.03	0.03	0.03	0.03	0.03
	TB-450 - D2	N	-61.998	-61.998	-61.998	-61.998	-61.998	-61.998	-61.998
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	-0.885	-0.885	-0.885	-0.885	-0.885	-0.885	-0.885
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.33	-5.17	-5.01	-4.85	-4.70	-4.54	-4.38
		Mz	-0.02	-0.02	-0.03	-0.03	-0.03	-0.03	-0.03
	TB-450 - E1	N	-8.903	-8.903	-8.903	-8.903	-8.903	-8.903	-8.903
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-0.130	-0.130	-0.130	-0.130	-0.130	-0.130	-0.130
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.78	-0.75	-0.73	-0.71	-0.69	-0.66	-0.64
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N171/N120	Peso próprio	N	-208.286	-208.253	-208.220
		Vy	-0.005	-0.005	-0.005
		Vz	-124.904	-124.673	-124.443
		Mt	0.00	0.00	0.00
		My	-17.33	-1.73	13.84
		Mz	-0.02	-0.02	-0.02
	LAJE	N	-459.481	-459.481	-459.481
		Vy	-0.047	-0.047	-0.047
		Vz	-267.857	-267.857	-267.857
		Mt	0.00	0.00	0.00
		My	-31.31	2.17	35.65
		Mz	0.01	0.02	0.03
	PAVIMENTAÇÃO	N	-250.725	-250.725	-250.725
		Vy	-0.026	-0.026	-0.026
		Vz	-146.159	-146.159	-146.159
		Mt	0.00	0.00	0.00
		My	-17.08	1.19	19.46
		Mz	0.01	0.01	0.01
	RECAPEAMENTO	N	-113.966	-113.966	-113.966

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	-0.012	-0.012	-0.012
		Vz	-66.436	-66.436	-66.436
		Mt	0.00	0.00	0.00
		My	-7.77	0.54	8.84
		Mz	0.00	0.01	0.01
	GUARDA-RODAS	N	-61.862	-61.862	-61.862
		Vy	-0.005	-0.005	-0.005
		Vz	-36.071	-36.071	-36.071
		Mt	0.00	0.00	0.00
		My	-4.22	0.29	4.80
		Mz	0.00	0.00	0.00
	Vento 0	N	-5.403	-5.403	-5.403
		Vy	-1.211	-1.211	-1.211
		Vz	4.257	4.257	4.257
		Mt	0.04	0.04	0.04
		My	0.94	0.41	-0.13
		Mz	-2.34	-2.19	-2.04
	Vento 180	N	1.887	1.887	1.887
		Vy	5.053	5.165	5.278
		Vz	-2.039	-2.039	-2.039
		Mt	-0.01	-0.01	-0.01
		My	-0.33	-0.08	0.18
		Mz	2.08	1.44	0.79
	Multidão - Passeio	N	-80.286	-80.286	-80.286
		Vy	-0.006	-0.006	-0.006
		Vz	-46.827	-46.827	-46.827
		Mt	0.00	0.00	0.00
		My	-5.48	0.37	6.23
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	-261.925	-261.925	-261.925
		Vy	-0.030	-0.030	-0.030
		Vz	-152.657	-152.657	-152.657
		Mt	0.00	0.00	0.00
		My	-17.84	1.25	20.33
		Mz	0.01	0.01	0.02
	TB-450 - A1	N	-30.089	-30.089	-30.089
		Vy	-0.019	-0.019	-0.019
		Vz	7.693	7.693	7.693
		Mt	0.00	0.00	0.00
		My	5.99	5.03	4.07
		Mz	0.03	0.03	0.03
	TB-450 - A2	N	-71.394	-71.394	-71.394
		Vy	-0.010	-0.010	-0.010
		Vz	18.189	18.189	18.189
		Mt	0.00	0.00	0.00
		My	14.18	11.90	9.63
		Mz	-0.03	-0.03	-0.03
	TB-450 - B1	N	-71.176	-71.176	-71.176
		Vy	-0.027	-0.027	-0.027

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-41.029	-41.029	-41.029
		Mt	0.00	0.00	0.00
		My	0.65	5.78	10.91
		Mz	0.07	0.07	0.07
	TB-450 - B2	N	-169.106	-169.106	-169.106
		Vy	0.001	0.001	0.001
		Vz	-97.261	-97.261	-97.261
		Mt	0.00	0.00	0.00
		My	1.47	13.63	25.79
		Mz	-0.06	-0.06	-0.06
	TB-450 - C1	N	-59.537	-59.537	-59.537
		Vy	-0.023	-0.023	-0.023
		Vz	-48.876	-48.876	-48.876
		Mt	0.00	0.00	0.00
		My	-11.16	-5.06	1.05
		Mz	0.05	0.06	0.06
	TB-450 - C2	N	-141.588	-141.588	-141.588
		Vy	0.010	0.010	0.010
		Vz	-115.923	-115.923	-115.923
		Mt	0.00	0.00	0.00
		My	-26.51	-12.02	2.47
		Mz	-0.05	-0.05	-0.05
	TB-450 - D1	N	-36.035	-36.035	-36.035
		Vy	-0.013	-0.013	-0.013
		Vz	-29.701	-29.701	-29.701
		Mt	0.00	0.00	0.00
		My	-7.22	-3.51	0.21
		Mz	0.03	0.04	0.04
	TB-450 - D2	N	-85.729	-85.729	-85.729
		Vy	0.005	0.005	0.005
		Vz	-70.455	-70.455	-70.455
		Mt	0.00	0.00	0.00
		My	-17.14	-8.33	0.47
		Mz	-0.03	-0.03	-0.03
	TB-450 - E1	N	-12.346	-12.346	-12.346
		Vy	-0.004	-0.004	-0.004
		Vz	-10.223	-10.223	-10.223
		Mt	0.00	0.00	0.00
		My	-2.49	-1.21	0.07
		Mz	0.01	0.01	0.01
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N120/N170	Peso próprio	N	-206.167	-206.134	-206.102
		Vy	-0.044	-0.044	-0.044
		Vz	-122.749	-122.519	-122.288
		Mt	0.00	0.00	0.00
		My	13.84	29.17	44.47
		Mz	-0.02	-0.01	-0.01
	LAJE	N	-458.551	-458.551	-458.551
		Vy	0.028	0.028	0.028
		Vz	-267.857	-267.857	-267.857
		Mt	0.00	0.00	0.00
		My	35.65	69.14	102.62
		Mz	0.03	0.02	0.02
	PAVIMENTAÇÃO	N	-250.218	-250.218	-250.218
		Vy	0.015	0.015	0.015
		Vz	-146.159	-146.159	-146.159
		Mt	0.00	0.00	0.00
		My	19.46	37.73	56.00
		Mz	0.01	0.01	0.01
	RECAPEAMENTO	N	-113.735	-113.735	-113.735
		Vy	0.007	0.007	0.007
		Vz	-66.436	-66.436	-66.436
		Mt	0.00	0.00	0.00
		My	8.84	17.15	25.45
		Mz	0.01	0.01	0.00
	GUARDA-RODAS	N	-61.737	-61.737	-61.737
		Vy	0.004	0.004	0.004
		Vz	-36.071	-36.071	-36.071
		Mt	0.00	0.00	0.00
		My	4.80	9.31	13.82
		Mz	0.00	0.00	0.00
	Vento 0	N	-8.786	-8.786	-8.786
		Vy	-0.244	-0.244	-0.244
		Vz	4.257	4.257	4.257
		Mt	0.04	0.04	0.04
		My	-0.13	-0.66	-1.19
		Mz	-2.04	-2.01	-1.98
	Vento 180	N	6.059	6.059	6.059
		Vy	-3.752	-3.639	-3.527
		Vz	-2.039	-2.039	-2.039
		Mt	-0.01	-0.01	-0.01
		My	0.18	0.43	0.69
		Mz	0.79	1.25	1.70
	Multidão - Passeio	N	-80.123	-80.123	-80.123
		Vy	0.005	0.005	0.005
		Vz	-46.827	-46.827	-46.827
		Mt	0.00	0.00	0.00
		My	6.23	12.08	17.93
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	-261.395	-261.395	-261.395

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	0.016	0.016	0.016
		Vz	-152.657	-152.657	-152.657
		Mt	0.00	0.00	0.00
		My	20.33	39.41	58.49
		Mz	0.02	0.01	0.01
	TB-450 - A1	N	-30.031	-30.031	-30.031
		Vy	0.006	0.006	0.006
		Vz	7.693	7.693	7.693
		Mt	0.00	0.00	0.00
		My	4.07	3.11	2.15
		Mz	0.03	0.03	0.03
	TB-450 - A2	N	-71.280	-71.280	-71.280
		Vy	0.004	0.004	0.004
		Vz	18.189	18.189	18.189
		Mt	0.00	0.00	0.00
		My	9.63	7.36	5.08
		Mz	-0.03	-0.03	-0.03
	TB-450 - B1	N	-71.010	-71.010	-71.010
		Vy	0.006	0.006	0.006
		Vz	-41.029	-41.029	-41.029
		Mt	0.00	0.00	0.00
		My	10.91	16.03	21.16
		Mz	0.07	0.07	0.07
	TB-450 - B2	N	-168.798	-168.798	-168.798
		Vy	0.012	0.012	0.012
		Vz	-97.261	-97.261	-97.261
		Mt	0.00	0.00	0.00
		My	25.79	37.95	50.11
		Mz	-0.06	-0.06	-0.06
	TB-450 - C1	N	-59.370	-59.370	-59.370
		Vy	-0.003	-0.003	-0.003
		Vz	-48.876	-48.876	-48.876
		Mt	0.00	0.00	0.00
		My	1.05	7.16	13.27
		Mz	0.06	0.06	0.06
	TB-450 - C2	N	-141.315	-141.315	-141.315
		Vy	0.008	0.008	0.008
		Vz	-115.923	-115.923	-115.923
		Mt	0.00	0.00	0.00
		My	2.47	16.96	31.45
		Mz	-0.05	-0.05	-0.05
	TB-450 - D1	N	-35.910	-35.910	-35.910
		Vy	-0.002	-0.002	-0.002
		Vz	-29.701	-29.701	-29.701
		Mt	0.00	0.00	0.00
		My	0.21	3.92	7.63
		Mz	0.04	0.04	0.04
	TB-450 - D2	N	-85.545	-85.545	-85.545
		Vy	0.006	0.006	0.006

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-70.455	-70.455	-70.455
		Mt	0.00	0.00	0.00
		My	0.47	9.28	18.09
		Mz	-0.03	-0.03	-0.03
	TB-450 - E1	N	-12.296	-12.296	-12.296
		Vy	0.002	0.002	0.002
		Vz	-10.223	-10.223	-10.223
		Mt	0.00	0.00	0.00
		My	0.07	1.34	2.62
		Mz	0.01	0.01	0.01
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações								
Barra	Hipótese	Esforço	Posições na barra					
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N170/N125	Peso próprio	N	-212.372	-212.326	-212.279	-212.232	-212.185	-212.139	-212.092
		Vy	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047
		Vz	0.918	1.245	1.572	1.898	2.225	2.552	2.879
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	22.17	21.98	21.73	21.42	21.06	20.63	20.15
		Mz	-0.01	0.00	0.01	0.02	0.03	0.03	0.04
	LAJE	N	-472.813	-472.813	-472.813	-472.813	-472.813	-472.813	-472.813
		Vy	0.028	0.028	0.028	0.028	0.028	0.028	0.028
		Vz	5.833	5.833	5.833	5.833	5.833	5.833	5.833
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	54.07	53.04	52.00	50.97	49.93	48.90	47.87
		Mz	0.02	0.01	0.01	0.00	0.00	-0.01	-0.01
	PAVIMENTAÇÃO	N	-258.000	-258.000	-258.000	-258.000	-258.000	-258.000	-258.000
		Vy	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vz	3.183	3.183	3.183	3.183	3.183	3.183	3.183
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	29.50	28.94	28.38	27.81	27.25	26.68	26.12
		Mz	0.01	0.01	0.01	0.00	0.00	0.00	-0.01
	RECAPEAMENTO	N	-117.273	-117.273	-117.273	-117.273	-117.273	-117.273	-117.273
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	1.447	1.447	1.447	1.447	1.447	1.447	1.447
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.41	13.15	12.90	12.64	12.39	12.13	11.87
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-63.657	-63.657	-63.657	-63.657	-63.657	-63.657	-63.657
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	0.785	0.785	0.785	0.785	0.785	0.785	0.785
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.28	7.14	7.00	6.86	6.72	6.58	6.44
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
	Vento 0	N	-8.500	-8.500	-8.500	-8.500	-8.500	-8.500	-8.500
		Vy	-0.206	-0.206	-0.206	-0.206	-0.206	-0.206	-0.206
		Vz	0.040	0.040	0.040	0.040	0.040	0.040	0.040
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-0.27	-0.27	-0.28	-0.29	-0.30	-0.30	-0.31
		Mz	-1.99	-1.96	-1.92	-1.88	-1.85	-1.81	-1.77
	Vento 180	N	5.912	5.912	5.912	5.912	5.912	5.912	5.912
		Vy	-0.763	-0.604	-0.444	-0.285	-0.125	0.034	0.194
		Vz	-0.134	-0.134	-0.134	-0.134	-0.134	-0.134	-0.134
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	0.22	0.24	0.27	0.29	0.32	0.34	0.36
		Mz	1.71	1.84	1.93	1.99	2.03	2.04	2.02
	Multidão - Passeio	N	-82.616	-82.616	-82.616	-82.616	-82.616	-82.616	-82.616
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	1.019	1.019	1.019	1.019	1.019	1.019	1.019
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.45	9.27	9.09	8.91	8.73	8.54	8.36
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-269.524	-269.524	-269.524	-269.524	-269.524	-269.524	-269.524
		Vy	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vz	3.325	3.325	3.325	3.325	3.325	3.325	3.325
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	30.82	30.23	29.64	29.05	28.46	27.88	27.29
		Mz	0.01	0.01	0.01	0.00	0.00	0.00	-0.01
	TB-450 - A1	N	-29.611	-29.611	-29.611	-29.611	-29.611	-29.611	-29.611
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	0.684	0.684	0.684	0.684	0.684	0.684	0.684
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.41	3.29	3.17	3.05	2.93	2.80	2.68
		Mz	0.03	0.03	0.03	0.03	0.03	0.03	0.03
	TB-450 - A2	N	-70.288	-70.288	-70.288	-70.288	-70.288	-70.288	-70.288
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	1.618	1.618	1.618	1.618	1.618	1.618	1.618
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.07	7.78	7.49	7.21	6.92	6.63	6.35
		Mz	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
	TB-450 - B1	N	-72.604	-72.604	-72.604	-72.604	-72.604	-72.604	-72.604
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	0.465	0.465	0.465	0.465	0.465	0.465	0.465
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	15.29	15.20	15.12	15.04	14.96	14.87	14.79
		Mz	0.07	0.07	0.07	0.07	0.07	0.07	0.07
	TB-450 - B2	N	-172.577	-172.577	-172.577	-172.577	-172.577	-172.577	-172.577
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	1.116	1.116	1.116	1.116	1.116	1.116	1.116
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	36.18	35.98	35.78	35.59	35.39	35.19	34.99
		Mz	-0.06	-0.06	-0.07	-0.07	-0.07	-0.07	-0.07
	TB-450 - C1	N	-62.263	-62.263	-62.263	-62.263	-62.263	-62.263	-62.263
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	0.142	0.142	0.142	0.142	0.142	0.142	0.142
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		My	3.75	3.72	3.70	3.67	3.64	3.62	3.59
		Mz	0.06	0.06	0.06	0.06	0.06	0.06	0.06
	TB-450 - C2	N	-148.172	-148.172	-148.172	-148.172	-148.172	-148.172	-148.172
		Vy	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Vz	0.355	0.355	0.355	0.355	0.355	0.355	0.355
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.86	8.80	8.74	8.67	8.61	8.55	8.49
		Mz	-0.05	-0.05	-0.06	-0.06	-0.06	-0.06	-0.06
	TB-450 - D1	N	-37.725	-37.725	-37.725	-37.725	-37.725	-37.725	-37.725
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	1.003	1.003	1.003	1.003	1.003	1.003	1.003
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.67	1.50	1.32	1.14	0.96	0.78	0.61
		Mz	0.04	0.04	0.04	0.04	0.04	0.04	0.04
	TB-450 - D2	N	-89.849	-89.849	-89.849	-89.849	-89.849	-89.849	-89.849
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	2.386	2.386	2.386	2.386	2.386	2.386	2.386
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.96	3.54	3.12	2.70	2.27	1.85	1.43
		Mz	-0.03	-0.03	-0.03	-0.04	-0.04	-0.04	-0.04
	TB-450 - E1	N	-12.919	-12.919	-12.919	-12.919	-12.919	-12.919	-12.919
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.356	0.356	0.356	0.356	0.356	0.356	0.356
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.58	0.51	0.45	0.39	0.32	0.26	0.20
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N125/N169	Peso próprio	N	-212.092	-212.045	-211.998	-211.952	-211.905	-211.858	-211.811
		Vy	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047
		Vz	2.879	3.206	3.532	3.859	4.186	4.513	4.840
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	20.15	19.61	19.02	18.36	17.65	16.88	16.05
		Mz	0.04	0.05	0.06	0.07	0.08	0.08	0.09
	LAJE	N	-472.813	-472.813	-472.813	-472.813	-472.813	-472.813	-472.813
		Vy	0.028	0.028	0.028	0.028	0.028	0.028	0.028
		Vz	5.833	5.833	5.833	5.833	5.833	5.833	5.833
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	47.87	46.83	45.80	44.77	43.73	42.70	41.67
		Mz	-0.01	-0.02	-0.02	-0.02	-0.03	-0.03	-0.04
	PAVIMENTAÇÃO	N	-258.000	-258.000	-258.000	-258.000	-258.000	-258.000	-258.000
		Vy	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vz	3.183	3.183	3.183	3.183	3.183	3.183	3.183

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	26.12	25.56	24.99	24.43	23.86	23.30	22.74
		Mz	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02
	RECAPEAMENTO	N	-117.273	-117.273	-117.273	-117.273	-117.273	-117.273	-117.273
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	1.447	1.447	1.447	1.447	1.447	1.447	1.447
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.87	11.62	11.36	11.10	10.85	10.59	10.33
		Mz	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01
	GUARDA-RODAS	N	-63.657	-63.657	-63.657	-63.657	-63.657	-63.657	-63.657
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	0.785	0.785	0.785	0.785	0.785	0.785	0.785
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.44	6.31	6.17	6.03	5.89	5.75	5.61
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
	Vento 0	N	-8.500	-8.500	-8.500	-8.500	-8.500	-8.500	-8.500
		Vy	-0.206	-0.206	-0.206	-0.206	-0.206	-0.206	-0.206
		Vz	0.040	0.040	0.040	0.040	0.040	0.040	0.040
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-0.31	-0.32	-0.32	-0.33	-0.34	-0.35	-0.35
		Mz	-1.77	-1.74	-1.70	-1.67	-1.63	-1.59	-1.56
	Vento 180	N	5.912	5.912	5.912	5.912	5.912	5.912	5.912
		Vy	0.194	0.353	0.513	0.672	0.832	0.991	1.151
		Vz	-0.134	-0.134	-0.134	-0.134	-0.134	-0.134	-0.134
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	0.36	0.39	0.41	0.43	0.46	0.48	0.51
		Mz	2.02	1.97	1.89	1.79	1.65	1.49	1.30
	Multidão - Passeio	N	-82.616	-82.616	-82.616	-82.616	-82.616	-82.616	-82.616
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	1.019	1.019	1.019	1.019	1.019	1.019	1.019
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.36	8.18	8.00	7.82	7.64	7.46	7.28
		Mz	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01
	Multidão - TB450	N	-269.524	-269.524	-269.524	-269.524	-269.524	-269.524	-269.524
		Vy	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vz	3.325	3.325	3.325	3.325	3.325	3.325	3.325
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	27.29	26.70	26.11	25.52	24.93	24.34	23.75
		Mz	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02
	TB-450 - A1	N	-29.611	-29.611	-29.611	-29.611	-29.611	-29.611	-29.611
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	0.684	0.684	0.684	0.684	0.684	0.684	0.684
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.68	2.56	2.44	2.32	2.20	2.08	1.96
		Mz	0.03	0.03	0.03	0.03	0.02	0.02	0.02
	TB-450 - A2	N	-70.288	-70.288	-70.288	-70.288	-70.288	-70.288	-70.288
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	1.618	1.618	1.618	1.618	1.618	1.618	1.618
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.35	6.06	5.77	5.49	5.20	4.91	4.63
		Mz	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
	TB-450 - B1	N	-72.604	-72.604	-72.604	-72.604	-72.604	-72.604	-72.604

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	0.465	0.465	0.465	0.465	0.465	0.465	0.465
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.79	14.71	14.63	14.55	14.46	14.38	14.30
		Mz	0.07	0.07	0.06	0.06	0.06	0.06	0.06
	TB-450 - B2	N	-172.577	-172.577	-172.577	-172.577	-172.577	-172.577	-172.577
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	1.116	1.116	1.116	1.116	1.116	1.116	1.116
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	34.99	34.79	34.60	34.40	34.20	34.00	33.80
		Mz	-0.07	-0.07	-0.07	-0.07	-0.08	-0.08	-0.08
	TB-450 - C1	N	-62.263	-62.263	-62.263	-62.263	-62.263	-62.263	-62.263
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	0.142	0.142	0.142	0.142	0.142	0.142	0.142
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.59	3.57	3.54	3.52	3.49	3.47	3.44
		Mz	0.06	0.06	0.06	0.06	0.06	0.06	0.06
	TB-450 - C2	N	-148.172	-148.172	-148.172	-148.172	-148.172	-148.172	-148.172
		Vy	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Vz	0.355	0.355	0.355	0.355	0.355	0.355	0.355
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.49	8.42	8.36	8.30	8.23	8.17	8.11
		Mz	-0.06	-0.07	-0.07	-0.07	-0.07	-0.07	-0.08
	TB-450 - D1	N	-37.725	-37.725	-37.725	-37.725	-37.725	-37.725	-37.725
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	1.003	1.003	1.003	1.003	1.003	1.003	1.003
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.61	0.43	0.25	0.07	-0.10	-0.28	-0.46
		Mz	0.04	0.04	0.04	0.04	0.03	0.03	0.03
	TB-450 - D2	N	-89.849	-89.849	-89.849	-89.849	-89.849	-89.849	-89.849
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	2.386	2.386	2.386	2.386	2.386	2.386	2.386
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.43	1.00	0.58	0.16	-0.26	-0.69	-1.11
		Mz	-0.04	-0.04	-0.04	-0.04	-0.05	-0.05	-0.05
	TB-450 - E1	N	-12.919	-12.919	-12.919	-12.919	-12.919	-12.919	-12.919
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.356	0.356	0.356	0.356	0.356	0.356	0.356
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.20	0.13	0.07	0.01	-0.05	-0.12	-0.18
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N169/N122	Peso próprio	N	-242.265	-242.232	-242.199
		Vy	-0.049	-0.049	-0.049
		Vz	-81.817	-81.587	-81.356
		Mt	0.00	0.00	0.00
		My	-0.73	9.49	19.67
		Mz	0.09	0.10	0.10
	LAJE	N	-531.208	-531.208	-531.208
		Vy	0.028	0.028	0.028
		Vz	-161.074	-161.074	-161.074
		Mt	0.00	0.00	0.00
		My	8.57	28.70	48.84
		Mz	-0.04	-0.04	-0.05
	PAVIMENTAÇÃO	N	-289.865	-289.865	-289.865
		Vy	0.015	0.015	0.015
		Vz	-87.894	-87.894	-87.894
		Mt	0.00	0.00	0.00
		My	4.67	15.66	26.65
		Mz	-0.02	-0.02	-0.03
	RECAPEAMENTO	N	-131.757	-131.757	-131.757
		Vy	0.007	0.007	0.007
		Vz	-39.952	-39.952	-39.952
		Mt	0.00	0.00	0.00
		My	2.12	7.12	12.11
		Mz	-0.01	-0.01	-0.01
	GUARDA-RODAS	N	-71.519	-71.519	-71.519
		Vy	0.004	0.004	0.004
		Vz	-21.685	-21.685	-21.685
		Mt	0.00	0.00	0.00
		My	1.15	3.86	6.57
		Mz	-0.01	-0.01	-0.01
	Vento 0	N	-6.941	-6.941	-6.941
		Vy	-0.189	-0.189	-0.189
		Vz	4.653	4.653	4.653
		Mt	0.13	0.13	0.13
		My	0.42	-0.16	-0.74
		Mz	-1.61	-1.59	-1.57
	Vento 180	N	5.182	5.182	5.182
		Vy	4.028	4.140	4.253
		Vz	-2.306	-2.306	-2.306
		Mt	-0.07	-0.07	-0.07
		My	0.17	0.46	0.75
		Mz	1.33	0.82	0.29
	Multidão - Passeio	N	-92.819	-92.819	-92.819
		Vy	0.005	0.005	0.005
		Vz	-28.141	-28.141	-28.141
		Mt	0.00	0.00	0.00
		My	1.50	5.01	8.53
		Mz	-0.01	-0.01	-0.01
	Multidão - TB450	N	-302.813	-302.813	-302.813

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	0.016	0.016	0.016
		Vz	-91.825	-91.825	-91.825
		Mt	0.00	0.00	0.00
		My	4.88	16.36	27.84
		Mz	-0.02	-0.02	-0.03
	TB-450 - A1	N	-26.338	-26.338	-26.338
		Vy	0.002	0.002	0.002
		Vz	10.273	10.273	10.273
		Mt	0.00	0.00	0.00
		My	3.77	2.49	1.21
		Mz	0.02	0.02	0.02
	TB-450 - A2	N	-62.562	-62.562	-62.562
		Vy	-0.001	-0.001	-0.001
		Vz	24.254	24.254	24.254
		Mt	0.00	0.00	0.00
		My	8.92	5.89	2.86
		Mz	-0.03	-0.03	-0.03
	TB-450 - B1	N	-72.588	-72.588	-72.588
		Vy	0.003	0.003	0.003
		Vz	2.595	2.595	2.595
		Mt	0.00	0.00	0.00
		My	13.02	12.70	12.37
		Mz	0.06	0.06	0.06
	TB-450 - B2	N	-172.574	-172.574	-172.574
		Vy	0.003	0.003	0.003
		Vz	6.058	6.058	6.058
		Mt	-0.01	-0.01	-0.01
		My	30.76	30.00	29.24
		Mz	-0.08	-0.08	-0.08
	TB-450 - C1	N	-78.015	-78.015	-78.015
		Vy	0.006	0.006	0.006
		Vz	-46.123	-46.123	-46.123
		Mt	0.00	0.00	0.00
		My	-4.70	1.07	6.83
		Mz	0.05	0.05	0.05
	TB-450 - C2	N	-185.507	-185.507	-185.507
		Vy	0.015	0.015	0.015
		Vz	-109.292	-109.292	-109.292
		Mt	0.00	0.00	0.00
		My	-11.20	2.46	16.12
		Mz	-0.07	-0.08	-0.08
	TB-450 - D1	N	-48.272	-48.272	-48.272
		Vy	0.004	0.004	0.004
		Vz	-29.949	-29.949	-29.949
		Mt	0.00	0.00	0.00
		My	-6.03	-2.29	1.46
		Mz	0.03	0.03	0.03
	TB-450 - D2	N	-114.841	-114.841	-114.841
		Vy	0.010	0.010	0.010

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-70.957	-70.957	-70.957
		Mt	0.00	0.00	0.00
		My	-14.31	-5.44	3.43
		Mz	-0.05	-0.05	-0.05
	TB-450 - E1	N	-16.533	-16.533	-16.533
		Vy	-0.001	-0.001	-0.001
		Vz	-10.246	-10.246	-10.246
		Mt	0.00	0.00	0.00
		My	-2.10	-0.81	0.47
		Mz	0.01	0.01	0.01
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N122/N168	Peso próprio	N	-240.307	-240.274	-240.241
		Vy	0.073	0.073	0.073
		Vz	-79.663	-79.432	-79.202
		Mt	0.00	0.00	0.00
		My	19.67	29.61	39.53
		Mz	0.10	0.10	0.09
	LAJE	N	-530.958	-530.958	-530.958
		Vy	-0.022	-0.022	-0.022
		Vz	-161.074	-161.074	-161.074
		Mt	0.00	0.00	0.00
		My	48.84	68.97	89.10
		Mz	-0.05	-0.04	-0.04
	PAVIMENTAÇÃO	N	-289.728	-289.728	-289.728
		Vy	-0.012	-0.012	-0.012
		Vz	-87.894	-87.894	-87.894
		Mt	0.00	0.00	0.00
		My	26.65	37.64	48.62
		Mz	-0.03	-0.02	-0.02
	RECAPEAMENTO	N	-131.695	-131.695	-131.695
		Vy	-0.006	-0.006	-0.006
		Vz	-39.952	-39.952	-39.952
		Mt	0.00	0.00	0.00
		My	12.11	17.11	22.10
		Mz	-0.01	-0.01	-0.01
	GUARDA-RODAS	N	-71.485	-71.485	-71.485
		Vy	-0.003	-0.003	-0.003
		Vz	-21.685	-21.685	-21.685
		Mt	0.00	0.00	0.00
		My	6.57	9.28	12.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mz	-0.01	-0.01	-0.01
	Vento 0	N	-10.842	-10.842	-10.842
		Vy	-5.625	-5.625	-5.625
		Vz	4.653	4.653	4.653
		Mt	0.13	0.13	0.13
		My	-0.74	-1.32	-1.90
		Mz	-1.57	-0.86	-0.16
	Vento 180	N	7.092	7.092	7.092
		Vy	-0.010	0.102	0.215
		Vz	-2.306	-2.306	-2.306
		Mt	-0.07	-0.07	-0.07
		My	0.75	1.04	1.32
		Mz	0.29	0.28	0.26
	Multidão - Passeio	N	-92.775	-92.775	-92.775
		Vy	-0.004	-0.004	-0.004
		Vz	-28.141	-28.141	-28.141
		Mt	0.00	0.00	0.00
		My	8.53	12.05	15.57
		Mz	-0.01	-0.01	-0.01
	Multidão - TB450	N	-302.671	-302.671	-302.671
		Vy	-0.013	-0.013	-0.013
		Vz	-91.825	-91.825	-91.825
		Mt	0.00	0.00	0.00
		My	27.84	39.32	50.80
		Mz	-0.03	-0.02	-0.02
	TB-450 - A1	N	-26.392	-26.392	-26.392
		Vy	0.026	0.026	0.026
		Vz	10.273	10.273	10.273
		Mt	0.00	0.00	0.00
		My	1.21	-0.08	-1.36
		Mz	0.02	0.02	0.02
	TB-450 - A2	N	-62.569	-62.569	-62.569
		Vy	-0.029	-0.029	-0.029
		Vz	24.254	24.254	24.254
		Mt	0.00	0.00	0.00
		My	2.86	-0.18	-3.21
		Mz	-0.03	-0.02	-0.02
	TB-450 - B1	N	-72.687	-72.687	-72.687
		Vy	0.060	0.060	0.060
		Vz	2.595	2.595	2.595
		Mt	0.00	0.00	0.00
		My	12.37	12.05	11.72
		Mz	0.06	0.05	0.04
	TB-450 - B2	N	-172.562	-172.562	-172.562
		Vy	-0.069	-0.069	-0.069
		Vz	6.058	6.058	6.058
		Mt	-0.01	-0.01	-0.01
		My	29.24	28.49	27.73
		Mz	-0.08	-0.07	-0.06

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
	TB-450 - C1	N	-77.987	-77.987	-77.987
		Vy	0.080	0.080	0.080
		Vz	-46.123	-46.123	-46.123
		Mt	0.00	0.00	0.00
		My	6.83	12.60	18.36
		Mz	0.05	0.04	0.03
	TB-450 - C2	N	-185.377	-185.377	-185.377
		Vy	-0.091	-0.091	-0.091
		Vz	-109.292	-109.292	-109.292
		Mt	0.00	0.00	0.00
		My	16.12	29.78	43.44
		Mz	-0.08	-0.07	-0.05
	TB-450 - D1	N	-48.219	-48.219	-48.219
		Vy	0.047	0.047	0.047
		Vz	-29.949	-29.949	-29.949
		Mt	0.00	0.00	0.00
		My	1.46	5.20	8.95
		Mz	0.03	0.03	0.02
	TB-450 - D2	N	-114.733	-114.733	-114.733
		Vy	-0.054	-0.054	-0.054
		Vz	-70.957	-70.957	-70.957
		Mt	0.00	0.00	0.00
		My	3.43	12.30	21.16
		Mz	-0.05	-0.04	-0.04
	TB-450 - E1	N	-16.505	-16.505	-16.505
		Vy	0.014	0.014	0.014
		Vz	-10.246	-10.246	-10.246
		Mt	0.00	0.00	0.00
		My	0.47	1.75	3.03
		Mz	0.01	0.01	0.01
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações								
Barra	Hipótese	Esforço	Posições na barra					
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N168/N126	Peso próprio	N	-243.774	-243.727	-243.681	-243.634	-243.587	-243.540	-243.494
		Vy	0.073	0.073	0.073	0.073	0.073	0.073	0.073
		Vz	3.748	4.075	4.402	4.729	5.056	5.382	5.709
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	26.08	25.39	24.64	23.83	22.96	22.04	21.05
		Mz	0.09	0.07	0.06	0.05	0.04	0.02	0.01
	LAJE	N	-538.421	-538.421	-538.421	-538.421	-538.421	-538.421	-538.421
		Vy	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022
		Vz	10.789	10.789	10.789	10.789	10.789	10.789	10.789

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	62.57	60.66	58.74	56.83	54.92	53.01	51.10
		Mz	-0.04	-0.04	-0.03	-0.03	-0.03	-0.02	-0.02
	PAVIMENTAÇÃO	N	-293.801	-293.801	-293.801	-293.801	-293.801	-293.801	-293.801
		Vy	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Vz	5.887	5.887	5.887	5.887	5.887	5.887	5.887
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	34.14	33.10	32.06	31.01	29.97	28.93	27.88
		Mz	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01
	RECAPEAMENTO	N	-133.546	-133.546	-133.546	-133.546	-133.546	-133.546	-133.546
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	2.676	2.676	2.676	2.676	2.676	2.676	2.676
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	15.52	15.04	14.57	14.10	13.62	13.15	12.67
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00
	GUARDA-RODAS	N	-72.490	-72.490	-72.490	-72.490	-72.490	-72.490	-72.490
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	1.453	1.453	1.453	1.453	1.453	1.453	1.453
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.42	8.17	7.91	7.65	7.39	7.14	6.88
		Mz	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-10.611	-10.611	-10.611	-10.611	-10.611	-10.611	-10.611
		Vy	-5.637	-5.637	-5.637	-5.637	-5.637	-5.637	-5.637
		Vz	0.066	0.066	0.066	0.066	0.066	0.066	0.066
		Mt	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		My	-1.11	-1.12	-1.13	-1.15	-1.16	-1.17	-1.18
		Mz	-0.19	0.81	1.81	2.81	3.81	4.80	5.80
	Vento 180	N	7.007	7.007	7.007	7.007	7.007	7.007	7.007
		Vy	3.010	3.169	3.329	3.488	3.648	3.807	3.967
		Vz	-0.157	-0.157	-0.157	-0.157	-0.157	-0.157	-0.157
		Mt	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		My	1.01	1.03	1.06	1.09	1.12	1.15	1.17
		Mz	0.29	-0.26	-0.83	-1.44	-2.07	-2.73	-3.42
	Multidão - Passeio	N	-94.079	-94.079	-94.079	-94.079	-94.079	-94.079	-94.079
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	1.887	1.887	1.887	1.887	1.887	1.887	1.887
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	10.93	10.60	10.26	9.93	9.59	9.26	8.92
		Mz	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
	Multidão - TB450	N	-306.926	-306.926	-306.926	-306.926	-306.926	-306.926	-306.926
		Vy	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Vz	6.148	6.148	6.148	6.148	6.148	6.148	6.148
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	35.67	34.58	33.49	32.40	31.31	30.22	29.13
		Mz	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01
	TB-450 - A1	N	-25.744	-25.744	-25.744	-25.744	-25.744	-25.744	-25.744
		Vy	0.025	0.025	0.025	0.025	0.025	0.025	0.025
		Vz	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.74	0.76	0.77	0.79	0.81	0.82	0.84
		Mz	0.01	0.01	0.01	0.00	0.00	-0.01	-0.01
	TB-450 - A2	N	-61.039	-61.039	-61.039	-61.039	-61.039	-61.039	-61.039

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Vy	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028
		Vz	-0.209	-0.209	-0.209	-0.209	-0.209	-0.209	-0.209
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.76	1.80	1.84	1.87	1.91	1.95	1.98
		Mz	-0.02	-0.02	-0.01	-0.01	0.00	0.01	0.01
	TB-450 - B1	N	-72.107	-72.107	-72.107	-72.107	-72.107	-72.107	-72.107
		Vy	0.063	0.063	0.063	0.063	0.063	0.063	0.063
		Vz	2.342	2.342	2.342	2.342	2.342	2.342	2.342
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.08	12.67	12.25	11.84	11.42	11.01	10.59
		Mz	0.04	0.03	0.02	0.01	0.00	-0.01	-0.03
	TB-450 - B2	N	-171.195	-171.195	-171.195	-171.195	-171.195	-171.195	-171.195
		Vy	-0.072	-0.072	-0.072	-0.072	-0.072	-0.072	-0.072
		Vz	5.558	5.558	5.558	5.558	5.558	5.558	5.558
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	30.93	29.94	28.96	27.97	26.99	26.00	25.02
		Mz	-0.06	-0.05	-0.03	-0.02	-0.01	0.01	0.02
	TB-450 - C1	N	-80.193	-80.193	-80.193	-80.193	-80.193	-80.193	-80.193
		Vy	0.083	0.083	0.083	0.083	0.083	0.083	0.083
		Vz	0.186	0.186	0.186	0.186	0.186	0.186	0.186
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	10.79	10.75	10.72	10.69	10.66	10.62	10.59
		Mz	0.03	0.02	0.00	-0.01	-0.03	-0.04	-0.06
	TB-450 - C2	N	-190.606	-190.606	-190.606	-190.606	-190.606	-190.606	-190.606
		Vy	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094
		Vz	0.459	0.459	0.459	0.459	0.459	0.459	0.459
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.49	25.41	25.33	25.24	25.16	25.08	25.00
		Mz	-0.05	-0.04	-0.02	0.00	0.01	0.03	0.05
	TB-450 - D1	N	-50.021	-50.021	-50.021	-50.021	-50.021	-50.021	-50.021
		Vy	0.048	0.048	0.048	0.048	0.048	0.048	0.048
		Vz	1.782	1.782	1.782	1.782	1.782	1.782	1.782
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.00	2.69	2.37	2.06	1.74	1.43	1.11
		Mz	0.02	0.01	0.00	-0.01	-0.01	-0.02	-0.03
	TB-450 - D2	N	-119.004	-119.004	-119.004	-119.004	-119.004	-119.004	-119.004
		Vy	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055
		Vz	4.233	4.233	4.233	4.233	4.233	4.233	4.233
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.09	6.34	5.59	4.84	4.09	3.34	2.59
		Mz	-0.04	-0.03	-0.02	-0.01	0.00	0.01	0.02
	TB-450 - E1	N	-17.126	-17.126	-17.126	-17.126	-17.126	-17.126	-17.126
		Vy	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vz	0.690	0.690	0.690	0.690	0.690	0.690	0.690
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.98	0.86	0.74	0.62	0.49	0.37	0.25
		Mz	0.01	0.00	0.00	0.00	0.00	-0.01	-0.01
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N126/N167	Peso próprio	N	-243.494	-243.447	-243.400	-243.353	-243.307	-243.260	-243.213
		Vy	0.073	0.073	0.073	0.073	0.073	0.073	0.073
		Vz	5.709	6.036	6.363	6.690	7.016	7.343	7.670
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	21.05	20.01	18.91	17.76	16.54	15.27	13.94
		Mz	0.01	0.00	-0.02	-0.03	-0.04	-0.05	-0.07
	LAJE	N	-538.421	-538.421	-538.421	-538.421	-538.421	-538.421	-538.421
		Vy	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022
		Vz	10.789	10.789	10.789	10.789	10.789	10.789	10.789
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	51.10	49.19	47.27	45.36	43.45	41.54	39.63
		Mz	-0.02	-0.01	-0.01	-0.01	0.00	0.00	0.01
	PAVIMENTAÇÃO	N	-293.801	-293.801	-293.801	-293.801	-293.801	-293.801	-293.801
		Vy	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Vz	5.887	5.887	5.887	5.887	5.887	5.887	5.887
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	27.88	26.84	25.80	24.75	23.71	22.67	21.62
		Mz	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-133.546	-133.546	-133.546	-133.546	-133.546	-133.546	-133.546
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	2.676	2.676	2.676	2.676	2.676	2.676	2.676
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	12.67	12.20	11.73	11.25	10.78	10.30	9.83
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-72.490	-72.490	-72.490	-72.490	-72.490	-72.490	-72.490
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	1.453	1.453	1.453	1.453	1.453	1.453	1.453
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.88	6.62	6.36	6.11	5.85	5.59	5.33
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-10.611	-10.611	-10.611	-10.611	-10.611	-10.611	-10.611
		Vy	-5.637	-5.637	-5.637	-5.637	-5.637	-5.637	-5.637
		Vz	0.066	0.066	0.066	0.066	0.066	0.066	0.066
		Mt	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		My	-1.18	-1.19	-1.20	-1.22	-1.23	-1.24	-1.25
		Mz	5.80	6.80	7.80	8.80	9.80	10.80	11.80
	Vento 180	N	7.007	7.007	7.007	7.007	7.007	7.007	7.007
		Vy	3.967	4.126	4.286	4.445	4.604	4.764	4.923
		Vz	-0.157	-0.157	-0.157	-0.157	-0.157	-0.157	-0.157
		Mt	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		My	1.17	1.20	1.23	1.26	1.28	1.31	1.34
		Mz	-3.42	-4.14	-4.88	-5.65	-6.46	-7.29	-8.14
	Multidão - Passeio	N	-94.079	-94.079	-94.079	-94.079	-94.079	-94.079	-94.079
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	1.887	1.887	1.887	1.887	1.887	1.887	1.887
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		My	8.92	8.59	8.26	7.92	7.59	7.25	6.92
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-306.926	-306.926	-306.926	-306.926	-306.926	-306.926	-306.926
		Vy	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Vz	6.148	6.148	6.148	6.148	6.148	6.148	6.148
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	29.13	28.04	26.95	25.86	24.78	23.69	22.60
		Mz	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-25.744	-25.744	-25.744	-25.744	-25.744	-25.744	-25.744
		Vy	0.025	0.025	0.025	0.025	0.025	0.025	0.025
		Vz	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.84	0.85	0.87	0.88	0.90	0.92	0.93
		Mz	-0.01	-0.02	-0.02	-0.03	-0.03	-0.03	-0.04
	TB-450 - A2	N	-61.039	-61.039	-61.039	-61.039	-61.039	-61.039	-61.039
		Vy	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028
		Vz	-0.209	-0.209	-0.209	-0.209	-0.209	-0.209	-0.209
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.98	2.02	2.06	2.10	2.13	2.17	2.21
		Mz	0.01	0.02	0.02	0.03	0.03	0.04	0.04
	TB-450 - B1	N	-72.107	-72.107	-72.107	-72.107	-72.107	-72.107	-72.107
		Vy	0.063	0.063	0.063	0.063	0.063	0.063	0.063
		Vz	2.342	2.342	2.342	2.342	2.342	2.342	2.342
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	10.59	10.18	9.76	9.35	8.93	8.52	8.10
		Mz	-0.03	-0.04	-0.05	-0.06	-0.07	-0.08	-0.09
	TB-450 - B2	N	-171.195	-171.195	-171.195	-171.195	-171.195	-171.195	-171.195
		Vy	-0.072	-0.072	-0.072	-0.072	-0.072	-0.072	-0.072
		Vz	5.558	5.558	5.558	5.558	5.558	5.558	5.558
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.02	24.03	23.05	22.06	21.08	20.09	19.11
		Mz	0.02	0.03	0.04	0.06	0.07	0.08	0.10
	TB-450 - C1	N	-80.193	-80.193	-80.193	-80.193	-80.193	-80.193	-80.193
		Vy	0.083	0.083	0.083	0.083	0.083	0.083	0.083
		Vz	0.186	0.186	0.186	0.186	0.186	0.186	0.186
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	10.59	10.56	10.52	10.49	10.46	10.43	10.39
		Mz	-0.06	-0.07	-0.09	-0.10	-0.12	-0.13	-0.14
	TB-450 - C2	N	-190.606	-190.606	-190.606	-190.606	-190.606	-190.606	-190.606
		Vy	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094
		Vz	0.459	0.459	0.459	0.459	0.459	0.459	0.459
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.00	24.92	24.84	24.76	24.68	24.59	24.51
		Mz	0.05	0.06	0.08	0.10	0.11	0.13	0.15
	TB-450 - D1	N	-50.021	-50.021	-50.021	-50.021	-50.021	-50.021	-50.021
		Vy	0.048	0.048	0.048	0.048	0.048	0.048	0.048
		Vz	1.782	1.782	1.782	1.782	1.782	1.782	1.782
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.11	0.79	0.48	0.16	-0.15	-0.47	-0.78
		Mz	-0.03	-0.04	-0.05	-0.06	-0.07	-0.07	-0.08
	TB-450 - D2	N	-119.004	-119.004	-119.004	-119.004	-119.004	-119.004	-119.004
		Vy	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Vz	4.233	4.233	4.233	4.233	4.233	4.233	4.233
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.59	1.84	1.09	0.34	-0.41	-1.16	-1.91
		Mz	0.02	0.03	0.04	0.05	0.06	0.07	0.08
	TB-450 - E1	N	-17.126	-17.126	-17.126	-17.126	-17.126	-17.126	-17.126
		Vy	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vz	0.690	0.690	0.690	0.690	0.690	0.690	0.690
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.25	0.13	0.00	-0.12	-0.24	-0.36	-0.49
		Mz	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02	-0.02
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N167/N5	Peso próprio	N	-254.133	-254.100	-254.067
		Vy	0.072	0.072	0.072
		Vz	-19.565	-19.335	-19.104
		Mt	-0.01	-0.01	-0.01
		My	5.66	8.09	10.49
		Mz	-0.07	-0.07	-0.08
	LAJE	N	-549.155	-549.155	-549.155
		Vy	-0.021	-0.021	-0.021
		Vz	-11.689	-11.689	-11.689
		Mt	0.00	0.00	0.00
		My	27.95	29.41	30.87
		Mz	0.01	0.01	0.01
	PAVIMENTAÇÃO	N	-299.658	-299.658	-299.658
		Vy	-0.012	-0.012	-0.012
		Vz	-6.379	-6.379	-6.379
		Mt	0.00	0.00	0.00
		My	15.25	16.05	16.84
		Mz	0.00	0.00	0.01
	RECAPEAMENTO	N	-136.208	-136.208	-136.208
		Vy	-0.005	-0.005	-0.005
		Vz	-2.899	-2.899	-2.899
		Mt	0.00	0.00	0.00
		My	6.93	7.29	7.66
		Mz	0.00	0.00	0.00
	GUARDA-RODAS	N	-73.935	-73.935	-73.935
		Vy	-0.003	-0.003	-0.003
		Vz	-1.573	-1.573	-1.573
		Mt	0.00	0.00	0.00
		My	3.76	3.96	4.15
		Mz	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
	Vento 0	N	-10.040	-10.040	-10.040
		Vy	-5.576	-5.576	-5.576
		Vz	1.639	1.639	1.639
		Mt	0.70	0.70	0.70
		My	-0.89	-1.10	-1.30
		Mz	11.59	12.28	12.98
	Vento 180	N	7.240	7.240	7.240
		Vy	7.766	7.878	7.991
		Vz	0.629	0.629	0.629
		Mt	-0.53	-0.53	-0.53
		My	1.42	1.34	1.26
		Mz	-8.00	-8.98	-9.97
	Multidão - Passeio	N	-95.954	-95.954	-95.954
		Vy	-0.004	-0.004	-0.004
		Vz	-2.039	-2.039	-2.039
		Mt	0.00	0.00	0.00
		My	4.88	5.13	5.39
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	-313.045	-313.045	-313.045
		Vy	-0.012	-0.012	-0.012
		Vz	-6.668	-6.668	-6.668
		Mt	0.00	0.00	0.00
		My	15.94	16.77	17.60
		Mz	0.00	0.01	0.01
	TB-450 - A1	N	-21.662	-21.662	-21.662
		Vy	0.024	0.024	0.024
		Vz	12.079	12.079	12.079
		Mt	0.00	0.00	0.00
		My	3.02	1.51	0.00
		Mz	-0.04	-0.04	-0.04
	TB-450 - A2	N	-51.410	-51.410	-51.410
		Vy	-0.027	-0.027	-0.027
		Vz	28.490	28.490	28.490
		Mt	0.00	0.00	0.00
		My	7.13	3.57	0.01
		Mz	0.04	0.04	0.05
	TB-450 - B1	N	-62.503	-62.503	-62.503
		Vy	0.064	0.064	0.064
		Vz	32.089	32.089	32.089
		Mt	0.00	0.00	0.00
		My	12.24	8.23	4.21
		Mz	-0.09	-0.10	-0.11
	TB-450 - B2	N	-148.536	-148.536	-148.536
		Vy	-0.073	-0.073	-0.073
		Vz	75.749	75.749	75.749
		Mt	0.00	0.00	0.00
		My	28.86	19.39	9.92
		Mz	0.10	0.11	0.12
	TB-450 - C1	N	-85.992	-85.992	-85.992

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	0.083	0.083	0.083
		Vz	-15.061	-15.061	-15.061
		Mt	0.00	0.00	0.00
		My	6.20	8.08	9.96
		Mz	-0.15	-0.16	-0.17
	TB-450 - C2	N	-204.417	-204.417	-204.417
		Vy	-0.093	-0.093	-0.093
		Vz	-35.880	-35.880	-35.880
		Mt	0.00	0.00	0.00
		My	14.54	19.03	23.51
		Mz	0.15	0.16	0.17
	TB-450 - D1	N	-59.450	-59.450	-59.450
		Vy	0.048	0.048	0.048
		Vz	-25.452	-25.452	-25.452
		Mt	0.00	0.00	0.00
		My	-6.20	-3.02	0.16
		Mz	-0.08	-0.09	-0.09
	TB-450 - D2	N	-141.370	-141.370	-141.370
		Vy	-0.055	-0.055	-0.055
		Vz	-60.373	-60.373	-60.373
		Mt	0.00	0.00	0.00
		My	-14.76	-7.22	0.33
		Mz	0.08	0.09	0.10
	TB-450 - E1	N	-20.413	-20.413	-20.413
		Vy	0.015	0.015	0.015
		Vz	-8.792	-8.792	-8.792
		Mt	0.00	0.00	0.00
		My	-2.39	-1.29	-0.19
		Mz	-0.02	-0.03	-0.03
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N115/N152	Peso próprio	N	-147.367	-147.334	-147.301
		Vy	0.005	0.005	0.005
		Vz	-140.185	-139.954	-139.724
		Mt	-0.01	-0.01	-0.01
		My	-12.07	5.44	22.92
		Mz	0.02	0.02	0.02
	LAJE	N	-352.487	-352.487	-352.487
		Vy	0.011	0.011	0.011
		Vz	-345.765	-345.765	-345.765
		Mt	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		My	-28.46	14.76	57.98
		Mz	0.06	0.05	0.05
	PAVIMENTAÇÃO	N	-192.343	-192.343	-192.343
		Vy	0.006	0.006	0.006
		Vz	-188.673	-188.673	-188.673
		Mt	0.00	0.00	0.00
		My	-15.53	8.06	31.64
		Mz	0.03	0.03	0.03
	RECAPEAMENTO	N	-87.429	-87.429	-87.429
		Vy	0.003	0.003	0.003
		Vz	-85.761	-85.761	-85.761
		Mt	0.00	0.00	0.00
		My	-7.06	3.66	14.38
		Mz	0.01	0.01	0.01
	GUARDA-RODAS	N	-47.454	-47.454	-47.454
		Vy	0.002	0.002	0.002
		Vz	-46.554	-46.554	-46.554
		Mt	0.00	0.00	0.00
		My	-3.84	1.98	7.80
		Mz	0.01	0.01	0.01
	Vento 0	N	1.424	1.424	1.424
		Vy	2.578	2.466	2.353
		Vz	-4.007	-4.007	-4.007
		Mt	0.01	0.01	0.01
		My	-0.67	-0.17	0.33
		Mz	-4.44	-4.76	-5.06
	Vento 180	N	-6.762	-6.762	-6.762
		Vy	1.091	1.091	1.091
		Vz	1.775	1.775	1.775
		Mt	0.00	0.00	0.00
		My	0.16	-0.07	-0.29
		Mz	4.81	4.68	4.54
	Multidão - Passeio	N	-61.583	-61.583	-61.583
		Vy	0.004	0.004	0.004
		Vz	-60.423	-60.423	-60.423
		Mt	0.00	0.00	0.00
		My	-4.98	2.57	10.12
		Mz	0.01	0.01	0.01
	Multidão - TB450	N	-200.945	-200.945	-200.945
		Vy	0.003	0.003	0.003
		Vz	-197.093	-197.093	-197.093
		Mt	0.00	0.00	0.00
		My	-16.21	8.43	33.06
		Mz	0.03	0.03	0.03
	TB-450 - A1	N	-75.345	-75.345	-75.345
		Vy	-0.015	-0.015	-0.015
		Vz	-32.271	-32.271	-32.271
		Mt	0.01	0.01	0.01
		My	12.99	17.03	21.06

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mz	0.02	0.03	0.03
	TB-450 - A2	N	-31.759	-31.759	-31.759
		Vy	-0.002	-0.002	-0.002
		Vz	-13.654	-13.654	-13.654
		Mt	-0.01	-0.01	-0.01
		My	5.49	7.20	8.90
		Mz	-0.01	-0.01	-0.01
	TB-450 - B1	N	-131.043	-131.043	-131.043
		Vy	-0.016	-0.016	-0.016
		Vz	-145.114	-145.114	-145.114
		Mt	0.00	0.00	0.00
		My	-11.22	6.92	25.06
		Mz	0.04	0.04	0.04
	TB-450 - B2	N	-55.115	-55.115	-55.115
		Vy	0.017	0.017	0.017
		Vz	-61.218	-61.218	-61.218
		Mt	0.00	0.00	0.00
		My	-4.70	2.95	10.61
		Mz	-0.02	-0.02	-0.02
	TB-450 - C1	N	-96.778	-96.778	-96.778
		Vy	-0.009	-0.009	-0.009
		Vz	-108.509	-108.509	-108.509
		Mt	0.01	0.01	0.01
		My	-17.87	-4.31	9.25
		Mz	0.03	0.03	0.03
	TB-450 - C2	N	-40.638	-40.638	-40.638
		Vy	0.023	0.023	0.023
		Vz	-45.728	-45.728	-45.728
		Mt	0.00	0.00	0.00
		My	-7.50	-1.78	3.94
		Mz	0.00	0.00	-0.01
	TB-450 - D1	N	-58.363	-58.363	-58.363
		Vy	-0.004	-0.004	-0.004
		Vz	-65.492	-65.492	-65.492
		Mt	0.00	0.00	0.00
		My	-10.96	-2.77	5.41
		Mz	0.02	0.02	0.02
	TB-450 - D2	N	-24.494	-24.494	-24.494
		Vy	0.014	0.014	0.014
		Vz	-27.594	-27.594	-27.594
		Mt	0.00	0.00	0.00
		My	-4.60	-1.15	2.30
		Mz	0.00	0.00	0.00
	TB-450 - E1	N	-19.866	-19.866	-19.866
		Vy	-0.001	-0.001	-0.001
		Vz	-22.331	-22.331	-22.331
		Mt	0.00	0.00	0.00
		My	-3.75	-0.96	1.83
		Mz	0.01	0.01	0.01

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações								
Barra	Hipótese	Esforço	Posições na barra					
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N152/N117	Peso próprio	N	-153.854	-153.807	-153.760	-153.713	-153.667	-153.620	-153.573
		Vy	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vz	-5.325	-4.998	-4.671	-4.344	-4.018	-3.691	-3.364
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.21	1.13	1.99	2.78	3.52	4.21	4.83
		Mz	0.02	0.02	0.01	0.01	0.01	0.01	0.01
	LAJE	N	-369.517	-369.517	-369.517	-369.517	-369.517	-369.517	-369.517
		Vy	0.031	0.031	0.031	0.031	0.031	0.031	0.031
		Vz	-8.438	-8.438	-8.438	-8.438	-8.438	-8.438	-8.438
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.60	3.10	4.59	6.09	7.59	9.08	10.58
		Mz	0.05	0.05	0.04	0.04	0.03	0.03	0.02
	PAVIMENTAÇÃO	N	-201.636	-201.636	-201.636	-201.636	-201.636	-201.636	-201.636
		Vy	0.017	0.017	0.017	0.017	0.017	0.017	0.017
		Vz	-4.604	-4.604	-4.604	-4.604	-4.604	-4.604	-4.604
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.88	1.69	2.51	3.32	4.14	4.96	5.77
		Mz	0.03	0.03	0.02	0.02	0.02	0.01	0.01
	RECAPEAMENTO	N	-91.653	-91.653	-91.653	-91.653	-91.653	-91.653	-91.653
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	-2.093	-2.093	-2.093	-2.093	-2.093	-2.093	-2.093
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.40	0.77	1.14	1.51	1.88	2.25	2.62
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.00
	GUARDA-RODAS	N	-49.748	-49.748	-49.748	-49.748	-49.748	-49.748	-49.748
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	-1.137	-1.137	-1.137	-1.137	-1.137	-1.137	-1.137
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.21	0.41	0.62	0.82	1.02	1.22	1.42
		Mz	0.01	0.01	0.01	0.00	0.00	0.00	0.00
	Vento 0	N	1.209	1.209	1.209	1.209	1.209	1.209	1.209
		Vy	-0.421	-0.581	-0.740	-0.900	-1.059	-1.219	-1.378
		Vz	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-0.36	-0.35	-0.34	-0.32	-0.31	-0.29	-0.28
		Mz	-5.06	-4.97	-4.86	-4.71	-4.54	-4.34	-4.11
	Vento 180	N	-6.657	-6.657	-6.657	-6.657	-6.657	-6.657	-6.657
		Vy	1.070	1.070	1.070	1.070	1.070	1.070	1.070
		Vz	0.026	0.026	0.026	0.026	0.026	0.026	0.026
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.05	0.05	0.04	0.04	0.04	0.03	0.03

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Mz	4.55	4.36	4.17	3.98	3.79	3.60	3.41
	Multidão - Passeio	N	-64.559	-64.559	-64.559	-64.559	-64.559	-64.559	-64.559
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	-1.476	-1.476	-1.476	-1.476	-1.476	-1.476	-1.476
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.27	0.53	0.79	1.05	1.32	1.58	1.84
		Mz	0.01	0.01	0.01	0.01	0.00	0.00	0.00
	Multidão - TB450	N	-210.652	-210.652	-210.652	-210.652	-210.652	-210.652	-210.652
		Vy	0.018	0.018	0.018	0.018	0.018	0.018	0.018
		Vz	-4.807	-4.807	-4.807	-4.807	-4.807	-4.807	-4.807
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.93	1.78	2.63	3.48	4.34	5.19	6.04
		Mz	0.03	0.03	0.02	0.02	0.02	0.02	0.01
	TB-450 - A1	N	-76.148	-76.148	-76.148	-76.148	-76.148	-76.148	-76.148
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	2.005	2.005	2.005	2.005	2.005	2.005	2.005
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	17.47	17.11	16.76	16.40	16.05	15.69	15.34
		Mz	0.03	0.03	0.03	0.03	0.03	0.03	0.03
	TB-450 - A2	N	-32.099	-32.099	-32.099	-32.099	-32.099	-32.099	-32.099
		Vy	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vz	0.846	0.846	0.846	0.846	0.846	0.846	0.846
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.38	7.23	7.08	6.93	6.78	6.63	6.48
		Mz	-0.01	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02
	TB-450 - B1	N	-137.796	-137.796	-137.796	-137.796	-137.796	-137.796	-137.796
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	-7.948	-7.948	-7.948	-7.948	-7.948	-7.948	-7.948
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.64	4.05	5.46	6.87	8.28	9.69	11.09
		Mz	0.04	0.05	0.05	0.05	0.05	0.05	0.05
	TB-450 - B2	N	-57.966	-57.966	-57.966	-57.966	-57.966	-57.966	-57.966
		Vy	0.022	0.022	0.022	0.022	0.022	0.022	0.022
		Vz	-3.351	-3.351	-3.351	-3.351	-3.351	-3.351	-3.351
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.14	1.74	2.33	2.93	3.52	4.11	4.71
		Mz	-0.02	-0.02	-0.03	-0.03	-0.04	-0.04	-0.04
	TB-450 - C1	N	-102.756	-102.756	-102.756	-102.756	-102.756	-102.756	-102.756
		Vy	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		Vz	-1.997	-1.997	-1.997	-1.997	-1.997	-1.997	-1.997
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-10.00	-9.65	-9.29	-8.94	-8.59	-8.23	-7.88
		Mz	0.03	0.03	0.03	0.03	0.04	0.04	0.04
	TB-450 - C2	N	-43.160	-43.160	-43.160	-43.160	-43.160	-43.160	-43.160
		Vy	0.023	0.023	0.023	0.023	0.023	0.023	0.023
		Vz	-0.834	-0.834	-0.834	-0.834	-0.834	-0.834	-0.834
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.19	-4.04	-3.89	-3.74	-3.60	-3.45	-3.30
		Mz	-0.01	-0.01	-0.01	-0.02	-0.02	-0.03	-0.03
	TB-450 - D1	N	-61.993	-61.993	-61.993	-61.993	-61.993	-61.993	-61.993
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-0.885	-0.885	-0.885	-0.885	-0.885	-0.885	-0.885

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-6.26	-6.11	-5.95	-5.79	-5.64	-5.48	-5.32
		Mz	0.02	0.02	0.02	0.02	0.02	0.02	0.03
	TB-450 - D2	N	-26.025	-26.025	-26.025	-26.025	-26.025	-26.025	-26.025
		Vy	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vz	-0.368	-0.368	-0.368	-0.368	-0.368	-0.368	-0.368
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.62	-2.56	-2.49	-2.43	-2.36	-2.30	-2.23
		Mz	0.00	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02
	TB-450 - E1	N	-21.104	-21.104	-21.104	-21.104	-21.104	-21.104	-21.104
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-0.302	-0.302	-0.302	-0.302	-0.302	-0.302	-0.302
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.15	-2.10	-2.05	-1.99	-1.94	-1.89	-1.83
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N117/N151	Peso próprio	N	-153.573	-153.526	-153.480	-153.433	-153.386	-153.339	-153.293
		Vy	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vz	-3.364	-3.037	-2.710	-2.384	-2.057	-1.730	-1.403
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.83	5.40	5.91	6.36	6.75	7.09	7.37
		Mz	0.01	0.01	0.01	0.00	0.00	0.00	0.00
	LAJE	N	-369.517	-369.517	-369.517	-369.517	-369.517	-369.517	-369.517
		Vy	0.031	0.031	0.031	0.031	0.031	0.031	0.031
		Vz	-8.438	-8.438	-8.438	-8.438	-8.438	-8.438	-8.438
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	10.58	12.07	13.57	15.06	16.56	18.05	19.55
		Mz	0.02	0.01	0.01	0.00	0.00	-0.01	-0.01
	PAVIMENTAÇÃO	N	-201.636	-201.636	-201.636	-201.636	-201.636	-201.636	-201.636
		Vy	0.017	0.017	0.017	0.017	0.017	0.017	0.017
		Vz	-4.604	-4.604	-4.604	-4.604	-4.604	-4.604	-4.604
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.77	6.59	7.40	8.22	9.04	9.85	10.67
		Mz	0.01	0.01	0.00	0.00	0.00	0.00	-0.01
	RECAPEAMENTO	N	-91.653	-91.653	-91.653	-91.653	-91.653	-91.653	-91.653
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	-2.093	-2.093	-2.093	-2.093	-2.093	-2.093	-2.093
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.62	2.99	3.37	3.74	4.11	4.48	4.85
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-49.748	-49.748	-49.748	-49.748	-49.748	-49.748	-49.748
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Vz	-1.137	-1.137	-1.137	-1.137	-1.137	-1.137	-1.137
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.42	1.62	1.82	2.03	2.23	2.43	2.63
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	1.209	1.209	1.209	1.209	1.209	1.209	1.209
		Vy	-1.378	-1.538	-1.697	-1.857	-2.016	-2.176	-2.335
		Vz	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-0.28	-0.27	-0.25	-0.24	-0.22	-0.21	-0.20
		Mz	-4.11	-3.85	-3.56	-3.25	-2.90	-2.53	-2.13
	Vento 180	N	-6.657	-6.657	-6.657	-6.657	-6.657	-6.657	-6.657
		Vy	1.070	1.070	1.070	1.070	1.070	1.070	1.070
		Vz	0.026	0.026	0.026	0.026	0.026	0.026	0.026
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.03	0.02	0.02	0.01	0.01	0.00	0.00
		Mz	3.41	3.22	3.03	2.84	2.65	2.46	2.27
	Multidão - Passeio	N	-64.559	-64.559	-64.559	-64.559	-64.559	-64.559	-64.559
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	-1.476	-1.476	-1.476	-1.476	-1.476	-1.476	-1.476
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.84	2.10	2.36	2.62	2.89	3.15	3.41
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-210.652	-210.652	-210.652	-210.652	-210.652	-210.652	-210.652
		Vy	0.018	0.018	0.018	0.018	0.018	0.018	0.018
		Vz	-4.807	-4.807	-4.807	-4.807	-4.807	-4.807	-4.807
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.04	6.89	7.74	8.60	9.45	10.30	11.15
		Mz	0.01	0.01	0.01	0.00	0.00	0.00	-0.01
	TB-450 - A1	N	-76.148	-76.148	-76.148	-76.148	-76.148	-76.148	-76.148
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	2.005	2.005	2.005	2.005	2.005	2.005	2.005
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	15.34	14.98	14.63	14.27	13.92	13.56	13.20
		Mz	0.03	0.03	0.03	0.03	0.03	0.03	0.03
	TB-450 - A2	N	-32.099	-32.099	-32.099	-32.099	-32.099	-32.099	-32.099
		Vy	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vz	0.846	0.846	0.846	0.846	0.846	0.846	0.846
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.48	6.33	6.18	6.03	5.88	5.73	5.58
		Mz	-0.02	-0.02	-0.02	-0.03	-0.03	-0.03	-0.03
	TB-450 - B1	N	-137.796	-137.796	-137.796	-137.796	-137.796	-137.796	-137.796
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	-7.948	-7.948	-7.948	-7.948	-7.948	-7.948	-7.948
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.09	12.50	13.91	15.32	16.73	18.14	19.55
		Mz	0.05	0.05	0.06	0.06	0.06	0.06	0.06
	TB-450 - B2	N	-57.966	-57.966	-57.966	-57.966	-57.966	-57.966	-57.966
		Vy	0.022	0.022	0.022	0.022	0.022	0.022	0.022
		Vz	-3.351	-3.351	-3.351	-3.351	-3.351	-3.351	-3.351
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.71	5.30	5.90	6.49	7.08	7.68	8.27
		Mz	-0.04	-0.05	-0.05	-0.06	-0.06	-0.06	-0.07

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Esforços em barras, por hipóteses/ações								
Barra	Hipótese	Esforço	Posições na barra					
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
	TB-450 - C1	N	-102.756	-102.756	-102.756	-102.756	-102.756	-102.756	-102.756
		Vy	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		Vz	-1.997	-1.997	-1.997	-1.997	-1.997	-1.997	-1.997
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-7.88	-7.52	-7.17	-6.82	-6.46	-6.11	-5.76
		Mz	0.04	0.04	0.04	0.04	0.05	0.05	0.05
	TB-450 - C2	N	-43.160	-43.160	-43.160	-43.160	-43.160	-43.160	-43.160
		Vy	0.023	0.023	0.023	0.023	0.023	0.023	0.023
		Vz	-0.834	-0.834	-0.834	-0.834	-0.834	-0.834	-0.834
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.30	-3.15	-3.00	-2.86	-2.71	-2.56	-2.41
		Mz	-0.03	-0.04	-0.04	-0.04	-0.05	-0.05	-0.06
	TB-450 - D1	N	-61.993	-61.993	-61.993	-61.993	-61.993	-61.993	-61.993
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-0.885	-0.885	-0.885	-0.885	-0.885	-0.885	-0.885
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.32	-5.17	-5.01	-4.85	-4.70	-4.54	-4.38
		Mz	0.03	0.03	0.03	0.03	0.03	0.03	0.03
	TB-450 - D2	N	-26.025	-26.025	-26.025	-26.025	-26.025	-26.025	-26.025
		Vy	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vz	-0.368	-0.368	-0.368	-0.368	-0.368	-0.368	-0.368
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.23	-2.17	-2.10	-2.04	-1.97	-1.91	-1.84
		Mz	-0.02	-0.02	-0.02	-0.03	-0.03	-0.03	-0.03
	TB-450 - E1	N	-21.104	-21.104	-21.104	-21.104	-21.104	-21.104	-21.104
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-0.302	-0.302	-0.302	-0.302	-0.302	-0.302	-0.302
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.83	-1.78	-1.72	-1.67	-1.62	-1.56	-1.51
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N151/N113	Peso próprio	N	-191.659	-191.626	-191.593
		Vy	0.011	0.011	0.011
		Vz	-111.278	-111.047	-110.817
		Mt	0.00	0.00	0.00
		My	-14.00	-0.11	13.76
		Mz	0.00	0.00	0.00
	LAJE	N	-459.457	-459.457	-459.457
		Vy	0.050	0.050	0.050
		Vz	-267.836	-267.836	-267.836
		Mt	0.00	0.00	0.00
		My	-31.30	2.18	35.66

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mz	-0.01	-0.02	-0.03
	PAVIMENTAÇÃO	N	-250.712	-250.712	-250.712
		Vy	0.028	0.028	0.028
		Vz	-146.147	-146.147	-146.147
		Mt	0.00	0.00	0.00
		My	-17.08	1.19	19.46
		Mz	-0.01	-0.01	-0.01
	RECAPEAMENTO	N	-113.960	-113.960	-113.960
		Vy	0.013	0.013	0.013
		Vz	-66.431	-66.431	-66.431
		Mt	0.00	0.00	0.00
		My	-7.76	0.54	8.84
		Mz	0.00	0.00	-0.01
	GUARDA-RODAS	N	-61.859	-61.859	-61.859
		Vy	0.006	0.006	0.006
		Vz	-36.068	-36.068	-36.068
		Mt	0.00	0.00	0.00
		My	-4.22	0.29	4.80
		Mz	0.00	0.00	0.00
	Vento 0	N	-0.207	-0.207	-0.207
		Vy	-5.206	-5.318	-5.431
		Vz	-4.257	-4.257	-4.257
		Mt	0.00	0.00	0.00
		My	-0.94	-0.40	0.13
		Mz	-2.13	-1.47	-0.80
	Vento 180	N	-5.981	-5.981	-5.981
		Vy	1.058	1.058	1.058
		Vz	2.039	2.039	2.039
		Mt	-0.04	-0.04	-0.04
		My	0.33	0.08	-0.18
		Mz	2.30	2.16	2.03
	Multidão - Passeio	N	-80.282	-80.282	-80.282
		Vy	0.006	0.006	0.006
		Vz	-46.823	-46.823	-46.823
		Mt	0.00	0.00	0.00
		My	-5.48	0.37	6.23
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	-261.912	-261.912	-261.912
		Vy	0.032	0.032	0.032
		Vz	-152.645	-152.645	-152.645
		Mt	0.00	0.00	0.00
		My	-17.83	1.25	20.33
		Mz	-0.01	-0.01	-0.02
	TB-450 - A1	N	-71.393	-71.393	-71.393
		Vy	0.010	0.010	0.010
		Vz	18.190	18.190	18.190
		Mt	0.00	0.00	0.00
		My	14.18	11.90	9.63
		Mz	0.03	0.03	0.03

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
	TB-450 - A2	N	-30.088	-30.088	-30.088
		Vy	0.019	0.019	0.019
		Vz	7.694	7.694	7.694
		Mt	0.00	0.00	0.00
		My	5.99	5.03	4.07
		Mz	-0.03	-0.03	-0.03
	TB-450 - B1	N	-169.102	-169.102	-169.102
		Vy	-0.001	-0.001	-0.001
		Vz	-97.258	-97.258	-97.258
		Mt	0.00	0.00	0.00
		My	1.48	13.63	25.79
		Mz	0.06	0.06	0.06
	TB-450 - B2	N	-71.173	-71.173	-71.173
		Vy	0.027	0.027	0.027
		Vz	-41.025	-41.025	-41.025
		Mt	0.00	0.00	0.00
		My	0.65	5.78	10.91
		Mz	-0.07	-0.07	-0.07
	TB-450 - C1	N	-141.583	-141.583	-141.583
		Vy	-0.009	-0.009	-0.009
		Vz	-115.918	-115.918	-115.918
		Mt	0.00	0.00	0.00
		My	-26.51	-12.02	2.47
		Mz	0.05	0.05	0.05
	TB-450 - C2	N	-59.532	-59.532	-59.532
		Vy	0.024	0.024	0.024
		Vz	-48.871	-48.871	-48.871
		Mt	0.00	0.00	0.00
		My	-11.16	-5.05	1.05
		Mz	-0.05	-0.06	-0.06
	TB-450 - D1	N	-85.721	-85.721	-85.721
		Vy	-0.004	-0.004	-0.004
		Vz	-70.449	-70.449	-70.449
		Mt	0.00	0.00	0.00
		My	-17.14	-8.33	0.47
		Mz	0.03	0.03	0.03
	TB-450 - D2	N	-36.028	-36.028	-36.028
		Vy	0.014	0.014	0.014
		Vz	-29.694	-29.694	-29.694
		Mt	0.00	0.00	0.00
		My	-7.22	-3.51	0.21
		Mz	-0.03	-0.04	-0.04
	TB-450 - E1	N	-29.198	-29.198	-29.198
		Vy	-0.001	-0.001	-0.001
		Vz	-24.031	-24.031	-24.031
		Mt	0.00	0.00	0.00
		My	-5.86	-2.86	0.15
		Mz	0.01	0.01	0.01
	TB-450 - E2	N	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N113/N150	Peso próprio	N	-189.553	-189.520	-189.487
		Vy	0.047	0.047	0.047
		Vz	-109.123	-108.893	-108.662
		Mt	0.00	0.00	0.00
		My	13.76	27.39	40.98
		Mz	0.00	-0.01	-0.02
	LAJE	N	-458.369	-458.369	-458.369
		Vy	-0.027	-0.027	-0.027
		Vz	-267.836	-267.836	-267.836
		Mt	0.00	0.00	0.00
		My	35.66	69.13	102.61
		Mz	-0.03	-0.02	-0.02
	PAVIMENTAÇÃO	N	-250.118	-250.118	-250.118
		Vy	-0.015	-0.015	-0.015
		Vz	-146.147	-146.147	-146.147
		Mt	0.00	0.00	0.00
		My	19.46	37.72	55.99
		Mz	-0.01	-0.01	-0.01
	RECAPEAMENTO	N	-113.690	-113.690	-113.690
		Vy	-0.007	-0.007	-0.007
		Vz	-66.431	-66.431	-66.431
		Mt	0.00	0.00	0.00
		My	8.84	17.15	25.45
		Mz	-0.01	-0.01	0.00
	GUARDA-RODAS	N	-61.712	-61.712	-61.712
		Vy	-0.004	-0.004	-0.004
		Vz	-36.068	-36.068	-36.068
		Mt	0.00	0.00	0.00
		My	4.80	9.31	13.82
		Mz	0.00	0.00	0.00
	Vento 0	N	5.471	5.471	5.471
		Vy	3.700	3.587	3.475
		Vz	-4.257	-4.257	-4.257
		Mt	0.00	0.00	0.00
		My	0.13	0.66	1.19
		Mz	-0.80	-1.25	-1.69
	Vento 180	N	-7.899	-7.899	-7.899
		Vy	0.192	0.192	0.192
		Vz	2.039	2.039	2.039
		Mt	-0.04	-0.04	-0.04

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		My	-0.18	-0.43	-0.69
		Mz	2.03	2.01	1.98
	Multidão - Passeio	N	-80.092	-80.092	-80.092
		Vy	-0.005	-0.005	-0.005
		Vz	-46.823	-46.823	-46.823
		Mt	0.00	0.00	0.00
		My	6.23	12.08	17.93
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	-261.291	-261.291	-261.291
		Vy	-0.015	-0.015	-0.015
		Vz	-152.645	-152.645	-152.645
		Mt	0.00	0.00	0.00
		My	20.33	39.41	58.49
		Mz	-0.02	-0.01	-0.01
	TB-450 - A1	N	-71.281	-71.281	-71.281
		Vy	-0.004	-0.004	-0.004
		Vz	18.190	18.190	18.190
		Mt	0.00	0.00	0.00
		My	9.63	7.36	5.08
		Mz	0.03	0.03	0.03
	TB-450 - A2	N	-30.031	-30.031	-30.031
		Vy	-0.006	-0.006	-0.006
		Vz	7.694	7.694	7.694
		Mt	0.00	0.00	0.00
		My	4.07	3.11	2.15
		Mz	-0.03	-0.03	-0.03
	TB-450 - B1	N	-168.799	-168.799	-168.799
		Vy	-0.012	-0.012	-0.012
		Vz	-97.258	-97.258	-97.258
		Mt	0.00	0.00	0.00
		My	25.79	37.95	50.10
		Mz	0.06	0.06	0.06
	TB-450 - B2	N	-71.011	-71.011	-71.011
		Vy	-0.005	-0.005	-0.005
		Vz	-41.025	-41.025	-41.025
		Mt	0.00	0.00	0.00
		My	10.91	16.03	21.16
		Mz	-0.07	-0.07	-0.07
	TB-450 - C1	N	-141.314	-141.314	-141.314
		Vy	-0.008	-0.008	-0.008
		Vz	-115.918	-115.918	-115.918
		Mt	0.00	0.00	0.00
		My	2.47	16.96	31.45
		Mz	0.05	0.05	0.05
	TB-450 - C2	N	-59.343	-59.343	-59.343
		Vy	0.004	0.004	0.004
		Vz	-48.871	-48.871	-48.871
		Mt	0.00	0.00	0.00
		My	1.05	7.16	13.27

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mz	-0.06	-0.06	-0.06
	TB-450 - D1	N	-85.545	-85.545	-85.545
		Vy	-0.006	-0.006	-0.006
		Vz	-70.449	-70.449	-70.449
		Mt	0.00	0.00	0.00
		My	0.47	9.28	18.09
		Mz	0.03	0.03	0.03
	TB-450 - D2	N	-35.909	-35.909	-35.909
		Vy	0.002	0.002	0.002
		Vz	-29.694	-29.694	-29.694
		Mt	0.00	0.00	0.00
		My	0.21	3.92	7.63
		Mz	-0.04	-0.04	-0.04
	TB-450 - E1	N	-29.140	-29.140	-29.140
		Vy	-0.005	-0.005	-0.005
		Vz	-24.031	-24.031	-24.031
		Mt	0.00	0.00	0.00
		My	0.15	3.15	6.15
		Mz	0.01	0.01	0.01
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N150/N118	Peso próprio	N	-194.925	-194.878	-194.831	-194.785	-194.738	-194.691	-194.645
		Vy	0.049	0.049	0.049	0.049	0.049	0.049	0.049
		Vz	0.441	0.768	1.094	1.421	1.748	2.075	2.402
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	21.42	21.31	21.15	20.92	20.64	20.31	19.91
		Mz	-0.02	-0.02	-0.03	-0.04	-0.05	-0.06	-0.07
	LAJE	N	-472.630	-472.630	-472.630	-472.630	-472.630	-472.630	-472.630
		Vy	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028
		Vz	5.831	5.831	5.831	5.831	5.831	5.831	5.831
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	54.07	53.04	52.00	50.97	49.94	48.90	47.87
		Mz	-0.02	-0.01	-0.01	0.00	0.00	0.01	0.01
	PAVIMENTAÇÃO	N	-257.900	-257.900	-257.900	-257.900	-257.900	-257.900	-257.900
		Vy	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
		Vz	3.182	3.182	3.182	3.182	3.182	3.182	3.182
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	29.50	28.94	28.38	27.81	27.25	26.69	26.12
		Mz	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.01
	RECAPEAMENTO	N	-117.227	-117.227	-117.227	-117.227	-117.227	-117.227	-117.227
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	1.446	1.446	1.446	1.446	1.446	1.446	1.446

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.41	13.15	12.90	12.64	12.39	12.13	11.87
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-63.633	-63.633	-63.633	-63.633	-63.633	-63.633	-63.633
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	0.785	0.785	0.785	0.785	0.785	0.785	0.785
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.28	7.14	7.00	6.86	6.72	6.58	6.45
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	5.186	5.186	5.186	5.186	5.186	5.186	5.186
		Vy	0.718	0.559	0.399	0.240	0.080	-0.079	-0.239
		Vz	-0.040	-0.040	-0.040	-0.040	-0.040	-0.040	-0.040
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	0.27	0.28	0.28	0.29	0.30	0.30	0.31
		Mz	-1.71	-1.82	-1.91	-1.96	-1.99	-1.99	-1.97
	Vento 180	N	-7.752	-7.752	-7.752	-7.752	-7.752	-7.752	-7.752
		Vy	0.161	0.161	0.161	0.161	0.161	0.161	0.161
		Vz	0.135	0.135	0.135	0.135	0.135	0.135	0.135
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-0.22	-0.24	-0.27	-0.29	-0.31	-0.34	-0.36
		Mz	2.00	1.97	1.94	1.91	1.88	1.85	1.83
	Multidão - Passeio	N	-82.584	-82.584	-82.584	-82.584	-82.584	-82.584	-82.584
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	1.019	1.019	1.019	1.019	1.019	1.019	1.019
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.45	9.27	9.09	8.91	8.73	8.55	8.36
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-269.420	-269.420	-269.420	-269.420	-269.420	-269.420	-269.420
		Vy	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016
		Vz	3.324	3.324	3.324	3.324	3.324	3.324	3.324
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	30.82	30.23	29.64	29.05	28.47	27.88	27.29
		Mz	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.01
	TB-450 - A1	N	-70.288	-70.288	-70.288	-70.288	-70.288	-70.288	-70.288
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	1.618	1.618	1.618	1.618	1.618	1.618	1.618
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.07	7.78	7.49	7.21	6.92	6.63	6.35
		Mz	0.03	0.03	0.03	0.03	0.03	0.03	0.03
	TB-450 - A2	N	-29.611	-29.611	-29.611	-29.611	-29.611	-29.611	-29.611
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	0.684	0.684	0.684	0.684	0.684	0.684	0.684
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.41	3.29	3.17	3.05	2.93	2.80	2.68
		Mz	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
	TB-450 - B1	N	-172.578	-172.578	-172.578	-172.578	-172.578	-172.578	-172.578
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	1.116	1.116	1.116	1.116	1.116	1.116	1.116
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	36.18	35.98	35.78	35.59	35.39	35.19	34.99
		Mz	0.06	0.06	0.07	0.07	0.07	0.07	0.07
	TB-450 - B2	N	-72.605	-72.605	-72.605	-72.605	-72.605	-72.605	-72.605

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	0.465	0.465	0.465	0.465	0.465	0.465	0.465
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	15.29	15.20	15.12	15.04	14.96	14.88	14.79
		Mz	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07
	TB-450 - C1	N	-148.171	-148.171	-148.171	-148.171	-148.171	-148.171	-148.171
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	0.355	0.355	0.355	0.355	0.355	0.355	0.355
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.86	8.80	8.74	8.68	8.61	8.55	8.49
		Mz	0.05	0.05	0.06	0.06	0.06	0.06	0.06
	TB-450 - C2	N	-62.236	-62.236	-62.236	-62.236	-62.236	-62.236	-62.236
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	0.142	0.142	0.142	0.142	0.142	0.142	0.142
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.75	3.72	3.70	3.67	3.65	3.62	3.60
		Mz	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06
	TB-450 - D1	N	-89.847	-89.847	-89.847	-89.847	-89.847	-89.847	-89.847
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	2.386	2.386	2.386	2.386	2.386	2.386	2.386
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.96	3.54	3.12	2.70	2.27	1.85	1.43
		Mz	0.03	0.03	0.03	0.04	0.04	0.04	0.04
	TB-450 - D2	N	-37.724	-37.724	-37.724	-37.724	-37.724	-37.724	-37.724
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	1.002	1.002	1.002	1.002	1.002	1.002	1.002
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.67	1.50	1.32	1.14	0.96	0.79	0.61
		Mz	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
	TB-450 - E1	N	-30.607	-30.607	-30.607	-30.607	-30.607	-30.607	-30.607
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	0.839	0.839	0.839	0.839	0.839	0.839	0.839
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.34	1.19	1.04	0.89	0.74	0.59	0.44
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N118/N149	Peso próprio	N	-194.645	-194.598	-194.551	-194.504	-194.458	-194.411	-194.364
		Vy	0.049	0.049	0.049	0.049	0.049	0.049	0.049
		Vz	2.402	2.728	3.055	3.382	3.709	4.036	4.362
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	19.91	19.45	18.94	18.37	17.74	17.06	16.31
		Mz	-0.07	-0.08	-0.08	-0.09	-0.10	-0.11	-0.12

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
	LAJE	N	-472.630	-472.630	-472.630	-472.630	-472.630	-472.630	-472.630
		Vy	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028
		Vz	5.831	5.831	5.831	5.831	5.831	5.831	5.831
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	47.87	46.84	45.80	44.77	43.74	42.70	41.67
		Mz	0.01	0.02	0.02	0.03	0.03	0.03	0.04
	PAVIMENTAÇÃO	N	-257.900	-257.900	-257.900	-257.900	-257.900	-257.900	-257.900
		Vy	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
		Vz	3.182	3.182	3.182	3.182	3.182	3.182	3.182
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	26.12	25.56	24.99	24.43	23.87	23.30	22.74
		Mz	0.01	0.01	0.01	0.01	0.02	0.02	0.02
	RECAPEAMENTO	N	-117.227	-117.227	-117.227	-117.227	-117.227	-117.227	-117.227
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	1.446	1.446	1.446	1.446	1.446	1.446	1.446
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.87	11.62	11.36	11.10	10.85	10.59	10.34
		Mz	0.00	0.00	0.00	0.01	0.01	0.01	0.01
	GUARDA-RODAS	N	-63.633	-63.633	-63.633	-63.633	-63.633	-63.633	-63.633
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	0.785	0.785	0.785	0.785	0.785	0.785	0.785
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.45	6.31	6.17	6.03	5.89	5.75	5.61
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	Vento 0	N	5.186	5.186	5.186	5.186	5.186	5.186	5.186
		Vy	-0.239	-0.398	-0.558	-0.717	-0.877	-1.036	-1.196
		Vz	-0.040	-0.040	-0.040	-0.040	-0.040	-0.040	-0.040
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	0.31	0.32	0.33	0.33	0.34	0.35	0.35
		Mz	-1.97	-1.91	-1.82	-1.71	-1.57	-1.40	-1.20
	Vento 180	N	-7.752	-7.752	-7.752	-7.752	-7.752	-7.752	-7.752
		Vy	0.161	0.161	0.161	0.161	0.161	0.161	0.161
		Vz	0.135	0.135	0.135	0.135	0.135	0.135	0.135
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-0.36	-0.39	-0.41	-0.43	-0.46	-0.48	-0.50
		Mz	1.83	1.80	1.77	1.74	1.71	1.68	1.65
	Multidão - Passeio	N	-82.584	-82.584	-82.584	-82.584	-82.584	-82.584	-82.584
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	1.019	1.019	1.019	1.019	1.019	1.019	1.019
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.36	8.18	8.00	7.82	7.64	7.46	7.28
		Mz	0.00	0.00	0.00	0.00	0.01	0.01	0.01
	Multidão - TB450	N	-269.420	-269.420	-269.420	-269.420	-269.420	-269.420	-269.420
		Vy	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016
		Vz	3.324	3.324	3.324	3.324	3.324	3.324	3.324
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	27.29	26.70	26.11	25.52	24.93	24.34	23.75
		Mz	0.01	0.01	0.01	0.01	0.02	0.02	0.02
	TB-450 - A1	N	-70.288	-70.288	-70.288	-70.288	-70.288	-70.288	-70.288
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	1.618	1.618	1.618	1.618	1.618	1.618	1.618
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		My	6.35	6.06	5.77	5.49	5.20	4.91	4.63
		Mz	0.03	0.03	0.03	0.03	0.03	0.03	0.03
	TB-450 - A2	N	-29.611	-29.611	-29.611	-29.611	-29.611	-29.611	-29.611
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	0.684	0.684	0.684	0.684	0.684	0.684	0.684
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.68	2.56	2.44	2.32	2.20	2.08	1.96
		Mz	-0.03	-0.03	-0.03	-0.03	-0.02	-0.02	-0.02
	TB-450 - B1	N	-172.578	-172.578	-172.578	-172.578	-172.578	-172.578	-172.578
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	1.116	1.116	1.116	1.116	1.116	1.116	1.116
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	34.99	34.79	34.60	34.40	34.20	34.00	33.81
		Mz	0.07	0.07	0.07	0.07	0.08	0.08	0.08
	TB-450 - B2	N	-72.605	-72.605	-72.605	-72.605	-72.605	-72.605	-72.605
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	0.465	0.465	0.465	0.465	0.465	0.465	0.465
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.79	14.71	14.63	14.55	14.46	14.38	14.30
		Mz	-0.07	-0.07	-0.06	-0.06	-0.06	-0.06	-0.06
	TB-450 - C1	N	-148.171	-148.171	-148.171	-148.171	-148.171	-148.171	-148.171
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	0.355	0.355	0.355	0.355	0.355	0.355	0.355
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.49	8.42	8.36	8.30	8.23	8.17	8.11
		Mz	0.06	0.07	0.07	0.07	0.07	0.07	0.08
	TB-450 - C2	N	-62.236	-62.236	-62.236	-62.236	-62.236	-62.236	-62.236
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	0.142	0.142	0.142	0.142	0.142	0.142	0.142
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.60	3.57	3.55	3.52	3.49	3.47	3.44
		Mz	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06
	TB-450 - D1	N	-89.847	-89.847	-89.847	-89.847	-89.847	-89.847	-89.847
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	2.386	2.386	2.386	2.386	2.386	2.386	2.386
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.43	1.01	0.58	0.16	-0.26	-0.69	-1.11
		Mz	0.04	0.04	0.04	0.04	0.05	0.05	0.05
	TB-450 - D2	N	-37.724	-37.724	-37.724	-37.724	-37.724	-37.724	-37.724
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	1.002	1.002	1.002	1.002	1.002	1.002	1.002
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.61	0.43	0.25	0.07	-0.10	-0.28	-0.46
		Mz	-0.04	-0.04	-0.04	-0.04	-0.03	-0.03	-0.03
	TB-450 - E1	N	-30.607	-30.607	-30.607	-30.607	-30.607	-30.607	-30.607
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	0.839	0.839	0.839	0.839	0.839	0.839	0.839
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.44	0.30	0.15	0.00	-0.15	-0.30	-0.45
		Mz	0.01	0.01	0.02	0.02	0.02	0.02	0.02
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações								
Barra	Hipótese	Esforço	Posições na barra					
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N149/N114	Peso próprio	N	-219.967	-219.934	-219.901
		Vy	0.051	0.051	0.051
		Vz	-68.060	-67.830	-67.599
		Mt	0.00	0.00	0.00
		My	2.10	10.59	19.06
		Mz	-0.12	-0.13	-0.13
	LAJE	N	-531.017	-531.017	-531.017
		Vy	-0.028	-0.028	-0.028
		Vz	-161.051	-161.051	-161.051
		Mt	0.00	0.00	0.00
		My	8.58	28.71	48.84
		Mz	0.04	0.04	0.05
	PAVIMENTAÇÃO	N	-289.760	-289.760	-289.760
		Vy	-0.015	-0.015	-0.015
		Vz	-87.881	-87.881	-87.881
		Mt	0.00	0.00	0.00
		My	4.68	15.66	26.65
		Mz	0.02	0.02	0.03
	RECAPEAMENTO	N	-131.709	-131.709	-131.709
		Vy	-0.007	-0.007	-0.007
		Vz	-39.946	-39.946	-39.946
		Mt	0.00	0.00	0.00
		My	2.13	7.12	12.11
		Mz	0.01	0.01	0.01
	GUARDA-RODAS	N	-71.493	-71.493	-71.493
		Vy	-0.004	-0.004	-0.004
		Vz	-21.682	-21.682	-21.682
		Mt	0.00	0.00	0.00
		My	1.15	3.86	6.57
		Mz	0.01	0.01	0.01
	Vento 0	N	3.626	3.626	3.626
		Vy	-4.068	-4.180	-4.293
		Vz	-4.653	-4.653	-4.653
		Mt	0.09	0.09	0.09
		My	-0.42	0.16	0.74
		Mz	-1.23	-0.72	-0.19
	Vento 180	N	-7.022	-7.022	-7.022
		Vy	0.150	0.150	0.150
		Vz	2.306	2.306	2.306
		Mt	-0.11	-0.11	-0.11
		My	-0.17	-0.46	-0.75

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mz	1.70	1.69	1.67
	Multidão - Passeio	N	-92.785	-92.785	-92.785
		Vy	-0.005	-0.005	-0.005
		Vz	-28.137	-28.137	-28.137
		Mt	0.00	0.00	0.00
		My	1.50	5.01	8.53
		Mz	0.01	0.01	0.01
	Multidão - TB450	N	-302.704	-302.704	-302.704
		Vy	-0.016	-0.016	-0.016
		Vz	-91.812	-91.812	-91.812
		Mt	0.00	0.00	0.00
		My	4.89	16.37	27.84
		Mz	0.02	0.02	0.03
	TB-450 - A1	N	-62.562	-62.562	-62.562
		Vy	0.001	0.001	0.001
		Vz	24.255	24.255	24.255
		Mt	0.00	0.00	0.00
		My	8.92	5.89	2.86
		Mz	0.03	0.03	0.03
	TB-450 - A2	N	-26.338	-26.338	-26.338
		Vy	-0.002	-0.002	-0.002
		Vz	10.275	10.275	10.275
		Mt	0.00	0.00	0.00
		My	3.77	2.49	1.21
		Mz	-0.02	-0.02	-0.02
	TB-450 - B1	N	-172.574	-172.574	-172.574
		Vy	-0.003	-0.003	-0.003
		Vz	6.061	6.061	6.061
		Mt	0.00	0.00	0.00
		My	30.76	30.00	29.24
		Mz	0.08	0.08	0.08
	TB-450 - B2	N	-72.588	-72.588	-72.588
		Vy	-0.003	-0.003	-0.003
		Vz	2.599	2.599	2.599
		Mt	0.00	0.00	0.00
		My	13.02	12.70	12.37
		Mz	-0.06	-0.06	-0.06
	TB-450 - C1	N	-185.504	-185.504	-185.504
		Vy	-0.015	-0.015	-0.015
		Vz	-109.287	-109.287	-109.287
		Mt	0.00	0.00	0.00
		My	-11.20	2.46	16.12
		Mz	0.07	0.08	0.08
	TB-450 - C2	N	-77.986	-77.986	-77.986
		Vy	-0.006	-0.006	-0.006
		Vz	-46.117	-46.117	-46.117
		Mt	-0.01	-0.01	-0.01
		My	-4.70	1.07	6.83
		Mz	-0.05	-0.05	-0.05

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
	TB-450 - D1	N	-114.837	-114.837	-114.837
		Vy	-0.010	-0.010	-0.010
		Vz	-70.950	-70.950	-70.950
		Mt	0.00	0.00	0.00
		My	-14.31	-5.44	3.43
		Mz	0.05	0.05	0.05
	TB-450 - D2	N	-48.267	-48.267	-48.267
		Vy	-0.004	-0.004	-0.004
		Vz	-29.941	-29.941	-29.941
		Mt	0.00	0.00	0.00
		My	-6.03	-2.28	1.46
		Mz	-0.03	-0.03	-0.03
	TB-450 - E1	N	-39.138	-39.138	-39.138
		Vy	-0.001	-0.001	-0.001
		Vz	-24.188	-24.188	-24.188
		Mt	0.00	0.00	0.00
		My	-4.96	-1.94	1.08
		Mz	0.02	0.02	0.02
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N114/N148	Peso próprio	N	-218.019	-217.986	-217.953
		Vy	-0.113	-0.113	-0.113
		Vz	-65.906	-65.675	-65.445
		Mt	0.00	0.00	0.00
		My	19.06	27.28	35.48
		Mz	-0.13	-0.12	-0.10
	LAJE	N	-530.975	-530.975	-530.975
		Vy	0.014	0.014	0.014
		Vz	-161.051	-161.051	-161.051
		Mt	0.00	0.00	0.00
		My	48.84	68.97	89.10
		Mz	0.05	0.05	0.04
	PAVIMENTAÇÃO	N	-289.737	-289.737	-289.737
		Vy	0.008	0.008	0.008
		Vz	-87.881	-87.881	-87.881
		Mt	0.00	0.00	0.00
		My	26.65	37.63	48.62
		Mz	0.03	0.02	0.02
	RECAPEAMENTO	N	-131.699	-131.699	-131.699
		Vy	0.004	0.004	0.004
		Vz	-39.946	-39.946	-39.946

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mt	0.00	0.00	0.00
		My	12.11	17.11	22.10
		Mz	0.01	0.01	0.01
	GUARDA-RODAS	N	-71.488	-71.488	-71.488
		Vy	0.002	0.002	0.002
		Vz	-21.682	-21.682	-21.682
		Mt	0.00	0.00	0.00
		My	6.57	9.28	12.00
		Mz	0.01	0.01	0.01
	Vento 0	N	6.997	6.997	6.997
		Vy	-1.063	-1.175	-1.288
		Vz	-4.653	-4.653	-4.653
		Mt	0.09	0.09	0.09
		My	0.74	1.32	1.91
		Mz	-0.19	-0.05	0.11
	Vento 180	N	-8.984	-8.984	-8.984
		Vy	4.550	4.550	4.550
		Vz	2.306	2.306	2.306
		Mt	-0.11	-0.11	-0.11
		My	-0.75	-1.03	-1.32
		Mz	1.67	1.10	0.53
	Multidão - Passeio	N	-92.778	-92.778	-92.778
		Vy	0.002	0.002	0.002
		Vz	-28.137	-28.137	-28.137
		Mt	0.00	0.00	0.00
		My	8.53	12.05	15.57
		Mz	0.01	0.01	0.01
	Multidão - TB450	N	-302.680	-302.680	-302.680
		Vy	0.008	0.008	0.008
		Vz	-91.812	-91.812	-91.812
		Mt	0.00	0.00	0.00
		My	27.84	39.32	50.80
		Mz	0.03	0.03	0.02
	TB-450 - A1	N	-62.591	-62.591	-62.591
		Vy	0.029	0.029	0.029
		Vz	24.255	24.255	24.255
		Mt	0.00	0.00	0.00
		My	2.86	-0.18	-3.21
		Mz	0.03	0.02	0.02
	TB-450 - A2	N	-26.393	-26.393	-26.393
		Vy	-0.026	-0.026	-0.026
		Vz	10.275	10.275	10.275
		Mt	0.00	0.00	0.00
		My	1.21	-0.08	-1.36
		Mz	-0.02	-0.02	-0.02
	TB-450 - B1	N	-172.564	-172.564	-172.564
		Vy	0.069	0.069	0.069
		Vz	6.061	6.061	6.061
		Mt	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		My	29.24	28.49	27.73
		Mz	0.08	0.07	0.06
	TB-450 - B2	N	-72.691	-72.691	-72.691
		Vy	-0.061	-0.061	-0.061
		Vz	2.599	2.599	2.599
		Mt	0.00	0.00	0.00
		My	12.37	12.05	11.72
		Mz	-0.06	-0.05	-0.04
	TB-450 - C1	N	-185.381	-185.381	-185.381
		Vy	0.090	0.090	0.090
		Vz	-109.287	-109.287	-109.287
		Mt	0.00	0.00	0.00
		My	16.12	29.78	43.44
		Mz	0.08	0.07	0.05
	TB-450 - C2	N	-77.991	-77.991	-77.991
		Vy	-0.082	-0.082	-0.082
		Vz	-46.117	-46.117	-46.117
		Mt	-0.01	-0.01	-0.01
		My	6.83	12.60	18.36
		Mz	-0.05	-0.04	-0.03
	TB-450 - D1	N	-114.738	-114.738	-114.738
		Vy	0.052	0.052	0.052
		Vz	-70.950	-70.950	-70.950
		Mt	0.00	0.00	0.00
		My	3.43	12.29	21.16
		Mz	0.05	0.04	0.04
	TB-450 - D2	N	-48.224	-48.224	-48.224
		Vy	-0.049	-0.049	-0.049
		Vz	-29.941	-29.941	-29.941
		Mt	0.00	0.00	0.00
		My	1.46	5.20	8.94
		Mz	-0.03	-0.03	-0.02
	TB-450 - E1	N	-39.106	-39.106	-39.106
		Vy	0.016	0.016	0.016
		Vz	-24.188	-24.188	-24.188
		Mt	0.00	0.00	0.00
		My	1.08	4.11	7.13
		Mz	0.02	0.02	0.01
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações								
Barra	Hipótese	Esforço	Posições na barra					
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N148/N119	Peso próprio	N	-220.652	-220.605	-220.558	-220.511	-220.465	-220.418	-220.371

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Vy	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113
		Vz	2.827	3.154	3.481	3.808	4.134	4.461	4.788
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	24.78	24.25	23.66	23.02	22.31	21.55	20.73
		Mz	-0.10	-0.08	-0.06	-0.04	-0.02	0.00	0.02
	LAJE	N	-538.437	-538.437	-538.437	-538.437	-538.437	-538.437	-538.437
		Vy	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Vz	10.790	10.790	10.790	10.790	10.790	10.790	10.790
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	62.57	60.66	58.75	56.83	54.92	53.01	51.10
		Mz	0.04	0.04	0.04	0.04	0.03	0.03	0.03
	PAVIMENTAÇÃO	N	-293.809	-293.809	-293.809	-293.809	-293.809	-293.809	-293.809
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	5.888	5.888	5.888	5.888	5.888	5.888	5.888
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	34.14	33.10	32.06	31.01	29.97	28.93	27.88
		Mz	0.02	0.02	0.02	0.02	0.02	0.02	0.02
	RECAPEAMENTO	N	-133.550	-133.550	-133.550	-133.550	-133.550	-133.550	-133.550
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	2.676	2.676	2.676	2.676	2.676	2.676	2.676
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	15.52	15.05	14.57	14.10	13.62	13.15	12.67
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	GUARDA-RODAS	N	-72.492	-72.492	-72.492	-72.492	-72.492	-72.492	-72.492
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	1.453	1.453	1.453	1.453	1.453	1.453	1.453
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.42	8.17	7.91	7.65	7.39	7.14	6.88
		Mz	0.01	0.01	0.01	0.00	0.00	0.00	0.00
	Vento 0	N	6.766	6.766	6.766	6.766	6.766	6.766	6.766
		Vy	-4.054	-4.214	-4.373	-4.533	-4.692	-4.852	-5.011
		Vz	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065
		Mt	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		My	1.11	1.12	1.14	1.15	1.16	1.17	1.18
		Mz	0.07	0.81	1.57	2.36	3.17	4.02	4.89
	Vento 180	N	-8.898	-8.898	-8.898	-8.898	-8.898	-8.898	-8.898
		Vy	4.589	4.589	4.589	4.589	4.589	4.589	4.589
		Vz	0.157	0.157	0.157	0.157	0.157	0.157	0.157
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	-1.00	-1.03	-1.06	-1.09	-1.12	-1.14	-1.17
		Mz	0.55	-0.26	-1.07	-1.89	-2.70	-3.51	-4.32
	Multidão - Passeio	N	-94.082	-94.082	-94.082	-94.082	-94.082	-94.082	-94.082
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	1.887	1.887	1.887	1.887	1.887	1.887	1.887
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	10.93	10.60	10.26	9.93	9.59	9.26	8.92
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	Multidão - TB450	N	-306.934	-306.934	-306.934	-306.934	-306.934	-306.934	-306.934
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	6.148	6.148	6.148	6.148	6.148	6.148	6.148
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	35.67	34.58	33.49	32.40	31.31	30.22	29.13

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Mz	0.02	0.02	0.02	0.02	0.02	0.02	0.02
	TB-450 - A1	N	-61.061	-61.061	-61.061	-61.061	-61.061	-61.061	-61.061
		Vy	0.028	0.028	0.028	0.028	0.028	0.028	0.028
		Vz	-0.209	-0.209	-0.209	-0.209	-0.209	-0.209	-0.209
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.76	1.80	1.84	1.87	1.91	1.95	1.98
		Mz	0.02	0.02	0.01	0.01	0.00	0.00	-0.01
	TB-450 - A2	N	-25.745	-25.745	-25.745	-25.745	-25.745	-25.745	-25.745
		Vy	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
		Vz	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.74	0.76	0.77	0.79	0.81	0.82	0.84
		Mz	-0.01	-0.01	-0.01	0.00	0.00	0.01	0.01
	TB-450 - B1	N	-171.197	-171.197	-171.197	-171.197	-171.197	-171.197	-171.197
		Vy	0.072	0.072	0.072	0.072	0.072	0.072	0.072
		Vz	5.558	5.558	5.558	5.558	5.558	5.558	5.558
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	30.93	29.94	28.96	27.97	26.99	26.00	25.02
		Mz	0.06	0.05	0.03	0.02	0.01	-0.01	-0.02
	TB-450 - B2	N	-72.110	-72.110	-72.110	-72.110	-72.110	-72.110	-72.110
		Vy	-0.064	-0.064	-0.064	-0.064	-0.064	-0.064	-0.064
		Vz	2.342	2.342	2.342	2.342	2.342	2.342	2.342
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.08	12.67	12.25	11.84	11.42	11.01	10.59
		Mz	-0.04	-0.03	-0.02	-0.01	0.00	0.02	0.03
	TB-450 - C1	N	-190.610	-190.610	-190.610	-190.610	-190.610	-190.610	-190.610
		Vy	0.092	0.092	0.092	0.092	0.092	0.092	0.092
		Vz	0.459	0.459	0.459	0.459	0.459	0.459	0.459
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.49	25.41	25.33	25.24	25.16	25.08	25.00
		Mz	0.05	0.04	0.02	0.00	-0.01	-0.03	-0.04
	TB-450 - C2	N	-80.196	-80.196	-80.196	-80.196	-80.196	-80.196	-80.196
		Vy	-0.085	-0.085	-0.085	-0.085	-0.085	-0.085	-0.085
		Vz	0.186	0.186	0.186	0.186	0.186	0.186	0.186
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	10.79	10.75	10.72	10.69	10.66	10.62	10.59
		Mz	-0.03	-0.02	0.00	0.01	0.03	0.04	0.06
	TB-450 - D1	N	-119.008	-119.008	-119.008	-119.008	-119.008	-119.008	-119.008
		Vy	0.053	0.053	0.053	0.053	0.053	0.053	0.053
		Vz	4.233	4.233	4.233	4.233	4.233	4.233	4.233
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.09	6.34	5.59	4.84	4.09	3.34	2.59
		Mz	0.04	0.03	0.02	0.01	0.00	-0.01	-0.02
	TB-450 - D2	N	-50.025	-50.025	-50.025	-50.025	-50.025	-50.025	-50.025
		Vy	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
		Vz	1.782	1.782	1.782	1.782	1.782	1.782	1.782
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.01	2.69	2.37	2.06	1.74	1.43	1.11
		Mz	-0.02	-0.01	0.00	0.01	0.02	0.02	0.03
	TB-450 - E1	N	-40.574	-40.574	-40.574	-40.574	-40.574	-40.574	-40.574
		Vy	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vz	1.626	1.626	1.626	1.626	1.626	1.626	1.626

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.30	2.01	1.72	1.44	1.15	0.86	0.57
		Mz	0.01	0.01	0.01	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N119/N147	Peso próprio	N	-220.371	-220.324	-220.278	-220.231	-220.184	-220.137	-220.091
		Vy	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113	-0.113
		Vz	4.788	5.115	5.442	5.768	6.095	6.422	6.749
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	20.73	19.85	18.92	17.93	16.87	15.77	14.60
		Mz	0.02	0.04	0.06	0.08	0.10	0.12	0.14
	LAJE	N	-538.437	-538.437	-538.437	-538.437	-538.437	-538.437	-538.437
		Vy	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Vz	10.790	10.790	10.790	10.790	10.790	10.790	10.790
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	51.10	49.18	47.27	45.36	43.45	41.54	39.62
		Mz	0.03	0.03	0.02	0.02	0.02	0.02	0.02
	PAVIMENTAÇÃO	N	-293.809	-293.809	-293.809	-293.809	-293.809	-293.809	-293.809
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	5.888	5.888	5.888	5.888	5.888	5.888	5.888
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	27.88	26.84	25.80	24.75	23.71	22.67	21.62
		Mz	0.02	0.01	0.01	0.01	0.01	0.01	0.01
	RECAPEAMENTO	N	-133.550	-133.550	-133.550	-133.550	-133.550	-133.550	-133.550
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	2.676	2.676	2.676	2.676	2.676	2.676	2.676
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	12.67	12.20	11.73	11.25	10.78	10.30	9.83
		Mz	0.01	0.01	0.01	0.01	0.00	0.00	0.00
	GUARDA-RODAS	N	-72.492	-72.492	-72.492	-72.492	-72.492	-72.492	-72.492
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	1.453	1.453	1.453	1.453	1.453	1.453	1.453
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.88	6.62	6.36	6.11	5.85	5.59	5.33
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	6.766	6.766	6.766	6.766	6.766	6.766	6.766
		Vy	-5.011	-5.171	-5.330	-5.490	-5.649	-5.808	-5.968
		Vz	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065
		Mt	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		My	1.18	1.19	1.21	1.22	1.23	1.24	1.25
		Mz	4.89	5.80	6.73	7.68	8.67	9.69	10.73
	Vento 180	N	-8.898	-8.898	-8.898	-8.898	-8.898	-8.898	-8.898
		Vy	4.589	4.589	4.589	4.589	4.589	4.589	4.589

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Vz	0.157	0.157	0.157	0.157	0.157	0.157	0.157
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	-1.17	-1.20	-1.23	-1.26	-1.28	-1.31	-1.34
		Mz	-4.32	-5.14	-5.95	-6.76	-7.58	-8.39	-9.20
	Multidão - Passeio	N	-94.082	-94.082	-94.082	-94.082	-94.082	-94.082	-94.082
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	1.887	1.887	1.887	1.887	1.887	1.887	1.887
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.92	8.59	8.26	7.92	7.59	7.25	6.92
		Mz	0.01	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-306.934	-306.934	-306.934	-306.934	-306.934	-306.934	-306.934
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	6.148	6.148	6.148	6.148	6.148	6.148	6.148
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	29.13	28.04	26.95	25.86	24.77	23.69	22.60
		Mz	0.02	0.02	0.01	0.01	0.01	0.01	0.01
	TB-450 - A1	N	-61.061	-61.061	-61.061	-61.061	-61.061	-61.061	-61.061
		Vy	0.028	0.028	0.028	0.028	0.028	0.028	0.028
		Vz	-0.209	-0.209	-0.209	-0.209	-0.209	-0.209	-0.209
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.98	2.02	2.06	2.10	2.13	2.17	2.21
		Mz	-0.01	-0.01	-0.02	-0.02	-0.03	-0.03	-0.04
	TB-450 - A2	N	-25.745	-25.745	-25.745	-25.745	-25.745	-25.745	-25.745
		Vy	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
		Vz	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.84	0.85	0.87	0.88	0.90	0.92	0.93
		Mz	0.01	0.02	0.02	0.03	0.03	0.03	0.04
	TB-450 - B1	N	-171.197	-171.197	-171.197	-171.197	-171.197	-171.197	-171.197
		Vy	0.072	0.072	0.072	0.072	0.072	0.072	0.072
		Vz	5.558	5.558	5.558	5.558	5.558	5.558	5.558
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.02	24.03	23.05	22.06	21.08	20.09	19.11
		Mz	-0.02	-0.03	-0.04	-0.06	-0.07	-0.08	-0.09
	TB-450 - B2	N	-72.110	-72.110	-72.110	-72.110	-72.110	-72.110	-72.110
		Vy	-0.064	-0.064	-0.064	-0.064	-0.064	-0.064	-0.064
		Vz	2.342	2.342	2.342	2.342	2.342	2.342	2.342
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	10.59	10.18	9.76	9.35	8.93	8.52	8.10
		Mz	0.03	0.04	0.05	0.06	0.07	0.08	0.09
	TB-450 - C1	N	-190.610	-190.610	-190.610	-190.610	-190.610	-190.610	-190.610
		Vy	0.092	0.092	0.092	0.092	0.092	0.092	0.092
		Vz	0.459	0.459	0.459	0.459	0.459	0.459	0.459
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.00	24.92	24.84	24.76	24.68	24.59	24.51
		Mz	-0.04	-0.06	-0.08	-0.09	-0.11	-0.13	-0.14
	TB-450 - C2	N	-80.196	-80.196	-80.196	-80.196	-80.196	-80.196	-80.196
		Vy	-0.085	-0.085	-0.085	-0.085	-0.085	-0.085	-0.085
		Vz	0.186	0.186	0.186	0.186	0.186	0.186	0.186
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	10.59	10.56	10.52	10.49	10.46	10.43	10.39
		Mz	0.06	0.07	0.09	0.10	0.12	0.13	0.15

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
	TB-450 - D1	N	-119.008	-119.008	-119.008	-119.008	-119.008	-119.008	-119.008
		Vy	0.053	0.053	0.053	0.053	0.053	0.053	0.053
		Vz	4.233	4.233	4.233	4.233	4.233	4.233	4.233
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.59	1.84	1.09	0.34	-0.41	-1.16	-1.91
		Mz	-0.02	-0.03	-0.04	-0.05	-0.06	-0.07	-0.08
	TB-450 - D2	N	-50.025	-50.025	-50.025	-50.025	-50.025	-50.025	-50.025
		Vy	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
		Vz	1.782	1.782	1.782	1.782	1.782	1.782	1.782
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.11	0.80	0.48	0.16	-0.15	-0.47	-0.78
		Mz	0.03	0.04	0.05	0.06	0.07	0.08	0.09
	TB-450 - E1	N	-40.574	-40.574	-40.574	-40.574	-40.574	-40.574	-40.574
		Vy	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vz	1.626	1.626	1.626	1.626	1.626	1.626	1.626
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.57	0.28	0.00	-0.29	-0.58	-0.87	-1.16
		Mz	0.00	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N147/N9	Peso próprio	N	-226.578	-226.545	-226.512
		Vy	-0.112	-0.112	-0.112
		Vz	-7.696	-7.465	-7.235
		Mt	0.01	0.01	0.01
		My	8.88	9.83	10.75
		Mz	0.14	0.15	0.16
	LAJE	N	-549.162	-549.162	-549.162
		Vy	0.013	0.013	0.013
		Vz	-11.660	-11.660	-11.660
		Mt	0.00	0.00	0.00
		My	27.95	29.41	30.86
		Mz	0.02	0.01	0.01
	PAVIMENTAÇÃO	N	-299.661	-299.661	-299.661
		Vy	0.007	0.007	0.007
		Vz	-6.363	-6.363	-6.363
		Mt	0.00	0.00	0.00
		My	15.25	16.05	16.84
		Mz	0.01	0.01	0.01
	RECAPEAMENTO	N	-136.210	-136.210	-136.210
		Vy	0.003	0.003	0.003
		Vz	-2.892	-2.892	-2.892
		Mt	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		My	6.93	7.29	7.66
		Mz	0.00	0.00	0.00
	GUARDA-RODAS	N	-73.936	-73.936	-73.936
		Vy	0.002	0.002	0.002
		Vz	-1.569	-1.569	-1.569
		Mt	0.00	0.00	0.00
		My	3.76	3.96	4.15
		Mz	0.00	0.00	0.00
	Vento 0	N	6.195	6.195	6.195
		Vy	-8.768	-8.880	-8.993
		Vz	-1.639	-1.639	-1.639
		Mt	0.69	0.69	0.69
		My	0.89	1.10	1.30
		Mz	10.54	11.64	12.76
	Vento 180	N	-9.131	-9.131	-9.131
		Vy	4.571	4.571	4.571
		Vz	-0.629	-0.629	-0.629
		Mt	-0.54	-0.54	-0.54
		My	-1.42	-1.34	-1.26
		Mz	-9.04	-9.62	-10.19
	Multidão - Passeio	N	-95.955	-95.955	-95.955
		Vy	0.002	0.002	0.002
		Vz	-2.034	-2.034	-2.034
		Mt	0.00	0.00	0.00
		My	4.88	5.13	5.39
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	-313.049	-313.049	-313.049
		Vy	0.007	0.007	0.007
		Vz	-6.651	-6.651	-6.651
		Mt	0.00	0.00	0.00
		My	15.94	16.77	17.60
		Mz	0.01	0.01	0.01
	TB-450 - A1	N	-51.432	-51.432	-51.432
		Vy	0.027	0.027	0.027
		Vz	28.492	28.492	28.492
		Mt	0.00	0.00	0.00
		My	7.13	3.57	0.01
		Mz	-0.04	-0.04	-0.05
	TB-450 - A2	N	-21.662	-21.662	-21.662
		Vy	-0.024	-0.024	-0.024
		Vz	12.081	12.081	12.081
		Mt	0.00	0.00	0.00
		My	3.02	1.51	0.00
		Mz	0.04	0.04	0.04
	TB-450 - B1	N	-148.537	-148.537	-148.537
		Vy	0.072	0.072	0.072
		Vz	75.753	75.753	75.753
		Mt	0.00	0.00	0.00
		My	28.86	19.39	9.92

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mz	-0.10	-0.10	-0.11
	TB-450 - B2	N	-62.505	-62.505	-62.505
		Vy	-0.064	-0.064	-0.064
		Vz	32.094	32.094	32.094
		Mt	0.00	0.00	0.00
		My	12.24	8.23	4.21
		Mz	0.10	0.10	0.11
	TB-450 - C1	N	-204.418	-204.418	-204.418
		Vy	0.091	0.091	0.091
		Vz	-35.873	-35.873	-35.873
		Mt	0.00	0.00	0.00
		My	14.54	19.03	23.51
		Mz	-0.14	-0.15	-0.17
	TB-450 - C2	N	-85.993	-85.993	-85.993
		Vy	-0.085	-0.085	-0.085
		Vz	-15.054	-15.054	-15.054
		Mt	0.00	0.00	0.00
		My	6.20	8.08	9.96
		Mz	0.15	0.16	0.17
	TB-450 - D1	N	-141.372	-141.372	-141.372
		Vy	0.053	0.053	0.053
		Vz	-60.364	-60.364	-60.364
		Mt	0.00	0.00	0.00
		My	-14.76	-7.22	0.33
		Mz	-0.08	-0.08	-0.09
	TB-450 - D2	N	-59.451	-59.451	-59.451
		Vy	-0.050	-0.050	-0.050
		Vz	-25.441	-25.441	-25.441
		Mt	0.00	0.00	0.00
		My	-6.20	-3.02	0.16
		Mz	0.09	0.09	0.10
	TB-450 - E1	N	-48.355	-48.355	-48.355
		Vy	0.017	0.017	0.017
		Vz	-20.826	-20.826	-20.826
		Mt	0.00	0.00	0.00
		My	-5.66	-3.06	-0.46
		Mz	-0.02	-0.02	-0.03
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N8/N154	Peso próprio	N	-95.628	-95.556	-95.484
		Vy	-0.240	-0.240	-0.240

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-216.266	-215.766	-215.266
		Mt	-1.46	-1.46	-1.46
		My	-98.55	-71.55	-44.61
		Mz	-0.05	-0.02	0.01
	LAJE	N	-219.632	-219.632	-219.632
		Vy	0.137	0.137	0.137
		Vz	-514.635	-514.635	-514.635
		Mt	0.03	0.03	0.03
		My	-226.06	-161.73	-97.40
		Mz	0.47	0.45	0.43
	PAVIMENTAÇÃO	N	-119.848	-119.848	-119.848
		Vy	0.075	0.075	0.075
		Vz	-280.824	-280.824	-280.824
		Mt	0.02	0.02	0.02
		My	-123.36	-88.25	-53.15
		Mz	0.26	0.25	0.24
	RECAPEAMENTO	N	-54.476	-54.476	-54.476
		Vy	0.034	0.034	0.034
		Vz	-127.647	-127.647	-127.647
		Mt	0.01	0.01	0.01
		My	-56.07	-40.11	-24.16
		Mz	0.12	0.11	0.11
	GUARDA-RODAS	N	-29.566	-29.566	-29.566
		Vy	0.020	0.020	0.020
		Vz	-69.278	-69.278	-69.278
		Mt	0.00	0.00	0.00
		My	-30.43	-21.77	-13.11
		Mz	0.06	0.06	0.06
	Vento 0	N	-6.678	-6.678	-6.678
		Vy	-5.562	-5.675	-5.787
		Vz	-4.767	-4.767	-4.767
		Mt	-26.64	-26.64	-26.64
		My	-4.87	-4.28	-3.68
		Mz	-19.00	-18.30	-17.59
	Vento 180	N	-3.153	-3.153	-3.153
		Vy	7.649	7.649	7.649
		Vz	2.414	2.414	2.414
		Mt	21.47	21.47	21.47
		My	2.38	2.08	1.78
		Mz	16.32	15.36	14.41
	Multidão - Passeio	N	-38.366	-38.366	-38.366
		Vy	0.028	0.028	0.028
		Vz	-89.896	-89.896	-89.896
		Mt	0.01	0.01	0.01
		My	-39.49	-28.25	-17.02
		Mz	0.08	0.08	0.08
	Multidão - TB450	N	-125.217	-125.217	-125.217
		Vy	0.073	0.073	0.073
		Vz	-293.405	-293.405	-293.405

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mt	0.02	0.02	0.02
		My	-128.88	-92.20	-55.53
		Mz	0.27	0.26	0.25
	TB-450 - A1	N	-65.014	-65.014	-65.014
		Vy	-0.022	-0.022	-0.022
		Vz	-150.600	-150.600	-150.600
		Mt	0.03	0.03	0.03
		My	-61.26	-42.44	-23.61
		Mz	0.00	0.00	0.01
	TB-450 - A2	N	-27.415	-27.415	-27.415
		Vy	0.039	0.039	0.039
		Vz	-63.571	-63.571	-63.571
		Mt	-0.03	-0.03	-0.03
		My	-25.84	-17.89	-9.94
		Mz	0.10	0.10	0.09
	TB-450 - B1	N	-75.348	-75.348	-75.348
		Vy	-0.037	-0.037	-0.037
		Vz	-177.305	-177.305	-177.305
		Mt	-0.07	-0.07	-0.07
		My	-79.38	-57.22	-35.05
		Mz	0.00	0.00	0.01
	TB-450 - B2	N	-31.660	-31.660	-31.660
		Vy	0.097	0.097	0.097
		Vz	-74.862	-74.862	-74.862
		Mt	0.08	0.08	0.08
		My	-33.30	-23.94	-14.59
		Mz	0.22	0.20	0.19
	TB-450 - C1	N	-53.864	-53.864	-53.864
		Vy	-0.038	-0.038	-0.038
		Vz	-126.322	-126.322	-126.322
		Mt	-0.08	-0.08	-0.08
		My	-57.60	-41.81	-26.02
		Mz	-0.02	-0.01	-0.01
	TB-450 - C2	N	-22.580	-22.580	-22.580
		Vy	0.096	0.096	0.096
		Vz	-53.340	-53.340	-53.340
		Mt	0.09	0.09	0.09
		My	-24.09	-17.42	-10.75
		Mz	0.22	0.21	0.20
	TB-450 - D1	N	-32.445	-32.445	-32.445
		Vy	-0.016	-0.016	-0.016
		Vz	-76.108	-76.108	-76.108
		Mt	-0.04	-0.04	-0.04
		My	-34.71	-25.20	-15.68
		Mz	0.01	0.01	0.01
	TB-450 - D2	N	-13.607	-13.607	-13.607
		Vy	0.058	0.058	0.058
		Vz	-32.135	-32.135	-32.135
		Mt	0.06	0.06	0.06

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		My	-14.53	-10.51	-6.49
		Mz	0.14	0.13	0.12
	TB-450 - E1	N	-11.027	-11.027	-11.027
		Vy	0.005	0.005	0.005
		Vz	-25.850	-25.850	-25.850
		Mt	0.00	0.00	0.00
		My	-11.81	-8.58	-5.35
		Mz	0.01	0.01	0.01
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N154/N116	Peso próprio	N	-111.411	-111.309	-111.208	-111.106	-111.005	-110.903	-110.802
		Vy	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		Vz	-34.793	-34.084	-33.375	-32.665	-31.956	-31.247	-30.538
		Mt	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06
		My	-92.78	-86.68	-80.70	-74.85	-69.12	-63.52	-58.05
		Mz	0.00	0.00	0.01	0.01	0.01	0.01	0.02
	LAJE	N	-261.273	-261.273	-261.273	-261.273	-261.273	-261.273	-261.273
		Vy	0.156	0.156	0.156	0.156	0.156	0.156	0.156
		Vz	-70.586	-70.586	-70.586	-70.586	-70.586	-70.586	-70.586
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-217.89	-205.38	-192.87	-180.37	-167.86	-155.35	-142.84
		Mz	0.43	0.41	0.38	0.35	0.32	0.30	0.27
	PAVIMENTAÇÃO	N	-142.570	-142.570	-142.570	-142.570	-142.570	-142.570	-142.570
		Vy	0.085	0.085	0.085	0.085	0.085	0.085	0.085
		Vz	-38.517	-38.517	-38.517	-38.517	-38.517	-38.517	-38.517
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-118.90	-112.07	-105.25	-98.42	-91.59	-84.77	-77.94
		Mz	0.24	0.22	0.21	0.19	0.18	0.16	0.15
	RECAPEAMENTO	N	-64.805	-64.805	-64.805	-64.805	-64.805	-64.805	-64.805
		Vy	0.039	0.039	0.039	0.039	0.039	0.039	0.039
		Vz	-17.508	-17.508	-17.508	-17.508	-17.508	-17.508	-17.508
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-54.04	-50.94	-47.84	-44.74	-41.63	-38.53	-35.43
		Mz	0.11	0.10	0.09	0.09	0.08	0.07	0.07
	GUARDA-RODAS	N	-35.173	-35.173	-35.173	-35.173	-35.173	-35.173	-35.173
		Vy	0.021	0.021	0.021	0.021	0.021	0.021	0.021
		Vz	-9.501	-9.501	-9.501	-9.501	-9.501	-9.501	-9.501
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-29.34	-27.65	-25.97	-24.28	-22.60	-20.92	-19.23
		Mz	0.06	0.05	0.05	0.05	0.04	0.04	0.04
	Vento 0	N	-7.104	-7.104	-7.104	-7.104	-7.104	-7.104	-7.104
		Vy	-4.377	-4.536	-4.696	-4.855	-5.015	-5.174	-5.334

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Vz	-1.569	-1.569	-1.569	-1.569	-1.569	-1.569	-1.569
		Mt	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18
		My	-4.46	-4.19	-3.91	-3.63	-3.35	-3.07	-2.80
		Mz	-18.04	-17.25	-16.43	-15.59	-14.71	-13.81	-12.88
	Vento 180	N	-2.911	-2.911	-2.911	-2.911	-2.911	-2.911	-2.911
		Vy	4.303	4.303	4.303	4.303	4.303	4.303	4.303
		Vz	0.869	0.869	0.869	0.869	0.869	0.869	0.869
		Mt	0.65	0.65	0.65	0.65	0.65	0.65	0.65
		My	2.19	2.04	1.88	1.73	1.58	1.42	1.27
		Mz	14.83	14.07	13.31	12.54	11.78	11.02	10.26
	Multidão - Passeio	N	-45.642	-45.642	-45.642	-45.642	-45.642	-45.642	-45.642
		Vy	0.027	0.027	0.027	0.027	0.027	0.027	0.027
		Vz	-12.327	-12.327	-12.327	-12.327	-12.327	-12.327	-12.327
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-38.07	-35.89	-33.70	-31.52	-29.33	-27.15	-24.96
		Mz	0.08	0.07	0.07	0.06	0.06	0.05	0.05
	Multidão - TB450	N	-148.953	-148.953	-148.953	-148.953	-148.953	-148.953	-148.953
		Vy	0.089	0.089	0.089	0.089	0.089	0.089	0.089
		Vz	-40.246	-40.246	-40.246	-40.246	-40.246	-40.246	-40.246
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-124.21	-117.08	-109.95	-102.81	-95.68	-88.55	-81.42
		Mz	0.25	0.23	0.22	0.20	0.19	0.17	0.15
	TB-450 - A1	N	-71.268	-71.268	-71.268	-71.268	-71.268	-71.268	-71.268
		Vy	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		Vz	-24.076	-24.076	-24.076	-24.076	-24.076	-24.076	-24.076
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-40.64	-36.38	-32.11	-27.84	-23.58	-19.31	-15.04
		Mz	0.00	0.00	0.00	0.01	0.01	0.01	0.01
	TB-450 - A2	N	-30.059	-30.059	-30.059	-30.059	-30.059	-30.059	-30.059
		Vy	0.047	0.047	0.047	0.047	0.047	0.047	0.047
		Vz	-10.159	-10.159	-10.159	-10.159	-10.159	-10.159	-10.159
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-17.15	-15.35	-13.55	-11.75	-9.95	-8.15	-6.35
		Mz	0.10	0.09	0.08	0.07	0.06	0.06	0.05
	TB-450 - B1	N	-91.778	-91.778	-91.778	-91.778	-91.778	-91.778	-91.778
		Vy	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018
		Vz	-25.450	-25.450	-25.450	-25.450	-25.450	-25.450	-25.450
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-82.89	-78.38	-73.87	-69.36	-64.85	-60.34	-55.83
		Mz	0.00	0.01	0.01	0.01	0.01	0.02	0.02
	TB-450 - B2	N	-38.605	-38.605	-38.605	-38.605	-38.605	-38.605	-38.605
		Vy	0.090	0.090	0.090	0.090	0.090	0.090	0.090
		Vz	-10.689	-10.689	-10.689	-10.689	-10.689	-10.689	-10.689
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-34.83	-32.93	-31.04	-29.15	-27.25	-25.36	-23.46
		Mz	0.20	0.18	0.17	0.15	0.13	0.12	0.10
	TB-450 - C1	N	-66.185	-66.185	-66.185	-66.185	-66.185	-66.185	-66.185
		Vy	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018
		Vz	-14.923	-14.923	-14.923	-14.923	-14.923	-14.923	-14.923
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-62.07	-59.43	-56.78	-54.14	-51.49	-48.85	-46.20
		Mz	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.01

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
	TB-450 - C2	N	-27.788	-27.788	-27.788	-27.788	-27.788	-27.788	-27.788
		Vy	0.087	0.087	0.087	0.087	0.087	0.087	0.087
		Vz	-6.241	-6.241	-6.241	-6.241	-6.241	-6.241	-6.241
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-26.01	-24.91	-23.80	-22.70	-21.59	-20.48	-19.38
		Mz	0.21	0.19	0.18	0.16	0.14	0.13	0.11
	TB-450 - D1	N	-39.885	-39.885	-39.885	-39.885	-39.885	-39.885	-39.885
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-8.929	-8.929	-8.929	-8.929	-8.929	-8.929	-8.929
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-37.45	-35.87	-34.29	-32.71	-31.12	-29.54	-27.96
		Mz	0.01	0.01	0.01	0.01	0.01	0.02	0.02
	TB-450 - D2	N	-16.751	-16.751	-16.751	-16.751	-16.751	-16.751	-16.751
		Vy	0.053	0.053	0.053	0.053	0.053	0.053	0.053
		Vz	-3.737	-3.737	-3.737	-3.737	-3.737	-3.737	-3.737
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-15.70	-15.04	-14.38	-13.72	-13.05	-12.39	-11.73
		Mz	0.12	0.12	0.11	0.10	0.09	0.08	0.07
	TB-450 - E1	N	-13.560	-13.560	-13.560	-13.560	-13.560	-13.560	-13.560
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-3.032	-3.032	-3.032	-3.032	-3.032	-3.032	-3.032
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-12.76	-12.23	-11.69	-11.15	-10.61	-10.08	-9.54
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N116/N153	Peso próprio	N	-110.802	-110.701	-110.599	-110.498	-110.396	-110.295	-110.193
		Vy	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		Vz	-30.538	-29.828	-29.119	-28.410	-27.701	-26.992	-26.282
		Mt	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06
		My	-58.05	-52.70	-47.48	-42.38	-37.41	-32.56	-27.84
		Mz	0.02	0.02	0.02	0.02	0.03	0.03	0.03
	LAJE	N	-261.273	-261.273	-261.273	-261.273	-261.273	-261.273	-261.273
		Vy	0.156	0.156	0.156	0.156	0.156	0.156	0.156
		Vz	-70.586	-70.586	-70.586	-70.586	-70.586	-70.586	-70.586
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-142.84	-130.33	-117.82	-105.32	-92.81	-80.30	-67.79
		Mz	0.27	0.24	0.21	0.19	0.16	0.13	0.10
	PAVIMENTAÇÃO	N	-142.570	-142.570	-142.570	-142.570	-142.570	-142.570	-142.570
		Vy	0.085	0.085	0.085	0.085	0.085	0.085	0.085
		Vz	-38.517	-38.517	-38.517	-38.517	-38.517	-38.517	-38.517
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-77.94	-71.12	-64.29	-57.47	-50.64	-43.82	-36.99

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Mz	0.15	0.13	0.12	0.10	0.09	0.07	0.06
	RECAPEAMENTO	N	-64.805	-64.805	-64.805	-64.805	-64.805	-64.805	-64.805
		Vy	0.039	0.039	0.039	0.039	0.039	0.039	0.039
		Vz	-17.508	-17.508	-17.508	-17.508	-17.508	-17.508	-17.508
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-35.43	-32.33	-29.22	-26.12	-23.02	-19.92	-16.81
		Mz	0.07	0.06	0.05	0.05	0.04	0.03	0.03
	GUARDA-RODAS	N	-35.173	-35.173	-35.173	-35.173	-35.173	-35.173	-35.173
		Vy	0.021	0.021	0.021	0.021	0.021	0.021	0.021
		Vz	-9.501	-9.501	-9.501	-9.501	-9.501	-9.501	-9.501
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-19.23	-17.55	-15.87	-14.18	-12.50	-10.81	-9.13
		Mz	0.04	0.03	0.03	0.02	0.02	0.02	0.01
	Vento 0	N	-7.104	-7.104	-7.104	-7.104	-7.104	-7.104	-7.104
		Vy	-5.334	-5.493	-5.653	-5.812	-5.972	-6.131	-6.291
		Vz	-1.569	-1.569	-1.569	-1.569	-1.569	-1.569	-1.569
		Mt	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18
		My	-2.80	-2.52	-2.24	-1.96	-1.68	-1.41	-1.13
		Mz	-12.88	-11.92	-10.93	-9.92	-8.87	-7.80	-6.70
	Vento 180	N	-2.911	-2.911	-2.911	-2.911	-2.911	-2.911	-2.911
		Vy	4.303	4.303	4.303	4.303	4.303	4.303	4.303
		Vz	0.869	0.869	0.869	0.869	0.869	0.869	0.869
		Mt	0.65	0.65	0.65	0.65	0.65	0.65	0.65
		My	1.27	1.11	0.96	0.81	0.65	0.50	0.34
		Mz	10.26	9.50	8.73	7.97	7.21	6.45	5.68
	Multidão - Passeio	N	-45.642	-45.642	-45.642	-45.642	-45.642	-45.642	-45.642
		Vy	0.027	0.027	0.027	0.027	0.027	0.027	0.027
		Vz	-12.327	-12.327	-12.327	-12.327	-12.327	-12.327	-12.327
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-24.96	-22.78	-20.59	-18.41	-16.23	-14.04	-11.86
		Mz	0.05	0.04	0.04	0.03	0.03	0.02	0.02
	Multidão - TB450	N	-148.953	-148.953	-148.953	-148.953	-148.953	-148.953	-148.953
		Vy	0.089	0.089	0.089	0.089	0.089	0.089	0.089
		Vz	-40.246	-40.246	-40.246	-40.246	-40.246	-40.246	-40.246
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-81.42	-74.29	-67.16	-60.02	-52.89	-45.76	-38.63
		Mz	0.15	0.14	0.12	0.11	0.09	0.08	0.06
	TB-450 - A1	N	-71.268	-71.268	-71.268	-71.268	-71.268	-71.268	-71.268
		Vy	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		Vz	-24.076	-24.076	-24.076	-24.076	-24.076	-24.076	-24.076
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-15.04	-10.78	-6.51	-2.25	2.02	6.29	10.55
		Mz	0.01	0.01	0.02	0.02	0.02	0.02	0.03
	TB-450 - A2	N	-30.059	-30.059	-30.059	-30.059	-30.059	-30.059	-30.059
		Vy	0.047	0.047	0.047	0.047	0.047	0.047	0.047
		Vz	-10.159	-10.159	-10.159	-10.159	-10.159	-10.159	-10.159
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-6.35	-4.55	-2.75	-0.94	0.86	2.66	4.46
		Mz	0.05	0.04	0.03	0.02	0.01	0.01	0.00
	TB-450 - B1	N	-91.778	-91.778	-91.778	-91.778	-91.778	-91.778	-91.778
		Vy	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018
		Vz	-25.450	-25.450	-25.450	-25.450	-25.450	-25.450	-25.450

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-55.83	-51.32	-46.81	-42.30	-37.79	-33.28	-28.77
		Mz	0.02	0.02	0.03	0.03	0.03	0.04	0.04
	TB-450 - B2	N	-38.605	-38.605	-38.605	-38.605	-38.605	-38.605	-38.605
		Vy	0.090	0.090	0.090	0.090	0.090	0.090	0.090
		Vz	-10.689	-10.689	-10.689	-10.689	-10.689	-10.689	-10.689
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-23.46	-21.57	-19.67	-17.78	-15.89	-13.99	-12.10
		Mz	0.10	0.09	0.07	0.05	0.04	0.02	0.01
	TB-450 - C1	N	-66.185	-66.185	-66.185	-66.185	-66.185	-66.185	-66.185
		Vy	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018
		Vz	-14.923	-14.923	-14.923	-14.923	-14.923	-14.923	-14.923
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-46.20	-43.56	-40.91	-38.27	-35.63	-32.98	-30.34
		Mz	0.01	0.01	0.01	0.02	0.02	0.02	0.03
	TB-450 - C2	N	-27.788	-27.788	-27.788	-27.788	-27.788	-27.788	-27.788
		Vy	0.087	0.087	0.087	0.087	0.087	0.087	0.087
		Vz	-6.241	-6.241	-6.241	-6.241	-6.241	-6.241	-6.241
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-19.38	-18.27	-17.17	-16.06	-14.95	-13.85	-12.74
		Mz	0.11	0.10	0.08	0.07	0.05	0.04	0.02
	TB-450 - D1	N	-39.885	-39.885	-39.885	-39.885	-39.885	-39.885	-39.885
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-8.929	-8.929	-8.929	-8.929	-8.929	-8.929	-8.929
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-27.96	-26.38	-24.80	-23.21	-21.63	-20.05	-18.47
		Mz	0.02	0.02	0.02	0.02	0.02	0.02	0.02
	TB-450 - D2	N	-16.751	-16.751	-16.751	-16.751	-16.751	-16.751	-16.751
		Vy	0.053	0.053	0.053	0.053	0.053	0.053	0.053
		Vz	-3.737	-3.737	-3.737	-3.737	-3.737	-3.737	-3.737
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-11.73	-11.07	-10.41	-9.74	-9.08	-8.42	-7.76
		Mz	0.07	0.06	0.05	0.04	0.03	0.02	0.01
	TB-450 - E1	N	-13.560	-13.560	-13.560	-13.560	-13.560	-13.560	-13.560
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-3.032	-3.032	-3.032	-3.032	-3.032	-3.032	-3.032
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-9.54	-9.00	-8.46	-7.93	-7.39	-6.85	-6.32
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N153/N115	Peso próprio	N	-149.638	-149.567	-149.495
		Vy	-0.008	-0.008	-0.008

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-142.879	-142.379	-141.878
		Mt	-0.01	-0.01	-0.01
		My	-47.66	-29.83	-12.07
		Mz	0.02	0.02	0.02
	LAJE	N	-353.690	-353.690	-353.690
		Vy	0.179	0.179	0.179
		Vz	-345.765	-345.765	-345.765
		Mt	0.00	0.00	0.00
		My	-114.90	-71.68	-28.46
		Mz	0.10	0.08	0.06
	PAVIMENTAÇÃO	N	-192.999	-192.999	-192.999
		Vy	0.098	0.098	0.098
		Vz	-188.673	-188.673	-188.673
		Mt	0.00	0.00	0.00
		My	-62.70	-39.11	-15.53
		Mz	0.05	0.04	0.03
	RECAPEAMENTO	N	-87.727	-87.727	-87.727
		Vy	0.044	0.044	0.044
		Vz	-85.761	-85.761	-85.761
		Mt	0.00	0.00	0.00
		My	-28.50	-17.78	-7.06
		Mz	0.02	0.02	0.01
	GUARDA-RODAS	N	-47.616	-47.616	-47.616
		Vy	0.023	0.023	0.023
		Vz	-46.554	-46.554	-46.554
		Mt	0.00	0.00	0.00
		My	-15.47	-9.65	-3.84
		Mz	0.01	0.01	0.01
	Vento 0	N	-7.973	-7.973	-7.973
		Vy	-9.233	-9.345	-9.458
		Vz	-4.007	-4.007	-4.007
		Mt	0.01	0.01	0.01
		My	-1.67	-1.17	-0.67
		Mz	-6.78	-5.62	-4.44
	Vento 180	N	-2.566	-2.566	-2.566
		Vy	4.349	4.349	4.349
		Vz	1.775	1.775	1.775
		Mt	0.00	0.00	0.00
		My	0.60	0.38	0.16
		Mz	5.90	5.36	4.81
	Multidão - Passeio	N	-61.793	-61.793	-61.793
		Vy	0.028	0.028	0.028
		Vz	-60.423	-60.423	-60.423
		Mt	0.00	0.00	0.00
		My	-20.09	-12.54	-4.98
		Mz	0.02	0.01	0.01
	Multidão - TB450	N	-201.630	-201.630	-201.630
		Vy	0.106	0.106	0.106
		Vz	-197.093	-197.093	-197.093

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mt	0.00	0.00	0.00
		My	-65.48	-40.85	-16.21
		Mz	0.06	0.04	0.03
	TB-450 - A1	N	-75.502	-75.502	-75.502
		Vy	-0.003	-0.003	-0.003
		Vz	-32.271	-32.271	-32.271
		Mt	0.01	0.01	0.01
		My	4.92	8.96	12.99
		Mz	0.02	0.02	0.02
	TB-450 - A2	N	-31.857	-31.857	-31.857
		Vy	0.053	0.053	0.053
		Vz	-13.654	-13.654	-13.654
		Mt	-0.01	-0.01	-0.01
		My	2.08	3.78	5.49
		Mz	0.00	-0.01	-0.01
	TB-450 - B1	N	-131.391	-131.391	-131.391
		Vy	-0.012	-0.012	-0.012
		Vz	-145.114	-145.114	-145.114
		Mt	0.00	0.00	0.00
		My	-47.50	-29.36	-11.22
		Mz	0.04	0.04	0.04
	TB-450 - B2	N	-55.330	-55.330	-55.330
		Vy	0.097	0.097	0.097
		Vz	-61.218	-61.218	-61.218
		Mt	0.00	0.00	0.00
		My	-20.00	-12.35	-4.70
		Mz	0.01	0.00	-0.02
	TB-450 - C1	N	-97.119	-97.119	-97.119
		Vy	-0.014	-0.014	-0.014
		Vz	-108.509	-108.509	-108.509
		Mt	0.01	0.01	0.01
		My	-45.00	-31.44	-17.87
		Mz	0.02	0.03	0.03
	TB-450 - C2	N	-40.839	-40.839	-40.839
		Vy	0.095	0.095	0.095
		Vz	-45.728	-45.728	-45.728
		Mt	0.00	0.00	0.00
		My	-18.93	-13.21	-7.50
		Mz	0.02	0.01	0.00
	TB-450 - D1	N	-58.581	-58.581	-58.581
		Vy	-0.001	-0.001	-0.001
		Vz	-65.492	-65.492	-65.492
		Mt	0.00	0.00	0.00
		My	-27.33	-19.14	-10.96
		Mz	0.02	0.02	0.02
	TB-450 - D2	N	-24.636	-24.636	-24.636
		Vy	0.057	0.057	0.057
		Vz	-27.594	-27.594	-27.594
		Mt	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		My	-11.49	-8.04	-4.60
		Mz	0.01	0.01	0.00
	TB-450 - E1	N	-19.938	-19.938	-19.938
		Vy	-0.002	-0.002	-0.002
		Vz	-22.331	-22.331	-22.331
		Mt	0.00	0.00	0.00
		My	-9.34	-6.55	-3.75
		Mz	0.01	0.01	0.01
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N4/N187	Peso próprio	N	-101.935	-101.863	-101.792
		Vy	0.257	0.257	0.257
		Vz	-230.965	-230.465	-229.965
		Mt	1.45	1.45	1.45
		My	-105.32	-76.49	-47.71
		Mz	0.09	0.05	0.02
	LAJE	N	-219.672	-219.672	-219.672
		Vy	-0.114	-0.114	-0.114
		Vz	-514.657	-514.657	-514.657
		Mt	0.01	0.01	0.01
		My	-226.11	-161.78	-97.45
		Mz	-0.42	-0.41	-0.39
	PAVIMENTAÇÃO	N	-119.870	-119.870	-119.870
		Vy	-0.062	-0.062	-0.062
		Vz	-280.836	-280.836	-280.836
		Mt	0.01	0.01	0.01
		My	-123.38	-88.28	-53.17
		Mz	-0.23	-0.22	-0.21
	RECAPEAMENTO	N	-54.486	-54.486	-54.486
		Vy	-0.028	-0.028	-0.028
		Vz	-127.653	-127.653	-127.653
		Mt	0.00	0.00	0.00
		My	-56.08	-40.13	-24.17
		Mz	-0.10	-0.10	-0.10
	GUARDA-RODAS	N	-29.572	-29.572	-29.572
		Vy	-0.017	-0.017	-0.017
		Vz	-69.281	-69.281	-69.281
		Mt	0.00	0.00	0.00
		My	-30.44	-21.78	-13.12
		Mz	-0.06	-0.05	-0.05
	Vento 0	N	-2.621	-2.621	-2.621

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	-9.308	-9.308	-9.308
		Vz	4.767	4.767	4.767
		Mt	-26.71	-26.71	-26.71
		My	4.87	4.28	3.68
		Mz	-19.08	-17.92	-16.75
	Vento 180	N	-4.327	-4.327	-4.327
		Vy	3.903	4.016	4.128
		Vz	-2.414	-2.414	-2.414
		Mt	21.40	21.40	21.40
		My	-2.38	-2.08	-1.78
		Mz	16.24	15.75	15.24
	Multidão - Passeio	N	-38.373	-38.373	-38.373
		Vy	-0.024	-0.024	-0.024
		Vz	-89.900	-89.900	-89.900
		Mt	0.00	0.00	0.00
		My	-39.50	-28.26	-17.03
		Mz	-0.07	-0.07	-0.07
	Multidão - TB450	N	-125.239	-125.239	-125.239
		Vy	-0.060	-0.060	-0.060
		Vz	-293.417	-293.417	-293.417
		Mt	0.01	0.01	0.01
		My	-128.91	-92.23	-55.55
		Mz	-0.24	-0.23	-0.22
	TB-450 - A1	N	-27.417	-27.417	-27.417
		Vy	-0.038	-0.038	-0.038
		Vz	-63.572	-63.572	-63.572
		Mt	0.03	0.03	0.03
		My	-25.84	-17.89	-9.94
		Mz	-0.10	-0.09	-0.09
	TB-450 - A2	N	-65.016	-65.016	-65.016
		Vy	0.023	0.023	0.023
		Vz	-150.601	-150.601	-150.601
		Mt	-0.03	-0.03	-0.03
		My	-61.26	-42.44	-23.61
		Mz	0.00	0.00	0.00
	TB-450 - B1	N	-31.666	-31.666	-31.666
		Vy	-0.094	-0.094	-0.094
		Vz	-74.865	-74.865	-74.865
		Mt	-0.07	-0.07	-0.07
		My	-33.31	-23.95	-14.59
		Mz	-0.21	-0.20	-0.19
	TB-450 - B2	N	-75.354	-75.354	-75.354
		Vy	0.040	0.040	0.040
		Vz	-177.308	-177.308	-177.308
		Mt	0.08	0.08	0.08
		My	-79.39	-57.22	-35.06
		Mz	0.01	0.00	0.00
	TB-450 - C1	N	-22.589	-22.589	-22.589
		Vy	-0.090	-0.090	-0.090

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-53.345	-53.345	-53.345
		Mt	-0.08	-0.08	-0.08
		My	-24.10	-17.43	-10.76
		Mz	-0.21	-0.20	-0.19
	TB-450 - C2	N	-53.873	-53.873	-53.873
		Vy	0.043	0.043	0.043
		Vz	-126.327	-126.327	-126.327
		Mt	0.09	0.09	0.09
		My	-57.61	-41.82	-26.03
		Mz	0.03	0.02	0.02
	TB-450 - D1	N	-13.619	-13.619	-13.619
		Vy	-0.051	-0.051	-0.051
		Vz	-32.142	-32.142	-32.142
		Mt	-0.05	-0.05	-0.05
		My	-14.54	-10.52	-6.51
		Mz	-0.12	-0.11	-0.11
	TB-450 - D2	N	-32.457	-32.457	-32.457
		Vy	0.023	0.023	0.023
		Vz	-76.115	-76.115	-76.115
		Mt	0.06	0.06	0.06
		My	-34.73	-25.21	-15.70
		Mz	0.00	0.00	0.00
	TB-450 - E1	N	-4.637	-4.637	-4.637
		Vy	-0.018	-0.018	-0.018
		Vz	-10.953	-10.953	-10.953
		Mt	0.00	0.00	0.00
		My	-4.95	-3.58	-2.22
		Mz	-0.04	-0.03	-0.03
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N187/N123	Peso próprio	N	-119.152	-119.051	-118.950	-118.848	-118.747	-118.645	-118.544
		Vy	0.031	0.031	0.031	0.031	0.031	0.031	0.031
		Vz	-36.534	-35.825	-35.116	-34.406	-33.697	-32.988	-32.279
		Mt	0.05	0.05	0.05	0.05	0.05	0.05	0.05
		My	-100.07	-93.66	-87.37	-81.21	-75.18	-69.27	-63.49
		Mz	0.03	0.03	0.02	0.02	0.01	0.00	0.00
	LAJE	N	-261.313	-261.313	-261.313	-261.313	-261.313	-261.313	-261.313
		Vy	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140
		Vz	-70.600	-70.600	-70.600	-70.600	-70.600	-70.600	-70.600
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-217.93	-205.42	-192.91	-180.40	-167.89	-155.38	-142.87
		Mz	-0.39	-0.36	-0.34	-0.31	-0.29	-0.26	-0.24

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
	PAVIMENTAÇÃO	N	-142.592	-142.592	-142.592	-142.592	-142.592	-142.592	-142.592
		Vy	-0.077	-0.077	-0.077	-0.077	-0.077	-0.077	-0.077
		Vz	-38.525	-38.525	-38.525	-38.525	-38.525	-38.525	-38.525
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-118.92	-112.09	-105.27	-98.44	-91.61	-84.79	-77.96
		Mz	-0.21	-0.20	-0.19	-0.17	-0.16	-0.14	-0.13
	RECAPEAMENTO	N	-64.814	-64.814	-64.814	-64.814	-64.814	-64.814	-64.814
		Vy	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035
		Vz	-17.511	-17.511	-17.511	-17.511	-17.511	-17.511	-17.511
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-54.05	-50.95	-47.85	-44.74	-41.64	-38.54	-35.44
		Mz	-0.10	-0.09	-0.08	-0.08	-0.07	-0.07	-0.06
	GUARDA-RODAS	N	-35.178	-35.178	-35.178	-35.178	-35.178	-35.178	-35.178
		Vy	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
		Vz	-9.503	-9.503	-9.503	-9.503	-9.503	-9.503	-9.503
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-29.34	-27.66	-25.97	-24.29	-22.60	-20.92	-19.24
		Mz	-0.05	-0.05	-0.05	-0.04	-0.04	-0.04	-0.03
	Vento 0	N	-2.195	-2.195	-2.195	-2.195	-2.195	-2.195	-2.195
		Vy	-5.148	-5.148	-5.148	-5.148	-5.148	-5.148	-5.148
		Vz	1.569	1.569	1.569	1.569	1.569	1.569	1.569
		Mt	-0.85	-0.85	-0.85	-0.85	-0.85	-0.85	-0.85
		My	4.47	4.19	3.91	3.63	3.35	3.08	2.80
		Mz	-17.21	-16.30	-15.39	-14.47	-13.56	-12.65	-11.74
	Vento 180	N	-4.569	-4.569	-4.569	-4.569	-4.569	-4.569	-4.569
		Vy	3.531	3.690	3.850	4.009	4.169	4.328	4.488
		Vz	-0.869	-0.869	-0.869	-0.869	-0.869	-0.869	-0.869
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	-2.19	-2.04	-1.88	-1.73	-1.57	-1.42	-1.27
		Mz	15.66	15.02	14.35	13.66	12.93	12.18	11.40
	Multidão - Passeio	N	-45.649	-45.649	-45.649	-45.649	-45.649	-45.649	-45.649
		Vy	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
		Vz	-12.330	-12.330	-12.330	-12.330	-12.330	-12.330	-12.330
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-38.08	-35.89	-33.71	-31.52	-29.34	-27.15	-24.97
		Mz	-0.07	-0.06	-0.06	-0.05	-0.05	-0.05	-0.04
	Multidão - TB450	N	-148.976	-148.976	-148.976	-148.976	-148.976	-148.976	-148.976
		Vy	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080
		Vz	-40.254	-40.254	-40.254	-40.254	-40.254	-40.254	-40.254
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-124.23	-117.10	-109.97	-102.83	-95.70	-88.57	-81.43
		Mz	-0.22	-0.21	-0.19	-0.18	-0.17	-0.15	-0.14
	TB-450 - A1	N	-30.061	-30.061	-30.061	-30.061	-30.061	-30.061	-30.061
		Vy	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046
		Vz	-10.159	-10.159	-10.159	-10.159	-10.159	-10.159	-10.159
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-17.15	-15.35	-13.55	-11.75	-9.95	-8.15	-6.35
		Mz	-0.10	-0.09	-0.08	-0.07	-0.06	-0.05	-0.05
	TB-450 - A2	N	-71.270	-71.270	-71.270	-71.270	-71.270	-71.270	-71.270
		Vy	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vz	-24.077	-24.077	-24.077	-24.077	-24.077	-24.077	-24.077
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		My	-40.65	-36.38	-32.11	-27.85	-23.58	-19.31	-15.05
		Mz	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01
	TB-450 - B1	N	-38.611	-38.611	-38.611	-38.611	-38.611	-38.611	-38.611
		Vy	-0.088	-0.088	-0.088	-0.088	-0.088	-0.088	-0.088
		Vz	-10.691	-10.691	-10.691	-10.691	-10.691	-10.691	-10.691
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-34.83	-32.94	-31.04	-29.15	-27.26	-25.36	-23.47
		Mz	-0.19	-0.18	-0.16	-0.14	-0.13	-0.11	-0.10
	TB-450 - B2	N	-91.784	-91.784	-91.784	-91.784	-91.784	-91.784	-91.784
		Vy	0.020	0.020	0.020	0.020	0.020	0.020	0.020
		Vz	-25.452	-25.452	-25.452	-25.452	-25.452	-25.452	-25.452
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-82.90	-78.38	-73.87	-69.36	-64.85	-60.34	-55.83
		Mz	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.02
	TB-450 - C1	N	-27.797	-27.797	-27.797	-27.797	-27.797	-27.797	-27.797
		Vy	-0.084	-0.084	-0.084	-0.084	-0.084	-0.084	-0.084
		Vz	-6.245	-6.245	-6.245	-6.245	-6.245	-6.245	-6.245
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-26.02	-24.92	-23.81	-22.70	-21.60	-20.49	-19.39
		Mz	-0.20	-0.18	-0.17	-0.15	-0.14	-0.12	-0.11
	TB-450 - C2	N	-66.195	-66.195	-66.195	-66.195	-66.195	-66.195	-66.195
		Vy	0.022	0.022	0.022	0.022	0.022	0.022	0.022
		Vz	-14.927	-14.927	-14.927	-14.927	-14.927	-14.927	-14.927
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-62.08	-59.43	-56.79	-54.14	-51.50	-48.85	-46.21
		Mz	0.02	0.02	0.01	0.01	0.01	0.00	0.00
	TB-450 - D1	N	-16.763	-16.763	-16.763	-16.763	-16.763	-16.763	-16.763
		Vy	-0.048	-0.048	-0.048	-0.048	-0.048	-0.048	-0.048
		Vz	-3.742	-3.742	-3.742	-3.742	-3.742	-3.742	-3.742
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-15.72	-15.05	-14.39	-13.73	-13.06	-12.40	-11.74
		Mz	-0.11	-0.10	-0.09	-0.09	-0.08	-0.07	-0.06
	TB-450 - D2	N	-39.897	-39.897	-39.897	-39.897	-39.897	-39.897	-39.897
		Vy	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vz	-8.933	-8.933	-8.933	-8.933	-8.933	-8.933	-8.933
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-37.47	-35.88	-34.30	-32.72	-31.13	-29.55	-27.97
		Mz	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
	TB-450 - E1	N	-5.717	-5.717	-5.717	-5.717	-5.717	-5.717	-5.717
		Vy	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
		Vz	-1.268	-1.268	-1.268	-1.268	-1.268	-1.268	-1.268
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.38	-5.16	-4.93	-4.71	-4.48	-4.26	-4.03
		Mz	-0.03	-0.03	-0.03	-0.02	-0.02	-0.02	-0.02
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N123/N173	Peso próprio	N	-118.544	-118.442	-118.341	-118.239	-118.138	-118.037	-117.935
		Vy	0.031	0.031	0.031	0.031	0.031	0.031	0.031
		Vz	-32.279	-31.570	-30.860	-30.151	-29.442	-28.733	-28.023
		Mt	0.05	0.05	0.05	0.05	0.05	0.05	0.05
		My	-63.49	-57.83	-52.30	-46.89	-41.61	-36.46	-31.43
		Mz	0.00	-0.01	-0.01	-0.02	-0.02	-0.03	-0.03
	LAJE	N	-261.313	-261.313	-261.313	-261.313	-261.313	-261.313	-261.313
		Vy	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140	-0.140
		Vz	-70.600	-70.600	-70.600	-70.600	-70.600	-70.600	-70.600
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-142.87	-130.36	-117.85	-105.34	-92.83	-80.31	-67.80
		Mz	-0.24	-0.22	-0.19	-0.17	-0.14	-0.12	-0.09
	PAVIMENTAÇÃO	N	-142.592	-142.592	-142.592	-142.592	-142.592	-142.592	-142.592
		Vy	-0.077	-0.077	-0.077	-0.077	-0.077	-0.077	-0.077
		Vz	-38.525	-38.525	-38.525	-38.525	-38.525	-38.525	-38.525
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-77.96	-71.13	-64.30	-57.48	-50.65	-43.82	-37.00
		Mz	-0.13	-0.12	-0.10	-0.09	-0.08	-0.06	-0.05
	RECAPEAMENTO	N	-64.814	-64.814	-64.814	-64.814	-64.814	-64.814	-64.814
		Vy	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035
		Vz	-17.511	-17.511	-17.511	-17.511	-17.511	-17.511	-17.511
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-35.44	-32.33	-29.23	-26.13	-23.02	-19.92	-16.82
		Mz	-0.06	-0.05	-0.05	-0.04	-0.03	-0.03	-0.02
	GUARDA-RODAS	N	-35.178	-35.178	-35.178	-35.178	-35.178	-35.178	-35.178
		Vy	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
		Vz	-9.503	-9.503	-9.503	-9.503	-9.503	-9.503	-9.503
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-19.24	-17.55	-15.87	-14.18	-12.50	-10.82	-9.13
		Mz	-0.03	-0.03	-0.03	-0.02	-0.02	-0.02	-0.01
	Vento 0	N	-2.195	-2.195	-2.195	-2.195	-2.195	-2.195	-2.195
		Vy	-5.148	-5.148	-5.148	-5.148	-5.148	-5.148	-5.148
		Vz	1.569	1.569	1.569	1.569	1.569	1.569	1.569
		Mt	-0.85	-0.85	-0.85	-0.85	-0.85	-0.85	-0.85
		My	2.80	2.52	2.24	1.96	1.68	1.41	1.13
		Mz	-11.74	-10.83	-9.91	-9.00	-8.09	-7.18	-6.26
	Vento 180	N	-4.569	-4.569	-4.569	-4.569	-4.569	-4.569	-4.569
		Vy	4.488	4.647	4.807	4.966	5.126	5.285	5.445
		Vz	-0.869	-0.869	-0.869	-0.869	-0.869	-0.869	-0.869
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	-1.27	-1.11	-0.96	-0.80	-0.65	-0.50	-0.34
		Mz	11.40	10.59	9.75	8.89	7.99	7.07	6.12
	Multidão - Passeio	N	-45.649	-45.649	-45.649	-45.649	-45.649	-45.649	-45.649
		Vy	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
		Vz	-12.330	-12.330	-12.330	-12.330	-12.330	-12.330	-12.330
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-24.97	-22.78	-20.60	-18.41	-16.23	-14.04	-11.86
		Mz	-0.04	-0.04	-0.03	-0.03	-0.02	-0.02	-0.01
	Multidão - TB450	N	-148.976	-148.976	-148.976	-148.976	-148.976	-148.976	-148.976
		Vy	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080
		Vz	-40.254	-40.254	-40.254	-40.254	-40.254	-40.254	-40.254
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		My	-81.43	-74.30	-67.17	-60.03	-52.90	-45.77	-38.63
		Mz	-0.14	-0.12	-0.11	-0.10	-0.08	-0.07	-0.05
	TB-450 - A1	N	-30.061	-30.061	-30.061	-30.061	-30.061	-30.061	-30.061
		Vy	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046
		Vz	-10.159	-10.159	-10.159	-10.159	-10.159	-10.159	-10.159
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-6.35	-4.55	-2.75	-0.95	0.85	2.65	4.45
		Mz	-0.05	-0.04	-0.03	-0.02	-0.01	-0.01	0.00
	TB-450 - A2	N	-71.270	-71.270	-71.270	-71.270	-71.270	-71.270	-71.270
		Vy	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vz	-24.077	-24.077	-24.077	-24.077	-24.077	-24.077	-24.077
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-15.05	-10.78	-6.51	-2.25	2.02	6.29	10.55
		Mz	-0.01	-0.01	-0.02	-0.02	-0.02	-0.02	-0.03
	TB-450 - B1	N	-38.611	-38.611	-38.611	-38.611	-38.611	-38.611	-38.611
		Vy	-0.088	-0.088	-0.088	-0.088	-0.088	-0.088	-0.088
		Vz	-10.691	-10.691	-10.691	-10.691	-10.691	-10.691	-10.691
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-23.47	-21.57	-19.68	-17.78	-15.89	-13.99	-12.10
		Mz	-0.10	-0.08	-0.07	-0.05	-0.04	-0.02	0.00
	TB-450 - B2	N	-91.784	-91.784	-91.784	-91.784	-91.784	-91.784	-91.784
		Vy	0.020	0.020	0.020	0.020	0.020	0.020	0.020
		Vz	-25.452	-25.452	-25.452	-25.452	-25.452	-25.452	-25.452
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-55.83	-51.32	-46.81	-42.30	-37.79	-33.28	-28.77
		Mz	-0.02	-0.02	-0.02	-0.03	-0.03	-0.04	-0.04
	TB-450 - C1	N	-27.797	-27.797	-27.797	-27.797	-27.797	-27.797	-27.797
		Vy	-0.084	-0.084	-0.084	-0.084	-0.084	-0.084	-0.084
		Vz	-6.245	-6.245	-6.245	-6.245	-6.245	-6.245	-6.245
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-19.39	-18.28	-17.17	-16.07	-14.96	-13.85	-12.75
		Mz	-0.11	-0.09	-0.08	-0.06	-0.05	-0.03	-0.02
	TB-450 - C2	N	-66.195	-66.195	-66.195	-66.195	-66.195	-66.195	-66.195
		Vy	0.022	0.022	0.022	0.022	0.022	0.022	0.022
		Vz	-14.927	-14.927	-14.927	-14.927	-14.927	-14.927	-14.927
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-46.21	-43.56	-40.92	-38.27	-35.63	-32.98	-30.34
		Mz	0.00	0.00	-0.01	-0.01	-0.02	-0.02	-0.02
	TB-450 - D1	N	-16.763	-16.763	-16.763	-16.763	-16.763	-16.763	-16.763
		Vy	-0.048	-0.048	-0.048	-0.048	-0.048	-0.048	-0.048
		Vz	-3.742	-3.742	-3.742	-3.742	-3.742	-3.742	-3.742
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-11.74	-11.08	-10.41	-9.75	-9.09	-8.42	-7.76
		Mz	-0.06	-0.05	-0.04	-0.03	-0.03	-0.02	-0.01
	TB-450 - D2	N	-39.897	-39.897	-39.897	-39.897	-39.897	-39.897	-39.897
		Vy	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vz	-8.933	-8.933	-8.933	-8.933	-8.933	-8.933	-8.933
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-27.97	-26.38	-24.80	-23.22	-21.64	-20.05	-18.47
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02
	TB-450 - E1	N	-5.717	-5.717	-5.717	-5.717	-5.717	-5.717	-5.717
		Vy	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015

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Esforços em barras, por hipóteses/ações								
Barra	Hipótese	Esforço	Posições na barra					
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		Vz	-1.268	-1.268	-1.268	-1.268	-1.268	-1.268	-1.268
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.03	-3.81	-3.58	-3.36	-3.13	-2.91	-2.68
		Mz	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N173/N121	Peso próprio	N	-160.991	-160.920	-160.848
		Vy	0.026	0.026	0.026
		Vz	-155.545	-155.045	-154.545
		Mt	0.01	0.01	0.01
		My	-52.96	-33.55	-14.20
		Mz	-0.02	-0.02	-0.03
	LAJE	N	-353.733	-353.733	-353.733
		Vy	-0.162	-0.162	-0.162
		Vz	-345.789	-345.789	-345.789
		Mt	0.00	0.00	0.00
		My	-114.92	-71.69	-28.47
		Mz	-0.09	-0.07	-0.05
	PAVIMENTAÇÃO	N	-193.023	-193.023	-193.023
		Vy	-0.089	-0.089	-0.089
		Vz	-188.686	-188.686	-188.686
		Mt	0.00	0.00	0.00
		My	-62.71	-39.12	-15.53
		Mz	-0.05	-0.04	-0.03
	RECAPEAMENTO	N	-87.738	-87.738	-87.738
		Vy	-0.040	-0.040	-0.040
		Vz	-85.766	-85.766	-85.766
		Mt	0.00	0.00	0.00
		My	-28.50	-17.78	-7.06
		Mz	-0.02	-0.02	-0.01
	GUARDA-RODAS	N	-47.622	-47.622	-47.622
		Vy	-0.021	-0.021	-0.021
		Vz	-46.558	-46.558	-46.558
		Mt	0.00	0.00	0.00
		My	-15.48	-9.66	-3.84
		Mz	-0.01	-0.01	-0.01
	Vento 0	N	-1.327	-1.327	-1.327
		Vy	-5.179	-5.179	-5.179
		Vz	4.006	4.006	4.006
		Mt	-0.03	-0.03	-0.03
		My	1.67	1.17	0.67

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mz	-6.53	-5.88	-5.23
	Vento 180	N	-4.914	-4.914	-4.914
		Vy	8.403	8.515	8.628
		Vz	-1.775	-1.775	-1.775
		Mt	-0.04	-0.04	-0.04
		My	-0.60	-0.38	-0.16
		Mz	6.15	5.09	4.02
	Multidão - Passeio	N	-61.801	-61.801	-61.801
		Vy	-0.025	-0.025	-0.025
		Vz	-60.427	-60.427	-60.427
		Mt	0.00	0.00	0.00
		My	-20.09	-12.54	-4.99
		Mz	-0.01	-0.01	-0.01
	Multidão - TB450	N	-201.655	-201.655	-201.655
		Vy	-0.097	-0.097	-0.097
		Vz	-197.106	-197.106	-197.106
		Mt	0.00	0.00	0.00
		My	-65.49	-40.85	-16.21
		Mz	-0.05	-0.04	-0.03
	TB-450 - A1	N	-31.859	-31.859	-31.859
		Vy	-0.052	-0.052	-0.052
		Vz	-13.655	-13.655	-13.655
		Mt	0.01	0.01	0.01
		My	2.08	3.78	5.49
		Mz	0.00	0.01	0.01
	TB-450 - A2	N	-75.504	-75.504	-75.504
		Vy	0.004	0.004	0.004
		Vz	-32.272	-32.272	-32.272
		Mt	-0.01	-0.01	-0.01
		My	4.92	8.96	12.99
		Mz	-0.02	-0.02	-0.02
	TB-450 - B1	N	-55.336	-55.336	-55.336
		Vy	-0.094	-0.094	-0.094
		Vz	-61.221	-61.221	-61.221
		Mt	0.00	0.00	0.00
		My	-20.00	-12.35	-4.70
		Mz	-0.01	0.01	0.02
	TB-450 - B2	N	-131.397	-131.397	-131.397
		Vy	0.015	0.015	0.015
		Vz	-145.117	-145.117	-145.117
		Mt	0.00	0.00	0.00
		My	-47.50	-29.36	-11.22
		Mz	-0.04	-0.04	-0.04
	TB-450 - C1	N	-40.849	-40.849	-40.849
		Vy	-0.091	-0.091	-0.091
		Vz	-45.734	-45.734	-45.734
		Mt	0.00	0.00	0.00
		My	-18.93	-13.21	-7.50
		Mz	-0.02	-0.01	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
	TB-450 - C2	N	-97.129	-97.129	-97.129
		Vy	0.017	0.017	0.017
		Vz	-108.515	-108.515	-108.515
		Mt	-0.01	-0.01	-0.01
		My	-45.01	-31.44	-17.88
		Mz	-0.02	-0.02	-0.03
	TB-450 - D1	N	-24.649	-24.649	-24.649
		Vy	-0.053	-0.053	-0.053
		Vz	-27.602	-27.602	-27.602
		Mt	0.00	0.00	0.00
		My	-11.50	-8.05	-4.60
		Mz	-0.01	0.00	0.00
	TB-450 - D2	N	-58.594	-58.594	-58.594
		Vy	0.006	0.006	0.006
		Vz	-65.499	-65.499	-65.499
		Mt	0.00	0.00	0.00
		My	-27.34	-19.15	-10.96
		Mz	-0.02	-0.02	-0.02
	TB-450 - E1	N	-8.435	-8.435	-8.435
		Vy	-0.013	-0.013	-0.013
		Vz	-9.496	-9.496	-9.496
		Mt	0.00	0.00	0.00
		My	-3.97	-2.78	-1.59
		Mz	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
N33/N188	Peso próprio	N	0.093	0.097	0.101	0.105	0.109	0.113	0.117
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-0.175	-0.135	-0.095	-0.054	-0.014	0.026	0.066
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.03	0.06	0.07	0.08	0.08	0.07
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.01	0.01	0.01	0.02	0.02
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.01	0.01	0.01	0.01
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.01	0.01
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	-0.262	-0.262	-0.262	-0.262	-0.262	-0.262	-0.262
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.06	0.11	0.17	0.23	0.29	0.34
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.207	0.207	0.207	0.207	0.207	0.207	0.207
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	-0.05	-0.09	-0.14	-0.18	-0.23	-0.27
	Multidão - Passeio	N	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.01	0.02	0.02	0.03	0.03
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.032	0.032	0.032	0.032	0.032	0.032	0.032
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.01	-0.01	-0.02	-0.03	-0.04	-0.04
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.032	0.032	0.032	0.032	0.032	0.032	0.032
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
		My	0.00	-0.01	-0.01	-0.02	-0.03	-0.03	-0.04
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.01	0.02	0.02	0.03	0.03
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.01	0.02	0.02	0.03	0.03
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.026	0.026	0.026	0.026	0.026	0.026	0.026
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.02	0.03	0.04	0.05	0.06
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.027	0.027	0.027	0.027	0.027	0.027	0.027
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.02	0.03	0.04	0.05	0.07
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.01	0.02	0.02	0.03	0.03
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
	TB-450 - D2	N	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.01	0.02	0.02	0.03	0.03
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	TB-450 - E1	N	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	0.041	0.041	0.041	0.041	0.041	0.041	0.041
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.01	-0.02	-0.03	-0.04	-0.05	-0.05
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
N188/N32	Peso próprio	N	0.117	0.121	0.125	0.129	0.133	0.137	0.141
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	0.066	0.106	0.146	0.186	0.226	0.266	0.306
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.07	0.05	0.03	-0.01	-0.06	-0.11	-0.17
		Mz	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01
	LAJE	N	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.02	0.03	0.03	0.03	0.04	0.04	0.04
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	0.02	0.02	0.02	0.02	0.02	0.03
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	-0.262	-0.262	-0.262	-0.262	-0.262	-0.262	-0.262
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.34	0.40	0.46	0.51	0.57	0.63	0.69
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.207	0.207	0.207	0.207	0.207	0.207	0.207
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	-0.27	-0.32	-0.36	-0.41	-0.45	-0.50	-0.54
	Multidão - Passeio	N	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
		Vz	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.03	0.04	0.04	0.05	0.05	0.06	0.06
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.032	0.032	0.032	0.032	0.032	0.032	0.032
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.04	-0.05	-0.06	-0.06	-0.07	-0.08	-0.08
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.032	0.032	0.032	0.032	0.032	0.032	0.032
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.04	-0.05	-0.06	-0.06	-0.07	-0.08	-0.08
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.03	0.04	0.04	0.05	0.06	0.06	0.07
		Mz	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01
	TB-450 - B2	N	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.03	0.04	0.05	0.05	0.06	0.06	0.07
		Mz	0.00	0.00	0.00	0.01	0.01	0.01	0.01
	TB-450 - C1	N	0.026	0.026	0.026	0.026	0.026	0.026	0.026
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.06	0.08	0.09	0.10	0.11	0.12	0.13
		Mz	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - C2	N	0.027	0.027	0.027	0.027	0.027	0.027	0.027
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.07	0.08	0.09	0.10	0.11	0.12	0.13
		Mz	0.00	0.00	0.01	0.01	0.01	0.01	0.01
	TB-450 - D1	N	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.03	0.04	0.04	0.05	0.05	0.06	0.06
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - D2	N	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.03	0.04	0.04	0.05	0.05	0.06	0.06
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - E1	N	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	0.041	0.041	0.041	0.041	0.041	0.041	0.041
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.05	-0.06	-0.07	-0.08	-0.09	-0.10	-0.11
		Mz	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
N3/N31	Peso próprio	N	81.031	81.082	81.132	81.183	81.233	81.284	81.334
		Vy	-0.147	-0.147	-0.147	-0.147	-0.147	-0.147	-0.147
		Vz	-0.845	-0.337	0.171	0.679	1.187	1.695	2.203
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.13	0.15	0.05	-0.15	-0.46	-0.89
		Mz	0.00	0.03	0.06	0.10	0.13	0.16	0.19
	LAJE	N	153.964	153.964	153.964	153.964	153.964	153.964	153.964
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	14.731	14.731	14.731	14.731	14.731	14.731	14.731
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-3.21	-6.41	-9.62	-12.83	-16.04	-19.24
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	84.014	84.014	84.014	84.014	84.014	84.014	84.014
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	8.038	8.038	8.038	8.038	8.038	8.038	8.038
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-1.75	-3.50	-5.25	-7.00	-8.75	-10.50
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	38.188	38.188	38.188	38.188	38.188	38.188	38.188
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	3.654	3.654	3.654	3.654	3.654	3.654	3.654
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.80	-1.59	-2.39	-3.18	-3.98	-4.77
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
	GUARDA-RODAS	N	20.728	20.728	20.728	20.728	20.728	20.728	20.728
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.984	1.984	1.984	1.984	1.984	1.984	1.984
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.43	-0.86	-1.30	-1.73	-2.16	-2.59
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	7.096	7.096	7.096	7.096	7.096	7.096	7.096
		Vy	-25.853	-25.527	-25.200	-24.874	-24.547	-24.220	-23.894
		Vz	-0.635	-0.635	-0.635	-0.635	-0.635	-0.635	-0.635
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.14	0.28	0.41	0.55	0.69	0.83
		Mz	0.00	5.59	11.12	16.57	21.95	27.26	32.49
	Vento 180	N	-6.733	-6.733	-6.733	-6.733	-6.733	-6.733	-6.733
		Vy	17.932	17.932	17.932	17.932	17.932	17.932	17.932
		Vz	0.336	0.336	0.336	0.336	0.336	0.336	0.336
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.07	-0.15	-0.22	-0.29	-0.37	-0.44
		Mz	0.00	-3.90	-7.81	-11.71	-15.62	-19.52	-23.43
	Multidão - Passeio	N	26.900	26.900	26.900	26.900	26.900	26.900	26.900
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	2.577	2.577	2.577	2.577	2.577	2.577	2.577
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.56	-1.12	-1.68	-2.24	-2.81	-3.37
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	87.771	87.771	87.771	87.771	87.771	87.771	87.771
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	8.393	8.393	8.393	8.393	8.393	8.393	8.393
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-1.83	-3.65	-5.48	-7.31	-9.14	-10.96
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	7.842	7.842	7.842	7.842	7.842	7.842	7.842
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	1.483	1.483	1.483	1.483	1.483	1.483	1.483
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.32	-0.65	-0.97	-1.29	-1.61	-1.94
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	3.354	3.354	3.354	3.354	3.354	3.354	3.354
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.632	0.632	0.632	0.632	0.632	0.632	0.632
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.14	-0.28	-0.41	-0.55	-0.69	-0.83
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	23.010	23.010	23.010	23.010	23.010	23.010	23.010
		Vy	0.159	0.159	0.159	0.159	0.159	0.159	0.159
		Vz	4.335	4.335	4.335	4.335	4.335	4.335	4.335
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.94	-1.89	-2.83	-3.78	-4.72	-5.66
		Mz	0.00	-0.03	-0.07	-0.10	-0.14	-0.17	-0.21
	TB-450 - B2	N	9.807	9.807	9.807	9.807	9.807	9.807	9.807

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
		Vy	-0.166	-0.166	-0.166	-0.166	-0.166	-0.166	-0.166
		Vz	1.832	1.832	1.832	1.832	1.832	1.832	1.832
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.40	-0.80	-1.20	-1.60	-1.99	-2.39
		Mz	0.00	0.04	0.07	0.11	0.14	0.18	0.22
	TB-450 - C1	N	38.016	38.016	38.016	38.016	38.016	38.016	38.016
		Vy	0.176	0.176	0.176	0.176	0.176	0.176	0.176
		Vz	7.112	7.112	7.112	7.112	7.112	7.112	7.112
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-1.55	-3.10	-4.65	-6.19	-7.74	-9.29
		Mz	0.00	-0.04	-0.08	-0.11	-0.15	-0.19	-0.23
	TB-450 - C2	N	16.140	16.140	16.140	16.140	16.140	16.140	16.140
		Vy	-0.187	-0.187	-0.187	-0.187	-0.187	-0.187	-0.187
		Vz	3.002	3.002	3.002	3.002	3.002	3.002	3.002
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.65	-1.31	-1.96	-2.61	-3.27	-3.92
		Mz	0.00	0.04	0.08	0.12	0.16	0.20	0.24
	TB-450 - D1	N	52.797	52.797	52.797	52.797	52.797	52.797	52.797
		Vy	0.101	0.101	0.101	0.101	0.101	0.101	0.101
		Vz	8.756	8.756	8.756	8.756	8.756	8.756	8.756
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-1.91	-3.81	-5.72	-7.63	-9.53	-11.44
		Mz	0.00	-0.02	-0.04	-0.07	-0.09	-0.11	-0.13
	TB-450 - D2	N	22.343	22.343	22.343	22.343	22.343	22.343	22.343
		Vy	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094
		Vz	3.690	3.690	3.690	3.690	3.690	3.690	3.690
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.80	-1.61	-2.41	-3.21	-4.02	-4.82
		Mz	0.00	0.02	0.04	0.06	0.08	0.10	0.12
	TB-450 - E1	N	44.511	44.511	44.511	44.511	44.511	44.511	44.511
		Vy	0.081	0.081	0.081	0.081	0.081	0.081	0.081
		Vz	-5.777	-5.777	-5.777	-5.777	-5.777	-5.777	-5.777
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	1.26	2.52	3.77	5.03	6.29	7.55
		Mz	0.00	-0.02	-0.04	-0.05	-0.07	-0.09	-0.11
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N31/N213	Peso próprio	N	81.334	81.375	81.415	81.456	81.497	81.538	81.579
		Vy	-0.147	-0.147	-0.147	-0.147	-0.147	-0.147	-0.147
		Vz	2.203	2.614	3.025	3.436	3.847	4.258	4.668
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		My	-0.89	-1.31	-1.81	-2.38	-3.02	-3.73	-4.52
		Mz	0.19	0.22	0.24	0.27	0.30	0.32	0.35
	LAJE	N	153.964	153.964	153.964	153.964	153.964	153.964	153.964
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	14.731	14.731	14.731	14.731	14.731	14.731	14.731
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-19.24	-21.84	-24.43	-27.02	-29.62	-32.21	-34.81
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	84.014	84.014	84.014	84.014	84.014	84.014	84.014
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	8.038	8.038	8.038	8.038	8.038	8.038	8.038
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-10.50	-11.92	-13.33	-14.75	-16.16	-17.58	-18.99
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	38.188	38.188	38.188	38.188	38.188	38.188	38.188
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	3.654	3.654	3.654	3.654	3.654	3.654	3.654
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.77	-5.42	-6.06	-6.70	-7.35	-7.99	-8.63
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	20.728	20.728	20.728	20.728	20.728	20.728	20.728
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.984	1.984	1.984	1.984	1.984	1.984	1.984
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.59	-2.94	-3.29	-3.64	-3.99	-4.34	-4.69
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	7.096	7.096	7.096	7.096	7.096	7.096	7.096
		Vy	-23.894	-23.630	-23.366	-23.102	-22.837	-22.573	-22.309
		Vz	-0.635	-0.635	-0.635	-0.635	-0.635	-0.635	-0.635
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.83	0.94	1.05	1.17	1.28	1.39	1.50
		Mz	32.49	36.68	40.82	44.91	48.95	52.95	56.90
	Vento 180	N	-6.733	-6.733	-6.733	-6.733	-6.733	-6.733	-6.733
		Vy	17.932	17.932	17.932	17.932	17.932	17.932	17.932
		Vz	0.336	0.336	0.336	0.336	0.336	0.336	0.336
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.44	-0.50	-0.56	-0.62	-0.67	-0.73	-0.79
		Mz	-23.43	-26.58	-29.74	-32.90	-36.06	-39.21	-42.37
	Multidão - Passeio	N	26.900	26.900	26.900	26.900	26.900	26.900	26.900
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	2.577	2.577	2.577	2.577	2.577	2.577	2.577
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.37	-3.82	-4.27	-4.73	-5.18	-5.64	-6.09
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	87.771	87.771	87.771	87.771	87.771	87.771	87.771
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	8.393	8.393	8.393	8.393	8.393	8.393	8.393
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-10.96	-12.44	-13.92	-15.40	-16.87	-18.35	-19.83

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	7.842	7.842	7.842	7.842	7.842	7.842	7.842
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	1.483	1.483	1.483	1.483	1.483	1.483	1.483
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.94	-2.20	-2.46	-2.72	-2.98	-3.24	-3.50
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	3.354	3.354	3.354	3.354	3.354	3.354	3.354
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	0.632	0.632	0.632	0.632	0.632	0.632	0.632
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.83	-0.94	-1.05	-1.16	-1.27	-1.38	-1.49
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	23.010	23.010	23.010	23.010	23.010	23.010	23.010
		Vy	0.159	0.159	0.159	0.159	0.159	0.159	0.159
		Vz	4.335	4.335	4.335	4.335	4.335	4.335	4.335
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.66	-6.43	-7.19	-7.95	-8.72	-9.48	-10.24
		Mz	-0.21	-0.24	-0.26	-0.29	-0.32	-0.35	-0.38
	TB-450 - B2	N	9.807	9.807	9.807	9.807	9.807	9.807	9.807
		Vy	-0.166	-0.166	-0.166	-0.166	-0.166	-0.166	-0.166
		Vz	1.832	1.832	1.832	1.832	1.832	1.832	1.832
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.39	-2.72	-3.04	-3.36	-3.68	-4.01	-4.33
		Mz	0.22	0.25	0.27	0.30	0.33	0.36	0.39
	TB-450 - C1	N	38.016	38.016	38.016	38.016	38.016	38.016	38.016
		Vy	0.176	0.176	0.176	0.176	0.176	0.176	0.176
		Vz	7.112	7.112	7.112	7.112	7.112	7.112	7.112
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-9.29	-10.54	-11.80	-13.05	-14.30	-15.55	-16.80
		Mz	-0.23	-0.26	-0.29	-0.32	-0.35	-0.38	-0.42
	TB-450 - C2	N	16.140	16.140	16.140	16.140	16.140	16.140	16.140
		Vy	-0.187	-0.187	-0.187	-0.187	-0.187	-0.187	-0.187
		Vz	3.002	3.002	3.002	3.002	3.002	3.002	3.002
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.92	-4.45	-4.98	-5.51	-6.04	-6.56	-7.09
		Mz	0.24	0.28	0.31	0.34	0.38	0.41	0.44
	TB-450 - D1	N	52.797	52.797	52.797	52.797	52.797	52.797	52.797
		Vy	0.101	0.101	0.101	0.101	0.101	0.101	0.101
		Vz	8.756	8.756	8.756	8.756	8.756	8.756	8.756
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-11.44	-12.98	-14.52	-16.06	-17.61	-19.15	-20.69
		Mz	-0.13	-0.15	-0.17	-0.19	-0.20	-0.22	-0.24
	TB-450 - D2	N	22.343	22.343	22.343	22.343	22.343	22.343	22.343
		Vy	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094
		Vz	3.690	3.690	3.690	3.690	3.690	3.690	3.690
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.82	-5.47	-6.12	-6.77	-7.42	-8.07	-8.72
		Mz	0.12	0.14	0.16	0.17	0.19	0.20	0.22

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
	TB-450 - E1	N	44.511	44.511	44.511	44.511	44.511	44.511	44.511
		Vy	0.081	0.081	0.081	0.081	0.081	0.081	0.081
		Vz	-5.777	-5.777	-5.777	-5.777	-5.777	-5.777	-5.777
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.55	8.56	9.58	10.60	11.62	12.63	13.65
		Mz	-0.11	-0.12	-0.13	-0.15	-0.16	-0.18	-0.19
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N213/N30	Peso próprio	N	107.208	107.237	107.266
		Vy	0.088	0.088	0.088
		Vz	-192.403	-192.111	-191.820
		Mt	-0.02	-0.02	-0.02
		My	-72.66	-48.63	-24.64
		Mz	0.35	0.34	0.33
	LAJE	N	210.441	210.441	210.441
		Vy	0.000	0.000	0.000
		Vz	-421.700	-421.700	-421.700
		Mt	-0.01	-0.01	-0.01
		My	-187.49	-134.78	-82.06
		Mz	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	114.832	114.832	114.832
		Vy	0.000	0.000	0.000
		Vz	-230.111	-230.111	-230.111
		Mt	0.00	0.00	0.00
		My	-102.31	-73.54	-44.78
		Mz	0.00	0.00	0.00
	RECAPEAMENTO	N	52.196	52.196	52.196
		Vy	0.000	0.000	0.000
		Vz	-104.596	-104.596	-104.596
		Mt	0.00	0.00	0.00
		My	-46.50	-33.43	-20.35
		Mz	0.00	0.00	0.00
	GUARDA-RODAS	N	28.332	28.332	28.332
		Vy	0.000	0.000	0.000
		Vz	-56.769	-56.769	-56.769
		Mt	0.00	0.00	0.00
		My	-25.25	-18.15	-11.05
		Mz	0.00	0.00	0.00
	Vento 0	N	7.654	7.654	7.654
		Vy	-15.692	-15.505	-15.317
		Vz	-4.606	-4.606	-4.606

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mt	-0.18	-0.18	-0.18
		My	-0.75	-0.18	0.40
		Mz	56.64	58.59	60.52
	Vento 180	N	-7.588	-7.588	-7.588
		Vy	14.599	14.599	14.599
		Vz	6.283	6.283	6.283
		Mt	0.47	0.47	0.47
		My	2.15	1.36	0.58
		Mz	-42.16	-43.98	-45.81
	Multidão - Passeio	N	36.768	36.768	36.768
		Vy	-0.001	-0.001	-0.001
		Vz	-73.665	-73.665	-73.665
		Mt	0.00	0.00	0.00
		My	-32.77	-23.56	-14.35
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	119.965	119.965	119.965
		Vy	0.001	0.001	0.001
		Vz	-240.416	-240.416	-240.416
		Mt	-0.01	-0.01	-0.01
		My	-106.87	-76.81	-46.76
		Mz	0.00	0.00	0.00
	TB-450 - A1	N	11.157	11.157	11.157
		Vy	-0.006	-0.006	-0.006
		Vz	-21.162	-21.162	-21.162
		Mt	0.00	0.00	0.00
		My	-12.62	-9.98	-7.33
		Mz	0.00	0.00	0.00
	TB-450 - A2	N	4.765	4.765	4.765
		Vy	0.009	0.009	0.009
		Vz	-8.994	-8.994	-8.994
		Mt	0.00	0.00	0.00
		My	-5.38	-4.25	-3.13
		Mz	0.00	0.00	-0.01
	TB-450 - B1	N	32.738	32.738	32.738
		Vy	0.145	0.145	0.145
		Vz	-62.198	-62.198	-62.198
		Mt	0.00	0.00	0.00
		My	-36.99	-29.22	-21.44
		Mz	-0.38	-0.39	-0.41
	TB-450 - B2	N	13.937	13.937	13.937
		Vy	-0.151	-0.151	-0.151
		Vz	-26.442	-26.442	-26.442
		Mt	0.00	0.00	0.00
		My	-15.69	-12.39	-9.08
		Mz	0.39	0.41	0.43
	TB-450 - C1	N	54.054	54.054	54.054
		Vy	0.159	0.159	0.159
		Vz	-102.698	-102.698	-102.698
		Mt	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		My	-60.90	-48.07	-35.23
		Mz	-0.42	-0.44	-0.46
	TB-450 - C2	N	22.935	22.935	22.935
		Vy	-0.170	-0.170	-0.170
		Vz	-43.555	-43.555	-43.555
		Mt	0.00	0.00	0.00
		My	-25.78	-20.33	-14.89
		Mz	0.44	0.46	0.49
	TB-450 - D1	N	74.156	74.156	74.156
		Vy	0.092	0.092	0.092
		Vz	-140.096	-140.096	-140.096
		Mt	0.00	0.00	0.00
		My	-79.48	-61.97	-44.46
		Mz	-0.24	-0.25	-0.26
	TB-450 - D2	N	31.372	31.372	31.372
		Vy	-0.083	-0.083	-0.083
		Vz	-59.272	-59.272	-59.272
		Mt	0.00	0.00	0.00
		My	-33.57	-26.16	-18.75
		Mz	0.22	0.23	0.24
	TB-450 - E1	N	55.047	55.047	55.047
		Vy	0.075	0.075	0.075
		Vz	-129.170	-129.170	-129.170
		Mt	-0.01	-0.01	-0.01
		My	-12.43	3.72	19.86
		Mz	-0.20	-0.20	-0.21
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N30/N212	Peso próprio	N	113.269	113.298	113.327
		Vy	0.166	0.166	0.166
		Vz	-128.908	-128.616	-128.324
		Mt	-0.01	-0.01	-0.01
		My	-26.50	-10.41	5.65
		Mz	0.40	0.38	0.36
	LAJE	N	222.652	222.652	222.652
		Vy	0.066	0.066	0.066
		Vz	-309.853	-309.853	-309.853
		Mt	0.00	0.00	0.00
		My	-85.38	-46.65	-7.92
		Mz	0.18	0.17	0.16
	PAVIMENTAÇÃO	N	121.517	121.517	121.517

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	0.037	0.037	0.037
		Vz	-169.076	-169.076	-169.076
		Mt	0.00	0.00	0.00
		My	-46.59	-25.46	-4.32
		Mz	0.10	0.09	0.09
	RECAPEAMENTO	N	55.235	55.235	55.235
		Vy	0.017	0.017	0.017
		Vz	-76.853	-76.853	-76.853
		Mt	0.00	0.00	0.00
		My	-21.18	-11.57	-1.96
		Mz	0.04	0.04	0.04
	GUARDA-RODAS	N	29.905	29.905	29.905
		Vy	0.006	0.006	0.006
		Vz	-41.723	-41.723	-41.723
		Mt	0.00	0.00	0.00
		My	-11.50	-6.28	-1.07
		Mz	0.02	0.02	0.01
	Vento 0	N	7.803	7.803	7.803
		Vy	16.457	16.644	16.832
		Vz	-2.606	-2.606	-2.606
		Mt	-0.20	-0.20	-0.20
		My	0.37	0.70	1.02
		Mz	60.14	58.07	55.98
	Vento 180	N	-21.365	-21.365	-21.365
		Vy	-15.946	-15.946	-15.946
		Vz	4.722	4.722	4.722
		Mt	0.49	0.49	0.49
		My	0.60	0.01	-0.58
		Mz	-45.34	-43.35	-41.36
	Multidão - Passeio	N	38.699	38.699	38.699
		Vy	0.002	0.002	0.002
		Vz	-54.159	-54.159	-54.159
		Mt	0.00	0.00	0.00
		My	-14.93	-8.16	-1.39
		Mz	0.01	0.01	0.01
	Multidão - TB450	N	127.217	127.217	127.217
		Vy	0.052	0.052	0.052
		Vz	-176.605	-176.605	-176.605
		Mt	0.00	0.00	0.00
		My	-48.65	-26.58	-4.50
		Mz	0.13	0.12	0.12
	TB-450 - A1	N	10.550	10.550	10.550
		Vy	-0.014	-0.014	-0.014
		Vz	-21.216	-21.216	-21.216
		Mt	0.00	0.00	0.00
		My	-7.33	-4.68	-2.03
		Mz	-0.02	-0.02	-0.01
	TB-450 - A2	N	4.158	4.158	4.158
		Vy	-0.004	-0.004	-0.004

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-9.048	-9.048	-9.048
		Mt	0.00	0.00	0.00
		My	-3.13	-2.00	-0.87
		Mz	-0.02	-0.02	-0.02
	TB-450 - B1	N	32.852	32.852	32.852
		Vy	-0.176	-0.176	-0.176
		Vz	-62.159	-62.159	-62.159
		Mt	0.00	0.00	0.00
		My	-21.44	-13.67	-5.90
		Mz	-0.39	-0.37	-0.35
	TB-450 - B2	N	14.056	14.056	14.056
		Vy	0.192	0.192	0.192
		Vz	-26.367	-26.367	-26.367
		Mt	0.00	0.00	0.00
		My	-9.08	-5.79	-2.49
		Mz	0.44	0.41	0.39
	TB-450 - C1	N	54.274	54.274	54.274
		Vy	-0.199	-0.199	-0.199
		Vz	-102.612	-102.612	-102.612
		Mt	0.00	0.00	0.00
		My	-35.23	-22.40	-9.58
		Mz	-0.43	-0.40	-0.38
	TB-450 - C2	N	23.160	23.160	23.160
		Vy	0.229	0.229	0.229
		Vz	-43.429	-43.429	-43.429
		Mt	0.00	0.00	0.00
		My	-14.89	-9.46	-4.03
		Mz	0.51	0.48	0.45
	TB-450 - D1	N	74.264	74.264	74.264
		Vy	-0.081	-0.081	-0.081
		Vz	-139.936	-139.936	-139.936
		Mt	0.00	0.00	0.00
		My	-44.46	-26.97	-9.48
		Mz	-0.19	-0.18	-0.17
	TB-450 - D2	N	31.486	31.486	31.486
		Vy	0.128	0.128	0.128
		Vz	-59.091	-59.091	-59.091
		Mt	0.00	0.00	0.00
		My	-18.75	-11.37	-3.98
		Mz	0.30	0.29	0.27
	TB-450 - E1	N	66.730	66.730	66.730
		Vy	-0.046	-0.046	-0.046
		Vz	-8.609	-8.609	-8.609
		Mt	0.00	0.00	0.00
		My	16.28	17.35	18.43
		Mz	-0.12	-0.11	-0.11
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N212/N29	Peso próprio	N	145.128	145.169	145.210	145.250	145.291	145.332	145.373
		Vy	0.172	0.172	0.172	0.172	0.172	0.172	0.172
		Vz	-18.474	-18.064	-17.653	-17.242	-16.831	-16.420	-16.009
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-22.35	-19.13	-15.99	-12.92	-9.92	-6.99	-4.14
		Mz	0.36	0.33	0.30	0.27	0.24	0.21	0.18
	LAJE	N	300.971	300.971	300.971	300.971	300.971	300.971	300.971
		Vy	0.067	0.067	0.067	0.067	0.067	0.067	0.067
		Vz	-42.095	-42.095	-42.095	-42.095	-42.095	-42.095	-42.095
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-76.15	-68.74	-61.33	-53.92	-46.51	-39.10	-31.68
		Mz	0.16	0.15	0.14	0.12	0.11	0.10	0.09
	PAVIMENTAÇÃO	N	164.252	164.252	164.252	164.252	164.252	164.252	164.252
		Vy	0.037	0.037	0.037	0.037	0.037	0.037	0.037
		Vz	-22.970	-22.970	-22.970	-22.970	-22.970	-22.970	-22.970
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-41.55	-37.51	-33.46	-29.42	-25.38	-21.33	-17.29
		Mz	0.09	0.08	0.08	0.07	0.06	0.06	0.05
	RECAPEAMENTO	N	74.660	74.660	74.660	74.660	74.660	74.660	74.660
		Vy	0.017	0.017	0.017	0.017	0.017	0.017	0.017
		Vz	-10.441	-10.441	-10.441	-10.441	-10.441	-10.441	-10.441
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-18.89	-17.05	-15.21	-13.37	-11.53	-9.70	-7.86
		Mz	0.04	0.04	0.03	0.03	0.03	0.03	0.02
	GUARDA-RODAS	N	40.451	40.451	40.451	40.451	40.451	40.451	40.451
		Vy	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vz	-5.668	-5.668	-5.668	-5.668	-5.668	-5.668	-5.668
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-10.26	-9.26	-8.26	-7.26	-6.26	-5.27	-4.27
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	Vento 0	N	8.737	8.737	8.737	8.737	8.737	8.737	8.737
		Vy	19.455	19.719	19.983	20.247	20.511	20.776	21.040
		Vz	0.332	0.332	0.332	0.332	0.332	0.332	0.332
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.01	-0.05	-0.11	-0.17	-0.23	-0.28	-0.34
		Mz	55.72	52.27	48.78	45.23	41.65	38.01	34.33
	Vento 180	N	-22.788	-22.788	-22.788	-22.788	-22.788	-22.788	-22.788
		Vy	-15.978	-15.978	-15.978	-15.978	-15.978	-15.978	-15.978
		Vz	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	0.79	0.78	0.78	0.78	0.77	0.77	0.77
		Mz	-41.21	-38.40	-35.59	-32.77	-29.96	-27.15	-24.34

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
	Multidão - Passeio	N	52.387	52.387	52.387	52.387	52.387	52.387	52.387
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-7.357	-7.357	-7.357	-7.357	-7.357	-7.357	-7.357
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-13.32	-12.02	-10.73	-9.43	-8.14	-6.84	-5.55
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	Multidão - TB450	N	171.857	171.857	171.857	171.857	171.857	171.857	171.857
		Vy	0.052	0.052	0.052	0.052	0.052	0.052	0.052
		Vz	-23.994	-23.994	-23.994	-23.994	-23.994	-23.994	-23.994
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-43.40	-39.17	-34.95	-30.72	-26.50	-22.27	-18.05
		Mz	0.12	0.11	0.10	0.09	0.08	0.07	0.06
	TB-450 - A1	N	16.014	16.014	16.014	16.014	16.014	16.014	16.014
		Vy	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014
		Vz	-2.146	-2.146	-2.146	-2.146	-2.146	-2.146	-2.146
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-6.49	-6.11	-5.73	-5.35	-4.98	-4.60	-4.22
		Mz	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
	TB-450 - A2	N	6.488	6.488	6.488	6.488	6.488	6.488	6.488
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-0.915	-0.915	-0.915	-0.915	-0.915	-0.915	-0.915
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.77	-2.61	-2.45	-2.29	-2.12	-1.96	-1.80
		Mz	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
	TB-450 - B1	N	48.862	48.862	48.862	48.862	48.862	48.862	48.862
		Vy	-0.176	-0.176	-0.176	-0.176	-0.176	-0.176	-0.176
		Vz	-6.290	-6.290	-6.290	-6.290	-6.290	-6.290	-6.290
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-18.98	-17.87	-16.76	-15.66	-14.55	-13.44	-12.33
		Mz	-0.35	-0.32	-0.29	-0.26	-0.22	-0.19	-0.16
	TB-450 - B2	N	20.849	20.849	20.849	20.849	20.849	20.849	20.849
		Vy	0.192	0.192	0.192	0.192	0.192	0.192	0.192
		Vz	-2.665	-2.665	-2.665	-2.665	-2.665	-2.665	-2.665
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-8.04	-7.57	-7.10	-6.63	-6.16	-5.69	-5.22
		Mz	0.39	0.35	0.32	0.29	0.25	0.22	0.19
	TB-450 - C1	N	80.631	80.631	80.631	80.631	80.631	80.631	80.631
		Vy	-0.200	-0.200	-0.200	-0.200	-0.200	-0.200	-0.200
		Vz	-10.639	-10.639	-10.639	-10.639	-10.639	-10.639	-10.639
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-31.11	-29.24	-27.36	-25.49	-23.62	-21.74	-19.87
		Mz	-0.38	-0.34	-0.31	-0.27	-0.23	-0.20	-0.16
	TB-450 - C2	N	34.318	34.318	34.318	34.318	34.318	34.318	34.318
		Vy	0.229	0.229	0.229	0.229	0.229	0.229	0.229
		Vz	-4.500	-4.500	-4.500	-4.500	-4.500	-4.500	-4.500
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-13.15	-12.36	-11.57	-10.78	-9.98	-9.19	-8.40
		Mz	0.45	0.41	0.37	0.33	0.29	0.25	0.21
	TB-450 - D1	N	107.773	107.773	107.773	107.773	107.773	107.773	107.773

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Vy	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082
		Vz	-23.260	-23.260	-23.260	-23.260	-23.260	-23.260	-23.260
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-37.23	-33.13	-29.04	-24.94	-20.85	-16.75	-12.66
		Mz	-0.17	-0.15	-0.14	-0.12	-0.11	-0.09	-0.08
	TB-450 - D2	N	45.641	45.641	45.641	45.641	45.641	45.641	45.641
		Vy	0.128	0.128	0.128	0.128	0.128	0.128	0.128
		Vz	-9.814	-9.814	-9.814	-9.814	-9.814	-9.814	-9.814
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-15.71	-13.98	-12.25	-10.52	-8.80	-7.07	-5.34
		Mz	0.27	0.25	0.23	0.20	0.18	0.16	0.14
	TB-450 - E1	N	69.942	69.942	69.942	69.942	69.942	69.942	69.942
		Vy	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046
		Vz	-3.130	-3.130	-3.130	-3.130	-3.130	-3.130	-3.130
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.59	12.14	12.69	13.24	13.79	14.34	14.89
		Mz	-0.11	-0.10	-0.09	-0.08	-0.08	-0.07	-0.06
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N29/N215	Peso próprio	N	145.373	145.413	145.454	145.495	145.536	145.576	145.617
		Vy	0.172	0.172	0.172	0.172	0.172	0.172	0.172
		Vz	-16.009	-15.598	-15.188	-14.777	-14.366	-13.955	-13.544
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.14	-1.35	1.36	3.99	6.56	9.05	11.47
		Mz	0.18	0.15	0.12	0.09	0.06	0.03	0.00
	LAJE	N	300.971	300.971	300.971	300.971	300.971	300.971	300.971
		Vy	0.067	0.067	0.067	0.067	0.067	0.067	0.067
		Vz	-42.095	-42.095	-42.095	-42.095	-42.095	-42.095	-42.095
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-31.68	-24.27	-16.86	-9.45	-2.04	5.37	12.78
		Mz	0.09	0.08	0.06	0.05	0.04	0.03	0.02
	PAVIMENTAÇÃO	N	164.252	164.252	164.252	164.252	164.252	164.252	164.252
		Vy	0.037	0.037	0.037	0.037	0.037	0.037	0.037
		Vz	-22.970	-22.970	-22.970	-22.970	-22.970	-22.970	-22.970
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-17.29	-13.24	-9.20	-5.16	-1.11	2.93	6.98
		Mz	0.05	0.04	0.04	0.03	0.02	0.02	0.01
	RECAPEAMENTO	N	74.660	74.660	74.660	74.660	74.660	74.660	74.660
		Vy	0.017	0.017	0.017	0.017	0.017	0.017	0.017
		Vz	-10.441	-10.441	-10.441	-10.441	-10.441	-10.441	-10.441
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		My	-7.86	-6.02	-4.18	-2.34	-0.51	1.33	3.17
		Mz	0.02	0.02	0.02	0.01	0.01	0.01	0.00
	GUARDA-RODAS	N	40.451	40.451	40.451	40.451	40.451	40.451	40.451
		Vy	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vz	-5.668	-5.668	-5.668	-5.668	-5.668	-5.668	-5.668
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.27	-3.27	-2.27	-1.27	-0.28	0.72	1.72
		Mz	0.01	0.01	0.01	0.01	0.00	0.00	0.00
	Vento 0	N	8.737	8.737	8.737	8.737	8.737	8.737	8.737
		Vy	21.040	21.304	21.568	21.832	22.096	22.360	22.624
		Vz	0.332	0.332	0.332	0.332	0.332	0.332	0.332
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.34	-0.40	-0.46	-0.52	-0.58	-0.64	-0.69
		Mz	34.33	30.60	26.83	23.01	19.14	15.23	11.27
	Vento 180	N	-22.788	-22.788	-22.788	-22.788	-22.788	-22.788	-22.788
		Vy	-15.978	-15.978	-15.978	-15.978	-15.978	-15.978	-15.978
		Vz	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	0.77	0.77	0.76	0.76	0.76	0.75	0.75
		Mz	-24.34	-21.52	-18.71	-15.90	-13.08	-10.27	-7.46
	Multidão - Passeio	N	52.387	52.387	52.387	52.387	52.387	52.387	52.387
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-7.357	-7.357	-7.357	-7.357	-7.357	-7.357	-7.357
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.55	-4.25	-2.95	-1.66	-0.36	0.93	2.23
		Mz	0.01	0.01	0.01	0.01	0.01	0.00	0.00
	Multidão - TB450	N	171.857	171.857	171.857	171.857	171.857	171.857	171.857
		Vy	0.052	0.052	0.052	0.052	0.052	0.052	0.052
		Vz	-23.994	-23.994	-23.994	-23.994	-23.994	-23.994	-23.994
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-18.05	-13.82	-9.60	-5.38	-1.15	3.07	7.30
		Mz	0.06	0.05	0.04	0.04	0.03	0.02	0.01
	TB-450 - A1	N	16.014	16.014	16.014	16.014	16.014	16.014	16.014
		Vy	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014
		Vz	-2.146	-2.146	-2.146	-2.146	-2.146	-2.146	-2.146
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.22	-3.84	-3.46	-3.09	-2.71	-2.33	-1.95
		Mz	0.00	0.00	0.01	0.01	0.01	0.01	0.02
	TB-450 - A2	N	6.488	6.488	6.488	6.488	6.488	6.488	6.488
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-0.915	-0.915	-0.915	-0.915	-0.915	-0.915	-0.915
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.80	-1.64	-1.48	-1.32	-1.16	-1.00	-0.84
		Mz	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - B1	N	48.862	48.862	48.862	48.862	48.862	48.862	48.862
		Vy	-0.176	-0.176	-0.176	-0.176	-0.176	-0.176	-0.176
		Vz	-6.290	-6.290	-6.290	-6.290	-6.290	-6.290	-6.290
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-12.33	-11.23	-10.12	-9.01	-7.90	-6.80	-5.69

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Mz	-0.16	-0.13	-0.10	-0.07	-0.04	-0.01	0.02
	TB-450 - B2	N	20.849	20.849	20.849	20.849	20.849	20.849	20.849
		Vy	0.192	0.192	0.192	0.192	0.192	0.192	0.192
		Vz	-2.665	-2.665	-2.665	-2.665	-2.665	-2.665	-2.665
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.22	-4.76	-4.29	-3.82	-3.35	-2.88	-2.41
		Mz	0.19	0.15	0.12	0.08	0.05	0.02	-0.02
	TB-450 - C1	N	80.631	80.631	80.631	80.631	80.631	80.631	80.631
		Vy	-0.200	-0.200	-0.200	-0.200	-0.200	-0.200	-0.200
		Vz	-10.639	-10.639	-10.639	-10.639	-10.639	-10.639	-10.639
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-19.87	-18.00	-16.12	-14.25	-12.38	-10.50	-8.63
		Mz	-0.16	-0.13	-0.09	-0.06	-0.02	0.01	0.05
	TB-450 - C2	N	34.318	34.318	34.318	34.318	34.318	34.318	34.318
		Vy	0.229	0.229	0.229	0.229	0.229	0.229	0.229
		Vz	-4.500	-4.500	-4.500	-4.500	-4.500	-4.500	-4.500
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-8.40	-7.61	-6.81	-6.02	-5.23	-4.44	-3.65
		Mz	0.21	0.17	0.13	0.09	0.05	0.01	-0.04
	TB-450 - D1	N	107.773	107.773	107.773	107.773	107.773	107.773	107.773
		Vy	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082
		Vz	-23.260	-23.260	-23.260	-23.260	-23.260	-23.260	-23.260
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-12.66	-8.56	-4.47	-0.37	3.72	7.82	11.92
		Mz	-0.08	-0.07	-0.05	-0.04	-0.02	-0.01	0.01
	TB-450 - D2	N	45.641	45.641	45.641	45.641	45.641	45.641	45.641
		Vy	0.128	0.128	0.128	0.128	0.128	0.128	0.128
		Vz	-9.814	-9.814	-9.814	-9.814	-9.814	-9.814	-9.814
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.34	-3.61	-1.88	-0.16	1.57	3.30	5.03
		Mz	0.14	0.11	0.09	0.07	0.05	0.02	0.00
	TB-450 - E1	N	69.942	69.942	69.942	69.942	69.942	69.942	69.942
		Vy	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046
		Vz	-3.130	-3.130	-3.130	-3.130	-3.130	-3.130	-3.130
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.89	15.45	16.00	16.55	17.10	17.65	18.20
		Mz	-0.06	-0.05	-0.04	-0.04	-0.03	-0.02	-0.01
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N215/N28	Peso próprio	N	158.052	158.081	158.110
		Vy	0.173	0.173	0.173

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-141.831	-141.540	-141.248
		Mt	0.00	0.00	0.00
		My	-14.33	3.38	21.06
		Mz	0.00	-0.02	-0.05
	LAJE	N	332.195	332.195	332.195
		Vy	0.067	0.067	0.067
		Vz	-382.701	-382.701	-382.701
		Mt	-0.01	-0.01	-0.01
		My	-53.04	-5.20	42.64
		Mz	0.02	0.01	0.00
	PAVIMENTAÇÃO	N	181.290	181.290	181.290
		Vy	0.038	0.038	0.038
		Vz	-208.828	-208.828	-208.828
		Mt	0.00	0.00	0.00
		My	-28.94	-2.84	23.27
		Mz	0.01	0.00	0.00
	RECAPEAMENTO	N	82.405	82.405	82.405
		Vy	0.017	0.017	0.017
		Vz	-94.922	-94.922	-94.922
		Mt	0.00	0.00	0.00
		My	-13.15	-1.29	10.58
		Mz	0.00	0.00	0.00
	GUARDA-RODAS	N	44.655	44.655	44.655
		Vy	0.006	0.006	0.006
		Vz	-51.529	-51.529	-51.529
		Mt	0.00	0.00	0.00
		My	-7.14	-0.70	5.74
		Mz	0.00	0.00	0.00
	Vento 0	N	9.242	9.242	9.242
		Vy	25.168	25.355	25.543
		Vz	-5.109	-5.109	-5.109
		Mt	0.00	0.00	0.00
		My	-1.78	-1.14	-0.50
		Mz	11.29	8.13	4.95
	Vento 180	N	-23.461	-23.461	-23.461
		Vy	-15.984	-15.984	-15.984
		Vz	7.168	7.168	7.168
		Mt	0.03	0.03	0.03
		My	2.21	1.31	0.42
		Mz	-7.45	-5.46	-3.46
	Multidão - Passeio	N	57.844	57.844	57.844
		Vy	0.002	0.002	0.002
		Vz	-66.881	-66.881	-66.881
		Mt	0.00	0.00	0.00
		My	-9.28	-0.92	7.44
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	189.654	189.654	189.654
		Vy	0.053	0.053	0.053
		Vz	-218.142	-218.142	-218.142

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mt	0.00	0.00	0.00
		My	-30.22	-2.95	24.31
		Mz	0.01	0.00	-0.01
	TB-450 - A1	N	18.189	18.189	18.189
		Vy	-0.014	-0.014	-0.014
		Vz	-24.496	-24.496	-24.496
		Mt	0.00	0.00	0.00
		My	-6.76	-3.70	-0.63
		Mz	0.02	0.02	0.02
	TB-450 - A2	N	7.415	7.415	7.415
		Vy	-0.004	-0.004	-0.004
		Vz	-10.444	-10.444	-10.444
		Mt	0.00	0.00	0.00
		My	-2.88	-1.58	-0.27
		Mz	-0.01	-0.01	-0.01
	TB-450 - B1	N	55.238	55.238	55.238
		Vy	-0.176	-0.176	-0.176
		Vz	-71.809	-71.809	-71.809
		Mt	0.00	0.00	0.00
		My	-19.77	-10.80	-1.82
		Mz	0.02	0.05	0.07
	TB-450 - B2	N	23.556	23.556	23.556
		Vy	0.192	0.192	0.192
		Vz	-30.484	-30.484	-30.484
		Mt	0.00	0.00	0.00
		My	-8.39	-4.58	-0.77
		Mz	-0.02	-0.04	-0.07
	TB-450 - C1	N	91.085	91.085	91.085
		Vy	-0.200	-0.200	-0.200
		Vz	-118.133	-118.133	-118.133
		Mt	0.00	0.00	0.00
		My	-31.70	-16.93	-2.16
		Mz	0.05	0.07	0.10
	TB-450 - C2	N	38.745	38.745	38.745
		Vy	0.229	0.229	0.229
		Vz	-50.029	-50.029	-50.029
		Mt	0.00	0.00	0.00
		My	-13.41	-7.16	-0.91
		Mz	-0.03	-0.06	-0.09
	TB-450 - D1	N	120.237	120.237	120.237
		Vy	-0.081	-0.081	-0.081
		Vz	-160.923	-160.923	-160.923
		Mt	-0.01	-0.01	-0.01
		My	-14.18	5.93	26.05
		Mz	0.01	0.02	0.03
	TB-450 - D2	N	50.907	50.907	50.907
		Vy	0.128	0.128	0.128
		Vz	-67.983	-67.983	-67.983
		Mt	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		My	-6.00	2.50	10.99
		Mz	0.00	-0.02	-0.03
	TB-450 - E1	N	72.179	72.179	72.179
		Vy	-0.046	-0.046	-0.046
		Vz	-37.808	-37.808	-37.808
		Mt	-0.01	-0.01	-0.01
		My	15.20	19.92	24.65
		Mz	-0.01	-0.01	0.00
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N28/N214	Peso próprio	N	161.189	161.218	161.247
		Vy	0.212	0.212	0.212
		Vz	-103.709	-103.417	-103.125
		Mt	0.01	0.01	0.01
		My	19.94	32.89	45.80
		Mz	0.06	0.03	0.01
	LAJE	N	345.258	345.258	345.258
		Vy	0.153	0.153	0.153
		Vz	-271.022	-271.022	-271.022
		Mt	0.00	0.00	0.00
		My	39.32	73.20	107.08
		Mz	0.22	0.20	0.18
	PAVIMENTAÇÃO	N	188.451	188.451	188.451
		Vy	0.085	0.085	0.085
		Vz	-147.887	-147.887	-147.887
		Mt	0.00	0.00	0.00
		My	21.46	39.94	58.43
		Mz	0.12	0.11	0.10
	RECAPEAMENTO	N	85.659	85.659	85.659
		Vy	0.039	0.039	0.039
		Vz	-67.221	-67.221	-67.221
		Mt	0.00	0.00	0.00
		My	9.75	18.16	26.56
		Mz	0.06	0.05	0.05
	GUARDA-RODAS	N	46.307	46.307	46.307
		Vy	0.015	0.015	0.015
		Vz	-36.495	-36.495	-36.495
		Mt	0.00	0.00	0.00
		My	5.29	9.85	14.42
		Mz	0.02	0.02	0.02
	Vento 0	N	26.719	26.719	26.719

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	5.986	6.174	6.361
		Vz	-5.933	-5.933	-5.933
		Mt	0.01	0.01	0.01
		My	-0.49	0.25	0.99
		Mz	5.29	4.53	3.74
	Vento 180	N	-33.168	-33.168	-33.168
		Vy	-10.119	-10.119	-10.119
		Vz	7.622	7.622	7.622
		Mt	0.03	0.03	0.03
		My	0.41	-0.54	-1.50
		Mz	-3.50	-2.23	-0.97
	Multidão - Passeio	N	59.820	59.820	59.820
		Vy	0.012	0.012	0.012
		Vz	-47.374	-47.374	-47.374
		Mt	0.00	0.00	0.00
		My	6.86	12.79	18.71
		Mz	0.02	0.01	0.01
	Multidão - TB450	N	197.540	197.540	197.540
		Vy	0.109	0.109	0.109
		Vz	-154.469	-154.469	-154.469
		Mt	0.00	0.00	0.00
		My	22.43	41.74	61.04
		Mz	0.16	0.15	0.13
	TB-450 - A1	N	17.579	17.579	17.579
		Vy	-0.014	-0.014	-0.014
		Vz	-24.496	-24.496	-24.496
		Mt	0.00	0.00	0.00
		My	-0.63	2.43	5.49
		Mz	0.02	0.02	0.02
	TB-450 - A2	N	6.811	6.811	6.811
		Vy	0.014	0.014	0.014
		Vz	-10.443	-10.443	-10.443
		Mt	0.00	0.00	0.00
		My	-0.27	1.03	2.34
		Mz	-0.01	-0.01	-0.01
	TB-450 - B1	N	55.692	55.692	55.692
		Vy	-0.289	-0.289	-0.289
		Vz	-71.802	-71.802	-71.802
		Mt	0.00	0.00	0.00
		My	-1.82	7.15	16.13
		Mz	0.07	0.11	0.14
	TB-450 - B2	N	24.324	24.324	24.324
		Vy	0.302	0.302	0.302
		Vz	-30.467	-30.467	-30.467
		Mt	0.00	0.00	0.00
		My	-0.77	3.04	6.85
		Mz	-0.07	-0.10	-0.14
	TB-450 - C1	N	92.050	92.050	92.050
		Vy	-0.336	-0.336	-0.336

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-118.119	-118.119	-118.119
		Mt	0.00	0.00	0.00
		My	-2.16	12.60	27.37
		Mz	0.10	0.14	0.18
	TB-450 - C2	N	40.070	40.070	40.070
		Vy	0.359	0.359	0.359
		Vz	-50.002	-50.002	-50.002
		Mt	0.00	0.00	0.00
		My	-0.91	5.34	11.59
		Mz	-0.09	-0.14	-0.18
	TB-450 - D1	N	128.330	128.330	128.330
		Vy	-0.107	-0.107	-0.107
		Vz	-100.647	-100.647	-100.647
		Mt	0.00	0.00	0.00
		My	24.26	36.84	49.42
		Mz	0.15	0.17	0.18
	TB-450 - D2	N	55.856	55.856	55.856
		Vy	0.236	0.236	0.236
		Vz	-42.546	-42.546	-42.546
		Mt	0.00	0.00	0.00
		My	10.24	15.56	20.88
		Mz	0.05	0.02	-0.01
	TB-450 - E1	N	77.193	77.193	77.193
		Vy	-0.105	-0.105	-0.105
		Vz	22.553	22.553	22.553
		Mt	0.00	0.00	0.00
		My	22.86	20.04	17.22
		Mz	0.13	0.14	0.15
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações								
Barra	Hipótese	Esforço	Posições na barra					
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N214/N27	Peso próprio	N	190.622	190.662	190.703	190.744	190.785	190.825	190.866
		Vy	0.212	0.212	0.212	0.212	0.212	0.212	0.212
		Vz	-3.404	-2.993	-2.583	-2.172	-1.761	-1.350	-0.939
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	18.08	18.64	19.13	19.55	19.89	20.17	20.37
		Mz	0.01	-0.03	-0.07	-0.10	-0.14	-0.18	-0.22
	LAJE	N	424.266	424.266	424.266	424.266	424.266	424.266	424.266
		Vy	0.154	0.154	0.154	0.154	0.154	0.154	0.154
		Vz	-10.133	-10.133	-10.133	-10.133	-10.133	-10.133	-10.133
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	30.28	32.06	33.84	35.63	37.41	39.20	40.98

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Mz	0.19	0.16	0.13	0.10	0.08	0.05	0.02
	PAVIMENTAÇÃO	N	231.563	231.563	231.563	231.563	231.563	231.563	231.563
		Vy	0.086	0.086	0.086	0.086	0.086	0.086	0.086
		Vz	-5.529	-5.529	-5.529	-5.529	-5.529	-5.529	-5.529
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	16.52	17.50	18.47	19.44	20.42	21.39	22.36
		Mz	0.10	0.09	0.07	0.06	0.04	0.03	0.01
	RECAPEAMENTO	N	105.256	105.256	105.256	105.256	105.256	105.256	105.256
		Vy	0.039	0.039	0.039	0.039	0.039	0.039	0.039
		Vz	-2.513	-2.513	-2.513	-2.513	-2.513	-2.513	-2.513
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.51	7.95	8.39	8.84	9.28	9.72	10.16
		Mz	0.05	0.04	0.03	0.03	0.02	0.01	0.01
	GUARDA-RODAS	N	56.946	56.946	56.946	56.946	56.946	56.946	56.946
		Vy	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vz	-1.366	-1.366	-1.366	-1.366	-1.366	-1.366	-1.366
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.07	4.31	4.55	4.80	5.04	5.28	5.52
		Mz	0.02	0.02	0.01	0.01	0.01	0.00	0.00
	Vento 0	N	28.399	28.399	28.399	28.399	28.399	28.399	28.399
		Vy	8.981	9.245	9.509	9.773	10.037	10.301	10.566
		Vz	-0.237	-0.237	-0.237	-0.237	-0.237	-0.237	-0.237
		Mt	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		My	-0.50	-0.46	-0.42	-0.38	-0.34	-0.29	-0.25
		Mz	3.57	1.97	0.32	-1.38	-3.13	-4.92	-6.75
	Vento 180	N	-35.361	-35.361	-35.361	-35.361	-35.361	-35.361	-35.361
		Vy	-10.121	-10.121	-10.121	-10.121	-10.121	-10.121	-10.121
		Vz	0.216	0.216	0.216	0.216	0.216	0.216	0.216
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	0.49	0.45	0.41	0.37	0.33	0.29	0.26
		Mz	-0.96	0.82	2.60	4.39	6.17	7.95	9.73
	Multidão - Passeio	N	73.630	73.630	73.630	73.630	73.630	73.630	73.630
		Vy	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Vz	-1.774	-1.774	-1.774	-1.774	-1.774	-1.774	-1.774
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.28	5.60	5.91	6.22	6.53	6.85	7.16
		Mz	0.01	0.01	0.01	0.01	0.00	0.00	0.00
	Multidão - TB450	N	242.573	242.573	242.573	242.573	242.573	242.573	242.573
		Vy	0.110	0.110	0.110	0.110	0.110	0.110	0.110
		Vz	-5.771	-5.771	-5.771	-5.771	-5.771	-5.771	-5.771
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	17.27	18.28	19.30	20.32	21.33	22.35	23.36
		Mz	0.13	0.12	0.10	0.08	0.06	0.04	0.02
	TB-450 - A1	N	24.700	24.700	24.700	24.700	24.700	24.700	24.700
		Vy	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014
		Vz	-0.525	-0.525	-0.525	-0.525	-0.525	-0.525	-0.525
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.02	-0.93	-0.84	-0.74	-0.65	-0.56	-0.47
		Mz	0.02	0.02	0.03	0.03	0.03	0.03	0.04

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
	TB-450 - A2	N	9.846	9.846	9.846	9.846	9.846	9.846	9.846
		Vy	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vz	-0.226	-0.226	-0.226	-0.226	-0.226	-0.226	-0.226
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.44	-0.40	-0.36	-0.32	-0.28	-0.24	-0.20
		Mz	-0.01	-0.02	-0.02	-0.02	-0.02	-0.03	-0.03
	TB-450 - B1	N	76.554	76.554	76.554	76.554	76.554	76.554	76.554
		Vy	-0.289	-0.289	-0.289	-0.289	-0.289	-0.289	-0.289
		Vz	-1.566	-1.566	-1.566	-1.566	-1.566	-1.566	-1.566
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.94	-2.67	-2.39	-2.12	-1.84	-1.56	-1.29
		Mz	0.14	0.19	0.25	0.30	0.35	0.40	0.45
	TB-450 - B2	N	33.178	33.178	33.178	33.178	33.178	33.178	33.178
		Vy	0.303	0.303	0.303	0.303	0.303	0.303	0.303
		Vz	-0.658	-0.658	-0.658	-0.658	-0.658	-0.658	-0.658
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.24	-1.13	-1.01	-0.90	-0.78	-0.67	-0.55
		Mz	-0.14	-0.19	-0.25	-0.30	-0.35	-0.41	-0.46
	TB-450 - C1	N	126.016	126.016	126.016	126.016	126.016	126.016	126.016
		Vy	-0.337	-0.337	-0.337	-0.337	-0.337	-0.337	-0.337
		Vz	-3.661	-3.661	-3.661	-3.661	-3.661	-3.661	-3.661
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.65	-3.00	-2.36	-1.71	-1.07	-0.43	0.22
		Mz	0.18	0.24	0.30	0.36	0.42	0.48	0.54
	TB-450 - C2	N	54.451	54.451	54.451	54.451	54.451	54.451	54.451
		Vy	0.360	0.360	0.360	0.360	0.360	0.360	0.360
		Vz	-1.540	-1.540	-1.540	-1.540	-1.540	-1.540	-1.540
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.54	-1.27	-1.00	-0.73	-0.45	-0.18	0.09
		Mz	-0.18	-0.24	-0.31	-0.37	-0.43	-0.50	-0.56
	TB-450 - D1	N	155.707	155.707	155.707	155.707	155.707	155.707	155.707
		Vy	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107
		Vz	-11.420	-11.420	-11.420	-11.420	-11.420	-11.420	-11.420
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	21.55	23.56	25.57	27.58	29.59	31.60	33.61
		Mz	0.18	0.20	0.22	0.24	0.26	0.28	0.29
	TB-450 - D2	N	67.432	67.432	67.432	67.432	67.432	67.432	67.432
		Vy	0.237	0.237	0.237	0.237	0.237	0.237	0.237
		Vz	-4.813	-4.813	-4.813	-4.813	-4.813	-4.813	-4.813
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.09	9.94	10.79	11.64	12.48	13.33	14.18
		Mz	-0.01	-0.05	-0.09	-0.13	-0.17	-0.22	-0.26
	TB-450 - E1	N	73.137	73.137	73.137	73.137	73.137	73.137	73.137
		Vy	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105
		Vz	6.219	6.219	6.219	6.219	6.219	6.219	6.219
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	18.80	17.70	16.61	15.51	14.42	13.32	12.23
		Mz	0.15	0.17	0.19	0.21	0.22	0.24	0.26
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N27/N217	Peso próprio	N	190.866	190.907	190.948	190.988	191.029	191.070	191.111
		Vy	0.212	0.212	0.212	0.212	0.212	0.212	0.212
		Vz	-0.939	-0.528	-0.118	0.293	0.704	1.115	1.526
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	20.37	20.50	20.56	20.54	20.45	20.29	20.06
		Mz	-0.22	-0.25	-0.29	-0.33	-0.37	-0.40	-0.44
	LAJE	N	424.266	424.266	424.266	424.266	424.266	424.266	424.266
		Vy	0.154	0.154	0.154	0.154	0.154	0.154	0.154
		Vz	-10.133	-10.133	-10.133	-10.133	-10.133	-10.133	-10.133
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	40.98	42.76	44.55	46.33	48.12	49.90	51.68
		Mz	0.02	0.00	-0.03	-0.06	-0.09	-0.11	-0.14
	PAVIMENTAÇÃO	N	231.563	231.563	231.563	231.563	231.563	231.563	231.563
		Vy	0.086	0.086	0.086	0.086	0.086	0.086	0.086
		Vz	-5.529	-5.529	-5.529	-5.529	-5.529	-5.529	-5.529
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	22.36	23.34	24.31	25.28	26.26	27.23	28.20
		Mz	0.01	0.00	-0.02	-0.03	-0.05	-0.06	-0.08
	RECAPEAMENTO	N	105.256	105.256	105.256	105.256	105.256	105.256	105.256
		Vy	0.039	0.039	0.039	0.039	0.039	0.039	0.039
		Vz	-2.513	-2.513	-2.513	-2.513	-2.513	-2.513	-2.513
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	10.16	10.61	11.05	11.49	11.93	12.38	12.82
		Mz	0.01	0.00	-0.01	-0.01	-0.02	-0.03	-0.04
	GUARDA-RODAS	N	56.946	56.946	56.946	56.946	56.946	56.946	56.946
		Vy	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vz	-1.366	-1.366	-1.366	-1.366	-1.366	-1.366	-1.366
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.52	5.76	6.00	6.24	6.48	6.72	6.96
		Mz	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01
	Vento 0	N	28.399	28.399	28.399	28.399	28.399	28.399	28.399
		Vy	10.566	10.830	11.094	11.358	11.622	11.886	12.150
		Vz	-0.237	-0.237	-0.237	-0.237	-0.237	-0.237	-0.237
		Mt	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		My	-0.25	-0.21	-0.17	-0.13	-0.09	-0.04	0.00
		Mz	-6.75	-8.64	-10.57	-12.54	-14.57	-16.64	-18.75
	Vento 180	N	-35.361	-35.361	-35.361	-35.361	-35.361	-35.361	-35.361
		Vy	-10.121	-10.121	-10.121	-10.121	-10.121	-10.121	-10.121
		Vz	0.216	0.216	0.216	0.216	0.216	0.216	0.216
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		My	0.26	0.22	0.18	0.14	0.10	0.07	0.03
		Mz	9.73	11.51	13.30	15.08	16.86	18.64	20.42
	Multidão - Passeio	N	73.630	73.630	73.630	73.630	73.630	73.630	73.630
		Vy	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Vz	-1.774	-1.774	-1.774	-1.774	-1.774	-1.774	-1.774
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.16	7.47	7.78	8.10	8.41	8.72	9.03
		Mz	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01
	Multidão - TB450	N	242.573	242.573	242.573	242.573	242.573	242.573	242.573
		Vy	0.110	0.110	0.110	0.110	0.110	0.110	0.110
		Vz	-5.771	-5.771	-5.771	-5.771	-5.771	-5.771	-5.771
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	23.36	24.38	25.40	26.41	27.43	28.44	29.46
		Mz	0.02	0.00	-0.02	-0.04	-0.06	-0.08	-0.10
	TB-450 - A1	N	24.700	24.700	24.700	24.700	24.700	24.700	24.700
		Vy	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014
		Vz	-0.525	-0.525	-0.525	-0.525	-0.525	-0.525	-0.525
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.47	-0.37	-0.28	-0.19	-0.10	0.00	0.09
		Mz	0.04	0.04	0.04	0.04	0.05	0.05	0.05
	TB-450 - A2	N	9.846	9.846	9.846	9.846	9.846	9.846	9.846
		Vy	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vz	-0.226	-0.226	-0.226	-0.226	-0.226	-0.226	-0.226
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.20	-0.16	-0.12	-0.08	-0.04	0.00	0.04
		Mz	-0.03	-0.03	-0.03	-0.04	-0.04	-0.04	-0.04
	TB-450 - B1	N	76.554	76.554	76.554	76.554	76.554	76.554	76.554
		Vy	-0.289	-0.289	-0.289	-0.289	-0.289	-0.289	-0.289
		Vz	-1.566	-1.566	-1.566	-1.566	-1.566	-1.566	-1.566
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.29	-1.01	-0.74	-0.46	-0.19	0.09	0.37
		Mz	0.45	0.50	0.55	0.60	0.65	0.70	0.75
	TB-450 - B2	N	33.178	33.178	33.178	33.178	33.178	33.178	33.178
		Vy	0.303	0.303	0.303	0.303	0.303	0.303	0.303
		Vz	-0.658	-0.658	-0.658	-0.658	-0.658	-0.658	-0.658
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.55	-0.43	-0.32	-0.20	-0.09	0.03	0.15
		Mz	-0.46	-0.51	-0.57	-0.62	-0.67	-0.73	-0.78
	TB-450 - C1	N	126.016	126.016	126.016	126.016	126.016	126.016	126.016
		Vy	-0.337	-0.337	-0.337	-0.337	-0.337	-0.337	-0.337
		Vz	-3.661	-3.661	-3.661	-3.661	-3.661	-3.661	-3.661
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.22	0.86	1.51	2.15	2.80	3.44	4.09
		Mz	0.54	0.60	0.66	0.72	0.78	0.84	0.89
	TB-450 - C2	N	54.451	54.451	54.451	54.451	54.451	54.451	54.451
		Vy	0.360	0.360	0.360	0.360	0.360	0.360	0.360
		Vz	-1.540	-1.540	-1.540	-1.540	-1.540	-1.540	-1.540
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.09	0.36	0.63	0.90	1.17	1.44	1.71

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Mz	-0.56	-0.62	-0.69	-0.75	-0.81	-0.88	-0.94
	TB-450 - D1	N	155.707	155.707	155.707	155.707	155.707	155.707	155.707
		Vy	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107
		Vz	-11.420	-11.420	-11.420	-11.420	-11.420	-11.420	-11.420
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	33.61	35.62	37.63	39.64	41.65	43.66	45.67
		Mz	0.29	0.31	0.33	0.35	0.37	0.39	0.41
	TB-450 - D2	N	67.432	67.432	67.432	67.432	67.432	67.432	67.432
		Vy	0.237	0.237	0.237	0.237	0.237	0.237	0.237
		Vz	-4.813	-4.813	-4.813	-4.813	-4.813	-4.813	-4.813
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.18	15.03	15.87	16.72	17.57	18.41	19.26
		Mz	-0.26	-0.30	-0.34	-0.38	-0.42	-0.47	-0.51
	TB-450 - E1	N	73.137	73.137	73.137	73.137	73.137	73.137	73.137
		Vy	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105
		Vz	6.219	6.219	6.219	6.219	6.219	6.219	6.219
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	12.23	11.13	10.04	8.95	7.85	6.76	5.66
		Mz	0.26	0.28	0.30	0.32	0.34	0.35	0.37
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N217/N26	Peso próprio	N	200.160	200.189	200.218
		Vy	0.213	0.213	0.213
		Vz	-83.050	-82.758	-82.466
		Mt	0.00	0.00	0.00
		My	1.19	11.55	21.87
		Mz	-0.44	-0.47	-0.49
	LAJE	N	450.360	450.360	450.360
		Vy	0.154	0.154	0.154
		Vz	-286.192	-286.192	-286.192
		Mt	0.00	0.00	0.00
		My	-2.30	33.48	69.25
		Mz	-0.14	-0.16	-0.18
	PAVIMENTAÇÃO	N	245.801	245.801	245.801
		Vy	0.086	0.086	0.086
		Vz	-156.165	-156.165	-156.165
		Mt	0.00	0.00	0.00
		My	-1.25	18.27	37.79
		Mz	-0.08	-0.09	-0.10
	RECAPEAMENTO	N	111.728	111.728	111.728
		Vy	0.039	0.039	0.039

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-70.984	-70.984	-70.984
		Mt	0.00	0.00	0.00
		My	-0.57	8.30	17.18
		Mz	-0.04	-0.04	-0.04
	GUARDA-RODAS	N	60.459	60.459	60.459
		Vy	0.015	0.015	0.015
		Vz	-38.538	-38.538	-38.538
		Mt	0.00	0.00	0.00
		My	-0.31	4.51	9.33
		Mz	-0.01	-0.02	-0.02
	Vento 0	N	29.022	29.022	29.022
		Vy	14.712	14.900	15.087
		Vz	-6.056	-6.056	-6.056
		Mt	-0.14	-0.14	-0.14
		My	-1.41	-0.65	0.11
		Mz	-18.75	-20.60	-22.47
	Vento 180	N	-36.165	-36.165	-36.165
		Vy	-10.143	-10.143	-10.143
		Vz	7.859	7.859	7.859
		Mt	0.17	0.17	0.17
		My	1.82	0.84	-0.14
		Mz	20.44	21.71	22.98
	Multidão - Passeio	N	78.190	78.190	78.190
		Vy	0.012	0.012	0.012
		Vz	-50.027	-50.027	-50.027
		Mt	0.00	0.00	0.00
		My	-0.40	5.85	12.11
		Mz	-0.01	-0.01	-0.01
	Multidão - TB450	N	257.446	257.446	257.446
		Vy	0.110	0.110	0.110
		Vz	-163.114	-163.114	-163.114
		Mt	0.00	0.00	0.00
		My	-1.31	19.08	39.47
		Mz	-0.10	-0.11	-0.12
	TB-450 - A1	N	27.246	27.246	27.246
		Vy	-0.014	-0.014	-0.014
		Vz	-25.686	-25.686	-25.686
		Mt	0.00	0.00	0.00
		My	-5.48	-2.27	0.94
		Mz	0.05	0.05	0.06
	TB-450 - A2	N	10.931	10.931	10.931
		Vy	0.014	0.014	0.014
		Vz	-10.951	-10.951	-10.951
		Mt	0.00	0.00	0.00
		My	-2.33	-0.96	0.40
		Mz	-0.04	-0.05	-0.05
	TB-450 - B1	N	84.008	84.008	84.008
		Vy	-0.290	-0.290	-0.290
		Vz	-75.225	-75.225	-75.225

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mt	0.01	0.01	0.01
		My	-15.95	-6.55	2.85
		Mz	0.76	0.79	0.83
	TB-450 - B2	N	36.343	36.343	36.343
		Vy	0.303	0.303	0.303
		Vz	-31.915	-31.915	-31.915
		Mt	-0.01	-0.01	-0.01
		My	-6.78	-2.79	1.20
		Mz	-0.78	-0.82	-0.86
	TB-450 - C1	N	137.850	137.850	137.850
		Vy	-0.338	-0.338	-0.338
		Vz	-120.709	-120.709	-120.709
		Mt	0.01	0.01	0.01
		My	-21.73	-6.64	8.44
		Mz	0.90	0.94	0.98
	TB-450 - C2	N	59.464	59.464	59.464
		Vy	0.360	0.360	0.360
		Vz	-51.097	-51.097	-51.097
		Mt	-0.01	-0.01	-0.01
		My	-9.22	-2.84	3.55
		Mz	-0.94	-0.99	-1.03
	TB-450 - D1	N	163.700	163.700	163.700
		Vy	-0.107	-0.107	-0.107
		Vz	-109.934	-109.934	-109.934
		Mt	0.00	0.00	0.00
		My	31.19	44.94	58.68
		Mz	0.41	0.42	0.43
	TB-450 - D2	N	70.815	70.815	70.815
		Vy	0.237	0.237	0.237
		Vz	-46.462	-46.462	-46.462
		Mt	0.00	0.00	0.00
		My	13.13	18.93	24.74
		Mz	-0.51	-0.54	-0.57
	TB-450 - E1	N	71.468	71.468	71.468
		Vy	-0.105	-0.105	-0.105
		Vz	22.659	22.659	22.659
		Mt	0.00	0.00	0.00
		My	9.61	6.77	3.94
		Mz	0.37	0.39	0.40
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N26/N216	Peso próprio	N	201.192	201.221	201.250
		Vy	-0.075	-0.075	-0.075
		Vz	-70.426	-70.135	-69.843
		Mt	0.00	0.00	0.00
		My	21.52	30.30	39.05
		Mz	-0.46	-0.45	-0.44
	LAJE	N	462.469	462.469	462.469
		Vy	-0.046	-0.046	-0.046
		Vz	-174.818	-174.818	-174.818
		Mt	0.00	0.00	0.00
		My	65.94	87.79	109.64
		Mz	-0.14	-0.14	-0.13
	PAVIMENTAÇÃO	N	252.425	252.425	252.425
		Vy	-0.026	-0.026	-0.026
		Vz	-95.394	-95.394	-95.394
		Mt	0.00	0.00	0.00
		My	35.98	47.90	59.83
		Mz	-0.08	-0.08	-0.07
	RECAPEAMENTO	N	114.739	114.739	114.739
		Vy	-0.012	-0.012	-0.012
		Vz	-43.361	-43.361	-43.361
		Mt	0.00	0.00	0.00
		My	16.35	21.77	27.19
		Mz	-0.04	-0.03	-0.03
	GUARDA-RODAS	N	62.038	62.038	62.038
		Vy	-0.004	-0.004	-0.004
		Vz	-23.533	-23.533	-23.533
		Mt	0.00	0.00	0.00
		My	8.88	11.82	14.76
		Mz	-0.01	-0.01	-0.01
	Vento 0	N	39.290	39.290	39.290
		Vy	-11.366	-11.179	-10.991
		Vz	-7.232	-7.232	-7.232
		Mt	-0.12	-0.12	-0.12
		My	0.12	1.03	1.93
		Mz	-22.03	-20.62	-19.23
	Vento 180	N	-36.132	-36.132	-36.132
		Vy	8.711	8.711	8.711
		Vz	8.966	8.966	8.966
		Mt	0.16	0.16	0.16
		My	-0.16	-1.28	-2.40
		Mz	22.74	21.65	20.56
	Multidão - Passeio	N	80.157	80.157	80.157
		Vy	-0.003	-0.003	-0.003
		Vz	-30.536	-30.536	-30.536
		Mt	0.00	0.00	0.00
		My	11.53	15.34	19.16
		Mz	-0.01	-0.01	-0.01
	Multidão - TB450	N	264.562	264.562	264.562

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	-0.034	-0.034	-0.034
		Vz	-99.669	-99.669	-99.669
		Mt	0.00	0.00	0.00
		My	37.58	50.04	62.50
		Mz	-0.10	-0.09	-0.09
	TB-450 - A1	N	27.101	27.101	27.101
		Vy	0.004	0.004	0.004
		Vz	-25.633	-25.633	-25.633
		Mt	0.00	0.00	0.00
		My	0.94	4.14	7.35
		Mz	0.07	0.07	0.07
	TB-450 - A2	N	10.786	10.786	10.786
		Vy	0.018	0.018	0.018
		Vz	-10.899	-10.899	-10.899
		Mt	0.00	0.00	0.00
		My	0.40	1.77	3.13
		Mz	-0.03	-0.03	-0.04
	TB-450 - B1	N	84.519	84.519	84.519
		Vy	0.136	0.136	0.136
		Vz	-75.259	-75.259	-75.259
		Mt	0.01	0.01	0.01
		My	2.85	12.26	21.67
		Mz	0.80	0.79	0.77
	TB-450 - B2	N	37.262	37.262	37.262
		Vy	-0.165	-0.165	-0.165
		Vz	-31.996	-31.996	-31.996
		Mt	-0.01	-0.01	-0.01
		My	1.20	5.20	9.20
		Mz	-0.87	-0.85	-0.83
	TB-450 - C1	N	138.932	138.932	138.932
		Vy	0.140	0.140	0.140
		Vz	-120.781	-120.781	-120.781
		Mt	0.00	0.00	0.00
		My	8.44	23.54	38.64
		Mz	0.94	0.92	0.90
	TB-450 - C2	N	61.016	61.016	61.016
		Vy	-0.195	-0.195	-0.195
		Vz	-51.223	-51.223	-51.223
		Mt	-0.01	-0.01	-0.01
		My	3.55	9.95	16.36
		Mz	-1.05	-1.03	-1.01
	TB-450 - D1	N	176.096	176.096	176.096
		Vy	0.079	0.079	0.079
		Vz	10.496	10.496	10.496
		Mt	0.00	0.00	0.00
		My	55.10	53.78	52.47
		Mz	0.48	0.47	0.46
	TB-450 - D2	N	76.421	76.421	76.421
		Vy	-0.090	-0.090	-0.090

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	4.252	4.252	4.252
		Mt	0.00	0.00	0.00
		My	23.23	22.70	22.17
		Mz	-0.54	-0.53	-0.52
	TB-450 - E1	N	71.036	71.036	71.036
		Vy	0.067	0.067	0.067
		Vz	22.749	22.749	22.749
		Mt	0.00	0.00	0.00
		My	3.94	1.10	-1.75
		Mz	0.43	0.42	0.42
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações								
Barra	Hipótese	Esforço	Posições na barra					
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N216/N25	Peso próprio	N	219.938	219.979	220.020	220.060	220.101	220.142	220.183
		Vy	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075
		Vz	-5.104	-4.694	-4.283	-3.872	-3.461	-3.050	-2.639
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	21.61	22.47	23.26	23.98	24.62	25.20	25.70
		Mz	-0.44	-0.43	-0.42	-0.40	-0.39	-0.38	-0.36
	LAJE	N	513.885	513.885	513.885	513.885	513.885	513.885	513.885
		Vy	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046
		Vz	-7.133	-7.133	-7.133	-7.133	-7.133	-7.133	-7.133
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	57.18	58.44	59.69	60.95	62.21	63.46	64.72
		Mz	-0.13	-0.12	-0.11	-0.11	-0.10	-0.09	-0.08
	PAVIMENTAÇÃO	N	280.481	280.481	280.481	280.481	280.481	280.481	280.481
		Vy	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026
		Vz	-3.893	-3.893	-3.893	-3.893	-3.893	-3.893	-3.893
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	31.20	31.89	32.57	33.26	33.94	34.63	35.32
		Mz	-0.07	-0.07	-0.06	-0.06	-0.05	-0.05	-0.05
	RECAPEAMENTO	N	127.492	127.492	127.492	127.492	127.492	127.492	127.492
		Vy	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Vz	-1.769	-1.769	-1.769	-1.769	-1.769	-1.769	-1.769
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.18	14.49	14.81	15.12	15.43	15.74	16.05
		Mz	-0.03	-0.03	-0.03	-0.03	-0.02	-0.02	-0.02
	GUARDA-RODAS	N	68.960	68.960	68.960	68.960	68.960	68.960	68.960
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-0.959	-0.959	-0.959	-0.959	-0.959	-0.959	-0.959
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.70	7.87	8.04	8.21	8.37	8.54	8.71

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	Vento 0	N	41.109	41.109	41.109	41.109	41.109	41.109	41.109
		Vy	-8.379	-8.115	-7.851	-7.587	-7.323	-7.059	-6.795
		Vz	-1.052	-1.052	-1.052	-1.052	-1.052	-1.052	-1.052
		Mt	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06
		My	0.28	0.46	0.65	0.83	1.02	1.21	1.39
		Mz	-19.44	-17.99	-16.58	-15.22	-13.91	-12.65	-11.43
	Vento 180	N	-38.489	-38.489	-38.489	-38.489	-38.489	-38.489	-38.489
		Vy	8.710	8.710	8.710	8.710	8.710	8.710	8.710
		Vz	0.980	0.980	0.980	0.980	0.980	0.980	0.980
		Mt	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		My	-0.25	-0.42	-0.60	-0.77	-0.94	-1.11	-1.29
		Mz	20.61	19.08	17.54	16.01	14.48	12.94	11.41
	Multidão - Passeio	N	89.140	89.140	89.140	89.140	89.140	89.140	89.140
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-1.241	-1.241	-1.241	-1.241	-1.241	-1.241	-1.241
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.99	10.21	10.43	10.65	10.87	11.09	11.30
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	Multidão - TB450	N	293.874	293.874	293.874	293.874	293.874	293.874	293.874
		Vy	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034
		Vz	-4.073	-4.073	-4.073	-4.073	-4.073	-4.073	-4.073
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	32.59	33.31	34.03	34.75	35.46	36.18	36.90
		Mz	-0.09	-0.08	-0.08	-0.07	-0.07	-0.06	-0.05
	TB-450 - A1	N	34.592	34.592	34.592	34.592	34.592	34.592	34.592
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	-0.431	-0.431	-0.431	-0.431	-0.431	-0.431	-0.431
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.46	0.53	0.61	0.68	0.76	0.84	0.91
		Mz	0.07	0.07	0.07	0.07	0.07	0.07	0.07
	TB-450 - A2	N	13.973	13.973	13.973	13.973	13.973	13.973	13.973
		Vy	0.018	0.018	0.018	0.018	0.018	0.018	0.018
		Vz	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.20	0.23	0.26	0.29	0.32	0.36	0.39
		Mz	-0.04	-0.04	-0.04	-0.05	-0.05	-0.05	-0.06
	TB-450 - B1	N	106.428	106.428	106.428	106.428	106.428	106.428	106.428
		Vy	0.135	0.135	0.135	0.135	0.135	0.135	0.135
		Vz	-1.538	-1.538	-1.538	-1.538	-1.538	-1.538	-1.538
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.52	1.79	2.07	2.34	2.61	2.88	3.15
		Mz	0.77	0.75	0.72	0.70	0.68	0.65	0.63
	TB-450 - B2	N	46.569	46.569	46.569	46.569	46.569	46.569	46.569
		Vy	-0.165	-0.165	-0.165	-0.165	-0.165	-0.165	-0.165
		Vz	-0.673	-0.673	-0.673	-0.673	-0.673	-0.673	-0.673
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.64	0.76	0.88	0.99	1.11	1.23	1.35
		Mz	-0.83	-0.80	-0.77	-0.74	-0.71	-0.68	-0.65

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
	TB-450 - C1	N	171.524	171.524	171.524	171.524	171.524	171.524	171.524
		Vy	0.139	0.139	0.139	0.139	0.139	0.139	0.139
		Vz	-11.024	-11.024	-11.024	-11.024	-11.024	-11.024	-11.024
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.39	10.33	12.27	14.21	16.15	18.10	20.04
		Mz	0.91	0.88	0.86	0.83	0.81	0.78	0.76
	TB-450 - C2	N	74.834	74.834	74.834	74.834	74.834	74.834	74.834
		Vy	-0.195	-0.195	-0.195	-0.195	-0.195	-0.195	-0.195
		Vz	-4.684	-4.684	-4.684	-4.684	-4.684	-4.684	-4.684
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.54	4.36	5.19	6.01	6.83	7.66	8.48
		Mz	-1.01	-0.97	-0.94	-0.90	-0.87	-0.84	-0.80
	TB-450 - D1	N	176.292	176.292	176.292	176.292	176.292	176.292	176.292
		Vy	0.079	0.079	0.079	0.079	0.079	0.079	0.079
		Vz	5.295	5.295	5.295	5.295	5.295	5.295	5.295
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	47.14	46.21	45.28	44.34	43.41	42.48	41.55
		Mz	0.47	0.45	0.44	0.42	0.41	0.40	0.38
	TB-450 - D2	N	76.545	76.545	76.545	76.545	76.545	76.545	76.545
		Vy	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090
		Vz	2.202	2.202	2.202	2.202	2.202	2.202	2.202
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	19.89	19.50	19.11	18.72	18.33	17.95	17.56
		Mz	-0.52	-0.51	-0.49	-0.47	-0.46	-0.44	-0.43
	TB-450 - E1	N	64.282	64.282	64.282	64.282	64.282	64.282	64.282
		Vy	0.067	0.067	0.067	0.067	0.067	0.067	0.067
		Vz	0.039	0.039	0.039	0.039	0.039	0.039	0.039
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.29	4.29	4.28	4.27	4.26	4.26	4.25
		Mz	0.41	0.40	0.39	0.38	0.37	0.36	0.34
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N25/N227	Peso próprio	N	220.183	220.223	220.264	220.305	220.346	220.387	220.427
		Vy	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075
		Vz	-2.639	-2.229	-1.818	-1.407	-0.996	-0.585	-0.174
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.70	26.13	26.48	26.77	26.98	27.12	27.18
		Mz	-0.36	-0.35	-0.34	-0.32	-0.31	-0.30	-0.28
	LAJE	N	513.885	513.885	513.885	513.885	513.885	513.885	513.885
		Vy	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046
		Vz	-7.133	-7.133	-7.133	-7.133	-7.133	-7.133	-7.133

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	64.72	65.97	67.23	68.49	69.74	71.00	72.25
		Mz	-0.08	-0.07	-0.07	-0.06	-0.05	-0.04	-0.03
	PAVIMENTAÇÃO	N	280.481	280.481	280.481	280.481	280.481	280.481	280.481
		Vy	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026
		Vz	-3.893	-3.893	-3.893	-3.893	-3.893	-3.893	-3.893
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	35.32	36.00	36.69	37.37	38.06	38.74	39.43
		Mz	-0.05	-0.04	-0.04	-0.03	-0.03	-0.02	-0.02
	RECAPEAMENTO	N	127.492	127.492	127.492	127.492	127.492	127.492	127.492
		Vy	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Vz	-1.769	-1.769	-1.769	-1.769	-1.769	-1.769	-1.769
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	16.05	16.36	16.68	16.99	17.30	17.61	17.92
		Mz	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01
	GUARDA-RODAS	N	68.960	68.960	68.960	68.960	68.960	68.960	68.960
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-0.959	-0.959	-0.959	-0.959	-0.959	-0.959	-0.959
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.71	8.88	9.05	9.22	9.39	9.56	9.72
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00
	Vento 0	N	41.109	41.109	41.109	41.109	41.109	41.109	41.109
		Vy	-6.795	-6.531	-6.267	-6.002	-5.738	-5.474	-5.210
		Vz	-1.052	-1.052	-1.052	-1.052	-1.052	-1.052	-1.052
		Mt	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06
		My	1.39	1.58	1.76	1.95	2.13	2.32	2.50
		Mz	-11.43	-10.25	-9.13	-8.05	-7.01	-6.03	-5.09
	Vento 180	N	-38.489	-38.489	-38.489	-38.489	-38.489	-38.489	-38.489
		Vy	8.710	8.710	8.710	8.710	8.710	8.710	8.710
		Vz	0.980	0.980	0.980	0.980	0.980	0.980	0.980
		Mt	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		My	-1.29	-1.46	-1.63	-1.81	-1.98	-2.15	-2.32
		Mz	11.41	9.88	8.34	6.81	5.28	3.74	2.21
	Multidão - Passeio	N	89.140	89.140	89.140	89.140	89.140	89.140	89.140
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-1.241	-1.241	-1.241	-1.241	-1.241	-1.241	-1.241
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.30	11.52	11.74	11.96	12.18	12.40	12.62
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	Multidão - TB450	N	293.874	293.874	293.874	293.874	293.874	293.874	293.874
		Vy	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034
		Vz	-4.073	-4.073	-4.073	-4.073	-4.073	-4.073	-4.073
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	36.90	37.61	38.33	39.05	39.77	40.48	41.20
		Mz	-0.05	-0.05	-0.04	-0.04	-0.03	-0.02	-0.02
	TB-450 - A1	N	34.592	34.592	34.592	34.592	34.592	34.592	34.592
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	-0.431	-0.431	-0.431	-0.431	-0.431	-0.431	-0.431
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		My	0.91	0.99	1.06	1.14	1.22	1.29	1.37
		Mz	0.07	0.06	0.06	0.06	0.06	0.06	0.06
	TB-450 - A2	N	13.973	13.973	13.973	13.973	13.973	13.973	13.973
		Vy	0.018	0.018	0.018	0.018	0.018	0.018	0.018
		Vz	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.39	0.42	0.45	0.48	0.52	0.55	0.58
		Mz	-0.06	-0.06	-0.06	-0.07	-0.07	-0.07	-0.08
	TB-450 - B1	N	106.428	106.428	106.428	106.428	106.428	106.428	106.428
		Vy	0.135	0.135	0.135	0.135	0.135	0.135	0.135
		Vz	-1.538	-1.538	-1.538	-1.538	-1.538	-1.538	-1.538
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.15	3.42	3.69	3.96	4.23	4.50	4.77
		Mz	0.63	0.60	0.58	0.56	0.53	0.51	0.49
	TB-450 - B2	N	46.569	46.569	46.569	46.569	46.569	46.569	46.569
		Vy	-0.165	-0.165	-0.165	-0.165	-0.165	-0.165	-0.165
		Vz	-0.673	-0.673	-0.673	-0.673	-0.673	-0.673	-0.673
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.35	1.47	1.59	1.71	1.82	1.94	2.06
		Mz	-0.65	-0.62	-0.60	-0.57	-0.54	-0.51	-0.48
	TB-450 - C1	N	171.524	171.524	171.524	171.524	171.524	171.524	171.524
		Vy	0.139	0.139	0.139	0.139	0.139	0.139	0.139
		Vz	-11.024	-11.024	-11.024	-11.024	-11.024	-11.024	-11.024
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	20.04	21.98	23.92	25.86	27.80	29.74	31.68
		Mz	0.76	0.73	0.71	0.69	0.66	0.64	0.61
	TB-450 - C2	N	74.834	74.834	74.834	74.834	74.834	74.834	74.834
		Vy	-0.195	-0.195	-0.195	-0.195	-0.195	-0.195	-0.195
		Vz	-4.684	-4.684	-4.684	-4.684	-4.684	-4.684	-4.684
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.48	9.31	10.13	10.96	11.78	12.61	13.43
		Mz	-0.80	-0.77	-0.73	-0.70	-0.66	-0.63	-0.60
	TB-450 - D1	N	176.292	176.292	176.292	176.292	176.292	176.292	176.292
		Vy	0.079	0.079	0.079	0.079	0.079	0.079	0.079
		Vz	5.295	5.295	5.295	5.295	5.295	5.295	5.295
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	41.55	40.61	39.68	38.75	37.82	36.89	35.95
		Mz	0.38	0.37	0.35	0.34	0.33	0.31	0.30
	TB-450 - D2	N	76.545	76.545	76.545	76.545	76.545	76.545	76.545
		Vy	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090
		Vz	2.202	2.202	2.202	2.202	2.202	2.202	2.202
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	17.56	17.17	16.78	16.40	16.01	15.62	15.23
		Mz	-0.43	-0.41	-0.40	-0.38	-0.36	-0.35	-0.33
	TB-450 - E1	N	64.282	64.282	64.282	64.282	64.282	64.282	64.282
		Vy	0.067	0.067	0.067	0.067	0.067	0.067	0.067
		Vz	0.039	0.039	0.039	0.039	0.039	0.039	0.039
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.25	4.24	4.24	4.23	4.22	4.22	4.21

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Mz	0.34	0.33	0.32	0.31	0.30	0.29	0.27
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N227/N24	Peso próprio	N	225.172	225.200	225.229
		Vy	-0.071	-0.071	-0.071
		Vz	-47.213	-46.921	-46.630
		Mt	-0.02	-0.02	-0.02
		My	18.29	24.17	30.02
		Mz	-0.29	-0.28	-0.27
	LAJE	N	528.727	528.727	528.727
		Vy	-0.046	-0.046	-0.046
		Vz	-183.555	-183.555	-183.555
		Mt	0.00	0.00	0.00
		My	44.51	67.46	90.40
		Mz	-0.03	-0.03	-0.02
	PAVIMENTAÇÃO	N	288.580	288.580	288.580
		Vy	-0.025	-0.025	-0.025
		Vz	-100.162	-100.162	-100.162
		Mt	0.00	0.00	0.00
		My	24.29	36.81	49.33
		Mz	-0.02	-0.02	-0.01
	RECAPEAMENTO	N	131.173	131.173	131.173
		Vy	-0.012	-0.012	-0.012
		Vz	-45.528	-45.528	-45.528
		Mt	0.00	0.00	0.00
		My	11.04	16.73	22.42
		Mz	-0.01	-0.01	-0.01
	GUARDA-RODAS	N	70.958	70.958	70.958
		Vy	-0.004	-0.004	-0.004
		Vz	-24.710	-24.710	-24.710
		Mt	0.00	0.00	0.00
		My	5.99	9.08	12.17
		Mz	0.00	0.00	0.00
	Vento 0	N	41.663	41.663	41.663
		Vy	-2.615	-2.427	-2.240
		Vz	-7.246	-7.246	-7.246
		Mt	-0.48	-0.48	-0.48
		My	1.41	2.32	3.22
		Mz	-5.11	-4.80	-4.50
	Vento 180	N	-39.235	-39.235	-39.235
		Vy	8.697	8.697	8.697

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	9.017	9.017	9.017
		Mt	0.22	0.22	0.22
		My	-0.81	-1.94	-3.06
		Mz	2.25	1.16	0.07
	Multidão - Passeio	N	91.733	91.733	91.733
		Vy	-0.003	-0.003	-0.003
		Vz	-32.064	-32.064	-32.064
		Mt	0.00	0.00	0.00
		My	7.77	11.78	15.79
		Mz	-0.01	-0.01	-0.01
	Multidão - TB450	N	302.335	302.335	302.335
		Vy	-0.033	-0.033	-0.033
		Vz	-104.648	-104.648	-104.648
		Mt	0.00	0.00	0.00
		My	25.39	38.47	51.55
		Mz	-0.02	-0.02	-0.01
	TB-450 - A1	N	37.176	37.176	37.176
		Vy	0.003	0.003	0.003
		Vz	-26.795	-26.795	-26.795
		Mt	0.01	0.01	0.01
		My	-4.16	-0.81	2.54
		Mz	0.06	0.06	0.06
	TB-450 - A2	N	15.071	15.071	15.071
		Vy	0.019	0.019	0.019
		Vz	-11.393	-11.393	-11.393
		Mt	-0.01	-0.01	-0.01
		My	-1.77	-0.35	1.08
		Mz	-0.08	-0.08	-0.08
	TB-450 - B1	N	113.937	113.937	113.937
		Vy	0.129	0.129	0.129
		Vz	-78.200	-78.200	-78.200
		Mt	0.05	0.05	0.05
		My	-11.28	-1.50	8.27
		Mz	0.49	0.47	0.46
	TB-450 - B2	N	49.759	49.759	49.759
		Vy	-0.159	-0.159	-0.159
		Vz	-33.241	-33.241	-33.241
		Mt	-0.04	-0.04	-0.04
		My	-4.76	-0.60	3.55
		Mz	-0.48	-0.46	-0.44
	TB-450 - C1	N	181.436	181.436	181.436
		Vy	0.131	0.131	0.131
		Vz	-122.332	-122.332	-122.332
		Mt	0.05	0.05	0.05
		My	12.00	27.29	42.58
		Mz	0.61	0.60	0.58
	TB-450 - C2	N	79.038	79.038	79.038
		Vy	-0.187	-0.187	-0.187
		Vz	-51.879	-51.879	-51.879

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mt	-0.05	-0.05	-0.05
		My	5.08	11.57	18.05
		Mz	-0.60	-0.58	-0.55
	TB-450 - D1	N	174.879	174.879	174.879
		Vy	0.076	0.076	0.076
		Vz	5.108	5.108	5.108
		Mt	0.03	0.03	0.03
		My	41.49	40.85	40.21
		Mz	0.30	0.29	0.28
	TB-450 - D2	N	75.963	75.963	75.963
		Vy	-0.085	-0.085	-0.085
		Vz	1.975	1.975	1.975
		Mt	-0.03	-0.03	-0.03
		My	17.54	17.29	17.05
		Mz	-0.33	-0.32	-0.31
	TB-450 - E1	N	61.685	61.685	61.685
		Vy	0.064	0.064	0.064
		Vz	24.358	24.358	24.358
		Mt	0.02	0.02	0.02
		My	10.05	7.01	3.96
		Mz	0.27	0.27	0.26
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
N196/N201	Peso próprio	N	83.485	83.535	83.586	83.636	83.686	83.737	83.787
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	-5.535	-5.027	-4.519	-4.011	-3.503	-2.995	-2.487
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	1.15	2.19	3.12	3.94	4.64	5.24
		Mz	0.00	0.00	0.00	0.00	0.01	0.01	0.01
	LAJE	N	120.570	120.570	120.570	120.570	120.570	120.570	120.570
		Vy	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020
		Vz	10.176	10.176	10.176	10.176	10.176	10.176	10.176
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-2.22	-4.43	-6.65	-8.86	-11.08	-13.29
		Mz	0.00	0.00	0.01	0.01	0.02	0.02	0.03
	PAVIMENTAÇÃO	N	65.792	65.792	65.792	65.792	65.792	65.792	65.792
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	5.552	5.552	5.552	5.552	5.552	5.552	5.552
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-1.21	-2.42	-3.63	-4.84	-6.04	-7.25
		Mz	0.00	0.00	0.00	0.01	0.01	0.01	0.01

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
	RECAPEAMENTO	N	29.905	29.905	29.905	29.905	29.905	29.905	29.905
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	2.524	2.524	2.524	2.524	2.524	2.524	2.524
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.55	-1.10	-1.65	-2.20	-2.75	-3.30
		Mz	0.00	0.00	0.00	0.00	0.00	0.01	0.01
	GUARDA-RODAS	N	16.232	16.232	16.232	16.232	16.232	16.232	16.232
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	1.371	1.371	1.371	1.371	1.371	1.371	1.371
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.30	-0.60	-0.90	-1.19	-1.49	-1.79
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-5.513	-5.513	-5.513	-5.513	-5.513	-5.513	-5.513
		Vy	-25.458	-25.458	-25.458	-25.458	-25.458	-25.458	-25.458
		Vz	0.588	0.588	0.588	0.588	0.588	0.588	0.588
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.13	-0.26	-0.38	-0.51	-0.64	-0.77
		Mz	0.00	5.54	11.09	16.63	22.17	27.71	33.26
	Vento 180	N	5.234	5.234	5.234	5.234	5.234	5.234	5.234
		Vy	20.585	20.259	19.932	19.605	19.279	18.952	18.626
		Vz	-0.338	-0.338	-0.338	-0.338	-0.338	-0.338	-0.338
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.07	0.15	0.22	0.29	0.37	0.44
		Mz	0.00	-4.45	-8.82	-13.13	-17.36	-21.52	-25.61
	Multidão - Passeio	N	21.066	21.066	21.066	21.066	21.066	21.066	21.066
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	1.781	1.781	1.781	1.781	1.781	1.781	1.781
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.39	-0.78	-1.16	-1.55	-1.94	-2.33
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	68.733	68.733	68.733	68.733	68.733	68.733	68.733
		Vy	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		Vz	5.797	5.797	5.797	5.797	5.797	5.797	5.797
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-1.26	-2.52	-3.79	-5.05	-6.31	-7.57
		Mz	0.00	0.00	0.01	0.01	0.01	0.01	0.02
	TB-450 - A1	N	2.617	2.617	2.617	2.617	2.617	2.617	2.617
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	0.488	0.488	0.488	0.488	0.488	0.488	0.488
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.11	-0.21	-0.32	-0.42	-0.53	-0.64
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	6.118	6.118	6.118	6.118	6.118	6.118	6.118
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	1.144	1.144	1.144	1.144	1.144	1.144	1.144
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.25	-0.50	-0.75	-1.00	-1.25	-1.49
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	7.645	7.645	7.645	7.645	7.645	7.645	7.645

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
		Vy	0.170	0.170	0.170	0.170	0.170	0.170	0.170
		Vz	1.410	1.410	1.410	1.410	1.410	1.410	1.410
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.31	-0.61	-0.92	-1.23	-1.54	-1.84
		Mz	0.00	-0.04	-0.07	-0.11	-0.15	-0.18	-0.22
	TB-450 - B2	N	17.944	17.944	17.944	17.944	17.944	17.944	17.944
		Vy	-0.169	-0.169	-0.169	-0.169	-0.169	-0.169	-0.169
		Vz	3.340	3.340	3.340	3.340	3.340	3.340	3.340
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.73	-1.45	-2.18	-2.91	-3.64	-4.36
		Mz	0.00	0.04	0.07	0.11	0.15	0.18	0.22
	TB-450 - C1	N	12.581	12.581	12.581	12.581	12.581	12.581	12.581
		Vy	0.190	0.190	0.190	0.190	0.190	0.190	0.190
		Vz	2.309	2.309	2.309	2.309	2.309	2.309	2.309
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.50	-1.01	-1.51	-2.01	-2.51	-3.02
		Mz	0.00	-0.04	-0.08	-0.12	-0.17	-0.21	-0.25
	TB-450 - C2	N	29.644	29.644	29.644	29.644	29.644	29.644	29.644
		Vy	-0.188	-0.188	-0.188	-0.188	-0.188	-0.188	-0.188
		Vz	5.474	5.474	5.474	5.474	5.474	5.474	5.474
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-1.19	-2.38	-3.58	-4.77	-5.96	-7.15
		Mz	0.00	0.04	0.08	0.12	0.16	0.20	0.25
	TB-450 - D1	N	17.413	17.413	17.413	17.413	17.413	17.413	17.413
		Vy	0.091	0.091	0.091	0.091	0.091	0.091	0.091
		Vz	2.796	2.796	2.796	2.796	2.796	2.796	2.796
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.61	-1.22	-1.83	-2.44	-3.04	-3.65
		Mz	0.00	-0.02	-0.04	-0.06	-0.08	-0.10	-0.12
	TB-450 - D2	N	41.159	41.159	41.159	41.159	41.159	41.159	41.159
		Vy	-0.111	-0.111	-0.111	-0.111	-0.111	-0.111	-0.111
		Vz	6.639	6.639	6.639	6.639	6.639	6.639	6.639
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-1.45	-2.89	-4.34	-5.78	-7.23	-8.67
		Mz	0.00	0.02	0.05	0.07	0.10	0.12	0.15
	TB-450 - E1	N	14.919	14.919	14.919	14.919	14.919	14.919	14.919
		Vy	0.073	0.073	0.073	0.073	0.073	0.073	0.073
		Vz	-2.362	-2.362	-2.362	-2.362	-2.362	-2.362	-2.362
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.51	1.03	1.54	2.06	2.57	3.09
		Mz	0.00	-0.02	-0.03	-0.05	-0.06	-0.08	-0.10
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N201/N210	Peso próprio	N	83.787	83.828	83.869	83.910	83.950	83.991	84.032
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	-2.487	-2.076	-1.665	-1.254	-0.843	-0.432	-0.022
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.24	5.64	5.97	6.23	6.41	6.52	6.56
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	LAJE	N	120.570	120.570	120.570	120.570	120.570	120.570	120.570
		Vy	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020
		Vz	10.176	10.176	10.176	10.176	10.176	10.176	10.176
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-13.29	-15.09	-16.88	-18.67	-20.46	-22.25	-24.04
		Mz	0.03	0.03	0.03	0.04	0.04	0.04	0.05
	PAVIMENTAÇÃO	N	65.792	65.792	65.792	65.792	65.792	65.792	65.792
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	5.552	5.552	5.552	5.552	5.552	5.552	5.552
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-7.25	-8.23	-9.21	-10.19	-11.16	-12.14	-13.12
		Mz	0.01	0.02	0.02	0.02	0.02	0.02	0.03
	RECAPEAMENTO	N	29.905	29.905	29.905	29.905	29.905	29.905	29.905
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	2.524	2.524	2.524	2.524	2.524	2.524	2.524
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.30	-3.74	-4.19	-4.63	-5.07	-5.52	-5.96
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	GUARDA-RODAS	N	16.232	16.232	16.232	16.232	16.232	16.232	16.232
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	1.371	1.371	1.371	1.371	1.371	1.371	1.371
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.79	-2.03	-2.27	-2.52	-2.76	-3.00	-3.24
		Mz	0.00	0.00	0.00	0.00	0.00	0.01	0.01
	Vento 0	N	-5.513	-5.513	-5.513	-5.513	-5.513	-5.513	-5.513
		Vy	-25.458	-25.458	-25.458	-25.458	-25.458	-25.458	-25.458
		Vz	0.588	0.588	0.588	0.588	0.588	0.588	0.588
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.77	-0.87	-0.98	-1.08	-1.18	-1.29	-1.39
		Mz	33.26	37.74	42.22	46.70	51.19	55.67	60.15
	Vento 180	N	5.234	5.234	5.234	5.234	5.234	5.234	5.234
		Vy	18.626	18.362	18.097	17.833	17.569	17.305	17.041
		Vz	-0.338	-0.338	-0.338	-0.338	-0.338	-0.338	-0.338
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.44	0.50	0.56	0.62	0.68	0.74	0.80
		Mz	-25.61	-28.87	-32.08	-35.24	-38.36	-41.43	-44.45
	Multidão - Passeio	N	21.066	21.066	21.066	21.066	21.066	21.066	21.066
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	1.781	1.781	1.781	1.781	1.781	1.781	1.781
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.33	-2.64	-2.95	-3.27	-3.58	-3.89	-4.21
		Mz	0.00	0.00	0.00	0.00	0.01	0.01	0.01
	Multidão - TB450	N	68.733	68.733	68.733	68.733	68.733	68.733	68.733

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Vy	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		Vz	5.797	5.797	5.797	5.797	5.797	5.797	5.797
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-7.57	-8.59	-9.61	-10.63	-11.66	-12.68	-13.70
		Mz	0.02	0.02	0.02	0.02	0.03	0.03	0.03
	TB-450 - A1	N	2.617	2.617	2.617	2.617	2.617	2.617	2.617
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	0.488	0.488	0.488	0.488	0.488	0.488	0.488
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.64	-0.72	-0.81	-0.89	-0.98	-1.07	-1.15
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	6.118	6.118	6.118	6.118	6.118	6.118	6.118
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	1.144	1.144	1.144	1.144	1.144	1.144	1.144
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.49	-1.70	-1.90	-2.10	-2.30	-2.50	-2.70
		Mz	0.00	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - B1	N	7.645	7.645	7.645	7.645	7.645	7.645	7.645
		Vy	0.170	0.170	0.170	0.170	0.170	0.170	0.170
		Vz	1.410	1.410	1.410	1.410	1.410	1.410	1.410
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.84	-2.09	-2.34	-2.59	-2.84	-3.08	-3.33
		Mz	-0.22	-0.25	-0.28	-0.31	-0.34	-0.37	-0.40
	TB-450 - B2	N	17.944	17.944	17.944	17.944	17.944	17.944	17.944
		Vy	-0.169	-0.169	-0.169	-0.169	-0.169	-0.169	-0.169
		Vz	3.340	3.340	3.340	3.340	3.340	3.340	3.340
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.36	-4.95	-5.54	-6.13	-6.72	-7.30	-7.89
		Mz	0.22	0.25	0.28	0.31	0.34	0.37	0.40
	TB-450 - C1	N	12.581	12.581	12.581	12.581	12.581	12.581	12.581
		Vy	0.190	0.190	0.190	0.190	0.190	0.190	0.190
		Vz	2.309	2.309	2.309	2.309	2.309	2.309	2.309
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.02	-3.42	-3.83	-4.24	-4.64	-5.05	-5.46
		Mz	-0.25	-0.28	-0.32	-0.35	-0.38	-0.42	-0.45
	TB-450 - C2	N	29.644	29.644	29.644	29.644	29.644	29.644	29.644
		Vy	-0.188	-0.188	-0.188	-0.188	-0.188	-0.188	-0.188
		Vz	5.474	5.474	5.474	5.474	5.474	5.474	5.474
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-7.15	-8.12	-9.08	-10.04	-11.01	-11.97	-12.93
		Mz	0.25	0.28	0.31	0.35	0.38	0.41	0.44
	TB-450 - D1	N	17.413	17.413	17.413	17.413	17.413	17.413	17.413
		Vy	0.091	0.091	0.091	0.091	0.091	0.091	0.091
		Vz	2.796	2.796	2.796	2.796	2.796	2.796	2.796
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.65	-4.15	-4.64	-5.13	-5.62	-6.11	-6.61
		Mz	-0.12	-0.14	-0.15	-0.17	-0.18	-0.20	-0.22
	TB-450 - D2	N	41.159	41.159	41.159	41.159	41.159	41.159	41.159
		Vy	-0.111	-0.111	-0.111	-0.111	-0.111	-0.111	-0.111

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Vz	6.639	6.639	6.639	6.639	6.639	6.639	6.639
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-8.67	-9.84	-11.01	-12.18	-13.35	-14.52	-15.69
		Mz	0.15	0.16	0.18	0.20	0.22	0.24	0.26
	TB-450 - E1	N	14.919	14.919	14.919	14.919	14.919	14.919	14.919
		Vy	0.073	0.073	0.073	0.073	0.073	0.073	0.073
		Vz	-2.362	-2.362	-2.362	-2.362	-2.362	-2.362	-2.362
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.09	3.50	3.92	4.33	4.75	5.17	5.58
		Mz	-0.10	-0.11	-0.12	-0.13	-0.15	-0.16	-0.17
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N210/N199	Peso próprio	N	127.587	127.615	127.644
		Vy	-0.229	-0.229	-0.229
		Vz	-305.758	-305.467	-305.175
		Mt	0.02	0.02	0.02
		My	-100.63	-62.43	-24.26
		Mz	0.02	0.05	0.07
	LAJE	N	194.633	194.633	194.633
		Vy	-0.016	-0.016	-0.016
		Vz	-476.926	-476.926	-476.926
		Mt	0.00	0.00	0.00
		My	-214.01	-154.40	-94.78
		Mz	0.05	0.05	0.05
	PAVIMENTAÇÃO	N	106.206	106.206	106.206
		Vy	-0.009	-0.009	-0.009
		Vz	-260.247	-260.247	-260.247
		Mt	0.00	0.00	0.00
		My	-116.78	-84.25	-51.72
		Mz	0.03	0.03	0.03
	RECAPEAMENTO	N	48.275	48.275	48.275
		Vy	-0.004	-0.004	-0.004
		Vz	-118.294	-118.294	-118.294
		Mt	0.00	0.00	0.00
		My	-53.08	-38.30	-23.51
		Mz	0.01	0.01	0.01
	GUARDA-RODAS	N	26.204	26.204	26.204
		Vy	-0.002	-0.002	-0.002
		Vz	-64.203	-64.203	-64.203
		Mt	0.00	0.00	0.00
		My	-28.82	-20.79	-12.77

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mz	0.01	0.01	0.01
	Vento 0	N	-6.900	-6.900	-6.900
		Vy	-22.299	-22.299	-22.299
		Vz	7.439	7.439	7.439
		Mt	-0.56	-0.56	-0.56
		My	2.45	1.52	0.59
		Mz	59.84	62.63	65.41
	Vento 180	N	6.875	6.875	6.875
		Vy	14.211	14.023	13.836
		Vz	-8.929	-8.929	-8.929
		Mt	0.44	0.44	0.44
		My	-3.67	-2.56	-1.44
		Mz	-44.23	-46.00	-47.74
	Multidão - Passeio	N	34.006	34.006	34.006
		Vy	-0.002	-0.002	-0.002
		Vz	-83.312	-83.312	-83.312
		Mt	0.00	0.00	0.00
		My	-37.40	-26.99	-16.57
		Mz	0.01	0.01	0.01
	Multidão - TB450	N	110.953	110.953	110.953
		Vy	-0.010	-0.010	-0.010
		Vz	-271.902	-271.902	-271.902
		Mt	0.00	0.00	0.00
		My	-121.99	-88.00	-54.01
		Mz	0.03	0.03	0.03
	TB-450 - A1	N	4.417	4.417	4.417
		Vy	-0.009	-0.009	-0.009
		Vz	-10.174	-10.174	-10.174
		Mt	0.00	0.00	0.00
		My	-5.89	-4.62	-3.35
		Mz	0.00	0.01	0.01
	TB-450 - A2	N	10.343	10.343	10.343
		Vy	0.004	0.004	0.004
		Vz	-23.929	-23.929	-23.929
		Mt	0.00	0.00	0.00
		My	-13.82	-10.83	-7.84
		Mz	0.01	0.01	0.01
	TB-450 - B1	N	12.915	12.915	12.915
		Vy	0.160	0.160	0.160
		Vz	-29.909	-29.909	-29.909
		Mt	0.00	0.00	0.00
		My	-17.19	-13.46	-9.72
		Mz	-0.40	-0.42	-0.44
	TB-450 - B2	N	30.346	30.346	30.346
		Vy	-0.158	-0.158	-0.158
		Vz	-70.334	-70.334	-70.334
		Mt	0.00	0.00	0.00
		My	-40.51	-31.72	-22.93
		Mz	0.40	0.42	0.44

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
	TB-450 - C1	N	21.252	21.252	21.252
		Vy	0.179	0.179	0.179
		Vz	-49.263	-49.263	-49.263
		Mt	0.00	0.00	0.00
		My	-28.25	-22.10	-15.94
		Mz	-0.45	-0.47	-0.49
	TB-450 - C2	N	50.101	50.101	50.101
		Vy	-0.175	-0.175	-0.175
		Vz	-116.145	-116.145	-116.145
		Mt	0.00	0.00	0.00
		My	-66.73	-52.21	-37.70
		Mz	0.44	0.47	0.49
	TB-450 - D1	N	29.039	29.039	29.039
		Vy	0.085	0.085	0.085
		Vz	-67.232	-67.232	-67.232
		Mt	0.00	0.00	0.00
		My	-37.11	-28.71	-20.30
		Mz	-0.22	-0.23	-0.24
	TB-450 - D2	N	68.659	68.659	68.659
		Vy	-0.103	-0.103	-0.103
		Vz	-158.920	-158.920	-158.920
		Mt	0.00	0.00	0.00
		My	-87.85	-67.98	-48.12
		Mz	0.26	0.28	0.29
	TB-450 - E1	N	21.424	21.424	21.424
		Vy	0.069	0.069	0.069
		Vz	-61.550	-61.550	-61.550
		Mt	0.00	0.00	0.00
		My	-9.40	-1.70	5.99
		Mz	-0.18	-0.18	-0.19
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N199/N211	Peso próprio	N	140.496	140.525	140.554
		Vy	-0.029	-0.029	-0.029
		Vz	-172.588	-172.296	-172.005
		Mt	0.02	0.02	0.02
		My	-28.20	-6.65	14.87
		Mz	-0.04	-0.04	-0.03
	LAJE	N	206.840	206.840	206.840
		Vy	-0.064	-0.064	-0.064
		Vz	-365.081	-365.081	-365.081

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mt	-0.01	-0.01	-0.01
		My	-98.10	-52.47	-6.83
		Mz	-0.12	-0.12	-0.11
	PAVIMENTAÇÃO	N	112.888	112.888	112.888
		Vy	-0.036	-0.036	-0.036
		Vz	-199.212	-199.212	-199.212
		Mt	0.00	0.00	0.00
		My	-53.53	-28.63	-3.73
		Mz	-0.07	-0.07	-0.06
	RECAPEAMENTO	N	51.313	51.313	51.313
		Vy	-0.016	-0.016	-0.016
		Vz	-90.551	-90.551	-90.551
		Mt	0.00	0.00	0.00
		My	-24.33	-13.01	-1.69
		Mz	-0.03	-0.03	-0.03
	GUARDA-RODAS	N	27.776	27.776	27.776
		Vy	-0.005	-0.005	-0.005
		Vz	-49.158	-49.158	-49.158
		Mt	0.00	0.00	0.00
		My	-13.21	-7.07	-0.92
		Mz	-0.01	-0.01	-0.01
	Vento 0	N	-24.549	-24.549	-24.549
		Vy	22.442	22.442	22.442
		Vz	5.439	5.439	5.439
		Mt	-0.60	-0.60	-0.60
		My	0.62	-0.06	-0.74
		Mz	64.65	61.85	59.04
	Vento 180	N	6.992	6.992	6.992
		Vy	-15.378	-15.565	-15.753
		Vz	-7.367	-7.367	-7.367
		Mt	0.46	0.46	0.46
		My	-1.46	-0.54	0.38
		Mz	-47.31	-45.38	-43.42
	Multidão - Passeio	N	35.936	35.936	35.936
		Vy	-0.001	-0.001	-0.001
		Vz	-63.806	-63.806	-63.806
		Mt	0.00	0.00	0.00
		My	-17.15	-9.18	-1.20
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	118.203	118.203	118.203
		Vy	-0.050	-0.050	-0.050
		Vz	-208.091	-208.091	-208.091
		Mt	0.00	0.00	0.00
		My	-55.91	-29.89	-3.88
		Mz	-0.10	-0.10	-0.09
	TB-450 - A1	N	3.808	3.808	3.808
		Vy	0.004	0.004	0.004
		Vz	-10.228	-10.228	-10.228
		Mt	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		My	-3.34	-2.07	-0.79
		Mz	0.02	0.02	0.02
	TB-450 - A2	N	9.737	9.737	9.737
		Vy	0.015	0.015	0.015
		Vz	-23.983	-23.983	-23.983
		Mt	0.00	0.00	0.00
		My	-7.84	-4.84	-1.84
		Mz	0.02	0.02	0.02
	TB-450 - B1	N	13.032	13.032	13.032
		Vy	-0.200	-0.200	-0.200
		Vz	-29.835	-29.835	-29.835
		Mt	0.00	0.00	0.00
		My	-9.72	-5.99	-2.26
		Mz	-0.45	-0.42	-0.40
	TB-450 - B2	N	30.461	30.461	30.461
		Vy	0.186	0.186	0.186
		Vz	-70.295	-70.295	-70.295
		Mt	0.00	0.00	0.00
		My	-22.93	-14.14	-5.36
		Mz	0.42	0.40	0.37
	TB-450 - C1	N	21.475	21.475	21.475
		Vy	-0.237	-0.237	-0.237
		Vz	-49.137	-49.137	-49.137
		Mt	0.00	0.00	0.00
		My	-15.94	-9.80	-3.66
		Mz	-0.51	-0.49	-0.46
	TB-450 - C2	N	50.323	50.323	50.323
		Vy	0.210	0.210	0.210
		Vz	-116.060	-116.060	-116.060
		Mt	0.00	0.00	0.00
		My	-37.70	-23.19	-8.68
		Mz	0.46	0.43	0.40
	TB-450 - D1	N	29.152	29.152	29.152
		Vy	-0.131	-0.131	-0.131
		Vz	-67.052	-67.052	-67.052
		Mt	0.00	0.00	0.00
		My	-20.31	-11.92	-3.54
		Mz	-0.30	-0.28	-0.27
	TB-450 - D2	N	68.769	68.769	68.769
		Vy	0.088	0.088	0.088
		Vz	-158.760	-158.760	-158.760
		Mt	0.00	0.00	0.00
		My	-48.12	-28.28	-8.43
		Mz	0.21	0.20	0.19
	TB-450 - E1	N	26.267	26.267	26.267
		Vy	-0.107	-0.107	-0.107
		Vz	-10.663	-10.663	-10.663
		Mt	-0.01	-0.01	-0.01
		My	4.48	5.81	7.14

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mz	-0.25	-0.24	-0.22
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações								
Barra	Hipótese	Esforço	Posições na barra					
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N211/N200	Peso próprio	N	182.679	182.719	182.760	182.801	182.842	182.882	182.923
		Vy	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034
		Vz	-25.774	-25.364	-24.953	-24.542	-24.131	-23.720	-23.309
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-21.43	-16.92	-12.50	-8.14	-3.85	0.36	4.50
		Mz	-0.03	-0.02	-0.01	-0.01	0.00	0.00	0.01
	LAJE	N	297.600	297.600	297.600	297.600	297.600	297.600	297.600
		Vy	-0.064	-0.064	-0.064	-0.064	-0.064	-0.064	-0.064
		Vz	-48.901	-48.901	-48.901	-48.901	-48.901	-48.901	-48.901
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-81.79	-73.18	-64.57	-55.96	-47.35	-38.74	-30.13
		Mz	-0.11	-0.10	-0.09	-0.08	-0.07	-0.05	-0.04
	PAVIMENTAÇÃO	N	162.413	162.413	162.413	162.413	162.413	162.413	162.413
		Vy	-0.036	-0.036	-0.036	-0.036	-0.036	-0.036	-0.036
		Vz	-26.684	-26.684	-26.684	-26.684	-26.684	-26.684	-26.684
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-44.63	-39.93	-35.23	-30.53	-25.84	-21.14	-16.44
		Mz	-0.06	-0.06	-0.05	-0.04	-0.04	-0.03	-0.02
	RECAPEAMENTO	N	73.824	73.824	73.824	73.824	73.824	73.824	73.824
		Vy	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016
		Vz	-12.129	-12.129	-12.129	-12.129	-12.129	-12.129	-12.129
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-20.29	-18.15	-16.01	-13.88	-11.74	-9.61	-7.47
		Mz	-0.03	-0.03	-0.02	-0.02	-0.02	-0.01	-0.01
	GUARDA-RODAS	N	39.997	39.997	39.997	39.997	39.997	39.997	39.997
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	-6.584	-6.584	-6.584	-6.584	-6.584	-6.584	-6.584
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-11.02	-9.86	-8.70	-7.54	-6.38	-5.22	-4.06
		Mz	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
	Vento 0	N	-26.081	-26.081	-26.081	-26.081	-26.081	-26.081	-26.081
		Vy	22.449	22.449	22.449	22.449	22.449	22.449	22.449
		Vz	0.129	0.129	0.129	0.129	0.129	0.129	0.129
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	0.56	0.53	0.51	0.49	0.47	0.44	0.42
		Mz	58.87	54.91	50.96	47.01	43.06	39.10	35.15
	Vento 180	N	8.980	8.980	8.980	8.980	8.980	8.980	8.980
		Vy	-15.772	-16.036	-16.300	-16.564	-16.828	-17.092	-17.357

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Vz	-0.428	-0.428	-0.428	-0.428	-0.428	-0.428	-0.428
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-1.27	-1.19	-1.12	-1.04	-0.96	-0.89	-0.81
		Mz	-43.29	-40.49	-37.64	-34.75	-31.81	-28.82	-25.79
	Multidão - Passeio	N	51.798	51.798	51.798	51.798	51.798	51.798	51.798
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-8.546	-8.546	-8.546	-8.546	-8.546	-8.546	-8.546
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-14.30	-12.80	-11.29	-9.79	-8.28	-6.78	-5.27
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	169.935	169.935	169.935	169.935	169.935	169.935	169.935
		Vy	-0.051	-0.051	-0.051	-0.051	-0.051	-0.051	-0.051
		Vz	-27.874	-27.874	-27.874	-27.874	-27.874	-27.874	-27.874
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-46.61	-41.70	-36.79	-31.89	-26.98	-22.07	-17.16
		Mz	-0.09	-0.08	-0.07	-0.06	-0.05	-0.05	-0.04
	TB-450 - A1	N	6.411	6.411	6.411	6.411	6.411	6.411	6.411
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	-1.041	-1.041	-1.041	-1.041	-1.041	-1.041	-1.041
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.84	-2.66	-2.48	-2.29	-2.11	-1.93	-1.74
		Mz	0.02	0.02	0.02	0.02	0.02	0.02	0.02
	TB-450 - A2	N	15.840	15.840	15.840	15.840	15.840	15.840	15.840
		Vy	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vz	-2.442	-2.442	-2.442	-2.442	-2.442	-2.442	-2.442
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-6.66	-6.23	-5.80	-5.37	-4.94	-4.51	-4.08
		Mz	0.02	0.02	0.01	0.01	0.01	0.00	0.00
	TB-450 - B1	N	20.625	20.625	20.625	20.625	20.625	20.625	20.625
		Vy	-0.200	-0.200	-0.200	-0.200	-0.200	-0.200	-0.200
		Vz	-3.038	-3.038	-3.038	-3.038	-3.038	-3.038	-3.038
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-8.26	-7.73	-7.19	-6.66	-6.12	-5.59	-5.05
		Mz	-0.40	-0.36	-0.33	-0.29	-0.26	-0.22	-0.19
	TB-450 - B2	N	48.349	48.349	48.349	48.349	48.349	48.349	48.349
		Vy	0.186	0.186	0.186	0.186	0.186	0.186	0.186
		Vz	-7.162	-7.162	-7.162	-7.162	-7.162	-7.162	-7.162
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-19.49	-18.23	-16.97	-15.71	-14.45	-13.19	-11.92
		Mz	0.37	0.34	0.31	0.27	0.24	0.21	0.17
	TB-450 - C1	N	33.950	33.950	33.950	33.950	33.950	33.950	33.950
		Vy	-0.237	-0.237	-0.237	-0.237	-0.237	-0.237	-0.237
		Vz	-5.114	-5.114	-5.114	-5.114	-5.114	-5.114	-5.114
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-13.52	-12.62	-11.72	-10.82	-9.92	-9.01	-8.11
		Mz	-0.46	-0.41	-0.37	-0.33	-0.29	-0.25	-0.21
	TB-450 - C2	N	79.784	79.784	79.784	79.784	79.784	79.784	79.784
		Vy	0.210	0.210	0.210	0.210	0.210	0.210	0.210
		Vz	-12.084	-12.084	-12.084	-12.084	-12.084	-12.084	-12.084

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-31.96	-29.83	-27.71	-25.58	-23.45	-21.32	-19.20
		Mz	0.40	0.37	0.33	0.29	0.26	0.22	0.18
	TB-450 - D1	N	45.132	45.132	45.132	45.132	45.132	45.132	45.132
		Vy	-0.131	-0.131	-0.131	-0.131	-0.131	-0.131	-0.131
		Vz	-10.700	-10.700	-10.700	-10.700	-10.700	-10.700	-10.700
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-16.29	-14.40	-12.52	-10.64	-8.75	-6.87	-4.98
		Mz	-0.27	-0.24	-0.22	-0.20	-0.17	-0.15	-0.13
	TB-450 - D2	N	106.599	106.599	106.599	106.599	106.599	106.599	106.599
		Vy	0.088	0.088	0.088	0.088	0.088	0.088	0.088
		Vz	-25.352	-25.352	-25.352	-25.352	-25.352	-25.352	-25.352
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-38.59	-34.13	-29.67	-25.20	-20.74	-16.28	-11.81
		Mz	0.19	0.17	0.16	0.14	0.13	0.11	0.10
	TB-450 - E1	N	29.117	29.117	29.117	29.117	29.117	29.117	29.117
		Vy	-0.108	-0.108	-0.108	-0.108	-0.108	-0.108	-0.108
		Vz	-2.450	-2.450	-2.450	-2.450	-2.450	-2.450	-2.450
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.53	3.96	4.39	4.82	5.25	5.69	6.12
		Mz	-0.22	-0.21	-0.19	-0.17	-0.15	-0.13	-0.11
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N200/N208	Peso próprio	N	182.923	182.964	183.005	183.045	183.086	183.127	183.168
		Vy	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034
		Vz	-23.309	-22.899	-22.488	-22.077	-21.666	-21.255	-20.844
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.50	8.57	12.56	16.49	20.34	24.11	27.82
		Mz	0.01	0.02	0.02	0.03	0.03	0.04	0.05
	LAJE	N	297.600	297.600	297.600	297.600	297.600	297.600	297.600
		Vy	-0.064	-0.064	-0.064	-0.064	-0.064	-0.064	-0.064
		Vz	-48.901	-48.901	-48.901	-48.901	-48.901	-48.901	-48.901
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-30.13	-21.52	-12.91	-4.30	4.31	12.92	21.53
		Mz	-0.04	-0.03	-0.02	-0.01	0.00	0.01	0.03
	PAVIMENTAÇÃO	N	162.413	162.413	162.413	162.413	162.413	162.413	162.413
		Vy	-0.036	-0.036	-0.036	-0.036	-0.036	-0.036	-0.036
		Vz	-26.684	-26.684	-26.684	-26.684	-26.684	-26.684	-26.684
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-16.44	-11.74	-7.04	-2.35	2.35	7.05	11.75
		Mz	-0.02	-0.02	-0.01	-0.01	0.00	0.01	0.01

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
	RECAPEAMENTO	N	73.824	73.824	73.824	73.824	73.824	73.824	73.824
		Vy	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016
		Vz	-12.129	-12.129	-12.129	-12.129	-12.129	-12.129	-12.129
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-7.47	-5.34	-3.20	-1.07	1.07	3.20	5.34
		Mz	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.01
	GUARDA-RODAS	N	39.997	39.997	39.997	39.997	39.997	39.997	39.997
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	-6.584	-6.584	-6.584	-6.584	-6.584	-6.584	-6.584
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.06	-2.90	-1.74	-0.58	0.58	1.74	2.90
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-26.081	-26.081	-26.081	-26.081	-26.081	-26.081	-26.081
		Vy	22.449	22.449	22.449	22.449	22.449	22.449	22.449
		Vz	0.129	0.129	0.129	0.129	0.129	0.129	0.129
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	0.42	0.40	0.38	0.35	0.33	0.31	0.28
		Mz	35.15	31.20	27.25	23.29	19.34	15.39	11.44
	Vento 180	N	8.980	8.980	8.980	8.980	8.980	8.980	8.980
		Vy	-17.357	-17.621	-17.885	-18.149	-18.413	-18.677	-18.941
		Vz	-0.428	-0.428	-0.428	-0.428	-0.428	-0.428	-0.428
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-0.81	-0.74	-0.66	-0.59	-0.51	-0.44	-0.36
		Mz	-25.79	-22.71	-19.58	-16.41	-13.19	-9.93	-6.62
	Multidão - Passeio	N	51.798	51.798	51.798	51.798	51.798	51.798	51.798
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-8.546	-8.546	-8.546	-8.546	-8.546	-8.546	-8.546
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.27	-3.77	-2.26	-0.76	0.75	2.25	3.75
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	169.935	169.935	169.935	169.935	169.935	169.935	169.935
		Vy	-0.051	-0.051	-0.051	-0.051	-0.051	-0.051	-0.051
		Vz	-27.874	-27.874	-27.874	-27.874	-27.874	-27.874	-27.874
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-17.16	-12.26	-7.35	-2.44	2.47	7.37	12.28
		Mz	-0.04	-0.03	-0.02	-0.01	0.00	0.01	0.02
	TB-450 - A1	N	6.411	6.411	6.411	6.411	6.411	6.411	6.411
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	-1.041	-1.041	-1.041	-1.041	-1.041	-1.041	-1.041
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.74	-1.56	-1.38	-1.19	-1.01	-0.83	-0.64
		Mz	0.02	0.02	0.02	0.01	0.01	0.01	0.01
	TB-450 - A2	N	15.840	15.840	15.840	15.840	15.840	15.840	15.840
		Vy	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vz	-2.442	-2.442	-2.442	-2.442	-2.442	-2.442	-2.442
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.08	-3.65	-3.22	-2.79	-2.36	-1.93	-1.50
		Mz	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01
	TB-450 - B1	N	20.625	20.625	20.625	20.625	20.625	20.625	20.625

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Vy	-0.200	-0.200	-0.200	-0.200	-0.200	-0.200	-0.200
		Vz	-3.038	-3.038	-3.038	-3.038	-3.038	-3.038	-3.038
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.05	-4.52	-3.98	-3.45	-2.91	-2.38	-1.84
		Mz	-0.19	-0.15	-0.12	-0.08	-0.05	-0.01	0.02
	TB-450 - B2	N	48.349	48.349	48.349	48.349	48.349	48.349	48.349
		Vy	0.186	0.186	0.186	0.186	0.186	0.186	0.186
		Vz	-7.162	-7.162	-7.162	-7.162	-7.162	-7.162	-7.162
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-11.92	-10.66	-9.40	-8.14	-6.88	-5.62	-4.36
		Mz	0.17	0.14	0.11	0.08	0.04	0.01	-0.02
	TB-450 - C1	N	33.950	33.950	33.950	33.950	33.950	33.950	33.950
		Vy	-0.237	-0.237	-0.237	-0.237	-0.237	-0.237	-0.237
		Vz	-5.114	-5.114	-5.114	-5.114	-5.114	-5.114	-5.114
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-8.11	-7.21	-6.31	-5.41	-4.51	-3.61	-2.71
		Mz	-0.21	-0.16	-0.12	-0.08	-0.04	0.00	0.05
	TB-450 - C2	N	79.784	79.784	79.784	79.784	79.784	79.784	79.784
		Vy	0.210	0.210	0.210	0.210	0.210	0.210	0.210
		Vz	-12.084	-12.084	-12.084	-12.084	-12.084	-12.084	-12.084
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-19.20	-17.07	-14.94	-12.81	-10.69	-8.56	-6.43
		Mz	0.18	0.14	0.11	0.07	0.03	0.00	-0.04
	TB-450 - D1	N	45.132	45.132	45.132	45.132	45.132	45.132	45.132
		Vy	-0.131	-0.131	-0.131	-0.131	-0.131	-0.131	-0.131
		Vz	-10.700	-10.700	-10.700	-10.700	-10.700	-10.700	-10.700
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.98	-3.10	-1.22	0.67	2.55	4.44	6.32
		Mz	-0.13	-0.10	-0.08	-0.06	-0.03	-0.01	0.01
	TB-450 - D2	N	106.599	106.599	106.599	106.599	106.599	106.599	106.599
		Vy	0.088	0.088	0.088	0.088	0.088	0.088	0.088
		Vz	-25.352	-25.352	-25.352	-25.352	-25.352	-25.352	-25.352
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-11.81	-7.35	-2.89	1.58	6.04	10.51	14.97
		Mz	0.10	0.08	0.07	0.05	0.04	0.02	0.00
	TB-450 - E1	N	29.117	29.117	29.117	29.117	29.117	29.117	29.117
		Vy	-0.108	-0.108	-0.108	-0.108	-0.108	-0.108	-0.108
		Vz	-2.450	-2.450	-2.450	-2.450	-2.450	-2.450	-2.450
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.12	6.55	6.98	7.41	7.84	8.27	8.71
		Mz	-0.11	-0.09	-0.07	-0.05	-0.04	-0.02	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N208/N197	Peso próprio	N	197.428	197.457	197.486
		Vy	-0.036	-0.036	-0.036
		Vz	-167.033	-166.742	-166.450
		Mt	0.01	0.01	0.01
		My	-1.62	19.24	40.06
		Mz	0.05	0.05	0.06
	LAJE	N	329.641	329.641	329.641
		Vy	-0.065	-0.065	-0.065
		Vz	-387.347	-387.347	-387.347
		Mt	0.00	0.00	0.00
		My	-47.09	1.32	49.74
		Mz	0.03	0.03	0.04
	PAVIMENTAÇÃO	N	179.897	179.897	179.897
		Vy	-0.036	-0.036	-0.036
		Vz	-211.363	-211.363	-211.363
		Mt	0.00	0.00	0.00
		My	-25.70	0.72	27.14
		Mz	0.01	0.02	0.02
	RECAPEAMENTO	N	81.771	81.771	81.771
		Vy	-0.017	-0.017	-0.017
		Vz	-96.074	-96.074	-96.074
		Mt	0.00	0.00	0.00
		My	-11.68	0.33	12.34
		Mz	0.01	0.01	0.01
	GUARDA-RODAS	N	44.311	44.311	44.311
		Vy	-0.005	-0.005	-0.005
		Vz	-52.154	-52.154	-52.154
		Mt	0.00	0.00	0.00
		My	-6.34	0.18	6.69
		Mz	0.00	0.00	0.00
	Vento 0	N	-26.620	-26.620	-26.620
		Vy	22.451	22.451	22.451
		Vz	5.345	5.345	5.345
		Mt	-0.05	-0.05	-0.05
		My	1.50	0.83	0.16
		Mz	11.43	8.62	5.82
	Vento 180	N	9.687	9.687	9.687
		Vy	-18.945	-19.133	-19.320
		Vz	-7.390	-7.390	-7.390
		Mt	0.03	0.03	0.03
		My	-1.94	-1.02	-0.10
		Mz	-6.61	-4.23	-1.83
	Multidão - Passeio	N	57.398	57.398	57.398
		Vy	-0.001	-0.001	-0.001
		Vz	-67.692	-67.692	-67.692
		Mt	0.00	0.00	0.00
		My	-8.24	0.22	8.69
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	188.198	188.198	188.198

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	-0.051	-0.051	-0.051
		Vz	-220.790	-220.790	-220.790
		Mt	0.00	0.00	0.00
		My	-26.83	0.77	28.36
		Mz	0.02	0.02	0.03
	TB-450 - A1	N	7.357	7.357	7.357
		Vy	0.003	0.003	0.003
		Vz	-10.542	-10.542	-10.542
		Mt	0.00	0.00	0.00
		My	-2.75	-1.43	-0.12
		Mz	0.01	0.01	0.01
	TB-450 - A2	N	18.059	18.059	18.059
		Vy	0.015	0.015	0.015
		Vz	-24.730	-24.730	-24.730
		Mt	0.00	0.00	0.00
		My	-6.45	-3.36	-0.27
		Mz	-0.01	-0.02	-0.02
	TB-450 - B1	N	23.387	23.387	23.387
		Vy	-0.200	-0.200	-0.200
		Vz	-30.774	-30.774	-30.774
		Mt	0.00	0.00	0.00
		My	-8.00	-4.15	-0.31
		Mz	0.02	0.05	0.07
	TB-450 - B2	N	54.855	54.855	54.855
		Vy	0.186	0.186	0.186
		Vz	-72.497	-72.497	-72.497
		Mt	0.00	0.00	0.00
		My	-18.87	-9.81	-0.75
		Mz	-0.02	-0.04	-0.07
	TB-450 - C1	N	38.468	38.468	38.468
		Vy	-0.237	-0.237	-0.237
		Vz	-50.505	-50.505	-50.505
		Mt	0.00	0.00	0.00
		My	-12.78	-6.46	-0.15
		Mz	0.05	0.07	0.10
	TB-450 - C2	N	90.453	90.453	90.453
		Vy	0.210	0.210	0.210
		Vz	-119.271	-119.271	-119.271
		Mt	0.00	0.00	0.00
		My	-30.20	-15.29	-0.39
		Mz	-0.04	-0.07	-0.09
	TB-450 - D1	N	50.523	50.523	50.523
		Vy	-0.132	-0.132	-0.132
		Vz	-68.648	-68.648	-68.648
		Mt	0.00	0.00	0.00
		My	-5.12	3.46	12.04
		Mz	0.01	0.03	0.04
	TB-450 - D2	N	119.356	119.356	119.356
		Vy	0.088	0.088	0.088

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-162.514	-162.514	-162.514
		Mt	0.00	0.00	0.00
		My	-12.11	8.21	28.52
		Mz	0.00	-0.01	-0.02
	TB-450 - E1	N	30.153	30.153	30.153
		Vy	-0.108	-0.108	-0.108
		Vz	-16.634	-16.634	-16.634
		Mt	0.00	0.00	0.00
		My	7.10	9.18	11.26
		Mz	0.00	0.02	0.03
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N197/N209	Peso próprio	N	203.847	203.876	203.905
		Vy	0.107	0.107	0.107
		Vz	-94.075	-93.783	-93.492
		Mt	0.00	0.00	0.00
		My	37.92	49.66	61.36
		Mz	-0.10	-0.11	-0.12
	LAJE	N	342.684	342.684	342.684
		Vy	-0.102	-0.102	-0.102
		Vz	-275.670	-275.670	-275.670
		Mt	-0.01	-0.01	-0.01
		My	46.43	80.89	115.35
		Mz	-0.18	-0.17	-0.16
	PAVIMENTAÇÃO	N	187.046	187.046	187.046
		Vy	-0.057	-0.057	-0.057
		Vz	-150.423	-150.423	-150.423
		Mt	0.00	0.00	0.00
		My	25.34	44.14	62.94
		Mz	-0.10	-0.09	-0.09
	RECAPEAMENTO	N	85.021	85.021	85.021
		Vy	-0.026	-0.026	-0.026
		Vz	-68.374	-68.374	-68.374
		Mt	0.00	0.00	0.00
		My	11.52	20.06	28.61
		Mz	-0.05	-0.04	-0.04
	GUARDA-RODAS	N	45.960	45.960	45.960
		Vy	-0.008	-0.008	-0.008
		Vz	-37.121	-37.121	-37.121
		Mt	0.00	0.00	0.00
		My	6.25	10.89	15.53

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mz	-0.02	-0.02	-0.01
	Vento 0	N	-36.916	-36.916	-36.916
		Vy	10.454	10.454	10.454
		Vz	6.170	6.170	6.170
		Mt	-0.04	-0.04	-0.04
		My	0.15	-0.62	-1.39
		Mz	5.93	4.63	3.32
	Vento 180	N	23.353	23.353	23.353
		Vy	-7.798	-7.986	-8.173
		Vz	-7.845	-7.845	-7.845
		Mt	0.02	0.02	0.02
		My	-0.09	0.89	1.87
		Mz	-2.04	-1.05	-0.04
	Multidão - Passeio	N	59.370	59.370	59.370
		Vy	-0.003	-0.003	-0.003
		Vz	-48.186	-48.186	-48.186
		Mt	0.00	0.00	0.00
		My	8.11	14.13	20.15
		Mz	-0.01	-0.01	-0.01
	Multidão - TB450	N	196.073	196.073	196.073
		Vy	-0.080	-0.080	-0.080
		Vz	-157.119	-157.119	-157.119
		Mt	-0.01	-0.01	-0.01
		My	26.48	46.12	65.76
		Mz	-0.14	-0.13	-0.12
	TB-450 - A1	N	6.752	6.752	6.752
		Vy	-0.011	-0.011	-0.011
		Vz	-10.542	-10.542	-10.542
		Mt	0.00	0.00	0.00
		My	-0.12	1.20	2.52
		Mz	0.01	0.01	0.02
	TB-450 - A2	N	17.448	17.448	17.448
		Vy	0.016	0.016	0.016
		Vz	-24.731	-24.731	-24.731
		Mt	0.00	0.00	0.00
		My	-0.27	2.82	5.91
		Mz	-0.02	-0.02	-0.02
	TB-450 - B1	N	24.153	24.153	24.153
		Vy	-0.295	-0.295	-0.295
		Vz	-30.756	-30.756	-30.756
		Mt	0.00	0.00	0.00
		My	-0.31	3.54	7.38
		Mz	0.07	0.11	0.15
	TB-450 - B2	N	55.309	55.309	55.309
		Vy	0.293	0.293	0.293
		Vz	-72.490	-72.490	-72.490
		Mt	0.00	0.00	0.00
		My	-0.75	8.32	17.38
		Mz	-0.07	-0.11	-0.14

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
	TB-450 - C1	N	39.788	39.788	39.788
		Vy	-0.347	-0.347	-0.347
		Vz	-50.478	-50.478	-50.478
		Mt	0.00	0.00	0.00
		My	-0.15	6.16	12.47
		Mz	0.10	0.15	0.19
	TB-450 - C2	N	91.418	91.418	91.418
		Vy	0.345	0.345	0.345
		Vz	-119.258	-119.258	-119.258
		Mt	0.00	0.00	0.00
		My	-0.39	14.52	29.43
		Mz	-0.10	-0.14	-0.18
	TB-450 - D1	N	55.462	55.462	55.462
		Vy	-0.221	-0.221	-0.221
		Vz	-43.211	-43.211	-43.211
		Mt	0.00	0.00	0.00
		My	11.29	16.69	22.09
		Mz	-0.04	-0.01	0.02
	TB-450 - D2	N	127.445	127.445	127.445
		Vy	0.120	0.120	0.120
		Vz	-102.239	-102.239	-102.239
		Mt	0.00	0.00	0.00
		My	26.73	39.51	52.29
		Mz	-0.15	-0.16	-0.18
	TB-450 - E1	N	31.892	31.892	31.892
		Vy	-0.211	-0.211	-0.211
		Vz	8.891	8.891	8.891
		Mt	-0.01	-0.01	-0.01
		My	10.50	9.39	8.28
		Mz	-0.05	-0.02	0.00
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações								
Barra	Hipótese	Esforço	Posições na barra					
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N209/N202	Peso próprio	N	232.347	232.388	232.428	232.469	232.510	232.551	232.591
		Vy	0.107	0.107	0.107	0.107	0.107	0.107	0.107
		Vz	1.738	2.148	2.559	2.970	3.381	3.792	4.203
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	33.24	32.89	32.48	31.99	31.43	30.80	30.10
		Mz	-0.12	-0.14	-0.16	-0.18	-0.20	-0.22	-0.24
	LAJE	N	423.680	423.680	423.680	423.680	423.680	423.680	423.680
		Vy	-0.102	-0.102	-0.102	-0.102	-0.102	-0.102	-0.102
		Vz	-7.844	-7.844	-7.844	-7.844	-7.844	-7.844	-7.844

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	36.66	38.05	39.43	40.81	42.19	43.57	44.95
		Mz	-0.16	-0.14	-0.12	-0.10	-0.09	-0.07	-0.05
	PAVIMENTAÇÃO	N	231.243	231.243	231.243	231.243	231.243	231.243	231.243
		Vy	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058
		Vz	-4.280	-4.280	-4.280	-4.280	-4.280	-4.280	-4.280
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	20.01	20.76	21.51	22.27	23.02	23.78	24.53
		Mz	-0.09	-0.08	-0.07	-0.06	-0.05	-0.04	-0.03
	RECAPEAMENTO	N	105.111	105.111	105.111	105.111	105.111	105.111	105.111
		Vy	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026
		Vz	-1.945	-1.945	-1.945	-1.945	-1.945	-1.945	-1.945
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.09	9.44	9.78	10.12	10.46	10.81	11.15
		Mz	-0.04	-0.04	-0.03	-0.03	-0.02	-0.02	-0.01
	GUARDA-RODAS	N	56.867	56.867	56.867	56.867	56.867	56.867	56.867
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	-1.057	-1.057	-1.057	-1.057	-1.057	-1.057	-1.057
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.93	5.12	5.31	5.49	5.68	5.86	6.05
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	Vento 0	N	-38.694	-38.694	-38.694	-38.694	-38.694	-38.694	-38.694
		Vy	10.455	10.455	10.455	10.455	10.455	10.455	10.455
		Vz	0.127	0.127	0.127	0.127	0.127	0.127	0.127
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	0.20	0.17	0.15	0.13	0.11	0.09	0.06
		Mz	3.31	1.47	-0.37	-2.22	-4.06	-5.90	-7.74
	Vento 180	N	25.638	25.638	25.638	25.638	25.638	25.638	25.638
		Vy	-8.177	-8.441	-8.706	-8.970	-9.234	-9.498	-9.762
		Vz	-0.112	-0.112	-0.112	-0.112	-0.112	-0.112	-0.112
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.19	-0.17	-0.15	-0.14	-0.12	-0.10	-0.08
		Mz	-0.03	1.43	2.94	4.50	6.10	7.75	9.44
	Multidão - Passeio	N	73.527	73.527	73.527	73.527	73.527	73.527	73.527
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-1.374	-1.374	-1.374	-1.374	-1.374	-1.374	-1.374
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.40	6.64	6.88	7.13	7.37	7.61	7.85
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00
	Multidão - TB450	N	242.239	242.239	242.239	242.239	242.239	242.239	242.239
		Vy	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080
		Vz	-4.466	-4.466	-4.466	-4.466	-4.466	-4.466	-4.466
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	20.91	21.70	22.48	23.27	24.06	24.84	25.63
		Mz	-0.12	-0.10	-0.09	-0.08	-0.06	-0.05	-0.03
	TB-450 - A1	N	9.829	9.829	9.829	9.829	9.829	9.829	9.829
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	-0.176	-0.176	-0.176	-0.176	-0.176	-0.176	-0.176
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		My	-0.30	-0.27	-0.24	-0.20	-0.17	-0.14	-0.11
		Mz	0.02	0.02	0.02	0.02	0.02	0.03	0.03
	TB-450 - A2	N	24.670	24.670	24.670	24.670	24.670	24.670	24.670
		Vy	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vz	-0.407	-0.407	-0.407	-0.407	-0.407	-0.407	-0.407
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.69	-0.62	-0.55	-0.48	-0.41	-0.33	-0.26
		Mz	-0.02	-0.02	-0.03	-0.03	-0.03	-0.04	-0.04
	TB-450 - B1	N	33.133	33.133	33.133	33.133	33.133	33.133	33.133
		Vy	-0.295	-0.295	-0.295	-0.295	-0.295	-0.295	-0.295
		Vz	-0.511	-0.511	-0.511	-0.511	-0.511	-0.511	-0.511
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.83	-0.74	-0.65	-0.56	-0.47	-0.38	-0.29
		Mz	0.15	0.20	0.25	0.30	0.35	0.41	0.46
	TB-450 - B2	N	76.469	76.469	76.469	76.469	76.469	76.469	76.469
		Vy	0.294	0.294	0.294	0.294	0.294	0.294	0.294
		Vz	-1.220	-1.220	-1.220	-1.220	-1.220	-1.220	-1.220
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.98	-1.76	-1.55	-1.33	-1.12	-0.91	-0.69
		Mz	-0.14	-0.20	-0.25	-0.30	-0.35	-0.40	-0.45
	TB-450 - C1	N	54.376	54.376	54.376	54.376	54.376	54.376	54.376
		Vy	-0.348	-0.348	-0.348	-0.348	-0.348	-0.348	-0.348
		Vz	-1.297	-1.297	-1.297	-1.297	-1.297	-1.297	-1.297
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.86	-0.63	-0.41	-0.18	0.05	0.28	0.51
		Mz	0.19	0.25	0.31	0.37	0.43	0.49	0.56
	TB-450 - C2	N	125.876	125.876	125.876	125.876	125.876	125.876	125.876
		Vy	0.345	0.345	0.345	0.345	0.345	0.345	0.345
		Vz	-3.090	-3.090	-3.090	-3.090	-3.090	-3.090	-3.090
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.06	-1.51	-0.97	-0.42	0.12	0.66	1.21
		Mz	-0.18	-0.24	-0.30	-0.36	-0.42	-0.49	-0.55
	TB-450 - D1	N	67.326	67.326	67.326	67.326	67.326	67.326	67.326
		Vy	-0.222	-0.222	-0.222	-0.222	-0.222	-0.222	-0.222
		Vz	-4.477	-4.477	-4.477	-4.477	-4.477	-4.477	-4.477
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	10.03	10.82	11.61	12.40	13.18	13.97	14.76
		Mz	0.02	0.06	0.09	0.13	0.17	0.21	0.25
	TB-450 - D2	N	155.509	155.509	155.509	155.509	155.509	155.509	155.509
		Vy	0.120	0.120	0.120	0.120	0.120	0.120	0.120
		Vz	-10.626	-10.626	-10.626	-10.626	-10.626	-10.626	-10.626
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	23.76	25.63	27.50	29.37	31.24	33.12	34.99
		Mz	-0.18	-0.20	-0.22	-0.24	-0.26	-0.28	-0.30
	TB-450 - E1	N	30.437	30.437	30.437	30.437	30.437	30.437	30.437
		Vy	-0.212	-0.212	-0.212	-0.212	-0.212	-0.212	-0.212
		Vz	2.899	2.899	2.899	2.899	2.899	2.899	2.899
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.71	8.20	7.69	7.18	6.66	6.15	5.64

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Mz	0.00	0.04	0.08	0.11	0.15	0.19	0.23
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N202/N206	Peso próprio	N	232.591	232.632	232.673	232.714	232.754	232.795	232.836
		Vy	0.107	0.107	0.107	0.107	0.107	0.107	0.107
		Vz	4.203	4.613	5.024	5.435	5.846	6.257	6.668
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	30.10	29.32	28.47	27.55	26.56	25.50	24.36
		Mz	-0.24	-0.25	-0.27	-0.29	-0.31	-0.33	-0.35
	LAJE	N	423.680	423.680	423.680	423.680	423.680	423.680	423.680
		Vy	-0.102	-0.102	-0.102	-0.102	-0.102	-0.102	-0.102
		Vz	-7.844	-7.844	-7.844	-7.844	-7.844	-7.844	-7.844
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	44.95	46.33	47.71	49.09	50.47	51.86	53.24
		Mz	-0.05	-0.03	-0.01	0.00	0.02	0.04	0.06
	PAVIMENTAÇÃO	N	231.243	231.243	231.243	231.243	231.243	231.243	231.243
		Vy	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058
		Vz	-4.280	-4.280	-4.280	-4.280	-4.280	-4.280	-4.280
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	24.53	25.28	26.04	26.79	27.54	28.30	29.05
		Mz	-0.03	-0.02	-0.01	0.00	0.01	0.02	0.03
	RECAPEAMENTO	N	105.111	105.111	105.111	105.111	105.111	105.111	105.111
		Vy	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026
		Vz	-1.945	-1.945	-1.945	-1.945	-1.945	-1.945	-1.945
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.15	11.49	11.83	12.18	12.52	12.86	13.20
		Mz	-0.01	-0.01	0.00	0.00	0.01	0.01	0.02
	GUARDA-RODAS	N	56.867	56.867	56.867	56.867	56.867	56.867	56.867
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	-1.057	-1.057	-1.057	-1.057	-1.057	-1.057	-1.057
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.05	6.24	6.42	6.61	6.80	6.98	7.17
		Mz	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-38.694	-38.694	-38.694	-38.694	-38.694	-38.694	-38.694
		Vy	10.455	10.455	10.455	10.455	10.455	10.455	10.455
		Vz	0.127	0.127	0.127	0.127	0.127	0.127	0.127
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	0.06	0.04	0.02	0.00	-0.03	-0.05	-0.07
		Mz	-7.74	-9.58	-11.42	-13.26	-15.10	-16.94	-18.78
	Vento 180	N	25.638	25.638	25.638	25.638	25.638	25.638	25.638
		Vy	-9.762	-10.026	-10.290	-10.554	-10.818	-11.082	-11.347

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Vz	-0.112	-0.112	-0.112	-0.112	-0.112	-0.112	-0.112
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.08	-0.06	-0.04	-0.02	0.00	0.02	0.04
		Mz	9.44	11.19	12.98	14.81	16.69	18.62	20.59
	Multidão - Passeio	N	73.527	73.527	73.527	73.527	73.527	73.527	73.527
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-1.374	-1.374	-1.374	-1.374	-1.374	-1.374	-1.374
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.85	8.09	8.34	8.58	8.82	9.06	9.30
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	242.239	242.239	242.239	242.239	242.239	242.239	242.239
		Vy	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080
		Vz	-4.466	-4.466	-4.466	-4.466	-4.466	-4.466	-4.466
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.63	26.41	27.20	27.99	28.77	29.56	30.35
		Mz	-0.03	-0.02	-0.01	0.01	0.02	0.04	0.05
	TB-450 - A1	N	9.829	9.829	9.829	9.829	9.829	9.829	9.829
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	-0.176	-0.176	-0.176	-0.176	-0.176	-0.176	-0.176
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.11	-0.08	-0.05	-0.02	0.01	0.04	0.07
		Mz	0.03	0.03	0.03	0.03	0.04	0.04	0.04
	TB-450 - A2	N	24.670	24.670	24.670	24.670	24.670	24.670	24.670
		Vy	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vz	-0.407	-0.407	-0.407	-0.407	-0.407	-0.407	-0.407
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.26	-0.19	-0.12	-0.05	0.02	0.10	0.17
		Mz	-0.04	-0.04	-0.04	-0.05	-0.05	-0.05	-0.06
	TB-450 - B1	N	33.133	33.133	33.133	33.133	33.133	33.133	33.133
		Vy	-0.295	-0.295	-0.295	-0.295	-0.295	-0.295	-0.295
		Vz	-0.511	-0.511	-0.511	-0.511	-0.511	-0.511	-0.511
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.29	-0.20	-0.11	-0.02	0.07	0.16	0.25
		Mz	0.46	0.51	0.56	0.61	0.67	0.72	0.77
	TB-450 - B2	N	76.469	76.469	76.469	76.469	76.469	76.469	76.469
		Vy	0.294	0.294	0.294	0.294	0.294	0.294	0.294
		Vz	-1.220	-1.220	-1.220	-1.220	-1.220	-1.220	-1.220
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.69	-0.48	-0.26	-0.05	0.17	0.38	0.60
		Mz	-0.45	-0.51	-0.56	-0.61	-0.66	-0.71	-0.76
	TB-450 - C1	N	54.376	54.376	54.376	54.376	54.376	54.376	54.376
		Vy	-0.348	-0.348	-0.348	-0.348	-0.348	-0.348	-0.348
		Vz	-1.297	-1.297	-1.297	-1.297	-1.297	-1.297	-1.297
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.51	0.74	0.96	1.19	1.42	1.65	1.88
		Mz	0.56	0.62	0.68	0.74	0.80	0.86	0.92
	TB-450 - C2	N	125.876	125.876	125.876	125.876	125.876	125.876	125.876
		Vy	0.345	0.345	0.345	0.345	0.345	0.345	0.345
		Vz	-3.090	-3.090	-3.090	-3.090	-3.090	-3.090	-3.090

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.21	1.75	2.30	2.84	3.38	3.93	4.47
		Mz	-0.55	-0.61	-0.67	-0.73	-0.79	-0.85	-0.91
	TB-450 - D1	N	67.326	67.326	67.326	67.326	67.326	67.326	67.326
		Vy	-0.222	-0.222	-0.222	-0.222	-0.222	-0.222	-0.222
		Vz	-4.477	-4.477	-4.477	-4.477	-4.477	-4.477	-4.477
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.76	15.55	16.34	17.13	17.91	18.70	19.49
		Mz	0.25	0.29	0.33	0.37	0.41	0.45	0.49
	TB-450 - D2	N	155.509	155.509	155.509	155.509	155.509	155.509	155.509
		Vy	0.120	0.120	0.120	0.120	0.120	0.120	0.120
		Vz	-10.626	-10.626	-10.626	-10.626	-10.626	-10.626	-10.626
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	34.99	36.86	38.73	40.60	42.47	44.34	46.21
		Mz	-0.30	-0.32	-0.35	-0.37	-0.39	-0.41	-0.43
	TB-450 - E1	N	30.437	30.437	30.437	30.437	30.437	30.437	30.437
		Vy	-0.212	-0.212	-0.212	-0.212	-0.212	-0.212	-0.212
		Vz	2.899	2.899	2.899	2.899	2.899	2.899	2.899
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.64	5.13	4.62	4.11	3.60	3.09	2.58
		Mz	0.23	0.26	0.30	0.34	0.37	0.41	0.45
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N206/N198	Peso próprio	N	241.075	241.104	241.133
		Vy	0.107	0.107	0.107
		Vz	-70.158	-69.866	-69.574
		Mt	0.00	0.00	0.00
		My	7.45	16.21	24.92
		Mz	-0.35	-0.36	-0.38
	LAJE	N	449.978	449.978	449.978
		Vy	-0.102	-0.102	-0.102
		Vz	-286.262	-286.262	-286.262
		Mt	0.00	0.00	0.00
		My	-1.15	34.63	70.41
		Mz	0.06	0.07	0.08
	PAVIMENTAÇÃO	N	245.593	245.593	245.593
		Vy	-0.058	-0.058	-0.058
		Vz	-156.203	-156.203	-156.203
		Mt	0.00	0.00	0.00
		My	-0.63	18.90	38.42
		Mz	0.03	0.04	0.05

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
	RECAPEAMENTO	N	111.633	111.633	111.633
		Vy	-0.026	-0.026	-0.026
		Vz	-71.001	-71.001	-71.001
		Mt	0.00	0.00	0.00
		My	-0.29	8.59	17.46
		Mz	0.01	0.02	0.02
	GUARDA-RODAS	N	60.408	60.408	60.408
		Vy	-0.008	-0.008	-0.008
		Vz	-38.548	-38.548	-38.548
		Mt	0.00	0.00	0.00
		My	-0.15	4.66	9.48
		Mz	0.00	0.00	0.01
	Vento 0	N	-39.327	-39.327	-39.327
		Vy	10.477	10.477	10.477
		Vz	6.058	6.058	6.058
		Mt	-0.18	-0.18	-0.18
		My	1.35	0.60	-0.16
		Mz	-18.81	-20.11	-21.42
	Vento 180	N	26.452	26.452	26.452
		Vy	-11.290	-11.478	-11.665
		Vz	-7.862	-7.862	-7.862
		Mt	-0.38	-0.38	-0.38
		My	-1.77	-0.79	0.19
		Mz	20.60	22.02	23.46
	Multidão - Passeio	N	78.123	78.123	78.123
		Vy	-0.003	-0.003	-0.003
		Vz	-50.039	-50.039	-50.039
		Mt	0.00	0.00	0.00
		My	-0.20	6.05	12.31
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	257.229	257.229	257.229
		Vy	-0.080	-0.080	-0.080
		Vz	-163.154	-163.154	-163.154
		Mt	0.00	0.00	0.00
		My	-0.66	19.74	40.13
		Mz	0.05	0.06	0.07
	TB-450 - A1	N	10.918	10.918	10.918
		Vy	-0.012	-0.012	-0.012
		Vz	-10.952	-10.952	-10.952
		Mt	0.00	0.00	0.00
		My	-2.31	-0.94	0.43
		Mz	0.04	0.04	0.04
	TB-450 - A2	N	27.226	27.226	27.226
		Vy	0.016	0.016	0.016
		Vz	-25.691	-25.691	-25.691
		Mt	0.00	0.00	0.00
		My	-5.43	-2.21	1.00
		Mz	-0.06	-0.06	-0.06
	TB-450 - B1	N	36.310	36.310	36.310

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	-0.295	-0.295	-0.295
		Vz	-31.918	-31.918	-31.918
		Mt	0.01	0.01	0.01
		My	-6.71	-2.72	1.27
		Mz	0.77	0.81	0.84
	TB-450 - B2	N	83.954	83.954	83.954
		Vy	0.295	0.295	0.295
		Vz	-75.241	-75.241	-75.241
		Mt	-0.01	-0.01	-0.01
		My	-15.78	-6.38	3.03
		Mz	-0.76	-0.80	-0.84
	TB-450 - C1	N	59.410	59.410	59.410
		Vy	-0.348	-0.348	-0.348
		Vz	-51.101	-51.101	-51.101
		Mt	0.00	0.00	0.00
		My	-9.10	-2.72	3.67
		Mz	0.92	0.97	1.01
	TB-450 - C2	N	137.762	137.762	137.762
		Vy	0.346	0.346	0.346
		Vz	-120.736	-120.736	-120.736
		Mt	-0.01	-0.01	-0.01
		My	-21.45	-6.36	8.73
		Mz	-0.91	-0.95	-1.00
	TB-450 - D1	N	70.739	70.739	70.739
		Vy	-0.223	-0.223	-0.223
		Vz	-46.467	-46.467	-46.467
		Mt	0.00	0.00	0.00
		My	13.30	19.10	24.91
		Mz	0.49	0.51	0.54
	TB-450 - D2	N	163.574	163.574	163.574
		Vy	0.120	0.120	0.120
		Vz	-109.970	-109.970	-109.970
		Mt	0.00	0.00	0.00
		My	31.59	45.33	59.08
		Mz	-0.43	-0.45	-0.46
	TB-450 - E1	N	29.761	29.761	29.761
		Vy	-0.212	-0.212	-0.212
		Vz	9.511	9.511	9.511
		Mt	0.00	0.00	0.00
		My	4.19	3.00	1.81
		Mz	0.45	0.48	0.50
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N198/N207	Peso próprio	N	242.002	242.030	242.059
		Vy	-0.060	-0.060	-0.060
		Vz	-57.510	-57.219	-56.927
		Mt	0.00	0.00	0.00
		My	24.56	31.73	38.87
		Mz	-0.41	-0.40	-0.40
	LAJE	N	462.073	462.073	462.073
		Vy	0.030	0.030	0.030
		Vz	-174.885	-174.885	-174.885
		Mt	0.00	0.00	0.00
		My	67.10	88.96	110.82
		Mz	0.05	0.04	0.04
	PAVIMENTAÇÃO	N	252.209	252.209	252.209
		Vy	0.017	0.017	0.017
		Vz	-95.430	-95.430	-95.430
		Mt	0.00	0.00	0.00
		My	36.61	48.54	60.47
		Mz	0.03	0.03	0.02
	RECAPEAMENTO	N	114.640	114.640	114.640
		Vy	0.008	0.008	0.008
		Vz	-43.377	-43.377	-43.377
		Mt	0.00	0.00	0.00
		My	16.64	22.07	27.49
		Mz	0.01	0.01	0.01
	GUARDA-RODAS	N	61.984	61.984	61.984
		Vy	0.002	0.002	0.002
		Vz	-23.542	-23.542	-23.542
		Mt	0.00	0.00	0.00
		My	9.04	11.98	14.92
		Mz	0.00	0.00	0.00
	Vento 0	N	-39.291	-39.291	-39.291
		Vy	-8.064	-8.064	-8.064
		Vz	7.234	7.234	7.234
		Mt	-0.17	-0.17	-0.17
		My	-0.18	-1.08	-1.99
		Mz	-21.21	-20.21	-19.20
	Vento 180	N	36.115	36.115	36.115
		Vy	11.827	11.639	11.452
		Vz	-8.969	-8.969	-8.969
		Mt	-0.40	-0.40	-0.40
		My	0.21	1.33	2.45
		Mz	23.09	21.62	20.18
	Multidão - Passeio	N	80.088	80.088	80.088
		Vy	0.000	0.000	0.000
		Vz	-30.547	-30.547	-30.547
		Mt	0.00	0.00	0.00
		My	11.73	15.55	19.37
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	264.336	264.336	264.336

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	0.025	0.025	0.025
		Vz	-99.707	-99.707	-99.707
		Mt	0.00	0.00	0.00
		My	38.24	50.71	63.17
		Mz	0.05	0.04	0.04
	TB-450 - A1	N	10.774	10.774	10.774
		Vy	-0.019	-0.019	-0.019
		Vz	-10.900	-10.900	-10.900
		Mt	0.00	0.00	0.00
		My	0.43	1.79	3.15
		Mz	0.03	0.03	0.03
	TB-450 - A2	N	27.081	27.081	27.081
		Vy	-0.004	-0.004	-0.004
		Vz	-25.638	-25.638	-25.638
		Mt	0.00	0.00	0.00
		My	1.00	4.20	7.41
		Mz	-0.07	-0.07	-0.07
	TB-450 - B1	N	37.226	37.226	37.226
		Vy	0.163	0.163	0.163
		Vz	-31.998	-31.998	-31.998
		Mt	0.01	0.01	0.01
		My	1.27	5.27	9.27
		Mz	0.86	0.83	0.81
	TB-450 - B2	N	84.461	84.461	84.461
		Vy	-0.137	-0.137	-0.137
		Vz	-75.275	-75.275	-75.275
		Mt	-0.01	-0.01	-0.01
		My	3.03	12.44	21.85
		Mz	-0.81	-0.80	-0.78
	TB-450 - C1	N	60.957	60.957	60.957
		Vy	0.192	0.192	0.192
		Vz	-51.226	-51.226	-51.226
		Mt	0.01	0.01	0.01
		My	3.67	10.08	16.48
		Mz	1.03	1.01	0.99
	TB-450 - C2	N	138.836	138.836	138.836
		Vy	-0.143	-0.143	-0.143
		Vz	-120.807	-120.807	-120.807
		Mt	0.00	0.00	0.00
		My	8.73	23.83	38.94
		Mz	-0.96	-0.94	-0.92
	TB-450 - D1	N	76.341	76.341	76.341
		Vy	0.085	0.085	0.085
		Vz	4.248	4.248	4.248
		Mt	0.00	0.00	0.00
		My	23.40	22.87	22.34
		Mz	0.52	0.51	0.50
	TB-450 - D2	N	175.966	175.966	175.966
		Vy	-0.084	-0.084	-0.084

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	10.462	10.462	10.462
		Mt	0.00	0.00	0.00
		My	55.50	54.19	52.88
		Mz	-0.51	-0.50	-0.49
	TB-450 - E1	N	29.436	29.436	29.436
		Vy	0.077	0.077	0.077
		Vz	9.577	9.577	9.577
		Mt	0.00	0.00	0.00
		My	1.81	0.62	-0.58
		Mz	0.47	0.46	0.45
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações								
Barra	Hipótese	Esforço	Posições na barra					
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N207/N203	Peso próprio	N	257.010	257.051	257.092	257.133	257.173	257.214	257.255
		Vy	-0.060	-0.060	-0.060	-0.060	-0.060	-0.060	-0.060
		Vz	-4.833	-4.422	-4.011	-3.601	-3.190	-2.779	-2.368
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	24.69	25.51	26.25	26.92	27.52	28.04	28.50
		Mz	-0.40	-0.38	-0.37	-0.36	-0.35	-0.34	-0.33
	LAJE	N	513.651	513.651	513.651	513.651	513.651	513.651	513.651
		Vy	0.030	0.030	0.030	0.030	0.030	0.030	0.030
		Vz	-6.771	-6.771	-6.771	-6.771	-6.771	-6.771	-6.771
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	58.12	59.31	60.50	61.69	62.88	64.08	65.27
		Mz	0.04	0.03	0.03	0.02	0.02	0.01	0.01
	PAVIMENTAÇÃO	N	280.353	280.353	280.353	280.353	280.353	280.353	280.353
		Vy	0.017	0.017	0.017	0.017	0.017	0.017	0.017
		Vz	-3.696	-3.696	-3.696	-3.696	-3.696	-3.696	-3.696
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	31.71	32.36	33.01	33.66	34.31	34.97	35.62
		Mz	0.02	0.02	0.02	0.01	0.01	0.01	0.01
	RECAPEAMENTO	N	127.433	127.433	127.433	127.433	127.433	127.433	127.433
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	-1.680	-1.680	-1.680	-1.680	-1.680	-1.680	-1.680
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.41	14.71	15.01	15.30	15.60	15.89	16.19
		Mz	0.01	0.01	0.01	0.01	0.01	0.00	0.00
	GUARDA-RODAS	N	68.928	68.928	68.928	68.928	68.928	68.928	68.928
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-0.910	-0.910	-0.910	-0.910	-0.910	-0.910	-0.910
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.82	7.99	8.15	8.31	8.47	8.63	8.79

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-41.118	-41.118	-41.118	-41.118	-41.118	-41.118	-41.118
		Vy	-8.064	-8.064	-8.064	-8.064	-8.064	-8.064	-8.064
		Vz	1.034	1.034	1.034	1.034	1.034	1.034	1.034
		Mt	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		My	-0.32	-0.50	-0.69	-0.87	-1.05	-1.23	-1.42
		Mz	-19.25	-17.83	-16.41	-14.99	-13.57	-12.15	-10.73
	Vento 180	N	38.479	38.479	38.479	38.479	38.479	38.479	38.479
		Vy	8.768	8.504	8.240	7.976	7.712	7.447	7.183
		Vz	-0.964	-0.964	-0.964	-0.964	-0.964	-0.964	-0.964
		Mt	0.05	0.05	0.05	0.05	0.05	0.05	0.05
		My	0.30	0.47	0.63	0.80	0.97	1.14	1.31
		Mz	20.27	18.75	17.28	15.85	14.47	13.14	11.85
	Multidão - Passeio	N	89.099	89.099	89.099	89.099	89.099	89.099	89.099
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.178	-1.178	-1.178	-1.178	-1.178	-1.178	-1.178
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	10.16	10.36	10.57	10.78	10.99	11.19	11.40
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	293.740	293.740	293.740	293.740	293.740	293.740	293.740
		Vy	0.024	0.024	0.024	0.024	0.024	0.024	0.024
		Vz	-3.867	-3.867	-3.867	-3.867	-3.867	-3.867	-3.867
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	33.13	33.81	34.49	35.17	35.85	36.53	37.21
		Mz	0.04	0.03	0.03	0.03	0.02	0.02	0.01
	TB-450 - A1	N	13.964	13.964	13.964	13.964	13.964	13.964	13.964
		Vy	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
		Vz	-0.173	-0.173	-0.173	-0.173	-0.173	-0.173	-0.173
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.22	0.25	0.28	0.31	0.34	0.37	0.40
		Mz	0.03	0.04	0.04	0.04	0.05	0.05	0.05
	TB-450 - A2	N	34.581	34.581	34.581	34.581	34.581	34.581	34.581
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-0.413	-0.413	-0.413	-0.413	-0.413	-0.413	-0.413
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.50	0.58	0.65	0.72	0.79	0.87	0.94
		Mz	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07
	TB-450 - B1	N	46.544	46.544	46.544	46.544	46.544	46.544	46.544
		Vy	0.163	0.163	0.163	0.163	0.163	0.163	0.163
		Vz	-0.650	-0.650	-0.650	-0.650	-0.650	-0.650	-0.650
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.70	0.81	0.93	1.04	1.16	1.27	1.39
		Mz	0.82	0.79	0.76	0.73	0.70	0.67	0.64
	TB-450 - B2	N	106.396	106.396	106.396	106.396	106.396	106.396	106.396
		Vy	-0.137	-0.137	-0.137	-0.137	-0.137	-0.137	-0.137
		Vz	-1.484	-1.484	-1.484	-1.484	-1.484	-1.484	-1.484
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.67	1.93	2.19	2.45	2.71	2.97	3.23
		Mz	-0.78	-0.76	-0.73	-0.71	-0.69	-0.66	-0.64

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
	TB-450 - C1	N	74.791	74.791	74.791	74.791	74.791	74.791	74.791
		Vy	0.191	0.191	0.191	0.191	0.191	0.191	0.191
		Vz	-4.645	-4.645	-4.645	-4.645	-4.645	-4.645	-4.645
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.63	4.45	5.27	6.09	6.91	7.72	8.54
		Mz	0.99	0.95	0.92	0.89	0.85	0.82	0.79
	TB-450 - C2	N	171.471	171.471	171.471	171.471	171.471	171.471	171.471
		Vy	-0.142	-0.142	-0.142	-0.142	-0.142	-0.142	-0.142
		Vz	-10.934	-10.934	-10.934	-10.934	-10.934	-10.934	-10.934
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.62	10.55	12.47	14.40	16.32	18.25	20.17
		Mz	-0.92	-0.90	-0.87	-0.85	-0.82	-0.80	-0.77
	TB-450 - D1	N	76.488	76.488	76.488	76.488	76.488	76.488	76.488
		Vy	0.085	0.085	0.085	0.085	0.085	0.085	0.085
		Vz	2.255	2.255	2.255	2.255	2.255	2.255	2.255
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	20.02	19.63	19.23	18.83	18.43	18.04	17.64
		Mz	0.50	0.48	0.47	0.45	0.44	0.42	0.41
	TB-450 - D2	N	176.221	176.221	176.221	176.221	176.221	176.221	176.221
		Vy	-0.084	-0.084	-0.084	-0.084	-0.084	-0.084	-0.084
		Vz	5.420	5.420	5.420	5.420	5.420	5.420	5.420
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	47.46	46.51	45.56	44.60	43.65	42.69	41.74
		Mz	-0.49	-0.48	-0.46	-0.45	-0.43	-0.42	-0.40
	TB-450 - E1	N	26.610	26.610	26.610	26.610	26.610	26.610	26.610
		Vy	0.076	0.076	0.076	0.076	0.076	0.076	0.076
		Vz	0.060	0.060	0.060	0.060	0.060	0.060	0.060
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.93	1.92	1.91	1.90	1.89	1.88	1.87
		Mz	0.45	0.44	0.42	0.41	0.40	0.38	0.37
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N203/N204	Peso próprio	N	257.255	257.296	257.336	257.377	257.418	257.459	257.499
		Vy	-0.060	-0.060	-0.060	-0.060	-0.060	-0.060	-0.060
		Vz	-2.368	-1.957	-1.546	-1.136	-0.725	-0.314	0.097
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	28.50	28.88	29.19	29.42	29.59	29.68	29.70
		Mz	-0.33	-0.32	-0.31	-0.30	-0.29	-0.28	-0.27
	LAJE	N	513.651	513.651	513.651	513.651	513.651	513.651	513.651
		Vy	0.030	0.030	0.030	0.030	0.030	0.030	0.030
		Vz	-6.771	-6.771	-6.771	-6.771	-6.771	-6.771	-6.771

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	65.27	66.46	67.65	68.85	70.04	71.23	72.42
		Mz	0.01	0.00	0.00	-0.01	-0.01	-0.02	-0.02
	PAVIMENTAÇÃO	N	280.353	280.353	280.353	280.353	280.353	280.353	280.353
		Vy	0.017	0.017	0.017	0.017	0.017	0.017	0.017
		Vz	-3.696	-3.696	-3.696	-3.696	-3.696	-3.696	-3.696
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	35.62	36.27	36.92	37.57	38.22	38.87	39.52
		Mz	0.01	0.00	0.00	0.00	-0.01	-0.01	-0.01
	RECAPEAMENTO	N	127.433	127.433	127.433	127.433	127.433	127.433	127.433
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	-1.680	-1.680	-1.680	-1.680	-1.680	-1.680	-1.680
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	16.19	16.48	16.78	17.08	17.37	17.67	17.96
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
	GUARDA-RODAS	N	68.928	68.928	68.928	68.928	68.928	68.928	68.928
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-0.910	-0.910	-0.910	-0.910	-0.910	-0.910	-0.910
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.79	8.95	9.11	9.27	9.43	9.59	9.75
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-41.118	-41.118	-41.118	-41.118	-41.118	-41.118	-41.118
		Vy	-8.064	-8.064	-8.064	-8.064	-8.064	-8.064	-8.064
		Vz	1.034	1.034	1.034	1.034	1.034	1.034	1.034
		Mt	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		My	-1.42	-1.60	-1.78	-1.96	-2.14	-2.33	-2.51
		Mz	-10.73	-9.31	-7.89	-6.47	-5.05	-3.63	-2.21
	Vento 180	N	38.479	38.479	38.479	38.479	38.479	38.479	38.479
		Vy	7.183	6.919	6.655	6.391	6.127	5.863	5.599
		Vz	-0.964	-0.964	-0.964	-0.964	-0.964	-0.964	-0.964
		Mt	0.05	0.05	0.05	0.05	0.05	0.05	0.05
		My	1.31	1.48	1.65	1.82	1.99	2.16	2.33
		Mz	11.85	10.61	9.41	8.26	7.16	6.11	5.10
	Multidão - Passeio	N	89.099	89.099	89.099	89.099	89.099	89.099	89.099
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-1.178	-1.178	-1.178	-1.178	-1.178	-1.178	-1.178
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.40	11.61	11.82	12.02	12.23	12.44	12.65
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	293.740	293.740	293.740	293.740	293.740	293.740	293.740
		Vy	0.024	0.024	0.024	0.024	0.024	0.024	0.024
		Vz	-3.867	-3.867	-3.867	-3.867	-3.867	-3.867	-3.867
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	37.21	37.89	38.57	39.25	39.93	40.62	41.30
		Mz	0.01	0.01	0.00	0.00	0.00	-0.01	-0.01
	TB-450 - A1	N	13.964	13.964	13.964	13.964	13.964	13.964	13.964
		Vy	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
		Vz	-0.173	-0.173	-0.173	-0.173	-0.173	-0.173	-0.173
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		My	0.40	0.43	0.46	0.49	0.52	0.55	0.58
		Mz	0.05	0.06	0.06	0.06	0.07	0.07	0.07
	TB-450 - A2	N	34.581	34.581	34.581	34.581	34.581	34.581	34.581
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-0.413	-0.413	-0.413	-0.413	-0.413	-0.413	-0.413
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.94	1.01	1.09	1.16	1.23	1.30	1.38
		Mz	-0.07	-0.07	-0.07	-0.07	-0.07	-0.06	-0.06
	TB-450 - B1	N	46.544	46.544	46.544	46.544	46.544	46.544	46.544
		Vy	0.163	0.163	0.163	0.163	0.163	0.163	0.163
		Vz	-0.650	-0.650	-0.650	-0.650	-0.650	-0.650	-0.650
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.39	1.50	1.61	1.73	1.84	1.96	2.07
		Mz	0.64	0.62	0.59	0.56	0.53	0.50	0.47
	TB-450 - B2	N	106.396	106.396	106.396	106.396	106.396	106.396	106.396
		Vy	-0.137	-0.137	-0.137	-0.137	-0.137	-0.137	-0.137
		Vz	-1.484	-1.484	-1.484	-1.484	-1.484	-1.484	-1.484
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.23	3.49	3.76	4.02	4.28	4.54	4.80
		Mz	-0.64	-0.61	-0.59	-0.56	-0.54	-0.52	-0.49
	TB-450 - C1	N	74.791	74.791	74.791	74.791	74.791	74.791	74.791
		Vy	0.191	0.191	0.191	0.191	0.191	0.191	0.191
		Vz	-4.645	-4.645	-4.645	-4.645	-4.645	-4.645	-4.645
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.54	9.36	10.18	11.00	11.81	12.63	13.45
		Mz	0.79	0.75	0.72	0.68	0.65	0.62	0.58
	TB-450 - C2	N	171.471	171.471	171.471	171.471	171.471	171.471	171.471
		Vy	-0.142	-0.142	-0.142	-0.142	-0.142	-0.142	-0.142
		Vz	-10.934	-10.934	-10.934	-10.934	-10.934	-10.934	-10.934
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	20.17	22.10	24.02	25.95	27.88	29.80	31.73
		Mz	-0.77	-0.75	-0.72	-0.70	-0.67	-0.65	-0.62
	TB-450 - D1	N	76.488	76.488	76.488	76.488	76.488	76.488	76.488
		Vy	0.085	0.085	0.085	0.085	0.085	0.085	0.085
		Vz	2.255	2.255	2.255	2.255	2.255	2.255	2.255
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	17.64	17.24	16.85	16.45	16.05	15.65	15.26
		Mz	0.41	0.39	0.38	0.36	0.35	0.33	0.32
	TB-450 - D2	N	176.221	176.221	176.221	176.221	176.221	176.221	176.221
		Vy	-0.084	-0.084	-0.084	-0.084	-0.084	-0.084	-0.084
		Vz	5.420	5.420	5.420	5.420	5.420	5.420	5.420
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	41.74	40.79	39.83	38.88	37.92	36.97	36.01
		Mz	-0.40	-0.39	-0.37	-0.36	-0.34	-0.33	-0.31
	TB-450 - E1	N	26.610	26.610	26.610	26.610	26.610	26.610	26.610
		Vy	0.076	0.076	0.076	0.076	0.076	0.076	0.076
		Vz	0.060	0.060	0.060	0.060	0.060	0.060	0.060
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.87	1.86	1.85	1.83	1.82	1.81	1.80

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Mz	0.37	0.36	0.34	0.33	0.32	0.30	0.29
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N204/N22	Peso próprio	N	260.792	260.821	260.850
		Vy	-0.057	-0.057	-0.057
		Vz	-33.376	-33.084	-32.793
		Mt	-0.02	-0.02	-0.02
		My	24.08	28.23	32.35
		Mz	-0.27	-0.26	-0.26
	LAJE	N	528.531	528.531	528.531
		Vy	0.031	0.031	0.031
		Vz	-183.604	-183.604	-183.604
		Mt	0.00	0.00	0.00
		My	44.61	67.57	90.52
		Mz	-0.02	-0.03	-0.03
	PAVIMENTAÇÃO	N	288.473	288.473	288.473
		Vy	0.017	0.017	0.017
		Vz	-100.189	-100.189	-100.189
		Mt	0.00	0.00	0.00
		My	24.35	36.87	49.39
		Mz	-0.01	-0.02	-0.02
	RECAPEAMENTO	N	131.124	131.124	131.124
		Vy	0.008	0.008	0.008
		Vz	-45.540	-45.540	-45.540
		Mt	0.00	0.00	0.00
		My	11.07	16.76	22.45
		Mz	-0.01	-0.01	-0.01
	GUARDA-RODAS	N	70.931	70.931	70.931
		Vy	0.002	0.002	0.002
		Vz	-24.716	-24.716	-24.716
		Mt	0.00	0.00	0.00
		My	6.00	9.09	12.18
		Mz	0.00	0.00	0.00
	Vento 0	N	-41.675	-41.675	-41.675
		Vy	-8.052	-8.052	-8.052
		Vz	7.251	7.251	7.251
		Mt	-0.22	-0.22	-0.22
		My	-1.41	-2.32	-3.23
		Mz	-2.25	-1.25	-0.24
	Vento 180	N	39.227	39.227	39.227
		Vy	3.003	2.815	2.628

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-9.022	-9.022	-9.022
		Mt	0.48	0.48	0.48
		My	0.81	1.94	3.07
		Mz	5.12	4.76	4.42
	Multidão - Passeio	N	91.698	91.698	91.698
		Vy	0.000	0.000	0.000
		Vz	-32.072	-32.072	-32.072
		Mt	0.00	0.00	0.00
		My	7.79	11.80	15.81
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	302.223	302.223	302.223
		Vy	0.025	0.025	0.025
		Vz	-104.676	-104.676	-104.676
		Mt	0.00	0.00	0.00
		My	25.44	38.53	51.61
		Mz	-0.01	-0.02	-0.02
	TB-450 - A1	N	15.063	15.063	15.063
		Vy	-0.020	-0.020	-0.020
		Vz	-11.392	-11.392	-11.392
		Mt	0.01	0.01	0.01
		My	-1.77	-0.34	1.08
		Mz	0.07	0.08	0.08
	TB-450 - A2	N	37.167	37.167	37.167
		Vy	-0.003	-0.003	-0.003
		Vz	-26.798	-26.798	-26.798
		Mt	-0.01	-0.01	-0.01
		My	-4.16	-0.81	2.54
		Mz	-0.06	-0.06	-0.06
	TB-450 - B1	N	49.736	49.736	49.736
		Vy	0.157	0.157	0.157
		Vz	-33.240	-33.240	-33.240
		Mt	0.04	0.04	0.04
		My	-4.75	-0.59	3.56
		Mz	0.47	0.46	0.44
	TB-450 - B2	N	113.911	113.911	113.911
		Vy	-0.131	-0.131	-0.131
		Vz	-78.208	-78.208	-78.208
		Mt	-0.05	-0.05	-0.05
		My	-11.26	-1.48	8.29
		Mz	-0.50	-0.48	-0.46
	TB-450 - C1	N	78.999	78.999	78.999
		Vy	0.184	0.184	0.184
		Vz	-51.877	-51.877	-51.877
		Mt	0.05	0.05	0.05
		My	5.09	11.58	18.06
		Mz	0.59	0.56	0.54
	TB-450 - C2	N	181.393	181.393	181.393
		Vy	-0.134	-0.134	-0.134
		Vz	-122.345	-122.345	-122.345

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mt	-0.06	-0.06	-0.06
		My	12.03	27.32	42.61
		Mz	-0.63	-0.61	-0.59
	TB-450 - D1	N	75.910	75.910	75.910
		Vy	0.081	0.081	0.081
		Vz	1.977	1.977	1.977
		Mt	0.03	0.03	0.03
		My	17.56	17.31	17.06
		Mz	0.32	0.31	0.30
	TB-450 - D2	N	174.822	174.822	174.822
		Vy	-0.080	-0.080	-0.080
		Vz	5.088	5.088	5.088
		Mt	-0.03	-0.03	-0.03
		My	41.52	40.89	40.25
		Mz	-0.31	-0.30	-0.30
	TB-450 - E1	N	25.520	25.520	25.520
		Vy	0.073	0.073	0.073
		Vz	10.248	10.248	10.248
		Mt	0.02	0.02	0.02
		My	4.26	2.98	1.70
		Mz	0.29	0.28	0.27
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N205/N22	Peso próprio	N	262.495	262.509	262.522
		Vy	-0.060	-0.060	-0.060
		Vz	-18.046	-17.754	-17.461
		Mt	0.02	0.02	0.02
		My	27.48	29.72	31.92
		Mz	0.24	0.25	0.26
	LAJE	N	544.349	544.349	544.349
		Vy	-0.012	-0.012	-0.012
		Vz	-5.966	-5.966	-5.966
		Mt	0.00	0.00	0.00
		My	84.27	85.01	85.76
		Mz	0.03	0.03	0.03
	PAVIMENTAÇÃO	N	297.103	297.103	297.103
		Vy	-0.007	-0.007	-0.007
		Vz	-3.255	-3.255	-3.255
		Mt	0.00	0.00	0.00
		My	45.98	46.39	46.80
		Mz	0.02	0.02	0.02

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
	RECAPEAMENTO	N	135.047	135.047	135.047
		Vy	-0.003	-0.003	-0.003
		Vz	-1.480	-1.480	-1.480
		Mt	0.00	0.00	0.00
		My	20.90	21.09	21.27
		Mz	0.01	0.01	0.01
	GUARDA-RODAS	N	73.063	73.063	73.063
		Vy	-0.001	-0.001	-0.001
		Vz	-0.804	-0.804	-0.804
		Mt	0.00	0.00	0.00
		My	11.34	11.44	11.54
		Mz	0.00	0.00	0.00
	Vento 0	N	-42.337	-42.337	-42.337
		Vy	-2.190	-2.190	-2.190
		Vz	-1.151	-1.151	-1.151
		Mt	-0.16	-0.16	-0.16
		My	-3.33	-3.19	-3.04
		Mz	-0.01	0.27	0.54
	Vento 180	N	40.171	40.171	40.171
		Vy	8.490	8.677	8.865
		Vz	3.256	3.256	3.256
		Mt	-0.17	-0.17	-0.17
		My	3.62	3.21	2.80
		Mz	-2.47	-3.54	-4.64
	Multidão - Passeio	N	94.470	94.470	94.470
		Vy	-0.001	-0.001	-0.001
		Vz	-1.044	-1.044	-1.044
		Mt	0.00	0.00	0.00
		My	14.71	14.84	14.97
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	311.229	311.229	311.229
		Vy	-0.008	-0.008	-0.008
		Vz	-3.398	-3.398	-3.398
		Mt	0.00	0.00	0.00
		My	48.05	48.48	48.90
		Mz	0.02	0.02	0.02
	TB-450 - A1	N	16.391	16.391	16.391
		Vy	-0.005	-0.005	-0.005
		Vz	8.883	8.883	8.883
		Mt	0.00	0.00	0.00
		My	2.86	1.75	0.64
		Mz	-0.08	-0.08	-0.08
	TB-450 - A2	N	40.490	40.490	40.490
		Vy	0.012	0.012	0.012
		Vz	20.933	20.933	20.933
		Mt	0.00	0.00	0.00
		My	6.73	4.12	1.50
		Mz	0.07	0.06	0.06
	TB-450 - B1	N	54.245	54.245	54.245

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	0.143	0.143	0.143
		Vz	25.935	25.935	25.935
		Mt	-0.02	-0.02	-0.02
		My	8.76	5.52	2.27
		Mz	-0.41	-0.43	-0.44
	TB-450 - B2	N	124.242	124.242	124.242
		Vy	-0.152	-0.152	-0.152
		Vz	61.156	61.156	61.156
		Mt	0.02	0.02	0.02
		My	20.55	12.90	5.26
		Mz	0.43	0.45	0.47
	TB-450 - C1	N	84.970	84.970	84.970
		Vy	0.150	0.150	0.150
		Vz	14.874	14.874	14.874
		Mt	-0.03	-0.03	-0.03
		My	20.13	18.27	16.41
		Mz	-0.51	-0.53	-0.55
	TB-450 - C2	N	194.861	194.861	194.861
		Vy	-0.177	-0.177	-0.177
		Vz	34.961	34.961	34.961
		Mt	0.03	0.03	0.03
		My	47.45	43.08	38.71
		Mz	0.56	0.58	0.60
	TB-450 - D1	N	72.893	72.893	72.893
		Vy	0.088	0.088	0.088
		Vz	-38.178	-38.178	-38.178
		Mt	-0.02	-0.02	-0.02
		My	8.19	12.96	17.74
		Mz	-0.28	-0.29	-0.30
	TB-450 - D2	N	168.696	168.696	168.696
		Vy	-0.087	-0.087	-0.087
		Vz	-90.529	-90.529	-90.529
		Mt	0.01	0.01	0.01
		My	19.22	30.54	41.85
		Mz	0.28	0.29	0.30
	TB-450 - E1	N	23.980	23.980	23.980
		Vy	0.073	0.073	0.073
		Vz	-14.021	-14.021	-14.021
		Mt	-0.02	-0.02	-0.02
		My	-1.28	0.47	2.22
		Mz	-0.26	-0.27	-0.28
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N19/N181	Peso próprio	N	244.703	244.716	244.730
		Vy	-0.067	-0.067	-0.067
		Vz	-33.215	-32.922	-32.629
		Mt	0.00	0.00	0.00
		My	29.10	33.23	37.33
		Mz	-0.06	-0.05	-0.04
	LAJE	N	540.887	540.887	540.887
		Vy	0.007	0.007	0.007
		Vz	-14.284	-14.284	-14.284
		Mt	0.00	0.00	0.00
		My	78.82	80.60	82.39
		Mz	0.02	0.02	0.02
	PAVIMENTAÇÃO	N	295.214	295.214	295.214
		Vy	0.004	0.004	0.004
		Vz	-7.794	-7.794	-7.794
		Mt	0.00	0.00	0.00
		My	43.01	43.98	44.96
		Mz	0.01	0.01	0.01
	RECAPEAMENTO	N	134.188	134.188	134.188
		Vy	0.002	0.002	0.002
		Vz	-3.543	-3.543	-3.543
		Mt	0.00	0.00	0.00
		My	19.55	19.99	20.44
		Mz	0.01	0.01	0.01
	GUARDA-RODAS	N	72.597	72.597	72.597
		Vy	0.000	0.000	0.000
		Vz	-1.923	-1.923	-1.923
		Mt	0.00	0.00	0.00
		My	10.61	10.85	11.09
		Mz	0.00	0.00	0.00
	Vento 0	N	-42.262	-42.262	-42.262
		Vy	1.517	1.517	1.517
		Vz	1.280	1.280	1.280
		Mt	0.33	0.33	0.33
		My	-2.23	-2.39	-2.55
		Mz	-1.00	-1.19	-1.38
	Vento 180	N	41.824	41.824	41.824
		Vy	-6.782	-6.595	-6.407
		Vz	1.164	1.164	1.164
		Mt	-0.04	-0.04	-0.04
		My	2.21	2.07	1.92
		Mz	0.67	1.50	2.32
	Multidão - Passeio	N	93.865	93.865	93.865
		Vy	-0.001	-0.001	-0.001
		Vz	-2.494	-2.494	-2.494
		Mt	0.00	0.00	0.00
		My	13.76	14.07	14.39
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	309.255	309.255	309.255

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	0.007	0.007	0.007
		Vz	-8.144	-8.144	-8.144
		Mt	0.00	0.00	0.00
		My	44.94	45.96	46.98
		Mz	0.02	0.02	0.02
	TB-450 - A1	N	24.877	24.877	24.877
		Vy	-0.012	-0.012	-0.012
		Vz	13.084	13.084	13.084
		Mt	0.01	0.01	0.01
		My	1.57	-0.07	-1.70
		Mz	-0.12	-0.12	-0.12
	TB-450 - A2	N	60.497	60.497	60.497
		Vy	0.012	0.012	0.012
		Vz	30.862	30.862	30.862
		Mt	-0.01	-0.01	-0.01
		My	3.72	-0.14	-4.00
		Mz	0.13	0.13	0.12
	TB-450 - B1	N	76.129	76.129	76.129
		Vy	0.132	0.132	0.132
		Vz	35.547	35.547	35.547
		Mt	0.00	0.00	0.00
		My	15.93	11.49	7.05
		Mz	0.25	0.23	0.22
	TB-450 - B2	N	175.856	175.856	175.856
		Vy	-0.145	-0.145	-0.145
		Vz	83.891	83.891	83.891
		Mt	0.00	0.00	0.00
		My	37.59	27.11	16.62
		Mz	-0.28	-0.26	-0.24
	TB-450 - C1	N	83.004	83.004	83.004
		Vy	0.165	0.165	0.165
		Vz	-17.853	-17.853	-17.853
		Mt	0.00	0.00	0.00
		My	15.75	17.98	20.21
		Mz	0.24	0.22	0.20
	TB-450 - C2	N	190.007	190.007	190.007
		Vy	-0.134	-0.134	-0.134
		Vz	-42.542	-42.542	-42.542
		Mt	0.00	0.00	0.00
		My	37.13	42.45	47.76
		Mz	-0.18	-0.16	-0.14
	TB-450 - D1	N	51.375	51.375	51.375
		Vy	0.087	0.087	0.087
		Vz	-27.598	-27.598	-27.598
		Mt	0.00	0.00	0.00
		My	2.22	5.67	9.12
		Mz	0.14	0.13	0.11
	TB-450 - D2	N	117.631	117.631	117.631
		Vy	-0.073	-0.073	-0.073

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-65.483	-65.483	-65.483
		Mt	0.00	0.00	0.00
		My	5.18	13.36	21.55
		Mz	-0.10	-0.09	-0.08
	TB-450 - E1	N	15.692	15.692	15.692
		Vy	0.058	0.058	0.058
		Vz	-9.459	-9.459	-9.459
		Mt	0.00	0.00	0.00
		My	0.62	1.81	2.99
		Mz	0.06	0.05	0.04
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações								
Barra	Hipótese	Esforço	Posições na barra					
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
N181/N20	Peso próprio	N	253.320	253.339	253.358	253.377	253.396	253.415	253.434
		Vy	-0.066	-0.066	-0.066	-0.066	-0.066	-0.066	-0.066
		Vz	2.679	3.089	3.500	3.910	4.320	4.731	5.141
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	26.10	25.60	25.02	24.37	23.65	22.86	21.99
		Mz	-0.04	-0.03	-0.02	-0.01	0.00	0.01	0.02
	LAJE	N	549.418	549.418	549.418	549.418	549.418	549.418	549.418
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	9.119	9.119	9.119	9.119	9.119	9.119	9.119
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	64.89	63.30	61.70	60.10	58.50	56.90	55.31
		Mz	0.02	0.02	0.02	0.02	0.02	0.01	0.01
	PAVIMENTAÇÃO	N	299.870	299.870	299.870	299.870	299.870	299.870	299.870
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	4.976	4.976	4.976	4.976	4.976	4.976	4.976
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	35.41	34.54	33.67	32.80	31.92	31.05	30.18
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	RECAPEAMENTO	N	136.304	136.304	136.304	136.304	136.304	136.304	136.304
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	2.262	2.262	2.262	2.262	2.262	2.262	2.262
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	16.10	15.70	15.30	14.91	14.51	14.11	13.72
		Mz	0.01	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	73.746	73.746	73.746	73.746	73.746	73.746	73.746
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.228	1.228	1.228	1.228	1.228	1.228	1.228
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.73	8.52	8.30	8.09	7.87	7.66	7.44

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-42.680	-42.680	-42.680	-42.680	-42.680	-42.680	-42.680
		Vy	1.456	1.456	1.456	1.456	1.456	1.456	1.456
		Vz	-0.341	-0.341	-0.341	-0.341	-0.341	-0.341	-0.341
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	-1.99	-1.93	-1.88	-1.82	-1.76	-1.70	-1.64
		Mz	-1.30	-1.56	-1.81	-2.07	-2.32	-2.58	-2.83
	Vento 180	N	41.667	41.667	41.667	41.667	41.667	41.667	41.667
		Vy	-3.677	-3.414	-3.151	-2.888	-2.625	-2.362	-2.100
		Vz	0.359	0.359	0.359	0.359	0.359	0.359	0.359
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	1.97	1.91	1.85	1.78	1.72	1.66	1.59
		Mz	2.16	2.78	3.36	3.89	4.37	4.81	5.20
	Multidão - Passeio	N	95.355	95.355	95.355	95.355	95.355	95.355	95.355
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	1.593	1.593	1.593	1.593	1.593	1.593	1.593
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.33	11.05	10.77	10.49	10.21	9.93	9.65
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	314.119	314.119	314.119	314.119	314.119	314.119	314.119
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	5.198	5.198	5.198	5.198	5.198	5.198	5.198
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	37.01	36.09	35.18	34.27	33.36	32.45	31.54
		Mz	0.02	0.02	0.01	0.01	0.01	0.01	0.01
	TB-450 - A1	N	21.980	21.980	21.980	21.980	21.980	21.980	21.980
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	0.581	0.581	0.581	0.581	0.581	0.581	0.581
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.18	1.08	0.98	0.87	0.77	0.67	0.57
		Mz	-0.12	-0.12	-0.12	-0.11	-0.11	-0.11	-0.11
	TB-450 - A2	N	53.662	53.662	53.662	53.662	53.662	53.662	53.662
		Vy	0.010	0.010	0.010	0.010	0.010	0.010	0.010
		Vz	1.372	1.372	1.372	1.372	1.372	1.372	1.372
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.80	2.56	2.32	2.08	1.84	1.60	1.36
		Mz	0.12	0.12	0.12	0.12	0.12	0.11	0.11
	TB-450 - B1	N	69.419	69.419	69.419	69.419	69.419	69.419	69.419
		Vy	0.132	0.132	0.132	0.132	0.132	0.132	0.132
		Vz	5.016	5.016	5.016	5.016	5.016	5.016	5.016
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	12.70	11.82	10.95	10.07	9.19	8.31	7.43
		Mz	0.22	0.19	0.17	0.15	0.12	0.10	0.08
	TB-450 - B2	N	160.025	160.025	160.025	160.025	160.025	160.025	160.025
		Vy	-0.144	-0.144	-0.144	-0.144	-0.144	-0.144	-0.144
		Vz	11.851	11.851	11.851	11.851	11.851	11.851	11.851
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	29.97	27.89	25.81	23.74	21.66	19.58	17.51
		Mz	-0.24	-0.22	-0.19	-0.17	-0.14	-0.12	-0.09

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
	TB-450 - C1	N	87.316	87.316	87.316	87.316	87.316	87.316	87.316
		Vy	0.164	0.164	0.164	0.164	0.164	0.164	0.164
		Vz	-2.121	-2.121	-2.121	-2.121	-2.121	-2.121	-2.121
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.89	14.26	14.63	15.01	15.38	15.75	16.12
		Mz	0.20	0.17	0.14	0.11	0.08	0.06	0.03
	TB-450 - C2	N	200.273	200.273	200.273	200.273	200.273	200.273	200.273
		Vy	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135
		Vz	-5.048	-5.048	-5.048	-5.048	-5.048	-5.048	-5.048
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	32.75	33.64	34.52	35.41	36.29	37.18	38.06
		Mz	-0.15	-0.12	-0.10	-0.08	-0.05	-0.03	0.00
	TB-450 - D1	N	58.151	58.151	58.151	58.151	58.151	58.151	58.151
		Vy	0.086	0.086	0.086	0.086	0.086	0.086	0.086
		Vz	0.414	0.414	0.414	0.414	0.414	0.414	0.414
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.59	1.52	1.44	1.37	1.30	1.23	1.15
		Mz	0.11	0.10	0.08	0.07	0.05	0.04	0.02
	TB-450 - D2	N	133.705	133.705	133.705	133.705	133.705	133.705	133.705
		Vy	-0.073	-0.073	-0.073	-0.073	-0.073	-0.073	-0.073
		Vz	0.968	0.968	0.968	0.968	0.968	0.968	0.968
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.69	3.52	3.35	3.18	3.01	2.84	2.67
		Mz	-0.08	-0.07	-0.06	-0.04	-0.03	-0.02	-0.01
	TB-450 - E1	N	18.056	18.056	18.056	18.056	18.056	18.056	18.056
		Vy	0.058	0.058	0.058	0.058	0.058	0.058	0.058
		Vz	0.295	0.295	0.295	0.295	0.295	0.295	0.295
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.36	0.31	0.26	0.20	0.15	0.10	0.05
		Mz	0.04	0.03	0.02	0.01	0.00	-0.01	-0.02
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
N20/N182	Peso próprio	N	253.434	253.453	253.472	253.490	253.509	253.528	253.547
		Vy	-0.066	-0.066	-0.066	-0.066	-0.066	-0.066	-0.066
		Vz	5.141	5.552	5.962	6.373	6.783	7.194	7.604
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	21.99	21.05	20.05	18.96	17.81	16.59	15.29
		Mz	0.02	0.04	0.05	0.06	0.07	0.08	0.09
	LAJE	N	549.418	549.418	549.418	549.418	549.418	549.418	549.418
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	9.119	9.119	9.119	9.119	9.119	9.119	9.119

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	55.31	53.71	52.11	50.51	48.91	47.32	45.72
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	PAVIMENTAÇÃO	N	299.870	299.870	299.870	299.870	299.870	299.870	299.870
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	4.976	4.976	4.976	4.976	4.976	4.976	4.976
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	30.18	29.31	28.44	27.56	26.69	25.82	24.95
		Mz	0.01	0.01	0.01	0.01	0.00	0.00	0.00
	RECAPEAMENTO	N	136.304	136.304	136.304	136.304	136.304	136.304	136.304
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	2.262	2.262	2.262	2.262	2.262	2.262	2.262
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.72	13.32	12.93	12.53	12.13	11.74	11.34
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	73.746	73.746	73.746	73.746	73.746	73.746	73.746
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.228	1.228	1.228	1.228	1.228	1.228	1.228
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.44	7.23	7.01	6.80	6.58	6.37	6.15
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-42.680	-42.680	-42.680	-42.680	-42.680	-42.680	-42.680
		Vy	1.456	1.456	1.456	1.456	1.456	1.456	1.456
		Vz	-0.341	-0.341	-0.341	-0.341	-0.341	-0.341	-0.341
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	-1.64	-1.58	-1.52	-1.46	-1.40	-1.34	-1.28
		Mz	-2.83	-3.09	-3.34	-3.60	-3.85	-4.11	-4.36
	Vento 180	N	41.667	41.667	41.667	41.667	41.667	41.667	41.667
		Vy	-2.100	-1.837	-1.574	-1.311	-1.048	-0.785	-0.522
		Vz	0.359	0.359	0.359	0.359	0.359	0.359	0.359
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	1.59	1.53	1.47	1.41	1.34	1.28	1.22
		Mz	5.20	5.54	5.84	6.09	6.30	6.46	6.57
	Multidão - Passeio	N	95.355	95.355	95.355	95.355	95.355	95.355	95.355
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	1.593	1.593	1.593	1.593	1.593	1.593	1.593
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.65	9.38	9.10	8.82	8.54	8.26	7.98
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	314.119	314.119	314.119	314.119	314.119	314.119	314.119
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	5.198	5.198	5.198	5.198	5.198	5.198	5.198
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	31.54	30.63	29.72	28.81	27.90	26.98	26.07
		Mz	0.01	0.01	0.01	0.01	0.00	0.00	0.00
	TB-450 - A1	N	21.980	21.980	21.980	21.980	21.980	21.980	21.980
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	0.581	0.581	0.581	0.581	0.581	0.581	0.581
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		My	0.57	0.47	0.36	0.26	0.16	0.06	-0.04
		Mz	-0.11	-0.11	-0.10	-0.10	-0.10	-0.10	-0.10
	TB-450 - A2	N	53.662	53.662	53.662	53.662	53.662	53.662	53.662
		Vy	0.010	0.010	0.010	0.010	0.010	0.010	0.010
		Vz	1.372	1.372	1.372	1.372	1.372	1.372	1.372
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.36	1.12	0.88	0.64	0.40	0.16	-0.09
		Mz	0.11	0.11	0.11	0.11	0.10	0.10	0.10
	TB-450 - B1	N	69.419	69.419	69.419	69.419	69.419	69.419	69.419
		Vy	0.132	0.132	0.132	0.132	0.132	0.132	0.132
		Vz	5.016	5.016	5.016	5.016	5.016	5.016	5.016
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.43	6.55	5.67	4.79	3.91	3.03	2.16
		Mz	0.08	0.05	0.03	0.01	-0.01	-0.04	-0.06
	TB-450 - B2	N	160.025	160.025	160.025	160.025	160.025	160.025	160.025
		Vy	-0.144	-0.144	-0.144	-0.144	-0.144	-0.144	-0.144
		Vz	11.851	11.851	11.851	11.851	11.851	11.851	11.851
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	17.51	15.43	13.35	11.28	9.20	7.12	5.05
		Mz	-0.09	-0.07	-0.04	-0.01	0.01	0.04	0.06
	TB-450 - C1	N	87.316	87.316	87.316	87.316	87.316	87.316	87.316
		Vy	0.164	0.164	0.164	0.164	0.164	0.164	0.164
		Vz	-2.121	-2.121	-2.121	-2.121	-2.121	-2.121	-2.121
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	16.12	16.49	16.86	17.24	17.61	17.98	18.35
		Mz	0.03	0.00	-0.03	-0.06	-0.09	-0.12	-0.15
	TB-450 - C2	N	200.273	200.273	200.273	200.273	200.273	200.273	200.273
		Vy	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135
		Vz	-5.048	-5.048	-5.048	-5.048	-5.048	-5.048	-5.048
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	38.06	38.95	39.83	40.71	41.60	42.48	43.37
		Mz	0.00	0.02	0.04	0.07	0.09	0.11	0.14
	TB-450 - D1	N	58.151	58.151	58.151	58.151	58.151	58.151	58.151
		Vy	0.086	0.086	0.086	0.086	0.086	0.086	0.086
		Vz	0.414	0.414	0.414	0.414	0.414	0.414	0.414
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.15	1.08	1.01	0.94	0.86	0.79	0.72
		Mz	0.02	0.01	-0.01	-0.02	-0.04	-0.05	-0.07
	TB-450 - D2	N	133.705	133.705	133.705	133.705	133.705	133.705	133.705
		Vy	-0.073	-0.073	-0.073	-0.073	-0.073	-0.073	-0.073
		Vz	0.968	0.968	0.968	0.968	0.968	0.968	0.968
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.67	2.50	2.33	2.16	1.99	1.82	1.65
		Mz	-0.01	0.01	0.02	0.03	0.05	0.06	0.07
	TB-450 - E1	N	18.056	18.056	18.056	18.056	18.056	18.056	18.056
		Vy	0.058	0.058	0.058	0.058	0.058	0.058	0.058
		Vz	0.295	0.295	0.295	0.295	0.295	0.295	0.295
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.05	0.00	-0.05	-0.11	-0.16	-0.21	-0.26

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Esforços em barras, por hipóteses/ações								
Barra	Hipótese	Esforço	Posições na barra					
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		Mz	-0.02	-0.03	-0.04	-0.05	-0.06	-0.07	-0.08
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N182/N98	Peso próprio	N	258.635	258.648	258.662
		Vy	-0.065	-0.065	-0.065
		Vz	-26.943	-26.650	-26.357
		Mt	0.00	0.00	0.00
		My	8.50	11.85	15.16
		Mz	0.09	0.10	0.11
	LAJE	N	556.388	556.388	556.388
		Vy	0.007	0.007	0.007
		Vz	-57.265	-57.265	-57.265
		Mt	0.00	0.00	0.00
		My	40.54	47.70	54.86
		Mz	0.01	0.00	0.00
	PAVIMENTAÇÃO	N	303.673	303.673	303.673
		Vy	0.004	0.004	0.004
		Vz	-31.248	-31.248	-31.248
		Mt	0.00	0.00	0.00
		My	22.12	26.03	29.94
		Mz	0.00	0.00	0.00
	RECAPEAMENTO	N	138.033	138.033	138.033
		Vy	0.002	0.002	0.002
		Vz	-14.204	-14.204	-14.204
		Mt	0.00	0.00	0.00
		My	10.06	11.83	13.61
		Mz	0.00	0.00	0.00
	GUARDA-RODAS	N	74.684	74.684	74.684
		Vy	0.000	0.000	0.000
		Vz	-7.709	-7.709	-7.709
		Mt	0.00	0.00	0.00
		My	5.46	6.42	7.38
		Mz	0.00	0.00	0.00
	Vento 0	N	-42.783	-42.783	-42.783
		Vy	1.375	1.375	1.375
		Vz	0.188	0.188	0.188
		Mt	-0.02	-0.02	-0.02
		My	-1.11	-1.13	-1.15
		Mz	-4.36	-4.53	-4.70
	Vento 180	N	41.440	41.440	41.440
		Vy	2.169	2.357	2.544

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	2.060	2.060	2.060
		Mt	0.07	0.07	0.07
		My	1.57	1.32	1.06
		Mz	6.64	6.36	6.05
	Multidão - Passeio	N	96.573	96.573	96.573
		Vy	-0.001	-0.001	-0.001
		Vz	-10.003	-10.003	-10.003
		Mt	0.00	0.00	0.00
		My	7.08	8.33	9.58
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	318.093	318.093	318.093
		Vy	0.007	0.007	0.007
		Vz	-32.648	-32.648	-32.648
		Mt	0.00	0.00	0.00
		My	23.12	27.20	31.28
		Mz	0.00	0.00	0.00
	TB-450 - A1	N	20.426	20.426	20.426
		Vy	-0.010	-0.010	-0.010
		Vz	10.850	10.850	10.850
		Mt	0.00	0.00	0.00
		My	2.51	1.15	-0.20
		Mz	-0.10	-0.10	-0.09
	TB-450 - A2	N	49.998	49.998	49.998
		Vy	0.010	0.010	0.010
		Vz	25.582	25.582	25.582
		Mt	0.00	0.00	0.00
		My	5.93	2.73	-0.47
		Mz	0.10	0.10	0.10
	TB-450 - B1	N	65.555	65.555	65.555
		Vy	0.132	0.132	0.132
		Vz	30.477	30.477	30.477
		Mt	0.01	0.01	0.01
		My	8.64	4.83	1.02
		Mz	-0.06	-0.07	-0.09
	TB-450 - B2	N	150.909	150.909	150.909
		Vy	-0.144	-0.144	-0.144
		Vz	71.902	71.902	71.902
		Mt	-0.01	-0.01	-0.01
		My	20.35	11.37	2.38
		Mz	0.06	0.08	0.09
	TB-450 - C1	N	89.845	89.845	89.845
		Vy	0.165	0.165	0.165
		Vz	-25.764	-25.764	-25.764
		Mt	0.01	0.01	0.01
		My	16.34	19.56	22.78
		Mz	-0.14	-0.16	-0.19
	TB-450 - C2	N	206.292	206.292	206.292
		Vy	-0.135	-0.135	-0.135
		Vz	-61.255	-61.255	-61.255

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mt	-0.01	-0.01	-0.01
		My	38.55	46.21	53.87
		Mz	0.13	0.15	0.17
	TB-450 - D1	N	62.589	62.589	62.589
		Vy	0.087	0.087	0.087
		Vz	-30.583	-30.583	-30.583
		Mt	0.01	0.01	0.01
		My	-6.13	-2.31	1.52
		Mz	-0.07	-0.08	-0.09
	TB-450 - D2	N	144.230	144.230	144.230
		Vy	-0.073	-0.073	-0.073
		Vz	-72.550	-72.550	-72.550
		Mt	-0.01	-0.01	-0.01
		My	-14.59	-5.52	3.54
		Mz	0.07	0.08	0.09
	TB-450 - E1	N	19.660	19.660	19.660
		Vy	0.058	0.058	0.058
		Vz	-10.892	-10.892	-10.892
		Mt	0.00	0.00	0.00
		My	-2.75	-1.39	-0.03
		Mz	-0.08	-0.09	-0.09
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N98/N183	Peso próprio	N	259.218	259.231	259.245
		Vy	-0.056	-0.056	-0.056
		Vz	-14.312	-14.020	-13.727
		Mt	0.00	0.00	0.00
		My	15.00	16.77	18.50
		Mz	0.11	0.12	0.12
	LAJE	N	561.540	561.540	561.540
		Vy	-0.009	-0.009	-0.009
		Vz	54.373	54.373	54.373
		Mt	0.00	0.00	0.00
		My	53.31	46.52	39.72
		Mz	0.00	0.01	0.01
	PAVIMENTAÇÃO	N	306.485	306.485	306.485
		Vy	-0.005	-0.005	-0.005
		Vz	29.670	29.670	29.670
		Mt	0.00	0.00	0.00
		My	29.09	25.38	21.67
		Mz	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
	RECAPEAMENTO	N	139.311	139.311	139.311
		Vy	-0.002	-0.002	-0.002
		Vz	13.486	13.486	13.486
		Mt	0.00	0.00	0.00
		My	13.22	11.54	9.85
		Mz	0.00	0.00	0.00
	GUARDA-RODAS	N	75.378	75.378	75.378
		Vy	-0.001	-0.001	-0.001
		Vz	7.319	7.319	7.319
		Mt	0.00	0.00	0.00
		My	7.17	6.26	5.34
		Mz	0.00	0.00	0.00
	Vento 0	N	-42.783	-42.783	-42.783
		Vy	-1.834	-1.834	-1.834
		Vz	0.188	0.188	0.188
		Mt	-0.02	-0.02	-0.02
		My	-1.15	-1.18	-1.20
		Mz	-4.65	-4.43	-4.20
	Vento 180	N	41.440	41.440	41.440
		Vy	-0.646	-0.459	-0.271
		Vz	2.060	2.060	2.060
		Mt	0.07	0.07	0.07
		My	1.06	0.80	0.54
		Mz	6.10	6.16	6.21
	Multidão - Passeio	N	97.473	97.473	97.473
		Vy	-0.001	-0.001	-0.001
		Vz	9.497	9.497	9.497
		Mt	0.00	0.00	0.00
		My	9.31	8.12	6.93
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	321.031	321.031	321.031
		Vy	-0.006	-0.006	-0.006
		Vz	31.000	31.000	31.000
		Mt	0.00	0.00	0.00
		My	30.40	26.53	22.65
		Mz	0.00	0.00	0.00
	TB-450 - A1	N	20.426	20.426	20.426
		Vy	-0.007	-0.007	-0.007
		Vz	10.850	10.850	10.850
		Mt	0.00	0.00	0.00
		My	-0.20	-1.56	-2.92
		Mz	-0.09	-0.09	-0.09
	TB-450 - A2	N	49.998	49.998	49.998
		Vy	0.014	0.014	0.014
		Vz	25.582	25.582	25.582
		Mt	0.00	0.00	0.00
		My	-0.47	-3.67	-6.86
		Mz	0.10	0.10	0.09
	TB-450 - B1	N	65.555	65.555	65.555

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	0.134	0.134	0.134
		Vz	30.477	30.477	30.477
		Mt	0.01	0.01	0.01
		My	1.02	-2.79	-6.59
		Mz	-0.09	-0.11	-0.12
	TB-450 - B2	N	150.909	150.909	150.909
		Vy	-0.142	-0.142	-0.142
		Vz	71.902	71.902	71.902
		Mt	-0.01	-0.01	-0.01
		My	2.38	-6.61	-15.60
		Mz	0.09	0.11	0.13
	TB-450 - C1	N	92.196	92.196	92.196
		Vy	0.137	0.137	0.137
		Vz	25.192	25.192	25.192
		Mt	0.01	0.01	0.01
		My	22.07	18.92	15.77
		Mz	-0.19	-0.20	-0.22
	TB-450 - C2	N	211.860	211.860	211.860
		Vy	-0.163	-0.163	-0.163
		Vz	59.389	59.389	59.389
		Mt	-0.01	-0.01	-0.01
		My	52.19	44.77	37.35
		Mz	0.17	0.19	0.21
	TB-450 - D1	N	62.589	62.589	62.589
		Vy	0.081	0.081	0.081
		Vz	-30.583	-30.583	-30.583
		Mt	0.01	0.01	0.01
		My	1.52	5.34	9.16
		Mz	-0.09	-0.10	-0.11
	TB-450 - D2	N	144.230	144.230	144.230
		Vy	-0.079	-0.079	-0.079
		Vz	-72.550	-72.550	-72.550
		Mt	-0.01	-0.01	-0.01
		My	3.54	12.61	21.68
		Mz	0.09	0.10	0.11
	TB-450 - E1	N	19.660	19.660	19.660
		Vy	0.069	0.069	0.069
		Vz	-10.892	-10.892	-10.892
		Mt	0.00	0.00	0.00
		My	-0.03	1.33	2.69
		Mz	-0.09	-0.10	-0.11
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
N183/N21	Peso próprio	N	260.683	260.702	260.721	260.740	260.759	260.778	260.797
		Vy	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057
		Vz	-8.246	-7.835	-7.425	-7.014	-6.604	-6.194	-5.783
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	15.19	16.60	17.94	19.20	20.40	21.52	22.57
		Mz	0.12	0.13	0.14	0.15	0.16	0.17	0.18
	LAJE	N	548.959	548.959	548.959	548.959	548.959	548.959	548.959
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	-11.153	-11.153	-11.153	-11.153	-11.153	-11.153	-11.153
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	45.21	47.16	49.12	51.07	53.03	54.98	56.93
		Mz	0.01	0.01	0.01	0.01	0.01	0.02	0.02
	PAVIMENTAÇÃO	N	299.619	299.619	299.619	299.619	299.619	299.619	299.619
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	-6.086	-6.086	-6.086	-6.086	-6.086	-6.086	-6.086
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	24.67	25.74	26.80	27.87	28.94	30.00	31.07
		Mz	0.00	0.00	0.01	0.01	0.01	0.01	0.01
	RECAPEAMENTO	N	136.191	136.191	136.191	136.191	136.191	136.191	136.191
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-2.766	-2.766	-2.766	-2.766	-2.766	-2.766	-2.766
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.21	11.70	12.18	12.67	13.15	13.64	14.12
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	73.684	73.684	73.684	73.684	73.684	73.684	73.684
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-1.501	-1.501	-1.501	-1.501	-1.501	-1.501	-1.501
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.08	6.35	6.61	6.87	7.14	7.40	7.66
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-42.648	-42.648	-42.648	-42.648	-42.648	-42.648	-42.648
		Vy	-2.010	-2.010	-2.010	-2.010	-2.010	-2.010	-2.010
		Vz	0.647	0.647	0.647	0.647	0.647	0.647	0.647
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	-1.36	-1.47	-1.58	-1.70	-1.81	-1.92	-2.04
		Mz	-4.20	-3.85	-3.49	-3.14	-2.79	-2.44	-2.08
	Vento 180	N	40.785	40.785	40.785	40.785	40.785	40.785	40.785
		Vy	2.531	2.794	3.056	3.319	3.582	3.845	4.108
		Vz	-0.607	-0.607	-0.607	-0.607	-0.607	-0.607	-0.607
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.25	1.36	1.47	1.57	1.68	1.79	1.89
		Mz	6.09	5.63	5.11	4.55	3.95	3.30	2.60
	Multidão - Passeio	N	95.275	95.275	95.275	95.275	95.275	95.275	95.275
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-1.948	-1.948	-1.948	-1.948	-1.948	-1.948	-1.948
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.89	8.23	8.57	8.91	9.26	9.60	9.94
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	313.858	313.858	313.858	313.858	313.858	313.858	313.858

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	-6.359	-6.359	-6.359	-6.359	-6.359	-6.359	-6.359
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.78	26.90	28.01	29.13	30.24	31.35	32.47
		Mz	0.00	0.00	0.00	0.01	0.01	0.01	0.01
	TB-450 - A1	N	17.815	17.815	17.815	17.815	17.815	17.815	17.815
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	-0.338	-0.338	-0.338	-0.338	-0.338	-0.338	-0.338
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.21	-0.16	-0.10	-0.04	0.02	0.08	0.14
		Mz	-0.09	-0.09	-0.09	-0.09	-0.09	-0.09	-0.09
	TB-450 - A2	N	43.843	43.843	43.843	43.843	43.843	43.843	43.843
		Vy	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Vz	-0.792	-0.792	-0.792	-0.792	-0.792	-0.792	-0.792
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.49	-0.35	-0.21	-0.08	0.06	0.20	0.34
		Mz	0.09	0.09	0.09	0.09	0.08	0.08	0.08
	TB-450 - B1	N	58.323	58.323	58.323	58.323	58.323	58.323	58.323
		Vy	0.136	0.136	0.136	0.136	0.136	0.136	0.136
		Vz	-0.549	-0.549	-0.549	-0.549	-0.549	-0.549	-0.549
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.84	0.94	1.03	1.13	1.23	1.32	1.42
		Mz	-0.12	-0.15	-0.17	-0.19	-0.22	-0.24	-0.26
	TB-450 - B2	N	133.854	133.854	133.854	133.854	133.854	133.854	133.854
		Vy	-0.145	-0.145	-0.145	-0.145	-0.145	-0.145	-0.145
		Vz	-1.271	-1.271	-1.271	-1.271	-1.271	-1.271	-1.271
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.94	2.16	2.38	2.60	2.83	3.05	3.27
		Mz	0.13	0.15	0.18	0.20	0.23	0.25	0.28
	TB-450 - C1	N	87.593	87.593	87.593	87.593	87.593	87.593	87.593
		Vy	0.141	0.141	0.141	0.141	0.141	0.141	0.141
		Vz	1.830	1.830	1.830	1.830	1.830	1.830	1.830
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	18.20	17.88	17.56	17.24	16.92	16.60	16.28
		Mz	-0.22	-0.24	-0.27	-0.29	-0.31	-0.34	-0.36
	TB-450 - C2	N	201.028	201.028	201.028	201.028	201.028	201.028	201.028
		Vy	-0.167	-0.167	-0.167	-0.167	-0.167	-0.167	-0.167
		Vz	4.361	4.361	4.361	4.361	4.361	4.361	4.361
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	43.02	42.26	41.50	40.73	39.97	39.20	38.44
		Mz	0.21	0.23	0.26	0.29	0.32	0.35	0.38
	TB-450 - D1	N	68.751	68.751	68.751	68.751	68.751	68.751	68.751
		Vy	0.083	0.083	0.083	0.083	0.083	0.083	0.083
		Vz	-5.356	-5.356	-5.356	-5.356	-5.356	-5.356	-5.356
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.99	2.93	3.86	4.80	5.74	6.68	7.62
		Mz	-0.11	-0.12	-0.13	-0.15	-0.16	-0.18	-0.19
	TB-450 - D2	N	158.860	158.860	158.860	158.860	158.860	158.860	158.860
		Vy	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		Vz	-12.649	-12.649	-12.649	-12.649	-12.649	-12.649	-12.649
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.65	6.87	9.09	11.30	13.52	15.74	17.95
		Mz	0.11	0.12	0.13	0.15	0.16	0.18	0.19
	TB-450 - E1	N	22.142	22.142	22.142	22.142	22.142	22.142	22.142
		Vy	0.070	0.070	0.070	0.070	0.070	0.070	0.070
		Vz	-0.710	-0.710	-0.710	-0.710	-0.710	-0.710	-0.710
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.13	-0.01	0.12	0.24	0.37	0.49	0.62
		Mz	-0.11	-0.12	-0.14	-0.15	-0.16	-0.17	-0.18
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
N21/N205	Peso próprio	N	260.797	260.816	260.835	260.854	260.873	260.891	260.910
		Vy	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057
		Vz	-5.783	-5.373	-4.962	-4.552	-4.141	-3.731	-3.320
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	22.57	23.55	24.45	25.28	26.05	26.74	27.35
		Mz	0.18	0.19	0.20	0.21	0.22	0.23	0.24
	LAJE	N	548.959	548.959	548.959	548.959	548.959	548.959	548.959
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	-11.153	-11.153	-11.153	-11.153	-11.153	-11.153	-11.153
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	56.93	58.89	60.84	62.80	64.75	66.71	68.66
		Mz	0.02	0.02	0.02	0.02	0.02	0.03	0.03
	PAVIMENTAÇÃO	N	299.619	299.619	299.619	299.619	299.619	299.619	299.619
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	-6.086	-6.086	-6.086	-6.086	-6.086	-6.086	-6.086
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	31.07	32.13	33.20	34.27	35.33	36.40	37.47
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.02
	RECAPEAMENTO	N	136.191	136.191	136.191	136.191	136.191	136.191	136.191
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-2.766	-2.766	-2.766	-2.766	-2.766	-2.766	-2.766
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.12	14.61	15.09	15.58	16.06	16.55	17.03
		Mz	0.00	0.00	0.01	0.01	0.01	0.01	0.01
	GUARDA-RODAS	N	73.684	73.684	73.684	73.684	73.684	73.684	73.684
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-1.501	-1.501	-1.501	-1.501	-1.501	-1.501	-1.501
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.66	7.93	8.19	8.45	8.71	8.98	9.24

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-42.648	-42.648	-42.648	-42.648	-42.648	-42.648	-42.648
		Vy	-2.010	-2.010	-2.010	-2.010	-2.010	-2.010	-2.010
		Vz	0.647	0.647	0.647	0.647	0.647	0.647	0.647
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	-2.04	-2.15	-2.26	-2.38	-2.49	-2.60	-2.72
		Mz	-2.08	-1.73	-1.38	-1.03	-0.67	-0.32	0.03
	Vento 180	N	40.785	40.785	40.785	40.785	40.785	40.785	40.785
		Vy	4.108	4.371	4.633	4.896	5.159	5.422	5.685
		Vz	-0.607	-0.607	-0.607	-0.607	-0.607	-0.607	-0.607
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.89	2.00	2.11	2.21	2.32	2.43	2.53
		Mz	2.60	1.86	1.07	0.24	-0.65	-1.57	-2.55
	Multidão - Passeio	N	95.275	95.275	95.275	95.275	95.275	95.275	95.275
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-1.948	-1.948	-1.948	-1.948	-1.948	-1.948	-1.948
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.94	10.28	10.62	10.96	11.30	11.65	11.99
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	313.858	313.858	313.858	313.858	313.858	313.858	313.858
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	-6.359	-6.359	-6.359	-6.359	-6.359	-6.359	-6.359
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	32.47	33.58	34.70	35.81	36.93	38.04	39.15
		Mz	0.01	0.01	0.01	0.01	0.01	0.02	0.02
	TB-450 - A1	N	17.815	17.815	17.815	17.815	17.815	17.815	17.815
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	-0.338	-0.338	-0.338	-0.338	-0.338	-0.338	-0.338
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.14	0.20	0.26	0.32	0.38	0.44	0.50
		Mz	-0.09	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08
	TB-450 - A2	N	43.843	43.843	43.843	43.843	43.843	43.843	43.843
		Vy	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		Vz	-0.792	-0.792	-0.792	-0.792	-0.792	-0.792	-0.792
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.34	0.48	0.62	0.76	0.90	1.03	1.17
		Mz	0.08	0.08	0.08	0.07	0.07	0.07	0.07
	TB-450 - B1	N	58.323	58.323	58.323	58.323	58.323	58.323	58.323
		Vy	0.136	0.136	0.136	0.136	0.136	0.136	0.136
		Vz	-0.549	-0.549	-0.549	-0.549	-0.549	-0.549	-0.549
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.42	1.51	1.61	1.71	1.80	1.90	1.99
		Mz	-0.26	-0.29	-0.31	-0.34	-0.36	-0.38	-0.41
	TB-450 - B2	N	133.854	133.854	133.854	133.854	133.854	133.854	133.854
		Vy	-0.145	-0.145	-0.145	-0.145	-0.145	-0.145	-0.145
		Vz	-1.271	-1.271	-1.271	-1.271	-1.271	-1.271	-1.271
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.27	3.49	3.72	3.94	4.16	4.39	4.61
		Mz	0.28	0.30	0.33	0.36	0.38	0.41	0.43

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
	TB-450 - C1	N	87.593	87.593	87.593	87.593	87.593	87.593	87.593
		Vy	0.141	0.141	0.141	0.141	0.141	0.141	0.141
		Vz	1.830	1.830	1.830	1.830	1.830	1.830	1.830
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	16.28	15.96	15.64	15.32	15.00	14.67	14.35
		Mz	-0.36	-0.39	-0.41	-0.44	-0.46	-0.49	-0.51
	TB-450 - C2	N	201.028	201.028	201.028	201.028	201.028	201.028	201.028
		Vy	-0.167	-0.167	-0.167	-0.167	-0.167	-0.167	-0.167
		Vz	4.361	4.361	4.361	4.361	4.361	4.361	4.361
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	38.44	37.68	36.91	36.15	35.38	34.62	33.85
		Mz	0.38	0.41	0.44	0.47	0.50	0.53	0.56
	TB-450 - D1	N	68.751	68.751	68.751	68.751	68.751	68.751	68.751
		Vy	0.083	0.083	0.083	0.083	0.083	0.083	0.083
		Vz	-5.356	-5.356	-5.356	-5.356	-5.356	-5.356	-5.356
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.62	8.56	9.50	10.44	11.37	12.31	13.25
		Mz	-0.19	-0.21	-0.22	-0.24	-0.25	-0.27	-0.28
	TB-450 - D2	N	158.860	158.860	158.860	158.860	158.860	158.860	158.860
		Vy	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082
		Vz	-12.649	-12.649	-12.649	-12.649	-12.649	-12.649	-12.649
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	17.95	20.17	22.39	24.60	26.82	29.04	31.25
		Mz	0.19	0.21	0.22	0.23	0.25	0.26	0.28
	TB-450 - E1	N	22.142	22.142	22.142	22.142	22.142	22.142	22.142
		Vy	0.070	0.070	0.070	0.070	0.070	0.070	0.070
		Vz	-0.710	-0.710	-0.710	-0.710	-0.710	-0.710	-0.710
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.62	0.74	0.86	0.99	1.11	1.24	1.36
		Mz	-0.18	-0.20	-0.21	-0.22	-0.23	-0.25	-0.26
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N23/N162	Peso próprio	N	222.617	222.631	222.644
		Vy	-0.052	-0.052	-0.052
		Vz	-20.442	-20.149	-19.856
		Mt	0.00	0.00	0.00
		My	28.28	30.81	33.31
		Mz	-0.04	-0.03	-0.02
	LAJE	N	541.061	541.061	541.061
		Vy	-0.021	-0.021	-0.021
		Vz	-14.245	-14.245	-14.245

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mt	0.00	0.00	0.00
		My	78.82	80.60	82.38
		Mz	-0.04	-0.04	-0.03
	PAVIMENTAÇÃO	N	295.310	295.310	295.310
		Vy	-0.012	-0.012	-0.012
		Vz	-7.773	-7.773	-7.773
		Mt	0.00	0.00	0.00
		My	43.01	43.98	44.95
		Mz	-0.02	-0.02	-0.02
	RECAPEAMENTO	N	134.232	134.232	134.232
		Vy	-0.005	-0.005	-0.005
		Vz	-3.533	-3.533	-3.533
		Mt	0.00	0.00	0.00
		My	19.55	19.99	20.43
		Mz	-0.01	-0.01	-0.01
	GUARDA-RODAS	N	72.621	72.621	72.621
		Vy	-0.002	-0.002	-0.002
		Vz	-1.917	-1.917	-1.917
		Mt	0.00	0.00	0.00
		My	10.61	10.85	11.09
		Mz	0.00	0.00	0.00
	Vento 0	N	42.248	42.248	42.248
		Vy	7.435	7.247	7.060
		Vz	-1.280	-1.280	-1.280
		Mt	-0.07	-0.07	-0.07
		My	2.23	2.39	2.55
		Mz	2.48	1.56	0.67
	Vento 180	N	-41.831	-41.831	-41.831
		Vy	-0.858	-0.858	-0.858
		Vz	-1.164	-1.164	-1.164
		Mt	-0.43	-0.43	-0.43
		My	-2.21	-2.07	-1.92
		Mz	4.15	4.26	4.36
	Multidão - Passeio	N	93.896	93.896	93.896
		Vy	-0.001	-0.001	-0.001
		Vz	-2.488	-2.488	-2.488
		Mt	0.00	0.00	0.00
		My	13.76	14.07	14.38
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	309.355	309.355	309.355
		Vy	-0.015	-0.015	-0.015
		Vz	-8.122	-8.122	-8.122
		Mt	0.00	0.00	0.00
		My	44.95	45.96	46.98
		Mz	-0.03	-0.03	-0.02
	TB-450 - A1	N	60.504	60.504	60.504
		Vy	-0.013	-0.013	-0.013
		Vz	30.864	30.864	30.864
		Mt	0.01	0.01	0.01

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		My	3.72	-0.14	-4.00
		Mz	-0.13	-0.13	-0.13
	TB-450 - A2	N	24.886	24.886	24.886
		Vy	0.011	0.011	0.011
		Vz	13.086	13.086	13.086
		Mt	-0.01	-0.01	-0.01
		My	1.57	-0.07	-1.70
		Mz	0.12	0.12	0.12
	TB-450 - B1	N	175.878	175.878	175.878
		Vy	0.143	0.143	0.143
		Vz	83.896	83.896	83.896
		Mt	0.00	0.00	0.00
		My	37.59	27.11	16.62
		Mz	0.28	0.26	0.24
	TB-450 - B2	N	76.154	76.154	76.154
		Vy	-0.134	-0.134	-0.134
		Vz	35.552	35.552	35.552
		Mt	0.00	0.00	0.00
		My	15.93	11.49	7.04
		Mz	-0.25	-0.23	-0.22
	TB-450 - C1	N	190.045	190.045	190.045
		Vy	0.131	0.131	0.131
		Vz	-42.533	-42.533	-42.533
		Mt	0.00	0.00	0.00
		My	37.13	42.45	47.76
		Mz	0.17	0.16	0.14
	TB-450 - C2	N	83.045	83.045	83.045
		Vy	-0.167	-0.167	-0.167
		Vz	-17.844	-17.844	-17.844
		Mt	0.00	0.00	0.00
		My	15.75	17.98	20.21
		Mz	-0.24	-0.22	-0.20
	TB-450 - D1	N	117.680	117.680	117.680
		Vy	0.069	0.069	0.069
		Vz	-65.471	-65.471	-65.471
		Mt	0.00	0.00	0.00
		My	5.18	13.36	21.55
		Mz	0.09	0.09	0.08
	TB-450 - D2	N	51.430	51.430	51.430
		Vy	-0.090	-0.090	-0.090
		Vz	-27.585	-27.585	-27.585
		Mt	0.00	0.00	0.00
		My	2.22	5.67	9.12
		Mz	-0.14	-0.13	-0.12
	TB-450 - E1	N	38.093	38.093	38.093
		Vy	0.071	0.071	0.071
		Vz	-22.404	-22.404	-22.404
		Mt	0.00	0.00	0.00
		My	1.45	4.25	7.05

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mz	0.08	0.07	0.06
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações								
Barra	Hipótese	Esforço	Posições na barra					
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
N162/N102	Peso próprio	N	228.048	228.067	228.086	228.105	228.124	228.143	228.162
		Vy	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053
		Vz	2.296	2.706	3.117	3.527	3.938	4.348	4.758
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.63	25.19	24.68	24.10	23.44	22.72	21.92
		Mz	-0.02	-0.01	0.00	0.01	0.01	0.02	0.03
	LAJE	N	549.586	549.586	549.586	549.586	549.586	549.586	549.586
		Vy	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021
		Vz	9.130	9.130	9.130	9.130	9.130	9.130	9.130
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	64.89	63.29	61.69	60.09	58.49	56.89	55.29
		Mz	-0.03	-0.03	-0.03	-0.02	-0.02	-0.02	-0.01
	PAVIMENTAÇÃO	N	299.962	299.962	299.962	299.962	299.962	299.962	299.962
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	4.982	4.982	4.982	4.982	4.982	4.982	4.982
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	35.41	34.54	33.67	32.79	31.92	31.05	30.17
		Mz	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01
	RECAPEAMENTO	N	136.346	136.346	136.346	136.346	136.346	136.346	136.346
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	2.264	2.264	2.264	2.264	2.264	2.264	2.264
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	16.10	15.70	15.30	14.91	14.51	14.11	13.72
		Mz	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
	GUARDA-RODAS	N	73.769	73.769	73.769	73.769	73.769	73.769	73.769
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	1.229	1.229	1.229	1.229	1.229	1.229	1.229
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.73	8.52	8.30	8.09	7.87	7.66	7.44
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	42.666	42.666	42.666	42.666	42.666	42.666	42.666
		Vy	4.287	4.024	3.761	3.498	3.236	2.973	2.710
		Vz	0.341	0.341	0.341	0.341	0.341	0.341	0.341
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	2.00	1.94	1.88	1.82	1.76	1.70	1.64
		Mz	0.81	0.08	-0.60	-1.23	-1.82	-2.37	-2.87
	Vento 180	N	-41.674	-41.674	-41.674	-41.674	-41.674	-41.674	-41.674
		Vy	-0.840	-0.840	-0.840	-0.840	-0.840	-0.840	-0.840

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		Vz	-0.360	-0.360	-0.360	-0.360	-0.360	-0.360	-0.360
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	-1.97	-1.91	-1.84	-1.78	-1.72	-1.66	-1.59
		Mz	4.27	4.42	4.57	4.72	4.86	5.01	5.16
	Multidão - Passeio	N	95.385	95.385	95.385	95.385	95.385	95.385	95.385
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	1.595	1.595	1.595	1.595	1.595	1.595	1.595
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.33	11.05	10.77	10.49	10.21	9.93	9.65
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	314.215	314.215	314.215	314.215	314.215	314.215	314.215
		Vy	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
		Vz	5.205	5.205	5.205	5.205	5.205	5.205	5.205
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	37.01	36.09	35.18	34.27	33.36	32.45	31.53
		Mz	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01
	TB-450 - A1	N	53.669	53.669	53.669	53.669	53.669	53.669	53.669
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	1.372	1.372	1.372	1.372	1.372	1.372	1.372
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.80	2.56	2.32	2.08	1.84	1.60	1.36
		Mz	-0.12	-0.12	-0.12	-0.12	-0.12	-0.11	-0.11
	TB-450 - A2	N	21.988	21.988	21.988	21.988	21.988	21.988	21.988
		Vy	0.010	0.010	0.010	0.010	0.010	0.010	0.010
		Vz	0.582	0.582	0.582	0.582	0.582	0.582	0.582
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.18	1.08	0.98	0.87	0.77	0.67	0.57
		Mz	0.12	0.12	0.12	0.11	0.11	0.11	0.11
	TB-450 - B1	N	160.046	160.046	160.046	160.046	160.046	160.046	160.046
		Vy	0.143	0.143	0.143	0.143	0.143	0.143	0.143
		Vz	11.853	11.853	11.853	11.853	11.853	11.853	11.853
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	29.97	27.89	25.81	23.74	21.66	19.58	17.50
		Mz	0.24	0.22	0.19	0.17	0.14	0.12	0.09
	TB-450 - B2	N	69.443	69.443	69.443	69.443	69.443	69.443	69.443
		Vy	-0.134	-0.134	-0.134	-0.134	-0.134	-0.134	-0.134
		Vz	5.017	5.017	5.017	5.017	5.017	5.017	5.017
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	12.70	11.83	10.95	10.07	9.19	8.31	7.43
		Mz	-0.22	-0.20	-0.17	-0.15	-0.13	-0.10	-0.08
	TB-450 - C1	N	200.309	200.309	200.309	200.309	200.309	200.309	200.309
		Vy	0.132	0.132	0.132	0.132	0.132	0.132	0.132
		Vz	-5.045	-5.045	-5.045	-5.045	-5.045	-5.045	-5.045
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	32.75	33.64	34.52	35.41	36.29	37.17	38.06
		Mz	0.14	0.12	0.10	0.07	0.05	0.03	0.00
	TB-450 - C2	N	87.356	87.356	87.356	87.356	87.356	87.356	87.356
		Vy	-0.167	-0.167	-0.167	-0.167	-0.167	-0.167	-0.167
		Vz	-2.119	-2.119	-2.119	-2.119	-2.119	-2.119	-2.119

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.89	14.26	14.63	15.01	15.38	15.75	16.12
		Mz	-0.20	-0.17	-0.14	-0.11	-0.09	-0.06	-0.03
	TB-450 - D1	N	133.753	133.753	133.753	133.753	133.753	133.753	133.753
		Vy	0.069	0.069	0.069	0.069	0.069	0.069	0.069
		Vz	0.971	0.971	0.971	0.971	0.971	0.971	0.971
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.69	3.52	3.35	3.18	3.01	2.84	2.66
		Mz	0.08	0.07	0.05	0.04	0.03	0.02	0.01
	TB-450 - D2	N	58.204	58.204	58.204	58.204	58.204	58.204	58.204
		Vy	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090
		Vz	0.416	0.416	0.416	0.416	0.416	0.416	0.416
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.59	1.52	1.44	1.37	1.30	1.23	1.15
		Mz	-0.12	-0.10	-0.09	-0.07	-0.06	-0.04	-0.02
	TB-450 - E1	N	43.687	43.687	43.687	43.687	43.687	43.687	43.687
		Vy	0.071	0.071	0.071	0.071	0.071	0.071	0.071
		Vz	0.690	0.690	0.690	0.690	0.690	0.690	0.690
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.83	0.71	0.59	0.47	0.35	0.23	0.11
		Mz	0.06	0.05	0.04	0.03	0.01	0.00	-0.01
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
N102/N163	Peso próprio	N	228.162	228.181	228.200	228.218	228.237	228.256	228.275
		Vy	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053	-0.053
		Vz	4.758	5.169	5.579	5.990	6.400	6.811	7.221
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	21.92	21.05	20.11	19.10	18.01	16.85	15.62
		Mz	0.03	0.04	0.05	0.06	0.07	0.08	0.09
	LAJE	N	549.586	549.586	549.586	549.586	549.586	549.586	549.586
		Vy	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021
		Vz	9.130	9.130	9.130	9.130	9.130	9.130	9.130
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	55.29	53.69	52.09	50.50	48.90	47.30	45.70
		Mz	-0.01	-0.01	0.00	0.00	0.00	0.01	0.01
	PAVIMENTAÇÃO	N	299.962	299.962	299.962	299.962	299.962	299.962	299.962
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	4.982	4.982	4.982	4.982	4.982	4.982	4.982
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	30.17	29.30	28.43	27.55	26.68	25.81	24.94
		Mz	-0.01	0.00	0.00	0.00	0.00	0.00	0.01

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
	RECAPEAMENTO	N	136.346	136.346	136.346	136.346	136.346	136.346	136.346
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	2.264	2.264	2.264	2.264	2.264	2.264	2.264
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.72	13.32	12.92	12.52	12.13	11.73	11.33
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	73.769	73.769	73.769	73.769	73.769	73.769	73.769
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	1.229	1.229	1.229	1.229	1.229	1.229	1.229
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.44	7.23	7.01	6.80	6.58	6.36	6.15
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	42.666	42.666	42.666	42.666	42.666	42.666	42.666
		Vy	2.710	2.447	2.184	1.921	1.658	1.396	1.133
		Vz	0.341	0.341	0.341	0.341	0.341	0.341	0.341
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	1.64	1.58	1.52	1.46	1.40	1.34	1.28
		Mz	-2.87	-3.32	-3.72	-4.08	-4.40	-4.66	-4.89
	Vento 180	N	-41.674	-41.674	-41.674	-41.674	-41.674	-41.674	-41.674
		Vy	-0.840	-0.840	-0.840	-0.840	-0.840	-0.840	-0.840
		Vz	-0.360	-0.360	-0.360	-0.360	-0.360	-0.360	-0.360
		Mt	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		My	-1.59	-1.53	-1.47	-1.40	-1.34	-1.28	-1.21
		Mz	5.16	5.31	5.45	5.60	5.75	5.89	6.04
	Multidão - Passeio	N	95.385	95.385	95.385	95.385	95.385	95.385	95.385
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	1.595	1.595	1.595	1.595	1.595	1.595	1.595
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.65	9.37	9.09	8.81	8.53	8.26	7.98
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	314.215	314.215	314.215	314.215	314.215	314.215	314.215
		Vy	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
		Vz	5.205	5.205	5.205	5.205	5.205	5.205	5.205
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	31.53	30.62	29.71	28.80	27.89	26.97	26.06
		Mz	-0.01	-0.01	0.00	0.00	0.00	0.00	0.01
	TB-450 - A1	N	53.669	53.669	53.669	53.669	53.669	53.669	53.669
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	1.372	1.372	1.372	1.372	1.372	1.372	1.372
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.36	1.12	0.88	0.64	0.39	0.15	-0.09
		Mz	-0.11	-0.11	-0.11	-0.11	-0.10	-0.10	-0.10
	TB-450 - A2	N	21.988	21.988	21.988	21.988	21.988	21.988	21.988
		Vy	0.010	0.010	0.010	0.010	0.010	0.010	0.010
		Vz	0.582	0.582	0.582	0.582	0.582	0.582	0.582
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.57	0.47	0.36	0.26	0.16	0.06	-0.04
		Mz	0.11	0.11	0.10	0.10	0.10	0.10	0.10
	TB-450 - B1	N	160.046	160.046	160.046	160.046	160.046	160.046	160.046

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		Vy	0.143	0.143	0.143	0.143	0.143	0.143	0.143
		Vz	11.853	11.853	11.853	11.853	11.853	11.853	11.853
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	17.50	15.43	13.35	11.27	9.20	7.12	5.04
		Mz	0.09	0.07	0.04	0.02	-0.01	-0.03	-0.06
	TB-450 - B2	N	69.443	69.443	69.443	69.443	69.443	69.443	69.443
		Vy	-0.134	-0.134	-0.134	-0.134	-0.134	-0.134	-0.134
		Vz	5.017	5.017	5.017	5.017	5.017	5.017	5.017
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.43	6.55	5.67	4.79	3.91	3.03	2.15
		Mz	-0.08	-0.05	-0.03	-0.01	0.02	0.04	0.06
	TB-450 - C1	N	200.309	200.309	200.309	200.309	200.309	200.309	200.309
		Vy	0.132	0.132	0.132	0.132	0.132	0.132	0.132
		Vz	-5.045	-5.045	-5.045	-5.045	-5.045	-5.045	-5.045
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	38.06	38.94	39.83	40.71	41.59	42.48	43.36
		Mz	0.00	-0.02	-0.04	-0.07	-0.09	-0.11	-0.13
	TB-450 - C2	N	87.356	87.356	87.356	87.356	87.356	87.356	87.356
		Vy	-0.167	-0.167	-0.167	-0.167	-0.167	-0.167	-0.167
		Vz	-2.119	-2.119	-2.119	-2.119	-2.119	-2.119	-2.119
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	16.12	16.49	16.86	17.23	17.61	17.98	18.35
		Mz	-0.03	0.00	0.03	0.06	0.09	0.12	0.15
	TB-450 - D1	N	133.753	133.753	133.753	133.753	133.753	133.753	133.753
		Vy	0.069	0.069	0.069	0.069	0.069	0.069	0.069
		Vz	0.971	0.971	0.971	0.971	0.971	0.971	0.971
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.66	2.49	2.32	2.15	1.98	1.81	1.64
		Mz	0.01	-0.01	-0.02	-0.03	-0.04	-0.06	-0.07
	TB-450 - D2	N	58.204	58.204	58.204	58.204	58.204	58.204	58.204
		Vy	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090
		Vz	0.416	0.416	0.416	0.416	0.416	0.416	0.416
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.15	1.08	1.01	0.93	0.86	0.79	0.72
		Mz	-0.02	-0.01	0.01	0.02	0.04	0.05	0.07
	TB-450 - E1	N	43.687	43.687	43.687	43.687	43.687	43.687	43.687
		Vy	0.071	0.071	0.071	0.071	0.071	0.071	0.071
		Vz	0.690	0.690	0.690	0.690	0.690	0.690	0.690
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.11	-0.01	-0.13	-0.25	-0.38	-0.50	-0.62
		Mz	-0.01	-0.02	-0.04	-0.05	-0.06	-0.07	-0.09
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N163/N100	Peso próprio	N	231.201	231.214	231.228
		Vy	-0.054	-0.054	-0.054
		Vz	-12.255	-11.962	-11.669
		Mt	0.00	0.00	0.00
		My	12.19	13.70	15.18
		Mz	0.09	0.10	0.10
	LAJE	N	556.555	556.555	556.555
		Vy	-0.021	-0.021	-0.021
		Vz	-57.245	-57.245	-57.245
		Mt	0.00	0.00	0.00
		My	40.52	47.68	54.83
		Mz	0.01	0.01	0.01
	PAVIMENTAÇÃO	N	303.764	303.764	303.764
		Vy	-0.011	-0.011	-0.011
		Vz	-31.237	-31.237	-31.237
		Mt	0.00	0.00	0.00
		My	22.11	26.02	29.92
		Mz	0.01	0.01	0.01
	RECAPEAMENTO	N	138.075	138.075	138.075
		Vy	-0.005	-0.005	-0.005
		Vz	-14.199	-14.199	-14.199
		Mt	0.00	0.00	0.00
		My	10.05	11.83	13.60
		Mz	0.00	0.00	0.00
	GUARDA-RODAS	N	74.707	74.707	74.707
		Vy	-0.002	-0.002	-0.002
		Vz	-7.706	-7.706	-7.706
		Mt	0.00	0.00	0.00
		My	5.45	6.42	7.38
		Mz	0.00	0.00	0.00
	Vento 0	N	42.770	42.770	42.770
		Vy	-1.579	-1.767	-1.954
		Vz	-0.189	-0.189	-0.189
		Mt	-0.04	-0.04	-0.04
		My	1.11	1.13	1.15
		Mz	-4.94	-4.73	-4.50
	Vento 180	N	-41.447	-41.447	-41.447
		Vy	-0.780	-0.780	-0.780
		Vz	-2.059	-2.059	-2.059
		Mt	0.05	0.05	0.05
		My	-1.57	-1.31	-1.06
		Mz	6.04	6.14	6.24
	Multidão - Passeio	N	96.602	96.602	96.602
		Vy	-0.001	-0.001	-0.001
		Vz	-9.999	-9.999	-9.999
		Mt	0.00	0.00	0.00
		My	7.07	8.32	9.57
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	318.188	318.188	318.188

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	-0.015	-0.015	-0.015
		Vz	-32.637	-32.637	-32.637
		Mt	0.00	0.00	0.00
		My	23.11	27.19	31.27
		Mz	0.01	0.01	0.01
	TB-450 - A1	N	50.005	50.005	50.005
		Vy	-0.011	-0.011	-0.011
		Vz	25.583	25.583	25.583
		Mt	0.00	0.00	0.00
		My	5.93	2.73	-0.47
		Mz	-0.10	-0.10	-0.10
	TB-450 - A2	N	20.434	20.434	20.434
		Vy	0.010	0.010	0.010
		Vz	10.852	10.852	10.852
		Mt	0.00	0.00	0.00
		My	2.51	1.15	-0.21
		Mz	0.10	0.10	0.09
	TB-450 - B1	N	150.931	150.931	150.931
		Vy	0.143	0.143	0.143
		Vz	71.905	71.905	71.905
		Mt	0.01	0.01	0.01
		My	20.35	11.36	2.38
		Mz	-0.06	-0.08	-0.09
	TB-450 - B2	N	65.578	65.578	65.578
		Vy	-0.134	-0.134	-0.134
		Vz	30.481	30.481	30.481
		Mt	-0.01	-0.01	-0.01
		My	8.64	4.83	1.02
		Mz	0.06	0.08	0.09
	TB-450 - C1	N	206.327	206.327	206.327
		Vy	0.132	0.132	0.132
		Vz	-61.251	-61.251	-61.251
		Mt	0.01	0.01	0.01
		My	38.55	46.20	53.86
		Mz	-0.13	-0.15	-0.17
	TB-450 - C2	N	89.883	89.883	89.883
		Vy	-0.168	-0.168	-0.168
		Vz	-25.756	-25.756	-25.756
		Mt	-0.01	-0.01	-0.01
		My	16.34	19.56	22.78
		Mz	0.15	0.17	0.19
	TB-450 - D1	N	144.277	144.277	144.277
		Vy	0.069	0.069	0.069
		Vz	-72.544	-72.544	-72.544
		Mt	0.01	0.01	0.01
		My	-14.60	-5.53	3.53
		Mz	-0.07	-0.07	-0.08
	TB-450 - D2	N	62.640	62.640	62.640
		Vy	-0.091	-0.091	-0.091

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-30.574	-30.574	-30.574
		Mt	-0.01	-0.01	-0.01
		My	-6.13	-2.31	1.51
		Mz	0.07	0.08	0.09
	TB-450 - E1	N	47.486	47.486	47.486
		Vy	0.071	0.071	0.071
		Vz	-25.793	-25.793	-25.793
		Mt	0.00	0.00	0.00
		My	-6.52	-3.29	-0.07
		Mz	-0.09	-0.09	-0.10
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N100/N164	Peso próprio	N	231.784	231.797	231.811
		Vy	-0.063	-0.063	-0.063
		Vz	0.376	0.669	0.961
		Mt	0.00	0.00	0.00
		My	15.01	14.95	14.85
		Mz	0.10	0.11	0.12
	LAJE	N	561.707	561.707	561.707
		Vy	-0.004	-0.004	-0.004
		Vz	54.393	54.393	54.393
		Mt	0.00	0.00	0.00
		My	53.29	46.49	39.69
		Mz	0.01	0.02	0.02
	PAVIMENTAÇÃO	N	306.576	306.576	306.576
		Vy	-0.002	-0.002	-0.002
		Vz	29.681	29.681	29.681
		Mt	0.00	0.00	0.00
		My	29.08	25.37	21.66
		Mz	0.01	0.01	0.01
	RECAPEAMENTO	N	139.353	139.353	139.353
		Vy	-0.001	-0.001	-0.001
		Vz	13.491	13.491	13.491
		Mt	0.00	0.00	0.00
		My	13.22	11.53	9.84
		Mz	0.00	0.00	0.00
	GUARDA-RODAS	N	75.400	75.400	75.400
		Vy	-0.001	-0.001	-0.001
		Vz	7.322	7.322	7.322
		Mt	0.00	0.00	0.00
		My	7.17	6.26	5.34

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mz	0.00	0.00	0.00
	Vento 0	N	42.770	42.770	42.770
		Vy	1.255	1.067	0.880
		Vz	-0.189	-0.189	-0.189
		Mt	-0.04	-0.04	-0.04
		My	1.15	1.18	1.20
		Mz	-4.55	-4.69	-4.81
	Vento 180	N	-41.447	-41.447	-41.447
		Vy	2.410	2.410	2.410
		Vz	-2.059	-2.059	-2.059
		Mt	0.05	0.05	0.05
		My	-1.06	-0.80	-0.54
		Mz	6.19	5.89	5.59
	Multidão - Passeio	N	97.502	97.502	97.502
		Vy	-0.002	-0.002	-0.002
		Vz	9.501	9.501	9.501
		Mt	0.00	0.00	0.00
		My	9.30	8.11	6.93
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	321.126	321.126	321.126
		Vy	-0.001	-0.001	-0.001
		Vz	31.011	31.011	31.011
		Mt	0.00	0.00	0.00
		My	30.39	26.51	22.64
		Mz	0.01	0.01	0.01
	TB-450 - A1	N	50.005	50.005	50.005
		Vy	-0.015	-0.015	-0.015
		Vz	25.583	25.583	25.583
		Mt	0.00	0.00	0.00
		My	-0.47	-3.67	-6.86
		Mz	-0.10	-0.10	-0.09
	TB-450 - A2	N	20.434	20.434	20.434
		Vy	0.006	0.006	0.006
		Vz	10.852	10.852	10.852
		Mt	0.00	0.00	0.00
		My	-0.21	-1.56	-2.92
		Mz	0.09	0.09	0.09
	TB-450 - B1	N	150.931	150.931	150.931
		Vy	0.140	0.140	0.140
		Vz	71.905	71.905	71.905
		Mt	0.01	0.01	0.01
		My	2.38	-6.61	-15.60
		Mz	-0.09	-0.11	-0.13
	TB-450 - B2	N	65.578	65.578	65.578
		Vy	-0.136	-0.136	-0.136
		Vz	30.481	30.481	30.481
		Mt	-0.01	-0.01	-0.01
		My	1.02	-2.79	-6.60
		Mz	0.09	0.11	0.13

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
	TB-450 - C1	N	211.895	211.895	211.895
		Vy	0.160	0.160	0.160
		Vz	59.394	59.394	59.394
		Mt	0.01	0.01	0.01
		My	52.19	44.76	37.34
		Mz	-0.17	-0.19	-0.21
	TB-450 - C2	N	92.235	92.235	92.235
		Vy	-0.140	-0.140	-0.140
		Vz	25.199	25.199	25.199
		Mt	-0.01	-0.01	-0.01
		My	22.07	18.92	15.77
		Mz	0.19	0.21	0.22
	TB-450 - D1	N	144.277	144.277	144.277
		Vy	0.075	0.075	0.075
		Vz	-72.544	-72.544	-72.544
		Mt	0.01	0.01	0.01
		My	3.53	12.60	21.67
		Mz	-0.08	-0.09	-0.10
	TB-450 - D2	N	62.640	62.640	62.640
		Vy	-0.085	-0.085	-0.085
		Vz	-30.574	-30.574	-30.574
		Mt	-0.01	-0.01	-0.01
		My	1.51	5.33	9.16
		Mz	0.09	0.10	0.11
	TB-450 - E1	N	47.486	47.486	47.486
		Vy	0.060	0.060	0.060
		Vz	-25.793	-25.793	-25.793
		Mt	0.00	0.00	0.00
		My	-0.07	3.15	6.38
		Mz	-0.10	-0.11	-0.12
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
N164/N101	Peso próprio	N	229.906	229.925	229.944	229.963	229.982	230.001	230.020
		Vy	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065
		Vz	-7.279	-6.869	-6.458	-6.048	-5.637	-5.227	-4.816
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	15.34	16.58	17.75	18.84	19.87	20.82	21.70
		Mz	0.12	0.13	0.14	0.15	0.16	0.17	0.19
	LAJE	N	549.130	549.130	549.130	549.130	549.130	549.130	549.130
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-11.123	-11.123	-11.123	-11.123	-11.123	-11.123	-11.123

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	45.17	47.12	49.07	51.02	52.97	54.92	56.87
		Mz	0.02	0.02	0.02	0.02	0.02	0.02	0.02
	PAVIMENTAÇÃO	N	299.713	299.713	299.713	299.713	299.713	299.713	299.713
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-6.069	-6.069	-6.069	-6.069	-6.069	-6.069	-6.069
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	24.65	25.71	26.78	27.84	28.90	29.97	31.03
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	RECAPEAMENTO	N	136.233	136.233	136.233	136.233	136.233	136.233	136.233
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-2.759	-2.759	-2.759	-2.759	-2.759	-2.759	-2.759
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.20	11.69	12.17	12.65	13.14	13.62	14.11
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	73.707	73.707	73.707	73.707	73.707	73.707	73.707
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-1.497	-1.497	-1.497	-1.497	-1.497	-1.497	-1.497
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.08	6.34	6.60	6.87	7.13	7.39	7.65
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	42.636	42.636	42.636	42.636	42.636	42.636	42.636
		Vy	-1.956	-2.219	-2.482	-2.745	-3.008	-3.271	-3.533
		Vz	-0.645	-0.645	-0.645	-0.645	-0.645	-0.645	-0.645
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.36	1.47	1.58	1.69	1.81	1.92	2.03
		Mz	-4.69	-4.32	-3.91	-3.45	-2.95	-2.40	-1.80
	Vento 180	N	-40.792	-40.792	-40.792	-40.792	-40.792	-40.792	-40.792
		Vy	2.552	2.552	2.552	2.552	2.552	2.552	2.552
		Vz	0.606	0.606	0.606	0.606	0.606	0.606	0.606
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	-1.25	-1.36	-1.46	-1.57	-1.68	-1.78	-1.89
		Mz	5.60	5.15	4.71	4.26	3.81	3.36	2.92
	Multidão - Passeio	N	95.305	95.305	95.305	95.305	95.305	95.305	95.305
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-1.943	-1.943	-1.943	-1.943	-1.943	-1.943	-1.943
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.88	8.22	8.57	8.91	9.25	9.59	9.93
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	313.955	313.955	313.955	313.955	313.955	313.955	313.955
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-6.341	-6.341	-6.341	-6.341	-6.341	-6.341	-6.341
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.76	26.87	27.98	29.10	30.21	31.32	32.43
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - A1	N	43.850	43.850	43.850	43.850	43.850	43.850	43.850
		Vy	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014
		Vz	-0.790	-0.790	-0.790	-0.790	-0.790	-0.790	-0.790
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		My	-0.49	-0.36	-0.22	-0.08	0.06	0.20	0.34
		Mz	-0.09	-0.09	-0.09	-0.09	-0.08	-0.08	-0.08
	TB-450 - A2	N	17.823	17.823	17.823	17.823	17.823	17.823	17.823
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	-0.337	-0.337	-0.337	-0.337	-0.337	-0.337	-0.337
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.21	-0.16	-0.10	-0.04	0.02	0.08	0.14
		Mz	0.09	0.09	0.09	0.09	0.09	0.09	0.09
	TB-450 - B1	N	133.877	133.877	133.877	133.877	133.877	133.877	133.877
		Vy	0.143	0.143	0.143	0.143	0.143	0.143	0.143
		Vz	-1.266	-1.266	-1.266	-1.266	-1.266	-1.266	-1.266
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.93	2.15	2.37	2.60	2.82	3.04	3.26
		Mz	-0.12	-0.15	-0.17	-0.20	-0.22	-0.25	-0.28
	TB-450 - B2	N	58.346	58.346	58.346	58.346	58.346	58.346	58.346
		Vy	-0.138	-0.138	-0.138	-0.138	-0.138	-0.138	-0.138
		Vz	-0.547	-0.547	-0.547	-0.547	-0.547	-0.547	-0.547
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.84	0.93	1.03	1.13	1.22	1.32	1.41
		Mz	0.12	0.15	0.17	0.20	0.22	0.24	0.27
	TB-450 - C1	N	201.064	201.064	201.064	201.064	201.064	201.064	201.064
		Vy	0.164	0.164	0.164	0.164	0.164	0.164	0.164
		Vz	4.369	4.369	4.369	4.369	4.369	4.369	4.369
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	43.02	42.25	41.48	40.72	39.95	39.19	38.42
		Mz	-0.20	-0.23	-0.26	-0.29	-0.32	-0.35	-0.37
	TB-450 - C2	N	87.630	87.630	87.630	87.630	87.630	87.630	87.630
		Vy	-0.144	-0.144	-0.144	-0.144	-0.144	-0.144	-0.144
		Vz	1.834	1.834	1.834	1.834	1.834	1.834	1.834
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	18.20	17.88	17.56	17.24	16.91	16.59	16.27
		Mz	0.22	0.24	0.27	0.30	0.32	0.35	0.37
	TB-450 - D1	N	158.909	158.909	158.909	158.909	158.909	158.909	158.909
		Vy	0.078	0.078	0.078	0.078	0.078	0.078	0.078
		Vz	-12.638	-12.638	-12.638	-12.638	-12.638	-12.638	-12.638
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.64	6.86	9.07	11.29	13.50	15.71	17.93
		Mz	-0.10	-0.11	-0.13	-0.14	-0.15	-0.17	-0.18
	TB-450 - D2	N	68.801	68.801	68.801	68.801	68.801	68.801	68.801
		Vy	-0.087	-0.087	-0.087	-0.087	-0.087	-0.087	-0.087
		Vz	-5.352	-5.352	-5.352	-5.352	-5.352	-5.352	-5.352
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.98	2.92	3.86	4.80	5.73	6.67	7.61
		Mz	0.11	0.13	0.14	0.16	0.17	0.19	0.20
	TB-450 - E1	N	53.366	53.366	53.366	53.366	53.366	53.366	53.366
		Vy	0.061	0.061	0.061	0.061	0.061	0.061	0.061
		Vz	-1.663	-1.663	-1.663	-1.663	-1.663	-1.663	-1.663
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.31	-0.02	0.27	0.56	0.85	1.15	1.44

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		Mz	-0.12	-0.13	-0.14	-0.15	-0.16	-0.17	-0.18
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
N101/N226	Peso próprio	N	230.020	230.039	230.058	230.077	230.096	230.115	230.134
		Vy	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065
		Vz	-4.816	-4.406	-3.995	-3.585	-3.174	-2.764	-2.353
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	21.70	22.51	23.24	23.91	24.50	25.02	25.47
		Mz	0.19	0.20	0.21	0.22	0.23	0.24	0.25
	LAJE	N	549.130	549.130	549.130	549.130	549.130	549.130	549.130
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-11.123	-11.123	-11.123	-11.123	-11.123	-11.123	-11.123
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	56.87	58.81	60.76	62.71	64.66	66.61	68.56
		Mz	0.02	0.02	0.02	0.02	0.02	0.02	0.02
	PAVIMENTAÇÃO	N	299.713	299.713	299.713	299.713	299.713	299.713	299.713
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-6.069	-6.069	-6.069	-6.069	-6.069	-6.069	-6.069
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	31.03	32.09	33.16	34.22	35.29	36.35	37.41
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	RECAPEAMENTO	N	136.233	136.233	136.233	136.233	136.233	136.233	136.233
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-2.759	-2.759	-2.759	-2.759	-2.759	-2.759	-2.759
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.11	14.59	15.07	15.56	16.04	16.52	17.01
		Mz	0.00	0.00	0.01	0.01	0.01	0.01	0.01
	GUARDA-RODAS	N	73.707	73.707	73.707	73.707	73.707	73.707	73.707
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-1.497	-1.497	-1.497	-1.497	-1.497	-1.497	-1.497
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.65	7.92	8.18	8.44	8.70	8.96	9.23
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	42.636	42.636	42.636	42.636	42.636	42.636	42.636
		Vy	-3.533	-3.796	-4.059	-4.322	-4.585	-4.848	-5.111
		Vz	-0.645	-0.645	-0.645	-0.645	-0.645	-0.645	-0.645
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.03	2.15	2.26	2.37	2.49	2.60	2.71
		Mz	-1.80	-1.16	-0.47	0.27	1.05	1.87	2.74
	Vento 180	N	-40.792	-40.792	-40.792	-40.792	-40.792	-40.792	-40.792
		Vy	2.552	2.552	2.552	2.552	2.552	2.552	2.552

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		Vz	0.606	0.606	0.606	0.606	0.606	0.606	0.606
		Mt	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		My	-1.89	-1.99	-2.10	-2.21	-2.31	-2.42	-2.53
		Mz	2.92	2.47	2.02	1.58	1.13	0.68	0.23
	Multidão - Passeio	N	95.305	95.305	95.305	95.305	95.305	95.305	95.305
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-1.943	-1.943	-1.943	-1.943	-1.943	-1.943	-1.943
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.93	10.27	10.61	10.95	11.29	11.63	11.97
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	313.955	313.955	313.955	313.955	313.955	313.955	313.955
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-6.341	-6.341	-6.341	-6.341	-6.341	-6.341	-6.341
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	32.43	33.54	34.65	35.76	36.87	37.99	39.10
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - A1	N	43.850	43.850	43.850	43.850	43.850	43.850	43.850
		Vy	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014
		Vz	-0.790	-0.790	-0.790	-0.790	-0.790	-0.790	-0.790
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.34	0.48	0.61	0.75	0.89	1.03	1.17
		Mz	-0.08	-0.08	-0.07	-0.07	-0.07	-0.07	-0.06
	TB-450 - A2	N	17.823	17.823	17.823	17.823	17.823	17.823	17.823
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	-0.337	-0.337	-0.337	-0.337	-0.337	-0.337	-0.337
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.14	0.20	0.26	0.32	0.38	0.43	0.49
		Mz	0.09	0.09	0.09	0.08	0.08	0.08	0.08
	TB-450 - B1	N	133.877	133.877	133.877	133.877	133.877	133.877	133.877
		Vy	0.143	0.143	0.143	0.143	0.143	0.143	0.143
		Vz	-1.266	-1.266	-1.266	-1.266	-1.266	-1.266	-1.266
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.26	3.48	3.70	3.93	4.15	4.37	4.59
		Mz	-0.28	-0.30	-0.33	-0.35	-0.38	-0.40	-0.43
	TB-450 - B2	N	58.346	58.346	58.346	58.346	58.346	58.346	58.346
		Vy	-0.138	-0.138	-0.138	-0.138	-0.138	-0.138	-0.138
		Vz	-0.547	-0.547	-0.547	-0.547	-0.547	-0.547	-0.547
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.41	1.51	1.61	1.70	1.80	1.89	1.99
		Mz	0.27	0.29	0.32	0.34	0.37	0.39	0.41
	TB-450 - C1	N	201.064	201.064	201.064	201.064	201.064	201.064	201.064
		Vy	0.164	0.164	0.164	0.164	0.164	0.164	0.164
		Vz	4.369	4.369	4.369	4.369	4.369	4.369	4.369
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	38.42	37.66	36.89	36.12	35.36	34.59	33.83
		Mz	-0.37	-0.40	-0.43	-0.46	-0.49	-0.52	-0.55
	TB-450 - C2	N	87.630	87.630	87.630	87.630	87.630	87.630	87.630
		Vy	-0.144	-0.144	-0.144	-0.144	-0.144	-0.144	-0.144
		Vz	1.834	1.834	1.834	1.834	1.834	1.834	1.834

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	16.27	15.95	15.63	15.31	14.99	14.66	14.34
		Mz	0.37	0.40	0.42	0.45	0.47	0.50	0.52
	TB-450 - D1	N	158.909	158.909	158.909	158.909	158.909	158.909	158.909
		Vy	0.078	0.078	0.078	0.078	0.078	0.078	0.078
		Vz	-12.638	-12.638	-12.638	-12.638	-12.638	-12.638	-12.638
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	17.93	20.14	22.36	24.57	26.79	29.00	31.22
		Mz	-0.18	-0.20	-0.21	-0.22	-0.24	-0.25	-0.26
	TB-450 - D2	N	68.801	68.801	68.801	68.801	68.801	68.801	68.801
		Vy	-0.087	-0.087	-0.087	-0.087	-0.087	-0.087	-0.087
		Vz	-5.352	-5.352	-5.352	-5.352	-5.352	-5.352	-5.352
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.61	8.55	9.49	10.42	11.36	12.30	13.24
		Mz	0.20	0.22	0.23	0.25	0.26	0.28	0.29
	TB-450 - E1	N	53.366	53.366	53.366	53.366	53.366	53.366	53.366
		Vy	0.061	0.061	0.061	0.061	0.061	0.061	0.061
		Vz	-1.663	-1.663	-1.663	-1.663	-1.663	-1.663	-1.663
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.44	1.73	2.02	2.31	2.60	2.89	3.19
		Mz	-0.18	-0.19	-0.20	-0.21	-0.22	-0.23	-0.24
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N226/N24	Peso próprio	N	229.250	229.263	229.277
		Vy	-0.069	-0.069	-0.069
		Vz	0.793	1.086	1.379
		Mt	0.02	0.02	0.02
		My	29.15	29.03	28.88
		Mz	0.25	0.26	0.27
	LAJE	N	544.536	544.536	544.536
		Vy	-0.003	-0.003	-0.003
		Vz	-6.043	-6.043	-6.043
		Mt	0.00	0.00	0.00
		My	84.14	84.90	85.65
		Mz	0.02	0.02	0.02
	PAVIMENTAÇÃO	N	297.206	297.206	297.206
		Vy	-0.002	-0.002	-0.002
		Vz	-3.297	-3.297	-3.297
		Mt	0.00	0.00	0.00
		My	45.91	46.33	46.74
		Mz	0.01	0.01	0.01

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
	RECAPEAMENTO	N	135.093	135.093	135.093
		Vy	-0.001	-0.001	-0.001
		Vz	-1.499	-1.499	-1.499
		Mt	0.00	0.00	0.00
		My	20.87	21.06	21.24
		Mz	0.01	0.01	0.01
	GUARDA-RODAS	N	73.089	73.089	73.089
		Vy	-0.001	-0.001	-0.001
		Vz	-0.814	-0.814	-0.814
		Mt	0.00	0.00	0.00
		My	11.32	11.43	11.53
		Mz	0.00	0.00	0.00
	Vento 0	N	42.325	42.325	42.325
		Vy	-7.954	-8.141	-8.329
		Vz	1.146	1.146	1.146
		Mt	0.19	0.19	0.19
		My	3.33	3.18	3.04
		Mz	2.67	3.68	4.71
	Vento 180	N	-40.179	-40.179	-40.179
		Vy	2.692	2.692	2.692
		Vz	-3.251	-3.251	-3.251
		Mt	0.18	0.18	0.18
		My	-3.61	-3.20	-2.80
		Mz	0.27	-0.06	-0.40
	Multidão - Passeio	N	94.503	94.503	94.503
		Vy	-0.001	-0.001	-0.001
		Vz	-1.058	-1.058	-1.058
		Mt	0.00	0.00	0.00
		My	14.69	14.82	14.96
		Mz	0.00	0.01	0.01
	Multidão - TB450	N	311.336	311.336	311.336
		Vy	-0.001	-0.001	-0.001
		Vz	-3.442	-3.442	-3.442
		Mt	0.00	0.00	0.00
		My	47.98	48.41	48.84
		Mz	0.01	0.01	0.01
	TB-450 - A1	N	40.498	40.498	40.498
		Vy	-0.012	-0.012	-0.012
		Vz	20.929	20.929	20.929
		Mt	0.00	0.00	0.00
		My	6.73	4.11	1.49
		Mz	-0.06	-0.06	-0.06
	TB-450 - A2	N	16.399	16.399	16.399
		Vy	0.004	0.004	0.004
		Vz	8.883	8.883	8.883
		Mt	0.00	0.00	0.00
		My	2.85	1.74	0.63
		Mz	0.08	0.08	0.08
	TB-450 - B1	N	124.267	124.267	124.267

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	0.150	0.150	0.150
		Vz	61.144	61.144	61.144
		Mt	-0.02	-0.02	-0.02
		My	20.52	12.88	5.24
		Mz	-0.43	-0.44	-0.46
	TB-450 - B2	N	54.268	54.268	54.268
		Vy	-0.145	-0.145	-0.145
		Vz	25.933	25.933	25.933
		Mt	0.02	0.02	0.02
		My	8.75	5.51	2.27
		Mz	0.41	0.43	0.45
	TB-450 - C1	N	194.902	194.902	194.902
		Vy	0.173	0.173	0.173
		Vz	34.941	34.941	34.941
		Mt	-0.03	-0.03	-0.03
		My	47.42	43.05	38.68
		Mz	-0.55	-0.57	-0.59
	TB-450 - C2	N	85.009	85.009	85.009
		Vy	-0.153	-0.153	-0.153
		Vz	14.871	14.871	14.871
		Mt	0.03	0.03	0.03
		My	20.11	18.26	16.40
		Mz	0.52	0.54	0.56
	TB-450 - D1	N	168.751	168.751	168.751
		Vy	0.083	0.083	0.083
		Vz	-90.558	-90.558	-90.558
		Mt	-0.01	-0.01	-0.01
		My	19.18	30.50	41.81
		Mz	-0.26	-0.27	-0.28
	TB-450 - D2	N	72.945	72.945	72.945
		Vy	-0.092	-0.092	-0.092
		Vz	-38.184	-38.184	-38.184
		Mt	0.02	0.02	0.02
		My	8.17	12.95	17.72
		Mz	0.29	0.31	0.32
	TB-450 - E1	N	57.725	57.725	57.725
		Vy	0.064	0.064	0.064
		Vz	-33.209	-33.209	-33.209
		Mt	-0.02	-0.02	-0.02
		My	-3.09	1.06	5.21
		Mz	-0.25	-0.25	-0.26
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
N47/N194	Peso próprio	N	-10.679	-10.676	-10.672	-10.668	-10.664	-10.661	-10.657
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.240	-0.200	-0.160	-0.120	-0.080	-0.040	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.05	0.09	0.12	0.14	0.15	0.16
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-4.461	-4.461	-4.461	-4.461	-4.461	-4.461	-4.461
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-2.434	-2.434	-2.434	-2.434	-2.434	-2.434	-2.434
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-1.107	-1.107	-1.107	-1.107	-1.107	-1.107	-1.107
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.601	-0.601	-0.601	-0.601	-0.601	-0.601	-0.601
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-4.033	-4.033	-4.033	-4.033	-4.033	-4.033	-4.033
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-5.284	-5.284	-5.284	-5.284	-5.284	-5.284	-5.284
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.780	-0.780	-0.780	-0.780	-0.780	-0.780	-0.780
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-2.543	-2.543	-2.543	-2.543	-2.543	-2.543	-2.543

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.780	-0.780	-0.780	-0.780	-0.780	-0.780	-0.780
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.781	-0.781	-0.781	-0.781	-0.781	-0.781	-0.781
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-1.099	-1.099	-1.099	-1.099	-1.099	-1.099	-1.099
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-1.100	-1.100	-1.100	-1.100	-1.100	-1.100	-1.100
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-1.024	-1.024	-1.024	-1.024	-1.024	-1.024	-1.024
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-1.026	-1.026	-1.026	-1.026	-1.026	-1.026	-1.026
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.413	-0.413	-0.413	-0.413	-0.413	-0.413	-0.413
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
N194/N46	Peso próprio	N	-10.657	-10.653	-10.649	-10.646	-10.642	-10.638	-10.634
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.040	0.080	0.120	0.160	0.200	0.240
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.16	0.15	0.14	0.12	0.09	0.05	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-4.461	-4.461	-4.461	-4.461	-4.461	-4.461	-4.461
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-2.434	-2.434	-2.434	-2.434	-2.434	-2.434	-2.434
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-1.107	-1.107	-1.107	-1.107	-1.107	-1.107	-1.107
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.601	-0.601	-0.601	-0.601	-0.601	-0.601	-0.601
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-4.033	-4.033	-4.033	-4.033	-4.033	-4.033	-4.033
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-5.284	-5.284	-5.284	-5.284	-5.284	-5.284	-5.284
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.780	-0.780	-0.780	-0.780	-0.780	-0.780	-0.780
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-2.543	-2.543	-2.543	-2.543	-2.543	-2.543	-2.543
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.780	-0.780	-0.780	-0.780	-0.780	-0.780	-0.780
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.781	-0.781	-0.781	-0.781	-0.781	-0.781	-0.781
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
	TB-450 - C1	N	-1.099	-1.099	-1.099	-1.099	-1.099	-1.099	-1.099
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-1.100	-1.100	-1.100	-1.100	-1.100	-1.100	-1.100
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-1.024	-1.024	-1.024	-1.024	-1.024	-1.024	-1.024
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-1.026	-1.026	-1.026	-1.026	-1.026	-1.026	-1.026
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.413	-0.413	-0.413	-0.413	-0.413	-0.413	-0.413
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
N48/N193	Peso próprio	N	-7.552	-7.548	-7.544	-7.541	-7.537	-7.533	-7.529
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.240	-0.200	-0.160	-0.120	-0.080	-0.040	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.05	0.09	0.12	0.14	0.15	0.16
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-4.149	-4.149	-4.149	-4.149	-4.149	-4.149	-4.149
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-2.264	-2.264	-2.264	-2.264	-2.264	-2.264	-2.264
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-1.029	-1.029	-1.029	-1.029	-1.029	-1.029	-1.029
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.559	-0.559	-0.559	-0.559	-0.559	-0.559	-0.559
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-6.371	-6.371	-6.371	-6.371	-6.371	-6.371	-6.371
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-6.426	-6.426	-6.426	-6.426	-6.426	-6.426	-6.426
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.725	-0.725	-0.725	-0.725	-0.725	-0.725	-0.725
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-2.365	-2.365	-2.365	-2.365	-2.365	-2.365	-2.365
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.233	-0.233	-0.233	-0.233	-0.233	-0.233	-0.233
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Júnior
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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.233	-0.233	-0.233	-0.233	-0.233	-0.233	-0.233
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.654	-0.654	-0.654	-0.654	-0.654	-0.654	-0.654
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.653	-0.653	-0.653	-0.653	-0.653	-0.653	-0.653
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.952	-0.952	-0.952	-0.952	-0.952	-0.952	-0.952
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.950	-0.950	-0.950	-0.950	-0.950	-0.950	-0.950
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.946	-0.946	-0.946	-0.946	-0.946	-0.946	-0.946
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.944	-0.944	-0.944	-0.944	-0.944	-0.944	-0.944
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.407	-0.407	-0.407	-0.407	-0.407	-0.407	-0.407
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
N193/N47	Peso próprio	N	-7.529	-7.526	-7.522	-7.518	-7.514	-7.511	-7.507
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.040	0.080	0.120	0.160	0.200	0.240
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.16	0.15	0.14	0.12	0.09	0.05	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-4.149	-4.149	-4.149	-4.149	-4.149	-4.149	-4.149
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-2.264	-2.264	-2.264	-2.264	-2.264	-2.264	-2.264
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-1.029	-1.029	-1.029	-1.029	-1.029	-1.029	-1.029
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.559	-0.559	-0.559	-0.559	-0.559	-0.559	-0.559
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-6.371	-6.371	-6.371	-6.371	-6.371	-6.371	-6.371
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-6.426	-6.426	-6.426	-6.426	-6.426	-6.426	-6.426
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.725	-0.725	-0.725	-0.725	-0.725	-0.725	-0.725
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-2.365	-2.365	-2.365	-2.365	-2.365	-2.365	-2.365
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.233	-0.233	-0.233	-0.233	-0.233	-0.233	-0.233
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.233	-0.233	-0.233	-0.233	-0.233	-0.233	-0.233
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.654	-0.654	-0.654	-0.654	-0.654	-0.654	-0.654
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.653	-0.653	-0.653	-0.653	-0.653	-0.653	-0.653
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.952	-0.952	-0.952	-0.952	-0.952	-0.952	-0.952
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.950	-0.950	-0.950	-0.950	-0.950	-0.950	-0.950
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adilo José Francisco Junior
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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.946	-0.946	-0.946	-0.946	-0.946	-0.946	-0.946
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.944	-0.944	-0.944	-0.944	-0.944	-0.944	-0.944
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.407	-0.407	-0.407	-0.407	-0.407	-0.407	-0.407
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
N49/N192	Peso próprio	N	-4.043	-4.039	-4.035	-4.032	-4.028	-4.024	-4.020
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.240	-0.200	-0.160	-0.120	-0.080	-0.040	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.05	0.09	0.12	0.14	0.15	0.16
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-2.455	-2.455	-2.455	-2.455	-2.455	-2.455	-2.455
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-1.340	-1.340	-1.340	-1.340	-1.340	-1.340	-1.340
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
	RECAPEAMENTO	N	-0.609	-0.609	-0.609	-0.609	-0.609	-0.609	-0.609
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.331	-0.331	-0.331	-0.331	-0.331	-0.331	-0.331
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-10.160	-10.160	-10.160	-10.160	-10.160	-10.160	-10.160
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-8.671	-8.671	-8.671	-8.671	-8.671	-8.671	-8.671
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.429	-0.429	-0.429	-0.429	-0.429	-0.429	-0.429
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-1.400	-1.400	-1.400	-1.400	-1.400	-1.400	-1.400
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.132	-0.132	-0.132	-0.132	-0.132	-0.132	-0.132
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.132	-0.132	-0.132	-0.132	-0.132	-0.132	-0.132
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.374	-0.374	-0.374	-0.374	-0.374	-0.374	-0.374

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.372	-0.372	-0.372	-0.372	-0.372	-0.372	-0.372
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.552	-0.552	-0.552	-0.552	-0.552	-0.552	-0.552
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.550	-0.550	-0.550	-0.550	-0.550	-0.550	-0.550
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.572	-0.572	-0.572	-0.572	-0.572	-0.572	-0.572
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.570	-0.570	-0.570	-0.570	-0.570	-0.570	-0.570
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.261	-0.261	-0.261	-0.261	-0.261	-0.261	-0.261
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
N192/N48	Peso próprio	N	-4.020	-4.016	-4.013	-4.009	-4.005	-4.001	-3.998
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.040	0.080	0.120	0.160	0.200	0.240
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.16	0.15	0.14	0.12	0.09	0.05	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-2.455	-2.455	-2.455	-2.455	-2.455	-2.455	-2.455
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-1.340	-1.340	-1.340	-1.340	-1.340	-1.340	-1.340
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.609	-0.609	-0.609	-0.609	-0.609	-0.609	-0.609
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.331	-0.331	-0.331	-0.331	-0.331	-0.331	-0.331
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-10.160	-10.160	-10.160	-10.160	-10.160	-10.160	-10.160
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-8.671	-8.671	-8.671	-8.671	-8.671	-8.671	-8.671
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.429	-0.429	-0.429	-0.429	-0.429	-0.429	-0.429
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-1.400	-1.400	-1.400	-1.400	-1.400	-1.400	-1.400

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.132	-0.132	-0.132	-0.132	-0.132	-0.132	-0.132
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.132	-0.132	-0.132	-0.132	-0.132	-0.132	-0.132
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.374	-0.374	-0.374	-0.374	-0.374	-0.374	-0.374
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.372	-0.372	-0.372	-0.372	-0.372	-0.372	-0.372
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-0.552	-0.552	-0.552	-0.552	-0.552	-0.552	-0.552
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-0.550	-0.550	-0.550	-0.550	-0.550	-0.550	-0.550
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-0.572	-0.572	-0.572	-0.572	-0.572	-0.572	-0.572
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-0.570	-0.570	-0.570	-0.570	-0.570	-0.570	-0.570
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.261	-0.261	-0.261	-0.261	-0.261	-0.261	-0.261
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
N46/N195	Peso próprio	N	-13.402	-13.398	-13.394	-13.390	-13.387	-13.383	-13.379
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.240	-0.200	-0.160	-0.120	-0.080	-0.040	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.05	0.09	0.12	0.14	0.15	0.16
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-4.450	-4.450	-4.450	-4.450	-4.450	-4.450	-4.450
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-2.428	-2.428	-2.428	-2.428	-2.428	-2.428	-2.428
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-1.104	-1.104	-1.104	-1.104	-1.104	-1.104	-1.104
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.599	-0.599	-0.599	-0.599	-0.599	-0.599	-0.599
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-5.217	-5.217	-5.217	-5.217	-5.217	-5.217	-5.217
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-6.167	-6.167	-6.167	-6.167	-6.167	-6.167	-6.167
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.777	-0.777	-0.777	-0.777	-0.777	-0.777	-0.777
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-2.537	-2.537	-2.537	-2.537	-2.537	-2.537	-2.537
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.312	-0.312	-0.312	-0.312	-0.312	-0.312	-0.312
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.313	-0.313	-0.313	-0.313	-0.313	-0.313	-0.313
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.856	-0.856	-0.856	-0.856	-0.856	-0.856	-0.856
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.859	-0.859	-0.859	-0.859	-0.859	-0.859	-0.859
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
	TB-450 - C1	N	-1.142	-1.142	-1.142	-1.142	-1.142	-1.142	-1.142
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-1.144	-1.144	-1.144	-1.144	-1.144	-1.144	-1.144
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-1.017	-1.017	-1.017	-1.017	-1.017	-1.017	-1.017
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-1.020	-1.020	-1.020	-1.020	-1.020	-1.020	-1.020
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.419	-0.419	-0.419	-0.419	-0.419	-0.419	-0.419
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
N195/N45	Peso próprio	N	-13.379	-13.375	-13.372	-13.368	-13.364	-13.360	-13.357
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.040	0.080	0.120	0.160	0.200	0.240
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.16	0.15	0.14	0.12	0.09	0.05	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-4.450	-4.450	-4.450	-4.450	-4.450	-4.450	-4.450
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-2.428	-2.428	-2.428	-2.428	-2.428	-2.428	-2.428
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-1.104	-1.104	-1.104	-1.104	-1.104	-1.104	-1.104
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.599	-0.599	-0.599	-0.599	-0.599	-0.599	-0.599
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-5.217	-5.217	-5.217	-5.217	-5.217	-5.217	-5.217
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	-6.167	-6.167	-6.167	-6.167	-6.167	-6.167	-6.167
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	-0.777	-0.777	-0.777	-0.777	-0.777	-0.777	-0.777
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-2.537	-2.537	-2.537	-2.537	-2.537	-2.537	-2.537
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	-0.312	-0.312	-0.312	-0.312	-0.312	-0.312	-0.312
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	-0.313	-0.313	-0.313	-0.313	-0.313	-0.313	-0.313
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-0.856	-0.856	-0.856	-0.856	-0.856	-0.856	-0.856
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-0.859	-0.859	-0.859	-0.859	-0.859	-0.859	-0.859
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-1.142	-1.142	-1.142	-1.142	-1.142	-1.142	-1.142
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-1.144	-1.144	-1.144	-1.144	-1.144	-1.144	-1.144
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-1.017	-1.017	-1.017	-1.017	-1.017	-1.017	-1.017
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-1.020	-1.020	-1.020	-1.020	-1.020	-1.020	-1.020
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	-0.419	-0.419	-0.419	-0.419	-0.419	-0.419	-0.419
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
N35/N191	Peso próprio	N	2.641	2.645	2.649	2.653	2.657	2.661	2.665
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-0.295	-0.255	-0.214	-0.174	-0.134	-0.094	-0.054
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.06	0.11	0.15	0.19	0.21	0.23
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-8.252	-8.252	-8.252	-8.252	-8.252	-8.252	-8.252
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-4.642	-4.642	-4.642	-4.642	-4.642	-4.642	-4.642
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-2.110	-2.110	-2.110	-2.110	-2.110	-2.110	-2.110
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.656	-0.656	-0.656	-0.656	-0.656	-0.656	-0.656
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vy	-0.227	-0.227	-0.227	-0.227	-0.227	-0.227	-0.227
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.05	0.10	0.15	0.20	0.25	0.30
	Vento 180	N	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vy	0.232	0.232	0.232	0.232	0.232	0.232	0.232

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	-0.05	-0.10	-0.15	-0.20	-0.25	-0.30
	Multidão - Passeio	N	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-6.579	-6.579	-6.579	-6.579	-6.579	-6.579	-6.579
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	2.702	2.702	2.702	2.702	2.702	2.702	2.702
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.034	0.034	0.034	0.034	0.034	0.034	0.034
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.01	-0.02	-0.02	-0.03	-0.04	-0.05
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	2.701	2.701	2.701	2.701	2.701	2.701	2.701
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.035	0.035	0.035	0.035	0.035	0.035	0.035
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.01	-0.02	-0.02	-0.03	-0.04	-0.05
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-2.864	-2.864	-2.864	-2.864	-2.864	-2.864	-2.864
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.02	0.03	0.04	0.05	0.06
		Mz	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01
	TB-450 - B2	N	-2.867	-2.867	-2.867	-2.867	-2.867	-2.867	-2.867
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.02	0.03	0.04	0.05	0.06
		Mz	0.00	0.00	0.00	0.00	0.01	0.01	0.01
	TB-450 - C1	N	-5.331	-5.331	-5.331	-5.331	-5.331	-5.331	-5.331
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.02	0.05	0.07	0.09	0.11	0.14
		Mz	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01
	TB-450 - C2	N	-5.336	-5.336	-5.336	-5.336	-5.336	-5.336	-5.336
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.02	0.05	0.07	0.09	0.11	0.14
		Mz	0.00	0.00	0.00	0.01	0.01	0.01	0.01
	TB-450 - D1	N	-5.696	-5.696	-5.696	-5.696	-5.696	-5.696	-5.696
		Vy	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vz	0.177	0.177	0.177	0.177	0.177	0.177	0.177
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.04	-0.08	-0.12	-0.15	-0.19	-0.23
		Mz	0.00	0.00	-0.01	-0.01	-0.01	-0.02	-0.02
	TB-450 - D2	N	-5.704	-5.704	-5.704	-5.704	-5.704	-5.704	-5.704
		Vy	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
		Vz	0.177	0.177	0.177	0.177	0.177	0.177	0.177
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.04	-0.08	-0.12	-0.15	-0.19	-0.23
		Mz	0.00	0.00	0.01	0.01	0.01	0.02	0.02
	TB-450 - E1	N	2.999	2.999	2.999	2.999	2.999	2.999	2.999
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.02	0.03	0.04	0.05	0.07
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
N191/N36	Peso próprio	N	2.665	2.669	2.673	2.677	2.681	2.685	2.689
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-0.054	-0.014	0.026	0.066	0.106	0.146	0.186
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.23	0.24	0.23	0.22	0.21	0.18	0.14
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-8.252	-8.252	-8.252	-8.252	-8.252	-8.252	-8.252
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-4.642	-4.642	-4.642	-4.642	-4.642	-4.642	-4.642
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
	RECAPEAMENTO	N	-2.110	-2.110	-2.110	-2.110	-2.110	-2.110	-2.110
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.656	-0.656	-0.656	-0.656	-0.656	-0.656	-0.656
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vy	-0.227	-0.227	-0.227	-0.227	-0.227	-0.227	-0.227
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.30	0.35	0.40	0.45	0.50	0.54	0.59
	Vento 180	N	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vy	0.232	0.232	0.232	0.232	0.232	0.232	0.232
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	-0.30	-0.35	-0.40	-0.45	-0.50	-0.55	-0.60
	Multidão - Passeio	N	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135	-0.135
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-6.579	-6.579	-6.579	-6.579	-6.579	-6.579	-6.579
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	2.702	2.702	2.702	2.702	2.702	2.702	2.702
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.034	0.034	0.034	0.034	0.034	0.034	0.034
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.05	-0.05	-0.06	-0.07	-0.08	-0.08	-0.09
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	2.701	2.701	2.701	2.701	2.701	2.701	2.701
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.035	0.035	0.035	0.035	0.035	0.035	0.035
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.05	-0.05	-0.06	-0.07	-0.08	-0.08	-0.09
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-2.864	-2.864	-2.864	-2.864	-2.864	-2.864	-2.864

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HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.06	0.08	0.09	0.10	0.11	0.12	0.13
		Mz	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02
	TB-450 - B2	N	-2.867	-2.867	-2.867	-2.867	-2.867	-2.867	-2.867
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.06	0.08	0.09	0.10	0.11	0.12	0.13
		Mz	0.01	0.01	0.01	0.01	0.02	0.02	0.02
	TB-450 - C1	N	-5.331	-5.331	-5.331	-5.331	-5.331	-5.331	-5.331
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.14	0.16	0.18	0.21	0.23	0.25	0.27
		Mz	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02
	TB-450 - C2	N	-5.336	-5.336	-5.336	-5.336	-5.336	-5.336	-5.336
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.14	0.16	0.18	0.21	0.23	0.25	0.27
		Mz	0.01	0.01	0.01	0.02	0.02	0.02	0.02
	TB-450 - D1	N	-5.696	-5.696	-5.696	-5.696	-5.696	-5.696	-5.696
		Vy	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vz	0.177	0.177	0.177	0.177	0.177	0.177	0.177
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.23	-0.27	-0.31	-0.35	-0.39	-0.42	-0.46
		Mz	-0.02	-0.02	-0.02	-0.03	-0.03	-0.03	-0.04
	TB-450 - D2	N	-5.704	-5.704	-5.704	-5.704	-5.704	-5.704	-5.704
		Vy	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
		Vz	0.177	0.177	0.177	0.177	0.177	0.177	0.177
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.23	-0.27	-0.31	-0.35	-0.39	-0.42	-0.46
		Mz	0.02	0.02	0.03	0.03	0.03	0.03	0.04
	TB-450 - E1	N	2.999	2.999	2.999	2.999	2.999	2.999	2.999
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.07	0.08	0.09	0.10	0.11	0.12	0.13
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
N34/N190	Peso próprio	N	2.100	2.104	2.108	2.112	2.116	2.120	2.124
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-0.168	-0.128	-0.088	-0.048	-0.008	0.032	0.072
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.03	0.06	0.07	0.08	0.07	0.06
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	-6.211	-6.211	-6.211	-6.211	-6.211	-6.211	-6.211
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.031	0.031	0.031	0.031	0.031	0.031	0.031
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.01	-0.01	-0.02	-0.03	-0.03	-0.04
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-3.497	-3.497	-3.497	-3.497	-3.497	-3.497	-3.497
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.017	0.017	0.017	0.017	0.017	0.017	0.017
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	-0.01	-0.01	-0.01	-0.02	-0.02
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-1.589	-1.589	-1.589	-1.589	-1.589	-1.589	-1.589
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.484	-0.484	-0.484	-0.484	-0.484	-0.484	-0.484
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-10.290	-10.290	-10.290	-10.290	-10.290	-10.290	-10.290
		Vy	-0.121	-0.121	-0.121	-0.121	-0.121	-0.121	-0.121
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.03	0.05	0.08	0.11	0.13	0.16
	Vento 180	N	-9.701	-9.701	-9.701	-9.701	-9.701	-9.701	-9.701
		Vy	0.114	0.114	0.114	0.114	0.114	0.114	0.114
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	-0.02	-0.05	-0.07	-0.10	-0.12	-0.15
	Multidão - Passeio	N	-0.073	-0.073	-0.073	-0.073	-0.073	-0.073	-0.073
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-4.992	-4.992	-4.992	-4.992	-4.992	-4.992	-4.992

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.021	0.021	0.021	0.021	0.021	0.021	0.021
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	-0.01	-0.01	-0.02	-0.02	-0.03
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	1.490	1.490	1.490	1.490	1.490	1.490	1.490
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.034	0.034	0.034	0.034	0.034	0.034	0.034
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.01	-0.01	-0.02	-0.03	-0.04	-0.04
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	1.488	1.488	1.488	1.488	1.488	1.488	1.488
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.034	0.034	0.034	0.034	0.034	0.034	0.034
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.01	-0.01	-0.02	-0.03	-0.04	-0.04
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-2.507	-2.507	-2.507	-2.507	-2.507	-2.507	-2.507
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.02	0.03	0.04	0.05	0.05
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-2.510	-2.510	-2.510	-2.510	-2.510	-2.510	-2.510
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.02	0.03	0.04	0.05	0.05
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-4.674	-4.674	-4.674	-4.674	-4.674	-4.674	-4.674
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	-0.076	-0.076	-0.076	-0.076	-0.076	-0.076	-0.076
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.02	0.03	0.05	0.07	0.08	0.10
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-4.680	-4.680	-4.680	-4.680	-4.680	-4.680	-4.680
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-0.076	-0.076	-0.076	-0.076	-0.076	-0.076	-0.076
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.02	0.03	0.05	0.07	0.08	0.10
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-4.731	-4.731	-4.731	-4.731	-4.731	-4.731	-4.731
		Vy	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vz	0.042	0.042	0.042	0.042	0.042	0.042	0.042
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.01	-0.02	-0.03	-0.04	-0.05	-0.05
		Mz	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01
	TB-450 - D2	N	-4.740	-4.740	-4.740	-4.740	-4.740	-4.740	-4.740
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
		Vz	0.042	0.042	0.042	0.042	0.042	0.042	0.042
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.01	-0.02	-0.03	-0.04	-0.05	-0.05
		Mz	0.00	0.00	0.00	0.00	0.01	0.01	0.01
	TB-450 - E1	N	2.240	2.240	2.240	2.240	2.240	2.240	2.240
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	0.070	0.070	0.070	0.070	0.070	0.070	0.070
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.02	-0.03	-0.05	-0.06	-0.08	-0.09
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
N190/N35	Peso próprio	N	2.124	2.128	2.132	2.136	2.140	2.144	2.148
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	0.072	0.112	0.153	0.193	0.233	0.273	0.313
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.06	0.04	0.01	-0.02	-0.07	-0.13	-0.19
		Mz	0.00	0.00	0.01	0.01	0.01	0.01	0.01
	LAJE	N	-6.211	-6.211	-6.211	-6.211	-6.211	-6.211	-6.211
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.031	0.031	0.031	0.031	0.031	0.031	0.031
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.04	-0.05	-0.05	-0.06	-0.07	-0.07	-0.08
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-3.497	-3.497	-3.497	-3.497	-3.497	-3.497	-3.497
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.017	0.017	0.017	0.017	0.017	0.017	0.017
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.02	-0.03	-0.03	-0.03	-0.04	-0.04	-0.04
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-1.589	-1.589	-1.589	-1.589	-1.589	-1.589	-1.589
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02	-0.02
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.484	-0.484	-0.484	-0.484	-0.484	-0.484	-0.484
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-10.290	-10.290	-10.290	-10.290	-10.290	-10.290	-10.290
		Vy	-0.121	-0.121	-0.121	-0.121	-0.121	-0.121	-0.121
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.16	0.18	0.21	0.24	0.26	0.29	0.32
	Vento 180	N	-9.701	-9.701	-9.701	-9.701	-9.701	-9.701	-9.701
		Vy	0.114	0.114	0.114	0.114	0.114	0.114	0.114
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	-0.15	-0.17	-0.20	-0.22	-0.25	-0.27	-0.30
	Multidão - Passeio	N	-0.073	-0.073	-0.073	-0.073	-0.073	-0.073	-0.073
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-4.992	-4.992	-4.992	-4.992	-4.992	-4.992	-4.992
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.021	0.021	0.021	0.021	0.021	0.021	0.021
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.03	-0.03	-0.04	-0.04	-0.05	-0.05	-0.06
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	1.490	1.490	1.490	1.490	1.490	1.490	1.490
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.034	0.034	0.034	0.034	0.034	0.034	0.034
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.04	-0.05	-0.06	-0.07	-0.07	-0.08	-0.09
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	1.488	1.488	1.488	1.488	1.488	1.488	1.488
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.034	0.034	0.034	0.034	0.034	0.034	0.034
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.04	-0.05	-0.06	-0.07	-0.07	-0.08	-0.09
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-2.507	-2.507	-2.507	-2.507	-2.507	-2.507	-2.507
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.05	0.06	0.07	0.08	0.09	0.10	0.11
		Mz	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
	TB-450 - B2	N	-2.510	-2.510	-2.510	-2.510	-2.510	-2.510	-2.510
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041	-0.041
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.05	0.06	0.07	0.08	0.09	0.10	0.11
		Mz	0.00	0.00	0.00	0.00	0.00	0.01	0.01

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
	TB-450 - C1	N	-4.674	-4.674	-4.674	-4.674	-4.674	-4.674	-4.674
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	-0.076	-0.076	-0.076	-0.076	-0.076	-0.076	-0.076
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.10	0.12	0.13	0.15	0.17	0.18	0.20
		Mz	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01
	TB-450 - C2	N	-4.680	-4.680	-4.680	-4.680	-4.680	-4.680	-4.680
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	-0.076	-0.076	-0.076	-0.076	-0.076	-0.076	-0.076
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.10	0.12	0.13	0.15	0.17	0.18	0.20
		Mz	0.00	0.00	0.00	0.01	0.01	0.01	0.01
	TB-450 - D1	N	-4.731	-4.731	-4.731	-4.731	-4.731	-4.731	-4.731
		Vy	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vz	0.042	0.042	0.042	0.042	0.042	0.042	0.042
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.05	-0.06	-0.07	-0.08	-0.09	-0.10	-0.11
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02
	TB-450 - D2	N	-4.740	-4.740	-4.740	-4.740	-4.740	-4.740	-4.740
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	0.042	0.042	0.042	0.042	0.042	0.042	0.042
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.05	-0.06	-0.07	-0.08	-0.09	-0.10	-0.11
		Mz	0.01	0.01	0.01	0.01	0.01	0.02	0.02
	TB-450 - E1	N	2.240	2.240	2.240	2.240	2.240	2.240	2.240
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	0.070	0.070	0.070	0.070	0.070	0.070	0.070
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.09	-0.11	-0.12	-0.14	-0.15	-0.17	-0.18
		Mz	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
N32/N189	Peso próprio	N	0.641	0.645	0.649	0.653	0.657	0.661	0.665
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	-0.059	-0.019	0.021	0.061	0.101	0.141	0.181
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.01	0.00	-0.02	-0.04	-0.08
		Mz	0.00	0.00	0.00	0.00	0.01	0.01	0.01
	LAJE	N	-2.261	-2.261	-2.261	-2.261	-2.261	-2.261	-2.261
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.057	0.057	0.057	0.057	0.057	0.057	0.057

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.01	-0.02	-0.04	-0.05	-0.06	-0.07
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-1.276	-1.276	-1.276	-1.276	-1.276	-1.276	-1.276
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.031	0.031	0.031	0.031	0.031	0.031	0.031
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.01	-0.01	-0.02	-0.03	-0.03	-0.04
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.580	-0.580	-0.580	-0.580	-0.580	-0.580	-0.580
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	-0.01	-0.01	-0.01	-0.02	-0.02
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.165	-0.165	-0.165	-0.165	-0.165	-0.165	-0.165
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-17.486	-17.486	-17.486	-17.486	-17.486	-17.486	-17.486
		Vy	-0.206	-0.206	-0.206	-0.206	-0.206	-0.206	-0.206
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.04	0.09	0.13	0.18	0.22	0.27
	Vento 180	N	-13.664	-13.664	-13.664	-13.664	-13.664	-13.664	-13.664
		Vy	0.161	0.161	0.161	0.161	0.161	0.161	0.161
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	-0.04	-0.07	-0.11	-0.14	-0.18	-0.21
	Multidão - Passeio	N	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-1.863	-1.863	-1.863	-1.863	-1.863	-1.863	-1.863
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.037	0.037	0.037	0.037	0.037	0.037	0.037
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.01	-0.02	-0.02	-0.03	-0.04	-0.05
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.270	0.270	0.270	0.270	0.270	0.270	0.270
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.033	0.033	0.033	0.033	0.033	0.033	0.033
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
		My	0.00	-0.01	-0.01	-0.02	-0.03	-0.04	-0.04
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.269	0.269	0.269	0.269	0.269	0.269	0.269
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.033	0.033	0.033	0.033	0.033	0.033	0.033
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.01	-0.01	-0.02	-0.03	-0.04	-0.04
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-1.134	-1.134	-1.134	-1.134	-1.134	-1.134	-1.134
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.02	0.02	0.03	0.04	0.05
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-1.138	-1.138	-1.138	-1.138	-1.138	-1.138	-1.138
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.02	0.02	0.03	0.04	0.05
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-2.137	-2.137	-2.137	-2.137	-2.137	-2.137	-2.137
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.03	0.04	0.06	0.07	0.08
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	-2.143	-2.143	-2.143	-2.143	-2.143	-2.143	-2.143
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.03	0.04	0.06	0.07	0.08
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	-2.897	-2.897	-2.897	-2.897	-2.897	-2.897	-2.897
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.02	0.04	0.05	0.06	0.07
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	-2.906	-2.906	-2.906	-2.906	-2.906	-2.906	-2.906
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.01	0.02	0.04	0.05	0.06	0.07
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.474	0.474	0.474	0.474	0.474	0.474	0.474
		Vy	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vz	0.170	0.170	0.170	0.170	0.170	0.170	0.170
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	-0.04	-0.07	-0.11	-0.15	-0.19	-0.22

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
		Mz	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
N189/N34	Peso próprio	N	0.665	0.669	0.673	0.677	0.681	0.685	0.689
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	0.181	0.221	0.261	0.301	0.341	0.382	0.422
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.08	-0.12	-0.18	-0.24	-0.31	-0.39	-0.47
		Mz	0.01	0.01	0.01	0.01	0.01	0.02	0.02
	LAJE	N	-2.261	-2.261	-2.261	-2.261	-2.261	-2.261	-2.261
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.057	0.057	0.057	0.057	0.057	0.057	0.057
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.07	-0.09	-0.10	-0.11	-0.12	-0.14	-0.15
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	-1.276	-1.276	-1.276	-1.276	-1.276	-1.276	-1.276
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.031	0.031	0.031	0.031	0.031	0.031	0.031
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.04	-0.05	-0.05	-0.06	-0.07	-0.08	-0.08
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	-0.580	-0.580	-0.580	-0.580	-0.580	-0.580	-0.580
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.02	-0.02	-0.02	-0.03	-0.03	-0.03	-0.04
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-0.165	-0.165	-0.165	-0.165	-0.165	-0.165	-0.165
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-17.486	-17.486	-17.486	-17.486	-17.486	-17.486	-17.486
		Vy	-0.206	-0.206	-0.206	-0.206	-0.206	-0.206	-0.206
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.27	0.31	0.36	0.40	0.45	0.49	0.54
	Vento 180	N	-13.664	-13.664	-13.664	-13.664	-13.664	-13.664	-13.664
		Vy	0.161	0.161	0.161	0.161	0.161	0.161	0.161

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	-0.21	-0.25	-0.28	-0.32	-0.35	-0.39	-0.42
	Multidão - Passeio	N	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-1.863	-1.863	-1.863	-1.863	-1.863	-1.863	-1.863
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.037	0.037	0.037	0.037	0.037	0.037	0.037
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.05	-0.06	-0.06	-0.07	-0.08	-0.09	-0.10
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.270	0.270	0.270	0.270	0.270	0.270	0.270
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.033	0.033	0.033	0.033	0.033	0.033	0.033
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.04	-0.05	-0.06	-0.07	-0.07	-0.08	-0.09
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.269	0.269	0.269	0.269	0.269	0.269	0.269
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.033	0.033	0.033	0.033	0.033	0.033	0.033
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.04	-0.05	-0.06	-0.07	-0.07	-0.08	-0.09
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	-1.134	-1.134	-1.134	-1.134	-1.134	-1.134	-1.134
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.05	0.05	0.06	0.07	0.08	0.08	0.09
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	-1.138	-1.138	-1.138	-1.138	-1.138	-1.138	-1.138
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.05	0.05	0.06	0.07	0.08	0.08	0.09
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	-2.137	-2.137	-2.137	-2.137	-2.137	-2.137	-2.137
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.08	0.10	0.11	0.13	0.14	0.15	0.17
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
	TB-450 - C2	N	-2.143	-2.143	-2.143	-2.143	-2.143	-2.143	-2.143
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.08	0.10	0.11	0.13	0.14	0.15	0.17
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	TB-450 - D1	N	-2.897	-2.897	-2.897	-2.897	-2.897	-2.897	-2.897
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.07	0.09	0.10	0.11	0.12	0.13	0.15
		Mz	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01
	TB-450 - D2	N	-2.906	-2.906	-2.906	-2.906	-2.906	-2.906	-2.906
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056	-0.056
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.07	0.09	0.10	0.11	0.12	0.13	0.15
		Mz	0.00	0.00	0.00	0.00	0.01	0.01	0.01
	TB-450 - E1	N	0.474	0.474	0.474	0.474	0.474	0.474	0.474
		Vy	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vz	0.170	0.170	0.170	0.170	0.170	0.170	0.170
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.22	-0.26	-0.30	-0.33	-0.37	-0.41	-0.45
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N219/N46	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	9.628	9.628	9.628	9.628	9.628	9.628	9.628	9.628	9.628
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N47/N220	Peso próprio	N	3.782	3.782	3.782	3.782	3.782	3.782	3.782	3.782	3.782
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	12.719	12.719	12.719	12.719	12.719	12.719	12.719	12.719	12.719
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.261	0.261	0.261	0.261	0.261	0.261	0.261	0.261	0.261
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.290	0.290	0.290	0.290	0.290	0.290	0.290	0.290	0.290
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N218/N48	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	24.560	24.560	24.560	24.560	24.560	24.560	24.560	24.560	24.560
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações										
Barra	Hipótese	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N49/N221	Peso próprio	N	4.547	4.547	4.547	4.547	4.547	4.547	4.547	4.547	4.547
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	2.691	2.691	2.691	2.691	2.691	2.691	2.691	2.691	2.691
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	1.468	1.468	1.468	1.468	1.468	1.468	1.468	1.468	1.468
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.362	0.362	0.362	0.362	0.362	0.362	0.362	0.362	0.362
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	20.818	20.818	20.818	20.818	20.818	20.818	20.818	20.818	20.818
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470	0.470
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	1.534	1.534	1.534	1.534	1.534	1.534	1.534	1.534	1.534
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.102
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
	TB-450 - B1	N	0.524	0.524	0.524	0.524	0.524	0.524	0.524	0.524	0.524
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295	0.295
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.705	0.705	0.705	0.705	0.705	0.705	0.705	0.705	0.705
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.503	0.503	0.503	0.503	0.503	0.503	0.503	0.503	0.503
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.270	0.270	0.270	0.270	0.270	0.270	0.270	0.270	0.270
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N221/N47	Peso próprio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Adib José Francisco Júnior
Resp. Técnico
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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	15.302	15.302	15.302	15.302	15.302	15.302	15.302	15.302	15.302
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Adib José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N48/N219	Peso próprio	N	4.247	4.247	4.247	4.247	4.247	4.247	4.247	4.247	4.247

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Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LAJE	N	2.006	2.006	2.006	2.006	2.006	2.006	2.006	2.006	2.006
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	PAVIMENTAÇÃO	N	1.094	1.094	1.094	1.094	1.094	1.094	1.094	1.094	1.094
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RECAPEAMENTO	N	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	0.270	0.270	0.270	0.270	0.270	0.270	0.270	0.270	0.270
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 180	N	15.299	15.299	15.299	15.299	15.299	15.299	15.299	15.299	15.299
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - Passeio	N	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350	0.350
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	1.143	1.143	1.143	1.143	1.143	1.143	1.143	1.143	1.143
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A1	N	0.156	0.156	0.156	0.156	0.156	0.156	0.156	0.156	0.156
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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HYDRA ENG. E SANEAMENTO LTDA.

Esforços em barras, por hipóteses/ações											
Barra	Hipótese	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - A2	N	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B1	N	0.425	0.425	0.425	0.425	0.425	0.425	0.425	0.425	0.425
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - B2	N	0.241	0.241	0.241	0.241	0.241	0.241	0.241	0.241	0.241
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C1	N	0.558	0.558	0.558	0.558	0.558	0.558	0.558	0.558	0.558
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - C2	N	0.390	0.390	0.390	0.390	0.390	0.390	0.390	0.390	0.390
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D1	N	0.483	0.483	0.483	0.483	0.483	0.483	0.483	0.483	0.483
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - D2	N	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E1	N	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N218/N235	Peso próprio	N	-116.636	-116.589	-116.542
		Vy	-0.280	-0.280	-0.280
		Vz	-348.481	-347.978	-347.475
		Mt	-1.42	-1.42	-1.42
		My	-42.03	1.49	44.96
		Mz	-0.19	-0.16	-0.12
	LAJE	N	-167.615	-167.615	-167.615
		Vy	0.154	0.154	0.154
		Vz	-513.451	-513.451	-513.451
		Mt	0.03	0.03	0.03
		My	-68.45	-4.27	59.91
		Mz	0.44	0.42	0.40
	PAVIMENTAÇÃO	N	-91.463	-91.463	-91.463
		Vy	0.084	0.084	0.084
		Vz	-280.177	-280.177	-280.177
		Mt	0.02	0.02	0.02
		My	-37.35	-2.33	32.69
		Mz	0.24	0.23	0.22
	RECAPEAMENTO	N	-41.574	-41.574	-41.574
		Vy	0.038	0.038	0.038
		Vz	-127.353	-127.353	-127.353
		Mt	0.01	0.01	0.01
		My	-16.98	-1.06	14.86
		Mz	0.11	0.10	0.10
	GUARDA-RODAS	N	-22.564	-22.564	-22.564
		Vy	0.021	0.021	0.021
		Vz	-69.121	-69.121	-69.121
		Mt	0.00	0.00	0.00
		My	-9.22	-0.58	8.06
		Mz	0.06	0.06	0.05
	Vento 0	N	-3.737	-3.737	-3.737
		Vy	10.354	10.354	10.354
		Vz	6.673	6.673	6.673
		Mt	19.83	19.83	19.83
		My	-1.19	-2.03	-2.86
		Mz	25.69	24.40	23.10
	Vento 180	N	-6.284	-6.284	-6.284
		Vy	-7.530	-7.643	-7.755
		Vz	-8.550	-8.550	-8.550
		Mt	-17.86	-17.86	-17.86
		My	0.51	1.58	2.65
		Mz	-19.35	-18.40	-17.44
	Multidão - Passeio	N	-29.281	-29.281	-29.281
		Vy	0.027	0.027	0.027
		Vz	-89.694	-89.694	-89.694
		Mt	0.00	0.00	0.00
		My	-11.96	-0.75	10.46
		Mz	0.08	0.07	0.07
	Multidão - TB450	N	-95.558	-95.558	-95.558

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	0.088	0.088	0.088
		Vz	-292.723	-292.723	-292.723
		Mt	0.02	0.02	0.02
		My	-39.02	-2.43	34.16
		Mz	0.25	0.24	0.23
	TB-450 - A1	N	-3.586	-3.586	-3.586
		Vy	-0.007	-0.007	-0.007
		Vz	-11.005	-11.005	-11.005
		Mt	-0.04	-0.04	-0.04
		My	-1.65	-0.27	1.11
		Mz	-0.01	-0.01	-0.01
	TB-450 - A2	N	-8.416	-8.416	-8.416
		Vy	0.023	0.023	0.023
		Vz	-25.885	-25.885	-25.885
		Mt	0.05	0.05	0.05
		My	-3.88	-0.64	2.59
		Mz	0.06	0.06	0.05
	TB-450 - B1	N	-10.532	-10.532	-10.532
		Vy	-0.015	-0.015	-0.015
		Vz	-32.339	-32.339	-32.339
		Mt	-0.06	-0.06	-0.06
		My	-4.82	-0.78	3.27
		Mz	-0.05	-0.04	-0.04
	TB-450 - B2	N	-24.738	-24.738	-24.738
		Vy	0.061	0.061	0.061
		Vz	-76.072	-76.072	-76.072
		Mt	0.07	0.07	0.07
		My	-11.37	-1.87	7.64
		Mz	0.18	0.17	0.16
	TB-450 - C1	N	-17.345	-17.345	-17.345
		Vy	0.003	0.003	0.003
		Vz	-53.295	-53.295	-53.295
		Mt	-0.07	-0.07	-0.07
		My	-7.93	-1.27	5.39
		Mz	-0.01	-0.01	-0.01
	TB-450 - C2	N	-40.879	-40.879	-40.879
		Vy	0.065	0.065	0.065
		Vz	-125.679	-125.679	-125.679
		Mt	0.09	0.09	0.09
		My	-18.75	-3.04	12.67
		Mz	0.20	0.19	0.19
	TB-450 - D1	N	-24.092	-24.092	-24.092
		Vy	0.030	0.030	0.030
		Vz	-74.330	-74.330	-74.330
		Mt	-0.04	-0.04	-0.04
		My	-10.48	-1.19	8.10
		Mz	0.05	0.05	0.04
	TB-450 - D2	N	-56.963	-56.963	-56.963
		Vy	0.043	0.043	0.043

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-175.736	-175.736	-175.736
		Mt	0.06	0.06	0.06
		My	-24.81	-2.85	19.12
		Mz	0.16	0.16	0.15
	TB-450 - E1	N	-21.116	-21.116	-21.116
		Vy	0.026	0.026	0.026
		Vz	-63.844	-63.844	-63.844
		Mt	-0.03	-0.03	-0.03
		My	-6.40	1.58	9.57
		Mz	0.05	0.05	0.05
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações								
Barra	Hipótese	Esforço	Posições na barra					
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N235/N222	Peso próprio	N	-160.177	-160.111	-160.044	-159.978	-159.911	-159.845	-159.778
		Vy	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058
		Vz	-25.610	-24.902	-24.193	-23.485	-22.777	-22.069	-21.360
		Mt	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
		My	-48.40	-43.96	-39.64	-35.44	-31.37	-27.43	-23.61
		Mz	-0.07	-0.06	-0.05	-0.04	-0.03	-0.02	-0.01
	LAJE	N	-244.255	-244.255	-244.255	-244.255	-244.255	-244.255	-244.255
		Vy	0.150	0.150	0.150	0.150	0.150	0.150	0.150
		Vz	-26.748	-26.748	-26.748	-26.748	-26.748	-26.748	-26.748
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-109.40	-104.69	-99.99	-95.28	-90.58	-85.87	-81.16
		Mz	0.40	0.38	0.35	0.32	0.30	0.27	0.24
	PAVIMENTAÇÃO	N	-133.283	-133.283	-133.283	-133.283	-133.283	-133.283	-133.283
		Vy	0.082	0.082	0.082	0.082	0.082	0.082	0.082
		Vz	-14.596	-14.596	-14.596	-14.596	-14.596	-14.596	-14.596
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-59.70	-57.13	-54.56	-51.99	-49.42	-46.86	-44.29
		Mz	0.22	0.21	0.19	0.18	0.16	0.15	0.13
	RECAPEAMENTO	N	-60.583	-60.583	-60.583	-60.583	-60.583	-60.583	-60.583
		Vy	0.037	0.037	0.037	0.037	0.037	0.037	0.037
		Vz	-6.634	-6.634	-6.634	-6.634	-6.634	-6.634	-6.634
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-27.13	-25.97	-24.80	-23.63	-22.47	-21.30	-20.13
		Mz	0.10	0.09	0.09	0.08	0.07	0.07	0.06
	GUARDA-RODAS	N	-32.882	-32.882	-32.882	-32.882	-32.882	-32.882	-32.882
		Vy	0.020	0.020	0.020	0.020	0.020	0.020	0.020
		Vz	-3.600	-3.600	-3.600	-3.600	-3.600	-3.600	-3.600
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-14.73	-14.10	-13.46	-12.83	-12.20	-11.56	-10.93
		Mz	0.05	0.05	0.05	0.04	0.04	0.04	0.03

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
	Vento 0	N	-2.313	-2.313	-2.313	-2.313	-2.313	-2.313	-2.313
		Vy	7.195	7.195	7.195	7.195	7.195	7.195	7.195
		Vz	-0.170	-0.170	-0.170	-0.170	-0.170	-0.170	-0.170
		Mt	0.61	0.61	0.61	0.61	0.61	0.61	0.61
		My	0.52	0.55	0.58	0.61	0.64	0.67	0.70
		Mz	22.63	21.37	20.10	18.83	17.57	16.30	15.04
	Vento 180	N	-7.971	-7.971	-7.971	-7.971	-7.971	-7.971	-7.971
		Vy	-4.925	-5.083	-5.242	-5.400	-5.558	-5.717	-5.875
		Vz	0.031	0.031	0.031	0.031	0.031	0.031	0.031
		Mt	-0.58	-0.58	-0.58	-0.58	-0.58	-0.58	-0.58
		My	-1.32	-1.32	-1.33	-1.33	-1.34	-1.35	-1.35
		Mz	-16.96	-16.08	-15.17	-14.24	-13.27	-12.28	-11.26
	Multidão - Passeio	N	-42.671	-42.671	-42.671	-42.671	-42.671	-42.671	-42.671
		Vy	0.026	0.026	0.026	0.026	0.026	0.026	0.026
		Vz	-4.671	-4.671	-4.671	-4.671	-4.671	-4.671	-4.671
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-19.12	-18.30	-17.48	-16.66	-15.83	-15.01	-14.19
		Mz	0.07	0.07	0.06	0.06	0.05	0.05	0.04
	Multidão - TB450	N	-139.248	-139.248	-139.248	-139.248	-139.248	-139.248	-139.248
		Vy	0.085	0.085	0.085	0.085	0.085	0.085	0.085
		Vz	-15.252	-15.252	-15.252	-15.252	-15.252	-15.252	-15.252
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-62.36	-59.67	-56.99	-54.30	-51.62	-48.94	-46.25
		Mz	0.23	0.21	0.20	0.18	0.17	0.15	0.14
	TB-450 - A1	N	-5.442	-5.442	-5.442	-5.442	-5.442	-5.442	-5.442
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.353	-0.353	-0.353	-0.353	-0.353	-0.353	-0.353
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.14	-3.08	-3.02	-2.95	-2.89	-2.83	-2.77
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - A2	N	-12.774	-12.774	-12.774	-12.774	-12.774	-12.774	-12.774
		Vy	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vz	-0.835	-0.835	-0.835	-0.835	-0.835	-0.835	-0.835
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-7.37	-7.22	-7.07	-6.93	-6.78	-6.63	-6.49
		Mz	0.05	0.05	0.05	0.04	0.04	0.04	0.03
	TB-450 - B1	N	-15.968	-15.968	-15.968	-15.968	-15.968	-15.968	-15.968
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	-1.048	-1.048	-1.048	-1.048	-1.048	-1.048	-1.048
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-9.16	-8.97	-8.79	-8.60	-8.42	-8.24	-8.05
		Mz	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
	TB-450 - B2	N	-37.530	-37.530	-37.530	-37.530	-37.530	-37.530	-37.530
		Vy	0.050	0.050	0.050	0.050	0.050	0.050	0.050
		Vz	-2.464	-2.464	-2.464	-2.464	-2.464	-2.464	-2.464
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-21.59	-21.16	-20.72	-20.29	-19.86	-19.42	-18.99
		Mz	0.16	0.15	0.14	0.14	0.13	0.12	0.11
	TB-450 - C1	N	-26.288	-26.288	-26.288	-26.288	-26.288	-26.288	-26.288
		Vy	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vz	-1.769	-1.769	-1.769	-1.769	-1.769	-1.769	-1.769
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		My	-15.04	-14.73	-14.42	-14.11	-13.80	-13.49	-13.17
		Mz	0.00	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02
	TB-450 - C2	N	-61.980	-61.980	-61.980	-61.980	-61.980	-61.980	-61.980
		Vy	0.052	0.052	0.052	0.052	0.052	0.052	0.052
		Vz	-4.170	-4.170	-4.170	-4.170	-4.170	-4.170	-4.170
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-35.54	-34.81	-34.08	-33.34	-32.61	-31.88	-31.14
		Mz	0.18	0.17	0.16	0.16	0.15	0.14	0.13
	TB-450 - D1	N	-36.088	-36.088	-36.088	-36.088	-36.088	-36.088	-36.088
		Vy	0.036	0.036	0.036	0.036	0.036	0.036	0.036
		Vz	-4.364	-4.364	-4.364	-4.364	-4.364	-4.364	-4.364
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-19.17	-18.41	-17.64	-16.87	-16.10	-15.33	-14.57
		Mz	0.04	0.04	0.03	0.02	0.02	0.01	0.01
	TB-450 - D2	N	-85.339	-85.339	-85.339	-85.339	-85.339	-85.339	-85.339
		Vy	0.035	0.035	0.035	0.035	0.035	0.035	0.035
		Vz	-10.325	-10.325	-10.325	-10.325	-10.325	-10.325	-10.325
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-45.40	-43.59	-41.77	-39.95	-38.14	-36.32	-34.50
		Mz	0.15	0.14	0.13	0.13	0.12	0.12	0.11
	TB-450 - E1	N	-27.935	-27.935	-27.935	-27.935	-27.935	-27.935	-27.935
		Vy	0.030	0.030	0.030	0.030	0.030	0.030	0.030
		Vz	-4.691	-4.691	-4.691	-4.691	-4.691	-4.691	-4.691
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.49	-2.67	-1.84	-1.02	-0.19	0.63	1.46
		Mz	0.05	0.05	0.04	0.03	0.03	0.02	0.02
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N222/N234	Peso próprio	N	-159.778	-159.712	-159.645	-159.579	-159.512	-159.446	-159.379
		Vy	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058
		Vz	-21.360	-20.652	-19.944	-19.236	-18.527	-17.819	-17.111
		Mt	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
		My	-23.61	-19.91	-16.34	-12.89	-9.57	-6.37	-3.30
		Mz	-0.01	0.00	0.01	0.02	0.03	0.04	0.05
	LAJE	N	-244.255	-244.255	-244.255	-244.255	-244.255	-244.255	-244.255
		Vy	0.150	0.150	0.150	0.150	0.150	0.150	0.150
		Vz	-26.748	-26.748	-26.748	-26.748	-26.748	-26.748	-26.748
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-81.16	-76.46	-71.75	-67.04	-62.34	-57.63	-52.92
		Mz	0.24	0.22	0.19	0.17	0.14	0.11	0.09
	PAVIMENTAÇÃO	N	-133.283	-133.283	-133.283	-133.283	-133.283	-133.283	-133.283
		Vy	0.082	0.082	0.082	0.082	0.082	0.082	0.082
		Vz	-14.596	-14.596	-14.596	-14.596	-14.596	-14.596	-14.596

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-44.29	-41.72	-39.15	-36.58	-34.01	-31.45	-28.88
		Mz	0.13	0.12	0.10	0.09	0.08	0.06	0.05
	RECAPEAMENTO	N	-60.583	-60.583	-60.583	-60.583	-60.583	-60.583	-60.583
		Vy	0.037	0.037	0.037	0.037	0.037	0.037	0.037
		Vz	-6.634	-6.634	-6.634	-6.634	-6.634	-6.634	-6.634
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-20.13	-18.96	-17.80	-16.63	-15.46	-14.29	-13.13
		Mz	0.06	0.05	0.05	0.04	0.03	0.03	0.02
	GUARDA-RODAS	N	-32.882	-32.882	-32.882	-32.882	-32.882	-32.882	-32.882
		Vy	0.020	0.020	0.020	0.020	0.020	0.020	0.020
		Vz	-3.600	-3.600	-3.600	-3.600	-3.600	-3.600	-3.600
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-10.93	-10.30	-9.66	-9.03	-8.40	-7.76	-7.13
		Mz	0.03	0.03	0.03	0.02	0.02	0.02	0.01
	Vento 0	N	-2.313	-2.313	-2.313	-2.313	-2.313	-2.313	-2.313
		Vy	7.195	7.195	7.195	7.195	7.195	7.195	7.195
		Vz	-0.170	-0.170	-0.170	-0.170	-0.170	-0.170	-0.170
		Mt	0.61	0.61	0.61	0.61	0.61	0.61	0.61
		My	0.70	0.73	0.76	0.79	0.82	0.85	0.88
		Mz	15.04	13.77	12.50	11.24	9.97	8.71	7.44
	Vento 180	N	-7.971	-7.971	-7.971	-7.971	-7.971	-7.971	-7.971
		Vy	-5.875	-6.033	-6.192	-6.350	-6.508	-6.667	-6.825
		Vz	0.031	0.031	0.031	0.031	0.031	0.031	0.031
		Mt	-0.58	-0.58	-0.58	-0.58	-0.58	-0.58	-0.58
		My	-1.35	-1.36	-1.36	-1.37	-1.37	-1.38	-1.38
		Mz	-11.26	-10.21	-9.14	-8.03	-6.90	-5.74	-4.56
	Multidão - Passeio	N	-42.671	-42.671	-42.671	-42.671	-42.671	-42.671	-42.671
		Vy	0.026	0.026	0.026	0.026	0.026	0.026	0.026
		Vz	-4.671	-4.671	-4.671	-4.671	-4.671	-4.671	-4.671
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-14.19	-13.37	-12.55	-11.72	-10.90	-10.08	-9.26
		Mz	0.04	0.04	0.03	0.03	0.02	0.02	0.02
	Multidão - TB450	N	-139.248	-139.248	-139.248	-139.248	-139.248	-139.248	-139.248
		Vy	0.085	0.085	0.085	0.085	0.085	0.085	0.085
		Vz	-15.252	-15.252	-15.252	-15.252	-15.252	-15.252	-15.252
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-46.25	-43.57	-40.89	-38.20	-35.52	-32.84	-30.15
		Mz	0.14	0.12	0.11	0.09	0.08	0.06	0.05
	TB-450 - A1	N	-5.442	-5.442	-5.442	-5.442	-5.442	-5.442	-5.442
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	-0.353	-0.353	-0.353	-0.353	-0.353	-0.353	-0.353
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.77	-2.71	-2.64	-2.58	-2.52	-2.46	-2.39
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - A2	N	-12.774	-12.774	-12.774	-12.774	-12.774	-12.774	-12.774
		Vy	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vz	-0.835	-0.835	-0.835	-0.835	-0.835	-0.835	-0.835
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-6.49	-6.34	-6.19	-6.05	-5.90	-5.75	-5.61
		Mz	0.03	0.03	0.03	0.03	0.02	0.02	0.02
	TB-450 - B1	N	-15.968	-15.968	-15.968	-15.968	-15.968	-15.968	-15.968

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	-1.048	-1.048	-1.048	-1.048	-1.048	-1.048	-1.048
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-8.05	-7.87	-7.68	-7.50	-7.31	-7.13	-6.95
		Mz	-0.04	-0.04	-0.03	-0.03	-0.03	-0.03	-0.03
	TB-450 - B2	N	-37.530	-37.530	-37.530	-37.530	-37.530	-37.530	-37.530
		Vy	0.050	0.050	0.050	0.050	0.050	0.050	0.050
		Vz	-2.464	-2.464	-2.464	-2.464	-2.464	-2.464	-2.464
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-18.99	-18.56	-18.12	-17.69	-17.25	-16.82	-16.39
		Mz	0.11	0.10	0.09	0.08	0.07	0.07	0.06
	TB-450 - C1	N	-26.288	-26.288	-26.288	-26.288	-26.288	-26.288	-26.288
		Vy	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		Vz	-1.769	-1.769	-1.769	-1.769	-1.769	-1.769	-1.769
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-13.17	-12.86	-12.55	-12.24	-11.93	-11.62	-11.31
		Mz	-0.02	-0.02	-0.02	-0.03	-0.03	-0.03	-0.03
	TB-450 - C2	N	-61.980	-61.980	-61.980	-61.980	-61.980	-61.980	-61.980
		Vy	0.052	0.052	0.052	0.052	0.052	0.052	0.052
		Vz	-4.170	-4.170	-4.170	-4.170	-4.170	-4.170	-4.170
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-31.14	-30.41	-29.68	-28.94	-28.21	-27.47	-26.74
		Mz	0.13	0.12	0.11	0.10	0.09	0.08	0.07
	TB-450 - D1	N	-36.088	-36.088	-36.088	-36.088	-36.088	-36.088	-36.088
		Vy	0.036	0.036	0.036	0.036	0.036	0.036	0.036
		Vz	-4.364	-4.364	-4.364	-4.364	-4.364	-4.364	-4.364
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-14.57	-13.80	-13.03	-12.26	-11.49	-10.73	-9.96
		Mz	0.01	0.00	-0.01	-0.01	-0.02	-0.03	-0.03
	TB-450 - D2	N	-85.339	-85.339	-85.339	-85.339	-85.339	-85.339	-85.339
		Vy	0.035	0.035	0.035	0.035	0.035	0.035	0.035
		Vz	-10.325	-10.325	-10.325	-10.325	-10.325	-10.325	-10.325
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-34.50	-32.69	-30.87	-29.05	-27.24	-25.42	-23.60
		Mz	0.11	0.10	0.10	0.09	0.09	0.08	0.07
	TB-450 - E1	N	-27.935	-27.935	-27.935	-27.935	-27.935	-27.935	-27.935
		Vy	0.030	0.030	0.030	0.030	0.030	0.030	0.030
		Vz	-4.691	-4.691	-4.691	-4.691	-4.691	-4.691	-4.691
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.46	2.28	3.11	3.94	4.76	5.59	6.41
		Mz	0.02	0.01	0.01	0.00	0.00	-0.01	-0.01
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N234/N221	Peso próprio	N	-200.069	-200.022	-199.975
		Vy	-0.052	-0.052	-0.052
		Vz	-156.525	-156.021	-155.518
		Mt	0.00	0.00	0.00
		My	-28.92	-9.38	10.09
		Mz	0.04	0.05	0.05
	LAJE	N	-333.340	-333.340	-333.340
		Vy	0.150	0.150	0.150
		Vz	-343.403	-343.403	-343.403
		Mt	0.00	0.00	0.00
		My	-103.69	-60.76	-17.84
		Mz	0.09	0.07	0.05
	PAVIMENTAÇÃO	N	-181.894	-181.894	-181.894
		Vy	0.082	0.082	0.082
		Vz	-187.384	-187.384	-187.384
		Mt	0.00	0.00	0.00
		My	-56.58	-33.16	-9.73
		Mz	0.05	0.04	0.03
	RECAPEAMENTO	N	-82.679	-82.679	-82.679
		Vy	0.037	0.037	0.037
		Vz	-85.174	-85.174	-85.174
		Mt	0.00	0.00	0.00
		My	-25.72	-15.07	-4.42
		Mz	0.02	0.02	0.01
	GUARDA-RODAS	N	-44.878	-44.878	-44.878
		Vy	0.020	0.020	0.020
		Vz	-46.238	-46.238	-46.238
		Mt	0.00	0.00	0.00
		My	-13.96	-8.18	-2.41
		Mz	0.01	0.01	0.01
	Vento 0	N	-0.809	-0.809	-0.809
		Vy	7.187	7.187	7.187
		Vz	5.147	5.147	5.147
		Mt	-0.03	-0.03	-0.03
		My	1.74	1.10	0.45
		Mz	7.62	6.73	5.83
	Vento 180	N	-9.923	-9.923	-9.923
		Vy	-6.806	-6.918	-7.031
		Vz	-6.917	-6.917	-6.917
		Mt	0.00	0.00	0.00
		My	-2.48	-1.61	-0.75
		Mz	-4.72	-3.86	-2.99
	Multidão - Passeio	N	-58.241	-58.241	-58.241
		Vy	0.026	0.026	0.026
		Vz	-60.014	-60.014	-60.014
		Mt	0.00	0.00	0.00
		My	-18.13	-10.63	-3.13
		Mz	0.02	0.01	0.01
	Multidão - TB450	N	-190.025	-190.025	-190.025

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	0.086	0.086	0.086
		Vz	-195.740	-195.740	-195.740
		Mt	0.00	0.00	0.00
		My	-59.09	-34.62	-10.15
		Mz	0.05	0.04	0.03
	TB-450 - A1	N	-7.996	-7.996	-7.996
		Vy	0.000	0.000	0.000
		Vz	-9.553	-9.553	-9.553
		Mt	0.00	0.00	0.00
		My	-3.78	-2.58	-1.39
		Mz	-0.01	-0.01	-0.01
	TB-450 - A2	N	-18.763	-18.763	-18.763
		Vy	0.016	0.016	0.016
		Vz	-22.408	-22.408	-22.408
		Mt	0.00	0.00	0.00
		My	-8.85	-6.05	-3.24
		Mz	0.02	0.02	0.01
	TB-450 - B1	N	-23.419	-23.419	-23.419
		Vy	-0.005	-0.005	-0.005
		Vz	-27.884	-27.884	-27.884
		Mt	0.00	0.00	0.00
		My	-10.98	-7.50	-4.01
		Mz	-0.03	-0.03	-0.03
	TB-450 - B2	N	-55.084	-55.084	-55.084
		Vy	0.050	0.050	0.050
		Vz	-65.691	-65.691	-65.691
		Mt	0.00	0.00	0.00
		My	-25.89	-17.68	-9.47
		Mz	0.06	0.05	0.04
	TB-450 - C1	N	-38.530	-38.530	-38.530
		Vy	0.015	0.015	0.015
		Vz	-45.858	-45.858	-45.858
		Mt	0.00	0.00	0.00
		My	-17.94	-12.20	-6.47
		Mz	-0.03	-0.04	-0.04
	TB-450 - C2	N	-90.890	-90.890	-90.890
		Vy	0.052	0.052	0.052
		Vz	-108.300	-108.300	-108.300
		Mt	0.00	0.00	0.00
		My	-42.39	-28.86	-15.32
		Mz	0.07	0.07	0.06
	TB-450 - D1	N	-51.770	-51.770	-51.770
		Vy	0.037	0.037	0.037
		Vz	-60.800	-60.800	-60.800
		Mt	0.00	0.00	0.00
		My	-18.40	-10.80	-3.20
		Mz	-0.03	-0.04	-0.04
	TB-450 - D2	N	-122.462	-122.462	-122.462
		Vy	0.035	0.035	0.035

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-143.931	-143.931	-143.931
		Mt	0.00	0.00	0.00
		My	-43.58	-25.59	-7.60
		Mz	0.07	0.07	0.07
	TB-450 - E1	N	-30.740	-30.740	-30.740
		Vy	0.031	0.031	0.031
		Vz	-12.918	-12.918	-12.918
		Mt	-0.01	-0.01	-0.01
		My	3.69	5.30	6.92
		Mz	-0.01	-0.02	-0.02
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N221/N233	Peso próprio	N	-197.935	-197.913	-197.892
		Vy	0.006	0.006	0.006
		Vz	-153.816	-153.584	-153.353
		Mt	0.00	0.00	0.00
		My	10.09	29.30	48.48
		Mz	0.05	0.05	0.05
	LAJE	N	-332.218	-332.218	-332.218
		Vy	0.028	0.028	0.028
		Vz	-343.403	-343.403	-343.403
		Mt	0.00	0.00	0.00
		My	-17.84	25.09	68.01
		Mz	0.05	0.05	0.04
	PAVIMENTAÇÃO	N	-181.282	-181.282	-181.282
		Vy	0.016	0.016	0.016
		Vz	-187.384	-187.384	-187.384
		Mt	0.00	0.00	0.00
		My	-9.73	13.69	37.11
		Mz	0.03	0.03	0.02
	RECAPEAMENTO	N	-82.401	-82.401	-82.401
		Vy	0.007	0.007	0.007
		Vz	-85.174	-85.174	-85.174
		Mt	0.00	0.00	0.00
		My	-4.42	6.22	16.87
		Mz	0.01	0.01	0.01
	GUARDA-RODAS	N	-44.727	-44.727	-44.727
		Vy	0.004	0.004	0.004
		Vz	-46.238	-46.238	-46.238
		Mt	0.00	0.00	0.00
		My	-2.41	3.37	9.15

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mz	0.01	0.01	0.01
	Vento 0	N	-7.159	-7.159	-7.159
		Vy	1.469	1.469	1.469
		Vz	5.147	5.147	5.147
		Mt	-0.03	-0.03	-0.03
		My	0.45	-0.19	-0.83
		Mz	5.83	5.64	5.46
	Vento 180	N	-1.283	-1.283	-1.283
		Vy	-0.016	-0.129	-0.241
		Vz	-6.917	-6.917	-6.917
		Mt	0.00	0.00	0.00
		My	-0.75	0.12	0.98
		Mz	-2.99	-2.98	-2.95
	Multidão - Passeio	N	-58.045	-58.045	-58.045
		Vy	0.005	0.005	0.005
		Vz	-60.014	-60.014	-60.014
		Mt	0.00	0.00	0.00
		My	-3.13	4.37	11.88
		Mz	0.01	0.01	0.01
	Multidão - TB450	N	-189.386	-189.386	-189.386
		Vy	0.016	0.016	0.016
		Vz	-195.740	-195.740	-195.740
		Mt	0.00	0.00	0.00
		My	-10.15	14.31	38.78
		Mz	0.03	0.03	0.02
	TB-450 - A1	N	-7.918	-7.918	-7.918
		Vy	0.001	0.001	0.001
		Vz	-9.553	-9.553	-9.553
		Mt	0.00	0.00	0.00
		My	-1.39	-0.19	1.00
		Mz	-0.01	-0.01	-0.01
	TB-450 - A2	N	-18.720	-18.720	-18.720
		Vy	0.002	0.002	0.002
		Vz	-22.408	-22.408	-22.408
		Mt	0.00	0.00	0.00
		My	-3.24	-0.44	2.36
		Mz	0.01	0.01	0.01
	TB-450 - B1	N	-23.201	-23.201	-23.201
		Vy	0.003	0.003	0.003
		Vz	-27.884	-27.884	-27.884
		Mt	0.00	0.00	0.00
		My	-4.01	-0.53	2.96
		Mz	-0.03	-0.03	-0.03
	TB-450 - B2	N	-54.960	-54.960	-54.960
		Vy	0.006	0.006	0.006
		Vz	-65.691	-65.691	-65.691
		Mt	0.00	0.00	0.00
		My	-9.47	-1.26	6.95
		Mz	0.04	0.04	0.04

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
	TB-450 - C1	N	-38.236	-38.236	-38.236
		Vy	0.009	0.009	0.009
		Vz	-45.858	-45.858	-45.858
		Mt	0.00	0.00	0.00
		My	-6.47	-0.74	4.99
		Mz	-0.04	-0.04	-0.04
	TB-450 - C2	N	-90.680	-90.680	-90.680
		Vy	0.005	0.005	0.005
		Vz	-108.300	-108.300	-108.300
		Mt	0.00	0.00	0.00
		My	-15.32	-1.78	11.76
		Mz	0.06	0.06	0.06
	TB-450 - D1	N	-51.493	-51.493	-51.493
		Vy	0.011	0.011	0.011
		Vz	-60.800	-60.800	-60.800
		Mt	0.00	0.00	0.00
		My	-3.20	4.40	12.00
		Mz	-0.04	-0.04	-0.04
	TB-450 - D2	N	-122.221	-122.221	-122.221
		Vy	0.002	0.002	0.002
		Vz	-143.931	-143.931	-143.931
		Mt	0.00	0.00	0.00
		My	-7.60	10.39	28.39
		Mz	0.07	0.07	0.06
	TB-450 - E1	N	-30.628	-30.628	-30.628
		Vy	0.006	0.006	0.006
		Vz	-12.918	-12.918	-12.918
		Mt	-0.01	-0.01	-0.01
		My	6.92	8.53	10.15
		Mz	-0.02	-0.02	-0.02
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N233/N223	Peso próprio	N	-212.282	-212.251	-212.221	-212.190	-212.159	-212.129	-212.098
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	-0.388	-0.062	0.264	0.591	0.917	1.243	1.570
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	23.16	23.20	23.18	23.10	22.97	22.78	22.53
		Mz	0.05	0.05	0.05	0.05	0.05	0.05	0.04
	LAJE	N	-366.050	-366.050	-366.050	-366.050	-366.050	-366.050	-366.050
		Vy	0.029	0.029	0.029	0.029	0.029	0.029	0.029
		Vz	-5.132	-5.132	-5.132	-5.132	-5.132	-5.132	-5.132

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.52	10.42	11.32	12.23	13.13	14.03	14.93
		Mz	0.04	0.04	0.03	0.03	0.02	0.02	0.01
	PAVIMENTAÇÃO	N	-199.743	-199.743	-199.743	-199.743	-199.743	-199.743	-199.743
		Vy	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vz	-2.800	-2.800	-2.800	-2.800	-2.800	-2.800	-2.800
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.19	5.69	6.18	6.67	7.16	7.66	8.15
		Mz	0.02	0.02	0.02	0.01	0.01	0.01	0.01
	RECAPEAMENTO	N	-90.792	-90.792	-90.792	-90.792	-90.792	-90.792	-90.792
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	-1.273	-1.273	-1.273	-1.273	-1.273	-1.273	-1.273
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.36	2.58	2.81	3.03	3.26	3.48	3.70
		Mz	0.01	0.01	0.01	0.01	0.01	0.00	0.00
	GUARDA-RODAS	N	-49.282	-49.282	-49.282	-49.282	-49.282	-49.282	-49.282
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	-0.692	-0.692	-0.692	-0.692	-0.692	-0.692	-0.692
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.28	1.40	1.52	1.64	1.77	1.89	2.01
		Mz	0.01	0.01	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-6.592	-6.592	-6.592	-6.592	-6.592	-6.592	-6.592
		Vy	1.467	1.467	1.467	1.467	1.467	1.467	1.467
		Vz	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.20	0.21	0.22	0.23	0.24	0.25	0.26
		Mz	5.47	5.21	4.95	4.69	4.43	4.17	3.92
	Vento 180	N	-2.026	-2.026	-2.026	-2.026	-2.026	-2.026	-2.026
		Vy	-0.237	-0.396	-0.554	-0.712	-0.871	-1.029	-1.187
		Vz	0.040	0.040	0.040	0.040	0.040	0.040	0.040
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.35	-0.35	-0.36	-0.37	-0.38	-0.38	-0.39
		Mz	-2.96	-2.90	-2.82	-2.71	-2.57	-2.40	-2.20
	Multidão - Passeio	N	-63.957	-63.957	-63.957	-63.957	-63.957	-63.957	-63.957
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	-0.898	-0.898	-0.898	-0.898	-0.898	-0.898	-0.898
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.65	1.81	1.97	2.13	2.29	2.44	2.60
		Mz	0.01	0.01	0.01	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-208.670	-208.670	-208.670	-208.670	-208.670	-208.670	-208.670
		Vy	0.017	0.017	0.017	0.017	0.017	0.017	0.017
		Vz	-2.923	-2.923	-2.923	-2.923	-2.923	-2.923	-2.923
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.44	5.95	6.47	6.98	7.49	8.01	8.52
		Mz	0.02	0.02	0.02	0.02	0.01	0.01	0.01
	TB-450 - A1	N	-8.914	-8.914	-8.914	-8.914	-8.914	-8.914	-8.914
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.75	-0.74	-0.73	-0.72	-0.71	-0.70	-0.69
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - A2	N	-21.057	-21.057	-21.057	-21.057	-21.057	-21.057	-21.057

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-0.132	-0.132	-0.132	-0.132	-0.132	-0.132	-0.132
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.75	-1.72	-1.70	-1.68	-1.65	-1.63	-1.61
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - B1	N	-26.110	-26.110	-26.110	-26.110	-26.110	-26.110	-26.110
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	-0.163	-0.163	-0.163	-0.163	-0.163	-0.163	-0.163
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.15	-2.12	-2.09	-2.06	-2.03	-2.00	-1.97
		Mz	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
	TB-450 - B2	N	-61.812	-61.812	-61.812	-61.812	-61.812	-61.812	-61.812
		Vy	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vz	-0.392	-0.392	-0.392	-0.392	-0.392	-0.392	-0.392
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.08	-5.01	-4.94	-4.87	-4.80	-4.73	-4.67
		Mz	0.04	0.04	0.04	0.04	0.04	0.04	0.04
	TB-450 - C1	N	-42.994	-42.994	-42.994	-42.994	-42.994	-42.994	-42.994
		Vy	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vz	-0.491	-0.491	-0.491	-0.491	-0.491	-0.491	-0.491
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.37	-3.28	-3.20	-3.11	-3.02	-2.94	-2.85
		Mz	-0.04	-0.04	-0.04	-0.04	-0.05	-0.05	-0.05
	TB-450 - C2	N	-101.915	-101.915	-101.915	-101.915	-101.915	-101.915	-101.915
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	-1.171	-1.171	-1.171	-1.171	-1.171	-1.171	-1.171
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-7.98	-7.78	-7.57	-7.37	-7.16	-6.95	-6.75
		Mz	0.06	0.06	0.06	0.06	0.06	0.05	0.05
	TB-450 - D1	N	-57.190	-57.190	-57.190	-57.190	-57.190	-57.190	-57.190
		Vy	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Vz	-2.882	-2.882	-2.882	-2.882	-2.882	-2.882	-2.882
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.27	2.78	3.29	3.79	4.30	4.81	5.31
		Mz	-0.04	-0.05	-0.05	-0.05	-0.05	-0.05	-0.06
	TB-450 - D2	N	-135.704	-135.704	-135.704	-135.704	-135.704	-135.704	-135.704
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-6.839	-6.839	-6.839	-6.839	-6.839	-6.839	-6.839
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.37	6.57	7.77	8.98	10.18	11.38	12.59
		Mz	0.06	0.06	0.06	0.06	0.06	0.06	0.06
	TB-450 - E1	N	-31.740	-31.740	-31.740	-31.740	-31.740	-31.740	-31.740
		Vy	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vz	1.260	1.260	1.260	1.260	1.260	1.260	1.260
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.34	8.12	7.90	7.67	7.45	7.23	7.01
		Mz	-0.02	-0.02	-0.02	-0.02	-0.02	-0.03	-0.03
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N223/N232	Peso próprio	N	-212.098	-212.067	-212.037	-212.006	-211.975	-211.945	-211.914
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	1.570	1.896	2.223	2.549	2.875	3.202	3.528
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	22.53	22.23	21.87	21.45	20.97	20.43	19.84
		Mz	0.04	0.04	0.04	0.04	0.04	0.04	0.04
	LAJE	N	-366.050	-366.050	-366.050	-366.050	-366.050	-366.050	-366.050
		Vy	0.029	0.029	0.029	0.029	0.029	0.029	0.029
		Vz	-5.132	-5.132	-5.132	-5.132	-5.132	-5.132	-5.132
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.93	15.84	16.74	17.64	18.55	19.45	20.35
		Mz	0.01	0.01	0.00	0.00	-0.01	-0.01	-0.02
	PAVIMENTAÇÃO	N	-199.743	-199.743	-199.743	-199.743	-199.743	-199.743	-199.743
		Vy	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		Vz	-2.800	-2.800	-2.800	-2.800	-2.800	-2.800	-2.800
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.15	8.64	9.14	9.63	10.12	10.61	11.11
		Mz	0.01	0.00	0.00	0.00	0.00	-0.01	-0.01
	RECAPEAMENTO	N	-90.792	-90.792	-90.792	-90.792	-90.792	-90.792	-90.792
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	-1.273	-1.273	-1.273	-1.273	-1.273	-1.273	-1.273
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.70	3.93	4.15	4.38	4.60	4.82	5.05
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-49.282	-49.282	-49.282	-49.282	-49.282	-49.282	-49.282
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	-0.692	-0.692	-0.692	-0.692	-0.692	-0.692	-0.692
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.01	2.13	2.25	2.37	2.50	2.62	2.74
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-6.592	-6.592	-6.592	-6.592	-6.592	-6.592	-6.592
		Vy	1.467	1.467	1.467	1.467	1.467	1.467	1.467
		Vz	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.26	0.28	0.29	0.30	0.31	0.32	0.33
		Mz	3.92	3.66	3.40	3.14	2.88	2.62	2.37
	Vento 180	N	-2.026	-2.026	-2.026	-2.026	-2.026	-2.026	-2.026
		Vy	-1.187	-1.346	-1.504	-1.662	-1.821	-1.979	-2.137
		Vz	0.040	0.040	0.040	0.040	0.040	0.040	0.040
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.39	-0.40	-0.40	-0.41	-0.42	-0.43	-0.43
		Mz	-2.20	-1.98	-1.73	-1.45	-1.15	-0.81	-0.45
	Multidão - Passeio	N	-63.957	-63.957	-63.957	-63.957	-63.957	-63.957	-63.957
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	-0.898	-0.898	-0.898	-0.898	-0.898	-0.898	-0.898
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		My	2.60	2.76	2.92	3.08	3.24	3.39	3.55
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-208.670	-208.670	-208.670	-208.670	-208.670	-208.670	-208.670
		Vy	0.017	0.017	0.017	0.017	0.017	0.017	0.017
		Vz	-2.923	-2.923	-2.923	-2.923	-2.923	-2.923	-2.923
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.52	9.04	9.55	10.07	10.58	11.09	11.61
		Mz	0.01	0.00	0.00	0.00	-0.01	-0.01	-0.01
	TB-450 - A1	N	-8.914	-8.914	-8.914	-8.914	-8.914	-8.914	-8.914
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.69	-0.68	-0.67	-0.66	-0.65	-0.64	-0.63
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - A2	N	-21.057	-21.057	-21.057	-21.057	-21.057	-21.057	-21.057
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		Vz	-0.132	-0.132	-0.132	-0.132	-0.132	-0.132	-0.132
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.61	-1.58	-1.56	-1.54	-1.51	-1.49	-1.47
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - B1	N	-26.110	-26.110	-26.110	-26.110	-26.110	-26.110	-26.110
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	-0.163	-0.163	-0.163	-0.163	-0.163	-0.163	-0.163
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.97	-1.95	-1.92	-1.89	-1.86	-1.83	-1.80
		Mz	-0.03	-0.03	-0.03	-0.03	-0.04	-0.04	-0.04
	TB-450 - B2	N	-61.812	-61.812	-61.812	-61.812	-61.812	-61.812	-61.812
		Vy	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vz	-0.392	-0.392	-0.392	-0.392	-0.392	-0.392	-0.392
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.67	-4.60	-4.53	-4.46	-4.39	-4.32	-4.25
		Mz	0.04	0.04	0.03	0.03	0.03	0.03	0.03
	TB-450 - C1	N	-42.994	-42.994	-42.994	-42.994	-42.994	-42.994	-42.994
		Vy	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vz	-0.491	-0.491	-0.491	-0.491	-0.491	-0.491	-0.491
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.85	-2.76	-2.68	-2.59	-2.50	-2.42	-2.33
		Mz	-0.05	-0.05	-0.05	-0.05	-0.05	-0.06	-0.06
	TB-450 - C2	N	-101.915	-101.915	-101.915	-101.915	-101.915	-101.915	-101.915
		Vy	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		Vz	-1.171	-1.171	-1.171	-1.171	-1.171	-1.171	-1.171
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-6.75	-6.54	-6.34	-6.13	-5.92	-5.72	-5.51
		Mz	0.05	0.05	0.05	0.05	0.05	0.05	0.05
	TB-450 - D1	N	-57.190	-57.190	-57.190	-57.190	-57.190	-57.190	-57.190
		Vy	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Vz	-2.882	-2.882	-2.882	-2.882	-2.882	-2.882	-2.882
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.31	5.82	6.33	6.84	7.34	7.85	8.36
		Mz	-0.06	-0.06	-0.06	-0.06	-0.06	-0.07	-0.07
	TB-450 - D2	N	-135.704	-135.704	-135.704	-135.704	-135.704	-135.704	-135.704
		Vy	0.002	0.002	0.002	0.002	0.002	0.002	0.002

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Esforços em barras, por hipóteses/ações								
Barra	Hipótese	Esforço	Posições na barra					
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Vz	-6.839	-6.839	-6.839	-6.839	-6.839	-6.839	-6.839
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	12.59	13.79	14.99	16.20	17.40	18.60	19.80
		Mz	0.06	0.06	0.06	0.06	0.06	0.06	0.06
	TB-450 - E1	N	-31.740	-31.740	-31.740	-31.740	-31.740	-31.740	-31.740
		Vy	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vz	1.260	1.260	1.260	1.260	1.260	1.260	1.260
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.01	6.79	6.57	6.34	6.12	5.90	5.68
		Mz	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N232/N219	Peso próprio	N	-239.192	-239.171	-239.149
		Vy	0.007	0.007	0.007
		Vz	-84.829	-84.597	-84.365
		Mt	0.00	0.00	0.00
		My	0.62	11.21	21.77
		Mz	0.04	0.03	0.03
	LAJE	N	-445.628	-445.628	-445.628
		Vy	0.030	0.030	0.030
		Vz	-273.383	-273.383	-273.383
		Mt	0.00	0.00	0.00
		My	-32.44	1.73	35.90
		Mz	-0.02	-0.02	-0.03
	PAVIMENTAÇÃO	N	-243.166	-243.166	-243.166
		Vy	0.017	0.017	0.017
		Vz	-149.175	-149.175	-149.175
		Mt	0.00	0.00	0.00
		My	-17.70	0.95	19.59
		Mz	-0.01	-0.01	-0.01
	RECAPEAMENTO	N	-110.530	-110.530	-110.530
		Vy	0.008	0.008	0.008
		Vz	-67.807	-67.807	-67.807
		Mt	0.00	0.00	0.00
		My	-8.05	0.43	8.91
		Mz	0.00	-0.01	-0.01
	GUARDA-RODAS	N	-59.997	-59.997	-59.997
		Vy	0.004	0.004	0.004
		Vz	-36.812	-36.812	-36.812
		Mt	0.00	0.00	0.00
		My	-4.37	0.23	4.83
		Mz	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
	Vento 0	N	-4.846	-4.846	-4.846
		Vy	1.466	1.466	1.466
		Vz	5.988	5.988	5.988
		Mt	-0.04	-0.04	-0.04
		My	1.40	0.65	-0.10
		Mz	2.38	2.20	2.02
	Vento 180	N	-4.271	-4.271	-4.271
		Vy	-2.133	-2.246	-2.358
		Vz	-7.705	-7.705	-7.705
		Mt	0.05	0.05	0.05
		My	-1.83	-0.87	0.10
		Mz	-0.46	-0.19	0.10
	Multidão - Passeio	N	-77.866	-77.866	-77.866
		Vy	0.005	0.005	0.005
		Vz	-47.784	-47.784	-47.784
		Mt	0.00	0.00	0.00
		My	-5.68	0.30	6.27
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	-254.027	-254.027	-254.027
		Vy	0.017	0.017	0.017
		Vz	-155.818	-155.818	-155.818
		Mt	0.00	0.00	0.00
		My	-18.48	0.99	20.47
		Mz	-0.01	-0.01	-0.01
	TB-450 - A1	N	-11.937	-11.937	-11.937
		Vy	0.001	0.001	0.001
		Vz	-10.440	-10.440	-10.440
		Mt	0.00	0.00	0.00
		My	-2.54	-1.24	0.07
		Mz	-0.01	-0.01	-0.01
	TB-450 - A2	N	-28.150	-28.150	-28.150
		Vy	0.002	0.002	0.002
		Vz	-24.493	-24.493	-24.493
		Mt	0.00	0.00	0.00
		My	-5.97	-2.90	0.16
		Mz	0.01	0.01	0.01
	TB-450 - B1	N	-34.929	-34.929	-34.929
		Vy	0.003	0.003	0.003
		Vz	-30.455	-30.455	-30.455
		Mt	0.00	0.00	0.00
		My	-7.39	-3.59	0.22
		Mz	-0.04	-0.04	-0.04
	TB-450 - B2	N	-82.594	-82.594	-82.594
		Vy	0.006	0.006	0.006
		Vz	-71.773	-71.773	-71.773
		Mt	0.00	0.00	0.00
		My	-17.43	-8.46	0.52
		Mz	0.03	0.03	0.03
	TB-450 - C1	N	-57.322	-57.322	-57.322

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	0.009	0.009	0.009
		Vz	-49.749	-49.749	-49.749
		Mt	0.00	0.00	0.00
		My	-11.37	-5.15	1.07
		Mz	-0.06	-0.06	-0.06
	TB-450 - C2	N	-135.758	-135.758	-135.758
		Vy	0.004	0.004	0.004
		Vz	-117.520	-117.520	-117.520
		Mt	0.00	0.00	0.00
		My	-26.85	-12.16	2.53
		Mz	0.05	0.05	0.05
	TB-450 - D1	N	-68.849	-68.849	-68.849
		Vy	0.012	0.012	0.012
		Vz	-41.678	-41.678	-41.678
		Mt	0.00	0.00	0.00
		My	0.46	5.67	10.88
		Mz	-0.07	-0.07	-0.07
	TB-450 - D2	N	-163.283	-163.283	-163.283
		Vy	0.003	0.003	0.003
		Vz	-98.599	-98.599	-98.599
		Mt	0.00	0.00	0.00
		My	1.13	13.46	25.78
		Mz	0.06	0.06	0.06
	TB-450 - E1	N	-30.316	-30.316	-30.316
		Vy	0.007	0.007	0.007
		Vz	7.260	7.260	7.260
		Mt	0.00	0.00	0.00
		My	5.97	5.06	4.15
		Mz	-0.03	-0.03	-0.03
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N219/N231	Peso próprio	N	-237.235	-237.213	-237.191
		Vy	0.033	0.033	0.033
		Vz	-82.663	-82.431	-82.199
		Mt	0.00	0.00	0.00
		My	21.77	32.09	42.38
		Mz	0.03	0.03	0.03
	LAJE	N	-444.644	-444.644	-444.644
		Vy	-0.047	-0.047	-0.047
		Vz	-273.383	-273.383	-273.383
		Mt	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		My	35.90	70.08	104.25
		Mz	-0.03	-0.02	-0.01
	PAVIMENTAÇÃO	N	-242.629	-242.629	-242.629
		Vy	-0.025	-0.025	-0.025
		Vz	-149.175	-149.175	-149.175
		Mt	0.00	0.00	0.00
		My	19.59	38.24	56.89
		Mz	-0.01	-0.01	-0.01
	RECAPEAMENTO	N	-110.286	-110.286	-110.286
		Vy	-0.012	-0.012	-0.012
		Vz	-67.807	-67.807	-67.807
		Mt	0.00	0.00	0.00
		My	8.91	17.38	25.86
		Mz	-0.01	-0.01	0.00
	GUARDA-RODAS	N	-59.865	-59.865	-59.865
		Vy	-0.006	-0.006	-0.006
		Vz	-36.812	-36.812	-36.812
		Mt	0.00	0.00	0.00
		My	4.83	9.43	14.04
		Mz	0.00	0.00	0.00
	Vento 0	N	-8.842	-8.842	-8.842
		Vy	0.295	0.295	0.295
		Vz	5.988	5.988	5.988
		Mt	-0.04	-0.04	-0.04
		My	-0.10	-0.84	-1.59
		Mz	2.02	1.98	1.94
	Vento 180	N	2.079	2.079	2.079
		Vy	1.608	1.496	1.383
		Vz	-7.705	-7.705	-7.705
		Mt	0.05	0.05	0.05
		My	0.10	1.06	2.02
		Mz	0.10	-0.10	-0.28
	Multidão - Passeio	N	-77.694	-77.694	-77.694
		Vy	-0.008	-0.008	-0.008
		Vz	-47.784	-47.784	-47.784
		Mt	0.00	0.00	0.00
		My	6.27	12.24	18.22
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	-253.467	-253.467	-253.467
		Vy	-0.027	-0.027	-0.027
		Vz	-155.818	-155.818	-155.818
		Mt	0.00	0.00	0.00
		My	20.47	39.95	59.43
		Mz	-0.01	-0.01	-0.01
	TB-450 - A1	N	-11.872	-11.872	-11.872
		Vy	-0.003	-0.003	-0.003
		Vz	-10.440	-10.440	-10.440
		Mt	0.00	0.00	0.00
		My	0.07	1.37	2.68

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mz	-0.01	-0.01	-0.01
	TB-450 - A2	N	-28.110	-28.110	-28.110
		Vy	-0.003	-0.003	-0.003
		Vz	-24.493	-24.493	-24.493
		Mt	0.00	0.00	0.00
		My	0.16	3.22	6.28
		Mz	0.01	0.01	0.01
	TB-450 - B1	N	-34.752	-34.752	-34.752
		Vy	-0.009	-0.009	-0.009
		Vz	-30.455	-30.455	-30.455
		Mt	0.00	0.00	0.00
		My	0.22	4.03	7.83
		Mz	-0.04	-0.04	-0.03
	TB-450 - B2	N	-82.478	-82.478	-82.478
		Vy	-0.007	-0.007	-0.007
		Vz	-71.773	-71.773	-71.773
		Mt	0.00	0.00	0.00
		My	0.52	9.49	18.46
		Mz	0.03	0.03	0.03
	TB-450 - C1	N	-57.089	-57.089	-57.089
		Vy	-0.012	-0.012	-0.012
		Vz	-49.749	-49.749	-49.749
		Mt	0.00	0.00	0.00
		My	1.07	7.29	13.51
		Mz	-0.06	-0.06	-0.06
	TB-450 - C2	N	-135.572	-135.572	-135.572
		Vy	-0.010	-0.010	-0.010
		Vz	-117.520	-117.520	-117.520
		Mt	0.00	0.00	0.00
		My	2.53	17.22	31.91
		Mz	0.05	0.05	0.05
	TB-450 - D1	N	-68.648	-68.648	-68.648
		Vy	-0.012	-0.012	-0.012
		Vz	-41.678	-41.678	-41.678
		Mt	0.00	0.00	0.00
		My	10.88	16.09	21.30
		Mz	-0.07	-0.07	-0.07
	TB-450 - D2	N	-163.106	-163.106	-163.106
		Vy	-0.007	-0.007	-0.007
		Vz	-98.599	-98.599	-98.599
		Mt	0.00	0.00	0.00
		My	25.78	38.11	50.43
		Mz	0.06	0.06	0.06
	TB-450 - E1	N	-30.242	-30.242	-30.242
		Vy	-0.006	-0.006	-0.006
		Vz	7.260	7.260	7.260
		Mt	0.00	0.00	0.00
		My	4.15	3.24	2.34
		Mz	-0.03	-0.03	-0.03

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N231/N224	Peso próprio	N	-245.195	-245.164	-245.133	-245.103	-245.072	-245.041	-245.011
		Vy	0.033	0.033	0.033	0.033	0.033	0.033	0.033
		Vz	1.418	1.744	2.071	2.397	2.723	3.050	3.376
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	27.37	27.09	26.75	26.36	25.91	25.40	24.83
		Mz	0.03	0.02	0.01	0.01	0.00	0.00	-0.01
	LAJE	N	-472.416	-472.416	-472.416	-472.416	-472.416	-472.416	-472.416
		Vy	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047
		Vz	4.893	4.893	4.893	4.893	4.893	4.893	4.893
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	55.19	54.32	53.46	52.60	51.74	50.88	50.02
		Mz	-0.01	-0.01	0.00	0.01	0.02	0.03	0.03
	PAVIMENTAÇÃO	N	-257.783	-257.783	-257.783	-257.783	-257.783	-257.783	-257.783
		Vy	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
		Vz	2.670	2.670	2.670	2.670	2.670	2.670	2.670
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	30.11	29.64	29.17	28.70	28.23	27.76	27.29
		Mz	-0.01	0.00	0.00	0.01	0.01	0.01	0.02
	RECAPEAMENTO	N	-117.174	-117.174	-117.174	-117.174	-117.174	-117.174	-117.174
		Vy	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Vz	1.214	1.214	1.214	1.214	1.214	1.214	1.214
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.69	13.47	13.26	13.05	12.83	12.62	12.41
		Mz	0.00	0.00	0.00	0.00	0.00	0.01	0.01
	GUARDA-RODAS	N	-63.604	-63.604	-63.604	-63.604	-63.604	-63.604	-63.604
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	0.659	0.659	0.659	0.659	0.659	0.659	0.659
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.43	7.31	7.20	7.08	6.97	6.85	6.73
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	-8.178	-8.178	-8.178	-8.178	-8.178	-8.178	-8.178
		Vy	0.273	0.273	0.273	0.273	0.273	0.273	0.273
		Vz	0.060	0.060	0.060	0.060	0.060	0.060	0.060
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-0.36	-0.37	-0.38	-0.39	-0.40	-0.41	-0.42
		Mz	1.96	1.91	1.86	1.82	1.77	1.72	1.67
	Vento 180	N	1.224	1.224	1.224	1.224	1.224	1.224	1.224
		Vy	1.327	1.169	1.010	0.852	0.694	0.535	0.377
		Vz	0.041	0.041	0.041	0.041	0.041	0.041	0.041
		Mt	0.08	0.08	0.08	0.08	0.08	0.08	0.08
		My	0.45	0.44	0.43	0.43	0.42	0.41	0.40

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Mz	-0.29	-0.51	-0.70	-0.86	-1.00	-1.11	-1.19
	Multidão - Passeio	N	-82.548	-82.548	-82.548	-82.548	-82.548	-82.548	-82.548
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	0.855	0.855	0.855	0.855	0.855	0.855	0.855
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.64	9.49	9.34	9.19	9.04	8.89	8.74
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	Multidão - TB450	N	-269.296	-269.296	-269.296	-269.296	-269.296	-269.296	-269.296
		Vy	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027
		Vz	2.789	2.789	2.789	2.789	2.789	2.789	2.789
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	31.46	30.97	30.48	29.99	29.50	29.01	28.51
		Mz	-0.01	0.00	0.00	0.01	0.01	0.02	0.02
	TB-450 - A1	N	-13.018	-13.018	-13.018	-13.018	-13.018	-13.018	-13.018
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	0.331	0.331	0.331	0.331	0.331	0.331	0.331
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.61	0.55	0.49	0.44	0.38	0.32	0.26
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - A2	N	-30.800	-30.800	-30.800	-30.800	-30.800	-30.800	-30.800
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	0.777	0.777	0.777	0.777	0.777	0.777	0.777
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.43	1.30	1.16	1.02	0.89	0.75	0.61
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - B1	N	-38.096	-38.096	-38.096	-38.096	-38.096	-38.096	-38.096
		Vy	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		Vz	0.934	0.934	0.934	0.934	0.934	0.934	0.934
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.80	1.64	1.48	1.31	1.15	0.98	0.82
		Mz	-0.04	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
	TB-450 - B2	N	-90.355	-90.355	-90.355	-90.355	-90.355	-90.355	-90.355
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	2.207	2.207	2.207	2.207	2.207	2.207	2.207
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.26	3.87	3.48	3.09	2.70	2.32	1.93
		Mz	0.03	0.03	0.03	0.04	0.04	0.04	0.04
	TB-450 - C1	N	-62.387	-62.387	-62.387	-62.387	-62.387	-62.387	-62.387
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	0.027	0.027	0.027	0.027	0.027	0.027	0.027
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.93	3.92	3.92	3.91	3.91	3.90	3.90
		Mz	-0.06	-0.06	-0.05	-0.05	-0.05	-0.05	-0.05
	TB-450 - C2	N	-148.081	-148.081	-148.081	-148.081	-148.081	-148.081	-148.081
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	0.062	0.062	0.062	0.062	0.062	0.062	0.062
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.29	9.28	9.27	9.26	9.25	9.24	9.23
		Mz	0.05	0.05	0.05	0.06	0.06	0.06	0.06
	TB-450 - D1	N	-72.283	-72.283	-72.283	-72.283	-72.283	-72.283	-72.283
		Vy	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Vz	0.293	0.293	0.293	0.293	0.293	0.293	0.293

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	15.35	15.29	15.24	15.19	15.14	15.09	15.04
		Mz	-0.07	-0.07	-0.06	-0.06	-0.06	-0.06	-0.06
	TB-450 - D2	N	-171.696	-171.696	-171.696	-171.696	-171.696	-171.696	-171.696
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	0.700	0.700	0.700	0.700	0.700	0.700	0.700
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	36.36	36.24	36.12	35.99	35.87	35.75	35.62
		Mz	0.06	0.06	0.06	0.06	0.07	0.07	0.07
	TB-450 - E1	N	-29.531	-29.531	-29.531	-29.531	-29.531	-29.531	-29.531
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	0.651	0.651	0.651	0.651	0.651	0.651	0.651
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.51	3.39	3.28	3.16	3.05	2.93	2.82
		Mz	-0.03	-0.03	-0.03	-0.03	-0.03	-0.02	-0.02
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N224/N230	Peso próprio	N	-245.011	-244.980	-244.949	-244.919	-244.888	-244.857	-244.827
		Vy	0.033	0.033	0.033	0.033	0.033	0.033	0.033
		Vz	3.376	3.702	4.029	4.355	4.682	5.008	5.334
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	24.83	24.21	23.53	22.79	22.00	21.15	20.24
		Mz	-0.01	-0.02	-0.02	-0.03	-0.03	-0.04	-0.04
	LAJE	N	-472.416	-472.416	-472.416	-472.416	-472.416	-472.416	-472.416
		Vy	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047	-0.047
		Vz	4.893	4.893	4.893	4.893	4.893	4.893	4.893
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	50.02	49.16	48.30	47.44	46.58	45.72	44.85
		Mz	0.03	0.04	0.05	0.06	0.07	0.08	0.08
	PAVIMENTAÇÃO	N	-257.783	-257.783	-257.783	-257.783	-257.783	-257.783	-257.783
		Vy	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
		Vz	2.670	2.670	2.670	2.670	2.670	2.670	2.670
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	27.29	26.82	26.36	25.89	25.42	24.95	24.48
		Mz	0.02	0.02	0.03	0.03	0.04	0.04	0.05
	RECAPEAMENTO	N	-117.174	-117.174	-117.174	-117.174	-117.174	-117.174	-117.174
		Vy	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Vz	1.214	1.214	1.214	1.214	1.214	1.214	1.214
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	12.41	12.19	11.98	11.77	11.55	11.34	11.13
		Mz	0.01	0.01	0.01	0.01	0.02	0.02	0.02
	GUARDA-RODAS	N	-63.604	-63.604	-63.604	-63.604	-63.604	-63.604	-63.604
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Vz	0.659	0.659	0.659	0.659	0.659	0.659	0.659
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.73	6.62	6.50	6.39	6.27	6.15	6.04
		Mz	0.00	0.01	0.01	0.01	0.01	0.01	0.01
	Vento 0	N	-8.178	-8.178	-8.178	-8.178	-8.178	-8.178	-8.178
		Vy	0.273	0.273	0.273	0.273	0.273	0.273	0.273
		Vz	0.060	0.060	0.060	0.060	0.060	0.060	0.060
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-0.42	-0.43	-0.44	-0.45	-0.46	-0.47	-0.48
		Mz	1.67	1.62	1.58	1.53	1.48	1.43	1.38
	Vento 180	N	1.224	1.224	1.224	1.224	1.224	1.224	1.224
		Vy	0.377	0.218	0.060	-0.098	-0.257	-0.415	-0.573
		Vz	0.041	0.041	0.041	0.041	0.041	0.041	0.041
		Mt	0.08	0.08	0.08	0.08	0.08	0.08	0.08
		My	0.40	0.40	0.39	0.38	0.38	0.37	0.36
		Mz	-1.19	-1.24	-1.27	-1.26	-1.23	-1.17	-1.09
	Multidão - Passeio	N	-82.548	-82.548	-82.548	-82.548	-82.548	-82.548	-82.548
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	0.855	0.855	0.855	0.855	0.855	0.855	0.855
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.74	8.59	8.44	8.29	8.14	7.99	7.84
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	Multidão - TB450	N	-269.296	-269.296	-269.296	-269.296	-269.296	-269.296	-269.296
		Vy	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027
		Vz	2.789	2.789	2.789	2.789	2.789	2.789	2.789
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	28.51	28.02	27.53	27.04	26.55	26.06	25.57
		Mz	0.02	0.02	0.03	0.03	0.04	0.04	0.05
	TB-450 - A1	N	-13.018	-13.018	-13.018	-13.018	-13.018	-13.018	-13.018
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	0.331	0.331	0.331	0.331	0.331	0.331	0.331
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.26	0.20	0.14	0.09	0.03	-0.03	-0.09
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - A2	N	-30.800	-30.800	-30.800	-30.800	-30.800	-30.800	-30.800
		Vy	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
		Vz	0.777	0.777	0.777	0.777	0.777	0.777	0.777
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.61	0.48	0.34	0.20	0.07	-0.07	-0.21
		Mz	0.01	0.01	0.02	0.02	0.02	0.02	0.02
	TB-450 - B1	N	-38.096	-38.096	-38.096	-38.096	-38.096	-38.096	-38.096
		Vy	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		Vz	0.934	0.934	0.934	0.934	0.934	0.934	0.934
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.82	0.65	0.49	0.33	0.16	0.00	-0.17
		Mz	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
	TB-450 - B2	N	-90.355	-90.355	-90.355	-90.355	-90.355	-90.355	-90.355
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	2.207	2.207	2.207	2.207	2.207	2.207	2.207
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.93	1.54	1.15	0.76	0.37	-0.01	-0.40
		Mz	0.04	0.04	0.04	0.04	0.05	0.05	0.05

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Esforços em barras, por hipóteses/ações								
Barra	Hipótese	Esforço	Posições na barra					
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
	TB-450 - C1	N	-62.387	-62.387	-62.387	-62.387	-62.387	-62.387	-62.387
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	0.027	0.027	0.027	0.027	0.027	0.027	0.027
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.90	3.89	3.89	3.89	3.88	3.88	3.87
		Mz	-0.05	-0.04	-0.04	-0.04	-0.04	-0.04	-0.03
	TB-450 - C2	N	-148.081	-148.081	-148.081	-148.081	-148.081	-148.081	-148.081
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	0.062	0.062	0.062	0.062	0.062	0.062	0.062
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.23	9.21	9.20	9.19	9.18	9.17	9.16
		Mz	0.06	0.06	0.07	0.07	0.07	0.07	0.07
	TB-450 - D1	N	-72.283	-72.283	-72.283	-72.283	-72.283	-72.283	-72.283
		Vy	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Vz	0.293	0.293	0.293	0.293	0.293	0.293	0.293
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	15.04	14.98	14.93	14.88	14.83	14.78	14.73
		Mz	-0.06	-0.05	-0.05	-0.05	-0.05	-0.04	-0.04
	TB-450 - D2	N	-171.696	-171.696	-171.696	-171.696	-171.696	-171.696	-171.696
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	0.700	0.700	0.700	0.700	0.700	0.700	0.700
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	35.62	35.50	35.38	35.25	35.13	35.01	34.88
		Mz	0.07	0.07	0.07	0.07	0.07	0.07	0.08
	TB-450 - E1	N	-29.531	-29.531	-29.531	-29.531	-29.531	-29.531	-29.531
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	0.651	0.651	0.651	0.651	0.651	0.651	0.651
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.82	2.70	2.59	2.48	2.36	2.25	2.13
		Mz	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N230/N220	Peso próprio	N	-258.844	-258.822	-258.800
		Vy	0.033	0.033	0.033
		Vz	-39.832	-39.600	-39.369
		Mt	0.00	0.00	0.00
		My	11.16	16.13	21.06
		Mz	-0.04	-0.05	-0.05
	LAJE	N	-523.103	-523.103	-523.103
		Vy	-0.046	-0.046	-0.046
		Vz	-163.491	-163.491	-163.491
		Mt	0.00	0.00	0.00
		My	10.92	31.35	51.79

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mz	0.08	0.09	0.10
	PAVIMENTAÇÃO	N	-285.442	-285.442	-285.442
		Vy	-0.025	-0.025	-0.025
		Vz	-89.213	-89.213	-89.213
		Mt	0.00	0.00	0.00
		My	5.96	17.11	28.26
		Mz	0.05	0.05	0.05
	RECAPEAMENTO	N	-129.746	-129.746	-129.746
		Vy	-0.011	-0.011	-0.011
		Vz	-40.551	-40.551	-40.551
		Mt	0.00	0.00	0.00
		My	2.71	7.78	12.85
		Mz	0.02	0.02	0.02
	GUARDA-RODAS	N	-70.428	-70.428	-70.428
		Vy	-0.006	-0.006	-0.006
		Vz	-22.010	-22.010	-22.010
		Mt	0.00	0.00	0.00
		My	1.47	4.22	6.97
		Mz	0.01	0.01	0.01
	Vento 0	N	-6.384	-6.384	-6.384
		Vy	0.273	0.273	0.273
		Vz	6.269	6.269	6.269
		Mt	-0.14	-0.14	-0.14
		My	0.58	-0.21	-0.99
		Mz	1.44	1.40	1.37
	Vento 180	N	-1.098	-1.098	-1.098
		Vy	-3.366	-3.479	-3.591
		Vz	-7.976	-7.976	-7.976
		Mt	0.11	0.11	0.11
		My	-1.04	-0.04	0.96
		Mz	-1.11	-0.68	-0.24
	Multidão - Passeio	N	-91.403	-91.403	-91.403
		Vy	-0.008	-0.008	-0.008
		Vz	-28.561	-28.561	-28.561
		Mt	0.00	0.00	0.00
		My	1.91	5.48	9.05
		Mz	0.01	0.02	0.02
	Multidão - TB450	N	-298.192	-298.192	-298.192
		Vy	-0.026	-0.026	-0.026
		Vz	-93.205	-93.205	-93.205
		Mt	0.00	0.00	0.00
		My	6.23	17.88	29.53
		Mz	0.05	0.05	0.05
	TB-450 - A1	N	-16.151	-16.151	-16.151
		Vy	-0.003	-0.003	-0.003
		Vz	-10.413	-10.413	-10.413
		Mt	0.00	0.00	0.00
		My	-2.05	-0.75	0.55
		Mz	-0.01	-0.01	-0.01

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
	TB-450 - A2	N	-38.166	-38.166	-38.166
		Vy	-0.003	-0.003	-0.003
		Vz	-24.488	-24.488	-24.488
		Mt	0.00	0.00	0.00
		My	-4.82	-1.76	1.30
		Mz	0.02	0.02	0.02
	TB-450 - B1	N	-47.248	-47.248	-47.248
		Vy	-0.009	-0.009	-0.009
		Vz	-30.463	-30.463	-30.463
		Mt	0.00	0.00	0.00
		My	-5.88	-2.08	1.73
		Mz	-0.02	-0.02	-0.02
	TB-450 - B2	N	-111.899	-111.899	-111.899
		Vy	-0.008	-0.008	-0.008
		Vz	-71.699	-71.699	-71.699
		Mt	0.00	0.00	0.00
		My	-13.87	-4.90	4.06
		Mz	0.05	0.05	0.05
	TB-450 - C1	N	-75.974	-75.974	-75.974
		Vy	-0.011	-0.011	-0.011
		Vz	-46.626	-46.626	-46.626
		Mt	0.00	0.00	0.00
		My	-4.45	1.38	7.21
		Mz	-0.03	-0.03	-0.03
	TB-450 - C2	N	-180.134	-180.134	-180.134
		Vy	-0.011	-0.011	-0.011
		Vz	-109.983	-109.983	-109.983
		Mt	0.00	0.00	0.00
		My	-10.47	3.28	17.03
		Mz	0.08	0.08	0.08
	TB-450 - D1	N	-72.440	-72.440	-72.440
		Vy	-0.012	-0.012	-0.012
		Vz	2.285	2.285	2.285
		Mt	0.00	0.00	0.00
		My	13.36	13.07	12.79
		Mz	-0.04	-0.04	-0.04
	TB-450 - D2	N	-171.978	-171.978	-171.978
		Vy	-0.007	-0.007	-0.007
		Vz	5.741	5.741	5.741
		Mt	0.00	0.00	0.00
		My	31.69	30.97	30.25
		Mz	0.08	0.08	0.08
	TB-450 - E1	N	-26.756	-26.756	-26.756
		Vy	-0.006	-0.006	-0.006
		Vz	10.182	10.182	10.182
		Mt	0.00	0.00	0.00
		My	3.94	2.67	1.39
		Mz	-0.02	-0.02	-0.02
	TB-450 - E2	N	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N220/N229	Peso próprio	N	-257.080	-257.058	-257.036
		Vy	0.008	0.008	0.008
		Vz	-37.667	-37.435	-37.203
		Mt	0.00	0.00	0.00
		My	21.06	25.76	30.42
		Mz	-0.05	-0.05	-0.05
	LAJE	N	-523.121	-523.121	-523.121
		Vy	0.087	0.087	0.087
		Vz	-163.491	-163.491	-163.491
		Mt	0.00	0.00	0.00
		My	51.79	72.23	92.66
		Mz	0.10	0.09	0.07
	PAVIMENTAÇÃO	N	-285.452	-285.452	-285.452
		Vy	0.048	0.048	0.048
		Vz	-89.213	-89.213	-89.213
		Mt	0.00	0.00	0.00
		My	28.26	39.41	50.56
		Mz	0.05	0.05	0.04
	RECAPEAMENTO	N	-129.751	-129.751	-129.751
		Vy	0.022	0.022	0.022
		Vz	-40.551	-40.551	-40.551
		Mt	0.00	0.00	0.00
		My	12.85	17.91	22.98
		Mz	0.02	0.02	0.02
	GUARDA-RODAS	N	-70.431	-70.431	-70.431
		Vy	0.012	0.012	0.012
		Vz	-22.010	-22.010	-22.010
		Mt	0.00	0.00	0.00
		My	6.97	9.72	12.47
		Mz	0.01	0.01	0.01
	Vento 0	N	-11.604	-11.604	-11.604
		Vy	7.377	7.377	7.377
		Vz	6.269	6.269	6.269
		Mt	-0.14	-0.14	-0.14
		My	-0.99	-1.77	-2.56
		Mz	1.37	0.45	-0.48
	Vento 180	N	4.180	4.180	4.180
		Vy	-1.332	-1.444	-1.557
		Vz	-7.976	-7.976	-7.976
		Mt	0.11	0.11	0.11

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		My	0.96	1.95	2.95
		Mz	-0.24	-0.06	0.13
	Multidão - Passeio	N	-91.406	-91.406	-91.406
		Vy	0.015	0.015	0.015
		Vz	-28.561	-28.561	-28.561
		Mt	0.00	0.00	0.00
		My	9.05	12.62	16.19
		Mz	0.02	0.01	0.01
	Multidão - TB450	N	-298.202	-298.202	-298.202
		Vy	0.050	0.050	0.050
		Vz	-93.205	-93.205	-93.205
		Mt	0.00	0.00	0.00
		My	29.53	41.18	52.83
		Mz	0.05	0.05	0.04
	TB-450 - A1	N	-16.109	-16.109	-16.109
		Vy	-0.025	-0.025	-0.025
		Vz	-10.413	-10.413	-10.413
		Mt	0.00	0.00	0.00
		My	0.55	1.86	3.16
		Mz	-0.01	0.00	0.00
	TB-450 - A2	N	-38.193	-38.193	-38.193
		Vy	0.036	0.036	0.036
		Vz	-24.488	-24.488	-24.488
		Mt	0.00	0.00	0.00
		My	1.30	4.37	7.43
		Mz	0.02	0.01	0.01
	TB-450 - B1	N	-47.139	-47.139	-47.139
		Vy	-0.075	-0.075	-0.075
		Vz	-30.463	-30.463	-30.463
		Mt	0.00	0.00	0.00
		My	1.73	5.54	9.35
		Mz	-0.02	-0.01	0.00
	TB-450 - B2	N	-111.983	-111.983	-111.983
		Vy	0.105	0.105	0.105
		Vz	-71.699	-71.699	-71.699
		Mt	0.00	0.00	0.00
		My	4.06	13.02	21.98
		Mz	0.05	0.04	0.03
	TB-450 - C1	N	-75.836	-75.836	-75.836
		Vy	-0.123	-0.123	-0.123
		Vz	-46.626	-46.626	-46.626
		Mt	0.00	0.00	0.00
		My	7.21	13.04	18.87
		Mz	-0.03	-0.02	0.00
	TB-450 - C2	N	-180.280	-180.280	-180.280
		Vy	0.164	0.164	0.164
		Vz	-109.983	-109.983	-109.983
		Mt	0.00	0.00	0.00
		My	17.03	30.78	44.53

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mz	0.08	0.06	0.04
	TB-450 - D1	N	-72.398	-72.398	-72.398
		Vy	-0.087	-0.087	-0.087
		Vz	2.285	2.285	2.285
		Mt	0.00	0.00	0.00
		My	12.79	12.50	12.22
		Mz	-0.04	-0.03	-0.02
	TB-450 - D2	N	-172.145	-172.145	-172.145
		Vy	0.124	0.124	0.124
		Vz	5.741	5.741	5.741
		Mt	0.00	0.00	0.00
		My	30.25	29.53	28.82
		Mz	0.08	0.06	0.05
	TB-450 - E1	N	-26.788	-26.788	-26.788
		Vy	-0.030	-0.030	-0.030
		Vz	10.182	10.182	10.182
		Mt	0.00	0.00	0.00
		My	1.39	0.12	-1.15
		Mz	-0.02	-0.01	-0.01
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N229/N225	Peso próprio	N	-259.865	-259.835	-259.804	-259.773	-259.743	-259.712	-259.681
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	3.073	3.399	3.726	4.052	4.379	4.705	5.031
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.63	25.06	24.43	23.75	23.00	22.20	21.35
		Mz	-0.05	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06
	LAJE	N	-538.936	-538.936	-538.936	-538.936	-538.936	-538.936	-538.936
		Vy	0.087	0.087	0.087	0.087	0.087	0.087	0.087
		Vz	13.261	13.261	13.261	13.261	13.261	13.261	13.261
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	66.58	64.25	61.92	59.58	57.25	54.92	52.58
		Mz	0.07	0.06	0.04	0.03	0.01	0.00	-0.02
	PAVIMENTAÇÃO	N	-294.082	-294.082	-294.082	-294.082	-294.082	-294.082	-294.082
		Vy	0.047	0.047	0.047	0.047	0.047	0.047	0.047
		Vz	7.236	7.236	7.236	7.236	7.236	7.236	7.236
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	36.33	35.06	33.79	32.51	31.24	29.97	28.69
		Mz	0.04	0.03	0.02	0.02	0.01	0.00	-0.01
	RECAPEAMENTO	N	-133.673	-133.673	-133.673	-133.673	-133.673	-133.673	-133.673
		Vy	0.022	0.022	0.022	0.022	0.022	0.022	0.022
		Vz	3.289	3.289	3.289	3.289	3.289	3.289	3.289

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	16.51	15.94	15.36	14.78	14.20	13.62	13.04
		Mz	0.02	0.01	0.01	0.01	0.00	0.00	0.00
	GUARDA-RODAS	N	-72.560	-72.560	-72.560	-72.560	-72.560	-72.560	-72.560
		Vy	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Vz	1.786	1.786	1.786	1.786	1.786	1.786	1.786
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.96	8.65	8.33	8.02	7.71	7.39	7.08
		Mz	0.01	0.01	0.01	0.00	0.00	0.00	0.00
	Vento 0	N	-11.014	-11.014	-11.014	-11.014	-11.014	-11.014	-11.014
		Vy	7.365	7.365	7.365	7.365	7.365	7.365	7.365
		Vz	0.056	0.056	0.056	0.056	0.056	0.056	0.056
		Mt	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		My	-1.55	-1.56	-1.57	-1.58	-1.59	-1.60	-1.61
		Mz	-0.44	-1.73	-3.03	-4.32	-5.62	-6.91	-8.21
	Vento 180	N	3.390	3.390	3.390	3.390	3.390	3.390	3.390
		Vy	-4.294	-4.452	-4.610	-4.769	-4.927	-5.085	-5.244
		Vz	0.078	0.078	0.078	0.078	0.078	0.078	0.078
		Mt	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		My	1.58	1.57	1.55	1.54	1.52	1.51	1.50
		Mz	0.09	0.86	1.65	2.48	3.33	4.21	5.12
	Multidão - Passeio	N	-94.169	-94.169	-94.169	-94.169	-94.169	-94.169	-94.169
		Vy	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vz	2.318	2.318	2.318	2.318	2.318	2.318	2.318
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.63	11.22	10.82	10.41	10.00	9.59	9.18
		Mz	0.01	0.01	0.01	0.01	0.00	0.00	0.00
	Multidão - TB450	N	-307.219	-307.219	-307.219	-307.219	-307.219	-307.219	-307.219
		Vy	0.050	0.050	0.050	0.050	0.050	0.050	0.050
		Vz	7.557	7.557	7.557	7.557	7.557	7.557	7.557
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	37.96	36.63	35.30	33.97	32.64	31.31	29.98
		Mz	0.04	0.03	0.03	0.02	0.01	0.00	-0.01
	TB-450 - A1	N	-17.268	-17.268	-17.268	-17.268	-17.268	-17.268	-17.268
		Vy	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024
		Vz	0.801	0.801	0.801	0.801	0.801	0.801	0.801
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.13	0.98	0.84	0.70	0.56	0.42	0.28
		Mz	0.00	0.00	0.01	0.01	0.02	0.02	0.03
	TB-450 - A2	N	-40.919	-40.919	-40.919	-40.919	-40.919	-40.919	-40.919
		Vy	0.035	0.035	0.035	0.035	0.035	0.035	0.035
		Vz	1.883	1.883	1.883	1.883	1.883	1.883	1.883
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.65	2.31	1.98	1.65	1.32	0.99	0.66
		Mz	0.01	0.00	0.00	-0.01	-0.01	-0.02	-0.03
	TB-450 - B1	N	-50.504	-50.504	-50.504	-50.504	-50.504	-50.504	-50.504
		Vy	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069
		Vz	2.110	2.110	2.110	2.110	2.110	2.110	2.110
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.44	3.07	2.70	2.33	1.95	1.58	1.21
		Mz	0.00	0.01	0.03	0.04	0.05	0.06	0.07
	TB-450 - B2	N	-119.905	-119.905	-119.905	-119.905	-119.905	-119.905	-119.905

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Vy	0.099	0.099	0.099	0.099	0.099	0.099	0.099
		Vz	4.985	4.985	4.985	4.985	4.985	4.985	4.985
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.07	7.20	6.32	5.44	4.56	3.69	2.81
		Mz	0.03	0.01	-0.01	-0.02	-0.04	-0.06	-0.08
	TB-450 - C1	N	-80.294	-80.294	-80.294	-80.294	-80.294	-80.294	-80.294
		Vy	-0.115	-0.115	-0.115	-0.115	-0.115	-0.115	-0.115
		Vz	0.582	0.582	0.582	0.582	0.582	0.582	0.582
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.38	11.27	11.17	11.07	10.97	10.86	10.76
		Mz	0.00	0.02	0.04	0.06	0.08	0.10	0.12
	TB-450 - C2	N	-190.791	-190.791	-190.791	-190.791	-190.791	-190.791	-190.791
		Vy	0.156	0.156	0.156	0.156	0.156	0.156	0.156
		Vz	1.375	1.375	1.375	1.375	1.375	1.375	1.375
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	26.87	26.63	26.38	26.14	25.90	25.66	25.42
		Mz	0.04	0.01	-0.02	-0.04	-0.07	-0.10	-0.13
	TB-450 - D1	N	-71.821	-71.821	-71.821	-71.821	-71.821	-71.821	-71.821
		Vy	-0.083	-0.083	-0.083	-0.083	-0.083	-0.083	-0.083
		Vz	2.567	2.567	2.567	2.567	2.567	2.567	2.567
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.57	13.12	12.67	12.22	11.77	11.31	10.86
		Mz	-0.02	0.00	0.01	0.02	0.04	0.05	0.07
	TB-450 - D2	N	-170.748	-170.748	-170.748	-170.748	-170.748	-170.748	-170.748
		Vy	0.120	0.120	0.120	0.120	0.120	0.120	0.120
		Vz	6.081	6.081	6.081	6.081	6.081	6.081	6.081
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	32.09	31.02	29.95	28.88	27.81	26.74	25.67
		Mz	0.05	0.03	0.01	-0.01	-0.04	-0.06	-0.08
	TB-450 - E1	N	-25.645	-25.645	-25.645	-25.645	-25.645	-25.645	-25.645
		Vy	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.94	0.94	0.94	0.94	0.94	0.94	0.94
		Mz	-0.01	0.00	0.00	0.01	0.01	0.02	0.02
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N225/N228	Peso próprio	N	-259.681	-259.651	-259.620	-259.590	-259.559	-259.528	-259.498
		Vy	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		Vz	5.031	5.358	5.684	6.010	6.337	6.663	6.989
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	21.35	20.43	19.46	18.43	17.35	16.20	15.00
		Mz	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
	LAJE	N	-538.936	-538.936	-538.936	-538.936	-538.936	-538.936	-538.936
		Vy	0.087	0.087	0.087	0.087	0.087	0.087	0.087
		Vz	13.261	13.261	13.261	13.261	13.261	13.261	13.261
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	52.58	50.25	47.92	45.58	43.25	40.92	38.58
		Mz	-0.02	-0.03	-0.05	-0.06	-0.08	-0.09	-0.11
	PAVIMENTAÇÃO	N	-294.082	-294.082	-294.082	-294.082	-294.082	-294.082	-294.082
		Vy	0.047	0.047	0.047	0.047	0.047	0.047	0.047
		Vz	7.236	7.236	7.236	7.236	7.236	7.236	7.236
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	28.69	27.42	26.15	24.87	23.60	22.33	21.05
		Mz	-0.01	-0.02	-0.03	-0.03	-0.04	-0.05	-0.06
	RECAPEAMENTO	N	-133.673	-133.673	-133.673	-133.673	-133.673	-133.673	-133.673
		Vy	0.022	0.022	0.022	0.022	0.022	0.022	0.022
		Vz	3.289	3.289	3.289	3.289	3.289	3.289	3.289
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.04	12.46	11.88	11.31	10.73	10.15	9.57
		Mz	0.00	-0.01	-0.01	-0.02	-0.02	-0.02	-0.03
	GUARDA-RODAS	N	-72.560	-72.560	-72.560	-72.560	-72.560	-72.560	-72.560
		Vy	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Vz	1.786	1.786	1.786	1.786	1.786	1.786	1.786
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.08	6.76	6.45	6.14	5.82	5.51	5.19
		Mz	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
	Vento 0	N	-11.014	-11.014	-11.014	-11.014	-11.014	-11.014	-11.014
		Vy	7.365	7.365	7.365	7.365	7.365	7.365	7.365
		Vz	0.056	0.056	0.056	0.056	0.056	0.056	0.056
		Mt	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		My	-1.61	-1.62	-1.63	-1.64	-1.65	-1.66	-1.67
		Mz	-8.21	-9.51	-10.80	-12.10	-13.39	-14.69	-15.99
	Vento 180	N	3.390	3.390	3.390	3.390	3.390	3.390	3.390
		Vy	-5.244	-5.402	-5.560	-5.719	-5.877	-6.036	-6.194
		Vz	0.078	0.078	0.078	0.078	0.078	0.078	0.078
		Mt	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		My	1.50	1.48	1.47	1.46	1.44	1.43	1.41
		Mz	5.12	6.06	7.02	8.01	9.03	10.08	11.16
	Multidão - Passeio	N	-94.169	-94.169	-94.169	-94.169	-94.169	-94.169	-94.169
		Vy	0.015	0.015	0.015	0.015	0.015	0.015	0.015
		Vz	2.318	2.318	2.318	2.318	2.318	2.318	2.318
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.18	8.78	8.37	7.96	7.55	7.14	6.74
		Mz	0.00	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02
	Multidão - TB450	N	-307.219	-307.219	-307.219	-307.219	-307.219	-307.219	-307.219
		Vy	0.050	0.050	0.050	0.050	0.050	0.050	0.050
		Vz	7.557	7.557	7.557	7.557	7.557	7.557	7.557
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	29.98	28.65	27.32	25.99	24.66	23.33	22.00
		Mz	-0.01	-0.02	-0.03	-0.04	-0.04	-0.05	-0.06
	TB-450 - A1	N	-17.268	-17.268	-17.268	-17.268	-17.268	-17.268	-17.268
		Vy	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024
		Vz	0.801	0.801	0.801	0.801	0.801	0.801	0.801
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		My	0.28	0.14	0.00	-0.14	-0.28	-0.42	-0.57
		Mz	0.03	0.03	0.03	0.04	0.04	0.05	0.05
	TB-450 - A2	N	-40.919	-40.919	-40.919	-40.919	-40.919	-40.919	-40.919
		Vy	0.035	0.035	0.035	0.035	0.035	0.035	0.035
		Vz	1.883	1.883	1.883	1.883	1.883	1.883	1.883
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.66	0.33	-0.01	-0.34	-0.67	-1.00	-1.33
		Mz	-0.03	-0.03	-0.04	-0.05	-0.05	-0.06	-0.06
	TB-450 - B1	N	-50.504	-50.504	-50.504	-50.504	-50.504	-50.504	-50.504
		Vy	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069
		Vz	2.110	2.110	2.110	2.110	2.110	2.110	2.110
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.21	0.84	0.47	0.10	-0.27	-0.64	-1.02
		Mz	0.07	0.09	0.10	0.11	0.12	0.13	0.15
	TB-450 - B2	N	-119.905	-119.905	-119.905	-119.905	-119.905	-119.905	-119.905
		Vy	0.099	0.099	0.099	0.099	0.099	0.099	0.099
		Vz	4.985	4.985	4.985	4.985	4.985	4.985	4.985
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.81	1.93	1.06	0.18	-0.70	-1.58	-2.45
		Mz	-0.08	-0.09	-0.11	-0.13	-0.15	-0.16	-0.18
	TB-450 - C1	N	-80.294	-80.294	-80.294	-80.294	-80.294	-80.294	-80.294
		Vy	-0.115	-0.115	-0.115	-0.115	-0.115	-0.115	-0.115
		Vz	0.582	0.582	0.582	0.582	0.582	0.582	0.582
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	10.76	10.66	10.56	10.45	10.35	10.25	10.15
		Mz	0.12	0.14	0.16	0.18	0.20	0.22	0.24
	TB-450 - C2	N	-190.791	-190.791	-190.791	-190.791	-190.791	-190.791	-190.791
		Vy	0.156	0.156	0.156	0.156	0.156	0.156	0.156
		Vz	1.375	1.375	1.375	1.375	1.375	1.375	1.375
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.42	25.17	24.93	24.69	24.45	24.21	23.96
		Mz	-0.13	-0.15	-0.18	-0.21	-0.24	-0.26	-0.29
	TB-450 - D1	N	-71.821	-71.821	-71.821	-71.821	-71.821	-71.821	-71.821
		Vy	-0.083	-0.083	-0.083	-0.083	-0.083	-0.083	-0.083
		Vz	2.567	2.567	2.567	2.567	2.567	2.567	2.567
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	10.86	10.41	9.96	9.51	9.06	8.60	8.15
		Mz	0.07	0.08	0.10	0.11	0.13	0.14	0.16
	TB-450 - D2	N	-170.748	-170.748	-170.748	-170.748	-170.748	-170.748	-170.748
		Vy	0.120	0.120	0.120	0.120	0.120	0.120	0.120
		Vz	6.081	6.081	6.081	6.081	6.081	6.081	6.081
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.67	24.60	23.53	22.46	21.39	20.32	19.25
		Mz	-0.08	-0.10	-0.12	-0.14	-0.16	-0.18	-0.20
	TB-450 - E1	N	-25.645	-25.645	-25.645	-25.645	-25.645	-25.645	-25.645
		Vy	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026	-0.026
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.94	0.94	0.94	0.94	0.94	0.94	0.94
		Mz	0.02	0.02	0.03	0.03	0.04	0.04	0.05
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Esforços em barras, por hipóteses/ações								
Barra	Hipótese	Esforço	Posições na barra					
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N228/N7	Peso próprio	N	-255.217	-255.195	-255.173
		Vy	0.001	0.001	0.001
		Vz	28.382	28.614	28.846
		Mt	-0.01	-0.01	-0.01
		My	14.74	11.18	7.59
		Mz	-0.06	-0.06	-0.06
	LAJE	N	-544.224	-544.224	-544.224
		Vy	0.085	0.085	0.085
		Vz	8.766	8.766	8.766
		Mt	-0.01	-0.01	-0.01
		My	27.46	26.36	25.26
		Mz	-0.11	-0.12	-0.13
	PAVIMENTAÇÃO	N	-296.967	-296.967	-296.967
		Vy	0.047	0.047	0.047
		Vz	4.783	4.783	4.783
		Mt	-0.01	-0.01	-0.01
		My	14.98	14.38	13.79
		Mz	-0.06	-0.06	-0.07
	RECAPEAMENTO	N	-134.985	-134.985	-134.985
		Vy	0.021	0.021	0.021
		Vz	2.174	2.174	2.174
		Mt	0.00	0.00	0.00
		My	6.81	6.54	6.27
		Mz	-0.03	-0.03	-0.03
	GUARDA-RODAS	N	-73.271	-73.271	-73.271
		Vy	0.011	0.011	0.011
		Vz	1.182	1.182	1.182
		Mt	0.00	0.00	0.00
		My	3.69	3.55	3.40
		Mz	-0.01	-0.02	-0.02
	Vento 0	N	-10.455	-10.455	-10.455
		Vy	7.185	7.185	7.185
		Vz	1.793	1.793	1.793
		Mt	-1.30	-1.30	-1.30
		My	-1.23	-1.45	-1.68
		Mz	-15.68	-16.57	-17.47
	Vento 180	N	2.244	2.244	2.244
		Vy	-8.886	-8.998	-9.111
		Vz	-3.662	-3.662	-3.662
		Mt	1.03	1.03	1.03
		My	0.59	1.05	1.51

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mz	10.92	12.03	13.16
	Multidão - Passeio	N	-95.092	-95.092	-95.092
		Vy	0.015	0.015	0.015
		Vz	1.536	1.536	1.536
		Mt	0.00	0.00	0.00
		My	4.79	4.60	4.41
		Mz	-0.02	-0.02	-0.02
	Multidão - TB450	N	-310.234	-310.234	-310.234
		Vy	0.049	0.049	0.049
		Vz	4.991	4.991	4.991
		Mt	-0.01	-0.01	-0.01
		My	15.66	15.03	14.41
		Mz	-0.06	-0.07	-0.07
	TB-450 - A1	N	-19.962	-19.962	-19.962
		Vy	-0.023	-0.023	-0.023
		Vz	-8.133	-8.133	-8.133
		Mt	0.00	0.00	0.00
		My	-2.49	-1.47	-0.45
		Mz	0.05	0.05	0.06
	TB-450 - A2	N	-47.265	-47.265	-47.265
		Vy	0.033	0.033	0.033
		Vz	-19.163	-19.163	-19.163
		Mt	-0.01	-0.01	-0.01
		My	-5.86	-3.46	-1.06
		Mz	-0.06	-0.07	-0.07
	TB-450 - B1	N	-58.231	-58.231	-58.231
		Vy	-0.063	-0.063	-0.063
		Vz	-23.548	-23.548	-23.548
		Mt	0.02	0.02	0.02
		My	-6.49	-3.54	-0.60
		Mz	0.14	0.15	0.16
	TB-450 - B2	N	-138.119	-138.119	-138.119
		Vy	0.092	0.092	0.092
		Vz	-55.495	-55.495	-55.495
		Mt	-0.02	-0.02	-0.02
		My	-15.35	-8.41	-1.47
		Mz	-0.17	-0.19	-0.20
	TB-450 - C1	N	-84.708	-84.708	-84.708
		Vy	-0.107	-0.107	-0.107
		Vz	-11.969	-11.969	-11.969
		Mt	0.03	0.03	0.03
		My	5.97	7.47	8.97
		Mz	0.23	0.25	0.26
	TB-450 - C2	N	-201.160	-201.160	-201.160
		Vy	0.147	0.147	0.147
		Vz	-28.068	-28.068	-28.068
		Mt	-0.03	-0.03	-0.03
		My	14.14	17.65	21.16
		Mz	-0.28	-0.30	-0.32

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
	TB-450 - D1	N	-63.148	-63.148	-63.148
		Vy	-0.078	-0.078	-0.078
		Vz	34.492	34.492	34.492
		Mt	0.02	0.02	0.02
		My	12.43	8.12	3.81
		Mz	0.15	0.16	0.17
	TB-450 - D2	N	-150.161	-150.161	-150.161
		Vy	0.114	0.114	0.114
		Vz	81.832	81.832	81.832
		Mt	-0.02	-0.02	-0.02
		My	29.41	19.19	8.96
		Mz	-0.20	-0.21	-0.23
	TB-450 - E1	N	-21.970	-21.970	-21.970
		Vy	-0.023	-0.023	-0.023
		Vz	12.925	12.925	12.925
		Mt	0.01	0.01	0.01
		My	3.10	1.48	-0.13
		Mz	0.05	0.05	0.05
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N16/N238	Peso próprio	N	-158.339	-158.317	-158.296
		Vy	-0.013	-0.013	-0.013
		Vz	-140.120	-139.888	-139.657
		Mt	0.01	0.01	0.01
		My	-7.32	10.18	27.65
		Mz	-0.01	-0.01	-0.01
	LAJE	N	-335.527	-335.527	-335.527
		Vy	-0.027	-0.027	-0.027
		Vz	-350.282	-350.282	-350.282
		Mt	0.00	0.00	0.00
		My	-33.03	10.76	54.54
		Mz	-0.05	-0.05	-0.04
	PAVIMENTAÇÃO	N	-183.088	-183.088	-183.088
		Vy	-0.015	-0.015	-0.015
		Vz	-191.138	-191.138	-191.138
		Mt	0.00	0.00	0.00
		My	-18.02	5.87	29.76
		Mz	-0.03	-0.02	-0.02
	RECAPEAMENTO	N	-83.222	-83.222	-83.222
		Vy	-0.007	-0.007	-0.007
		Vz	-86.881	-86.881	-86.881

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mt	0.00	0.00	0.00
		My	-8.19	2.67	13.53
		Mz	-0.01	-0.01	-0.01
	GUARDA-RODAS	N	-45.172	-45.172	-45.172
		Vy	-0.004	-0.004	-0.004
		Vz	-47.164	-47.164	-47.164
		Mt	0.00	0.00	0.00
		My	-4.45	1.45	7.34
		Mz	-0.01	-0.01	-0.01
	Vento 0	N	0.623	0.623	0.623
		Vy	-2.364	-2.252	-2.139
		Vz	-5.611	-5.611	-5.611
		Mt	-0.05	-0.05	-0.05
		My	-1.22	-0.52	0.18
		Mz	5.18	5.47	5.74
	Vento 180	N	-4.915	-4.915	-4.915
		Vy	-0.991	-0.991	-0.991
		Vz	7.331	7.331	7.331
		Mt	-0.02	-0.02	-0.02
		My	1.47	0.55	-0.36
		Mz	-3.50	-3.37	-3.25
	Multidão - Passeio	N	-58.623	-58.623	-58.623
		Vy	-0.005	-0.005	-0.005
		Vz	-61.216	-61.216	-61.216
		Mt	0.00	0.00	0.00
		My	-5.78	1.87	9.52
		Mz	-0.01	-0.01	-0.01
	Multidão - TB450	N	-191.272	-191.272	-191.272
		Vy	-0.015	-0.015	-0.015
		Vz	-199.662	-199.662	-199.662
		Mt	0.00	0.00	0.00
		My	-18.81	6.14	31.10
		Mz	-0.03	-0.03	-0.02
	TB-450 - A1	N	-18.892	-18.892	-18.892
		Vy	-0.002	-0.002	-0.002
		Vz	-22.708	-22.708	-22.708
		Mt	0.00	0.00	0.00
		My	-4.01	-1.17	1.67
		Mz	-0.01	-0.01	-0.01
	TB-450 - A2	N	-7.992	-7.992	-7.992
		Vy	-0.001	-0.001	-0.001
		Vz	-9.683	-9.683	-9.683
		Mt	0.00	0.00	0.00
		My	-1.71	-0.50	0.71
		Mz	0.01	0.01	0.01
	TB-450 - B1	N	-55.465	-55.465	-55.465
		Vy	-0.006	-0.006	-0.006
		Vz	-66.574	-66.574	-66.574
		Mt	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		My	-11.72	-3.40	4.93
		Mz	-0.05	-0.04	-0.04
	TB-450 - B2	N	-23.420	-23.420	-23.420
		Vy	-0.002	-0.002	-0.002
		Vz	-28.266	-28.266	-28.266
		Mt	0.00	0.00	0.00
		My	-4.97	-1.44	2.10
		Mz	0.03	0.03	0.03
	TB-450 - C1	N	-91.514	-91.514	-91.514
		Vy	-0.004	-0.004	-0.004
		Vz	-109.762	-109.762	-109.762
		Mt	0.00	0.00	0.00
		My	-19.03	-5.31	8.41
		Mz	-0.06	-0.06	-0.06
	TB-450 - C2	N	-38.595	-38.595	-38.595
		Vy	-0.008	-0.008	-0.008
		Vz	-46.487	-46.487	-46.487
		Mt	0.00	0.00	0.00
		My	-8.05	-2.24	3.57
		Mz	0.04	0.04	0.04
	TB-450 - D1	N	-123.379	-123.379	-123.379
		Vy	-0.001	-0.001	-0.001
		Vz	-146.047	-146.047	-146.047
		Mt	0.00	0.00	0.00
		My	-12.79	5.47	23.72
		Mz	-0.06	-0.06	-0.06
	TB-450 - D2	N	-51.989	-51.989	-51.989
		Vy	-0.010	-0.010	-0.010
		Vz	-61.705	-61.705	-61.705
		Mt	0.00	0.00	0.00
		My	-5.40	2.31	10.03
		Mz	0.04	0.04	0.05
	TB-450 - E1	N	-73.449	-73.449	-73.449
		Vy	0.000	0.000	0.000
		Vz	-33.066	-33.066	-33.066
		Mt	-0.01	-0.01	-0.01
		My	11.91	16.05	20.18
		Mz	-0.03	-0.03	-0.03
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações								
Barra	Hipótese	Esforço	Posições na barra					
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N238/N15	Peso próprio	N	-170.765	-170.735	-170.704	-170.674	-170.643	-170.612	-170.582

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Vy	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014
		Vz	-4.584	-4.258	-3.932	-3.605	-3.279	-2.953	-2.626
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.23	7.00	7.73	8.39	8.99	9.54	10.03
		Mz	-0.01	-0.01	0.00	0.00	0.00	0.00	0.01
	LAJE	N	-368.553	-368.553	-368.553	-368.553	-368.553	-368.553	-368.553
		Vy	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028
		Vz	-9.846	-9.846	-9.846	-9.846	-9.846	-9.846	-9.846
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.18	0.55	2.29	4.02	5.75	7.48	9.22
		Mz	-0.04	-0.04	-0.03	-0.03	-0.02	-0.02	-0.01
	PAVIMENTAÇÃO	N	-201.109	-201.109	-201.109	-201.109	-201.109	-201.109	-201.109
		Vy	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
		Vz	-5.373	-5.373	-5.373	-5.373	-5.373	-5.373	-5.373
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.64	0.30	1.25	2.19	3.14	4.08	5.03
		Mz	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01
	RECAPEAMENTO	N	-91.413	-91.413	-91.413	-91.413	-91.413	-91.413	-91.413
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	-2.442	-2.442	-2.442	-2.442	-2.442	-2.442	-2.442
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.29	0.14	0.57	1.00	1.43	1.86	2.29
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00
	GUARDA-RODAS	N	-49.619	-49.619	-49.619	-49.619	-49.619	-49.619	-49.619
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-1.326	-1.326	-1.326	-1.326	-1.326	-1.326	-1.326
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.16	0.07	0.31	0.54	0.77	1.01	1.24
		Mz	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.090	0.090	0.090	0.090	0.090	0.090	0.090
		Vy	0.675	0.833	0.991	1.150	1.308	1.467	1.625
		Vz	-0.173	-0.173	-0.173	-0.173	-0.173	-0.173	-0.173
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-0.72	-0.69	-0.66	-0.63	-0.60	-0.57	-0.54
		Mz	5.75	5.62	5.46	5.27	5.05	4.81	4.53
	Vento 180	N	-4.205	-4.205	-4.205	-4.205	-4.205	-4.205	-4.205
		Vy	-0.985	-0.985	-0.985	-0.985	-0.985	-0.985	-0.985
		Vz	0.183	0.183	0.183	0.183	0.183	0.183	0.183
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.84	0.81	0.78	0.74	0.71	0.68	0.65
		Mz	-3.25	-3.08	-2.90	-2.73	-2.56	-2.38	-2.21
	Multidão - Passeio	N	-64.394	-64.394	-64.394	-64.394	-64.394	-64.394	-64.394
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	-1.722	-1.722	-1.722	-1.722	-1.722	-1.722	-1.722
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.21	0.09	0.39	0.70	1.00	1.30	1.60
		Mz	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-210.097	-210.097	-210.097	-210.097	-210.097	-210.097	-210.097
		Vy	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016
		Vz	-5.611	-5.611	-5.611	-5.611	-5.611	-5.611	-5.611
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.66	0.33	1.31	2.30	3.29	4.28	5.26

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Mz	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01
	TB-450 - A1	N	-21.185	-21.185	-21.185	-21.185	-21.185	-21.185	-21.185
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-0.369	-0.369	-0.369	-0.369	-0.369	-0.369	-0.369
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.29	-2.23	-2.16	-2.10	-2.03	-1.97	-1.90
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - A2	N	-8.970	-8.970	-8.970	-8.970	-8.970	-8.970	-8.970
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.98	-0.95	-0.93	-0.90	-0.87	-0.84	-0.81
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - B1	N	-62.188	-62.188	-62.188	-62.188	-62.188	-62.188	-62.188
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	-1.090	-1.090	-1.090	-1.090	-1.090	-1.090	-1.090
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-6.68	-6.49	-6.30	-6.11	-5.91	-5.72	-5.53
		Mz	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
	TB-450 - B2	N	-26.274	-26.274	-26.274	-26.274	-26.274	-26.274	-26.274
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-0.461	-0.461	-0.461	-0.461	-0.461	-0.461	-0.461
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.83	-2.75	-2.67	-2.59	-2.51	-2.43	-2.34
		Mz	0.03	0.03	0.03	0.03	0.03	0.03	0.03
	TB-450 - C1	N	-102.538	-102.538	-102.538	-102.538	-102.538	-102.538	-102.538
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-2.325	-2.325	-2.325	-2.325	-2.325	-2.325	-2.325
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-10.63	-10.22	-9.81	-9.41	-9.00	-8.59	-8.18
		Mz	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.05
	TB-450 - C2	N	-43.264	-43.264	-43.264	-43.264	-43.264	-43.264	-43.264
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	-0.982	-0.982	-0.982	-0.982	-0.982	-0.982	-0.982
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.49	-4.32	-4.15	-3.98	-3.80	-3.63	-3.46
		Mz	0.04	0.04	0.04	0.05	0.05	0.05	0.05
	TB-450 - D1	N	-136.571	-136.571	-136.571	-136.571	-136.571	-136.571	-136.571
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-8.452	-8.452	-8.452	-8.452	-8.452	-8.452	-8.452
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.67	3.16	4.65	6.14	7.62	9.11	10.60
		Mz	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06
	TB-450 - D2	N	-57.563	-57.563	-57.563	-57.563	-57.563	-57.563	-57.563
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	-3.565	-3.565	-3.565	-3.565	-3.565	-3.565	-3.565
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.71	1.34	1.96	2.59	3.22	3.84	4.47
		Mz	0.05	0.05	0.05	0.05	0.05	0.05	0.06
	TB-450 - E1	N	-75.870	-75.870	-75.870	-75.870	-75.870	-75.870	-75.870
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.600	1.600	1.600	1.600	1.600	1.600	1.600

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	16.69	16.41	16.13	15.85	15.57	15.29	15.00
		Mz	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N15/N239	Peso próprio	N	-170.582	-170.551	-170.520	-170.490	-170.459	-170.428	-170.398
		Vy	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014
		Vz	-2.626	-2.300	-1.973	-1.647	-1.321	-0.994	-0.668
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	10.03	10.47	10.84	11.16	11.42	11.63	11.77
		Mz	0.01	0.01	0.01	0.01	0.02	0.02	0.02
	LAJE	N	-368.553	-368.553	-368.553	-368.553	-368.553	-368.553	-368.553
		Vy	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028
		Vz	-9.846	-9.846	-9.846	-9.846	-9.846	-9.846	-9.846
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.22	10.95	12.68	14.41	16.15	17.88	19.61
		Mz	-0.01	-0.01	0.00	0.00	0.01	0.01	0.02
	PAVIMENTAÇÃO	N	-201.109	-201.109	-201.109	-201.109	-201.109	-201.109	-201.109
		Vy	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
		Vz	-5.373	-5.373	-5.373	-5.373	-5.373	-5.373	-5.373
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.03	5.98	6.92	7.87	8.81	9.76	10.70
		Mz	-0.01	0.00	0.00	0.00	0.00	0.01	0.01
	RECAPEAMENTO	N	-91.413	-91.413	-91.413	-91.413	-91.413	-91.413	-91.413
		Vy	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
		Vz	-2.442	-2.442	-2.442	-2.442	-2.442	-2.442	-2.442
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.29	2.72	3.15	3.58	4.01	4.43	4.86
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GUARDA-RODAS	N	-49.619	-49.619	-49.619	-49.619	-49.619	-49.619	-49.619
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-1.326	-1.326	-1.326	-1.326	-1.326	-1.326	-1.326
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.24	1.47	1.71	1.94	2.17	2.41	2.64
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vento 0	N	0.090	0.090	0.090	0.090	0.090	0.090	0.090
		Vy	1.625	1.783	1.942	2.100	2.258	2.417	2.575
		Vz	-0.173	-0.173	-0.173	-0.173	-0.173	-0.173	-0.173
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-0.54	-0.51	-0.48	-0.44	-0.41	-0.38	-0.35
		Mz	4.53	4.24	3.91	3.55	3.17	2.76	2.32
	Vento 180	N	-4.205	-4.205	-4.205	-4.205	-4.205	-4.205	-4.205
		Vy	-0.985	-0.985	-0.985	-0.985	-0.985	-0.985	-0.985

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Vz	0.183	0.183	0.183	0.183	0.183	0.183	0.183
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.65	0.62	0.58	0.55	0.52	0.49	0.46
		Mz	-2.21	-2.04	-1.86	-1.69	-1.52	-1.34	-1.17
	Multidão - Passeio	N	-64.394	-64.394	-64.394	-64.394	-64.394	-64.394	-64.394
		Vy	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		Vz	-1.722	-1.722	-1.722	-1.722	-1.722	-1.722	-1.722
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.60	1.91	2.21	2.51	2.82	3.12	3.42
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Multidão - TB450	N	-210.097	-210.097	-210.097	-210.097	-210.097	-210.097	-210.097
		Vy	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016
		Vz	-5.611	-5.611	-5.611	-5.611	-5.611	-5.611	-5.611
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	5.26	6.25	7.24	8.22	9.21	10.20	11.19
		Mz	-0.01	0.00	0.00	0.00	0.00	0.01	0.01
	TB-450 - A1	N	-21.185	-21.185	-21.185	-21.185	-21.185	-21.185	-21.185
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-0.369	-0.369	-0.369	-0.369	-0.369	-0.369	-0.369
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-1.90	-1.84	-1.77	-1.71	-1.64	-1.58	-1.51
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - A2	N	-8.970	-8.970	-8.970	-8.970	-8.970	-8.970	-8.970
		Vy	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		Vz	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-0.81	-0.79	-0.76	-0.73	-0.70	-0.67	-0.65
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - B1	N	-62.188	-62.188	-62.188	-62.188	-62.188	-62.188	-62.188
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	-1.090	-1.090	-1.090	-1.090	-1.090	-1.090	-1.090
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-5.53	-5.34	-5.15	-4.96	-4.76	-4.57	-4.38
		Mz	-0.04	-0.04	-0.04	-0.03	-0.03	-0.03	-0.03
	TB-450 - B2	N	-26.274	-26.274	-26.274	-26.274	-26.274	-26.274	-26.274
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-0.461	-0.461	-0.461	-0.461	-0.461	-0.461	-0.461
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-2.34	-2.26	-2.18	-2.10	-2.02	-1.94	-1.86
		Mz	0.03	0.03	0.03	0.04	0.04	0.04	0.04
	TB-450 - C1	N	-102.538	-102.538	-102.538	-102.538	-102.538	-102.538	-102.538
		Vy	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		Vz	-2.325	-2.325	-2.325	-2.325	-2.325	-2.325	-2.325
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-8.18	-7.77	-7.36	-6.95	-6.54	-6.13	-5.72
		Mz	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
	TB-450 - C2	N	-43.264	-43.264	-43.264	-43.264	-43.264	-43.264	-43.264
		Vy	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		Vz	-0.982	-0.982	-0.982	-0.982	-0.982	-0.982	-0.982
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-3.46	-3.28	-3.11	-2.94	-2.77	-2.59	-2.42
		Mz	0.05	0.05	0.05	0.05	0.06	0.06	0.06

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Esforços em barras, por hipóteses/ações								
Barra	Hipótese	Esforço	Posições na barra					
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
	TB-450 - D1	N	-136.571	-136.571	-136.571	-136.571	-136.571	-136.571	-136.571
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-8.452	-8.452	-8.452	-8.452	-8.452	-8.452	-8.452
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	10.60	12.08	13.57	15.06	16.55	18.03	19.52
		Mz	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06
	TB-450 - D2	N	-57.563	-57.563	-57.563	-57.563	-57.563	-57.563	-57.563
		Vy	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011
		Vz	-3.565	-3.565	-3.565	-3.565	-3.565	-3.565	-3.565
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.47	5.10	5.73	6.35	6.98	7.61	8.24
		Mz	0.06	0.06	0.06	0.06	0.06	0.07	0.07
	TB-450 - E1	N	-75.870	-75.870	-75.870	-75.870	-75.870	-75.870	-75.870
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	1.600	1.600	1.600	1.600	1.600	1.600	1.600
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	15.00	14.72	14.44	14.16	13.88	13.60	13.32
		Mz	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N239/N14	Peso próprio	N	-198.585	-198.564	-198.542
		Vy	-0.015	-0.015	-0.015
		Vz	-93.522	-93.290	-93.058
		Mt	0.00	0.00	0.00
		My	-7.40	4.27	15.92
		Mz	0.02	0.02	0.02
	LAJE	N	-446.180	-446.180	-446.180
		Vy	-0.028	-0.028	-0.028
		Vz	-271.150	-271.150	-271.150
		Mt	0.00	0.00	0.00
		My	-32.34	1.55	35.44
		Mz	0.02	0.02	0.02
	PAVIMENTAÇÃO	N	-243.467	-243.467	-243.467
		Vy	-0.016	-0.016	-0.016
		Vz	-147.957	-147.957	-147.957
		Mt	0.00	0.00	0.00
		My	-17.65	0.85	19.34
		Mz	0.01	0.01	0.01
	RECAPEAMENTO	N	-110.667	-110.667	-110.667
		Vy	-0.007	-0.007	-0.007
		Vz	-67.253	-67.253	-67.253
		Mt	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		My	-8.02	0.38	8.79
		Mz	0.00	0.01	0.01
	GUARDA-RODAS	N	-60.072	-60.072	-60.072
		Vy	-0.004	-0.004	-0.004
		Vz	-36.512	-36.512	-36.512
		Mt	0.00	0.00	0.00
		My	-4.36	0.21	4.77
		Mz	0.00	0.00	0.00
	Vento 0	N	-1.560	-1.560	-1.560
		Vy	5.444	5.557	5.669
		Vz	-5.878	-5.878	-5.878
		Mt	-0.01	-0.01	-0.01
		My	-1.38	-0.65	0.09
		Mz	2.32	1.63	0.93
	Vento 180	N	-2.051	-2.051	-2.051
		Vy	-0.983	-0.983	-0.983
		Vz	7.600	7.600	7.600
		Mt	0.03	0.03	0.03
		My	1.82	0.87	-0.08
		Mz	-1.18	-1.06	-0.93
	Multidão - Passeio	N	-77.962	-77.962	-77.962
		Vy	-0.005	-0.005	-0.005
		Vz	-47.394	-47.394	-47.394
		Mt	0.00	0.00	0.00
		My	-5.66	0.27	6.19
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	-254.342	-254.342	-254.342
		Vy	-0.016	-0.016	-0.016
		Vz	-154.545	-154.545	-154.545
		Mt	0.00	0.00	0.00
		My	-18.43	0.89	20.21
		Mz	0.01	0.01	0.01
	TB-450 - A1	N	-28.179	-28.179	-28.179
		Vy	-0.002	-0.002	-0.002
		Vz	-24.379	-24.379	-24.379
		Mt	0.00	0.00	0.00
		My	-5.97	-2.92	0.13
		Mz	-0.01	-0.01	-0.01
	TB-450 - A2	N	-11.951	-11.951	-11.951
		Vy	-0.001	-0.001	-0.001
		Vz	-10.392	-10.392	-10.392
		Mt	0.00	0.00	0.00
		My	-2.54	-1.25	0.05
		Mz	0.01	0.01	0.01
	TB-450 - B1	N	-82.678	-82.678	-82.678
		Vy	-0.006	-0.006	-0.006
		Vz	-71.435	-71.435	-71.435
		Mt	0.00	0.00	0.00
		My	-17.43	-8.50	0.43

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mz	-0.03	-0.03	-0.03
	TB-450 - B2	N	-34.970	-34.970	-34.970
		Vy	-0.003	-0.003	-0.003
		Vz	-30.316	-30.316	-30.316
		Mt	0.00	0.00	0.00
		My	-7.39	-3.60	0.19
		Mz	0.04	0.04	0.04
	TB-450 - C1	N	-135.897	-135.897	-135.897
		Vy	-0.004	-0.004	-0.004
		Vz	-116.962	-116.962	-116.962
		Mt	0.00	0.00	0.00
		My	-26.85	-12.23	2.39
		Mz	-0.05	-0.05	-0.05
	TB-450 - C2	N	-57.388	-57.388	-57.388
		Vy	-0.009	-0.009	-0.009
		Vz	-49.519	-49.519	-49.519
		Mt	0.00	0.00	0.00
		My	-11.37	-5.18	1.01
		Mz	0.06	0.06	0.06
	TB-450 - D1	N	-163.475	-163.475	-163.475
		Vy	-0.002	-0.002	-0.002
		Vz	-97.822	-97.822	-97.822
		Mt	0.00	0.00	0.00
		My	1.14	13.37	25.60
		Mz	-0.06	-0.06	-0.06
	TB-450 - D2	N	-68.940	-68.940	-68.940
		Vy	-0.011	-0.011	-0.011
		Vz	-41.359	-41.359	-41.359
		Mt	0.00	0.00	0.00
		My	0.47	5.64	10.81
		Mz	0.07	0.07	0.07
	TB-450 - E1	N	-71.901	-71.901	-71.901
		Vy	0.000	0.000	0.000
		Vz	17.956	17.956	17.956
		Mt	0.00	0.00	0.00
		My	14.24	12.00	9.75
		Mz	-0.03	-0.03	-0.03
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N14/N240	Peso próprio	N	-196.629	-196.607	-196.585
		Vy	-0.027	-0.027	-0.027

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-91.356	-91.124	-90.892
		Mt	0.00	0.00	0.00
		My	15.92	27.32	38.70
		Mz	0.02	0.03	0.03
	LAJE	N	-445.167	-445.167	-445.167
		Vy	0.048	0.048	0.048
		Vz	-271.150	-271.150	-271.150
		Mt	0.00	0.00	0.00
		My	35.44	69.34	103.23
		Mz	0.02	0.02	0.01
	PAVIMENTAÇÃO	N	-242.914	-242.914	-242.914
		Vy	0.026	0.026	0.026
		Vz	-147.957	-147.957	-147.957
		Mt	0.00	0.00	0.00
		My	19.34	37.84	56.33
		Mz	0.01	0.01	0.01
	RECAPEAMENTO	N	-110.416	-110.416	-110.416
		Vy	0.012	0.012	0.012
		Vz	-67.253	-67.253	-67.253
		Mt	0.00	0.00	0.00
		My	8.79	17.20	25.60
		Mz	0.01	0.00	0.00
	GUARDA-RODAS	N	-59.935	-59.935	-59.935
		Vy	0.006	0.006	0.006
		Vz	-36.512	-36.512	-36.512
		Mt	0.00	0.00	0.00
		My	4.77	9.33	13.90
		Mz	0.00	0.00	0.00
	Vento 0	N	4.844	4.844	4.844
		Vy	-3.564	-3.451	-3.339
		Vz	-5.878	-5.878	-5.878
		Mt	-0.01	-0.01	-0.01
		My	0.09	0.82	1.56
		Mz	0.93	1.37	1.79
	Vento 180	N	-7.248	-7.248	-7.248
		Vy	0.081	0.081	0.081
		Vz	7.600	7.600	7.600
		Mt	0.03	0.03	0.03
		My	-0.08	-1.03	-1.98
		Mz	-0.93	-0.95	-0.96
	Multidão - Passeio	N	-77.785	-77.785	-77.785
		Vy	0.008	0.008	0.008
		Vz	-47.394	-47.394	-47.394
		Mt	0.00	0.00	0.00
		My	6.19	12.11	18.04
		Mz	0.00	0.00	0.00
	Multidão - TB450	N	-253.765	-253.765	-253.765
		Vy	0.027	0.027	0.027
		Vz	-154.545	-154.545	-154.545

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mt	0.00	0.00	0.00
		My	20.21	39.53	58.85
		Mz	0.01	0.01	0.01
	TB-450 - A1	N	-28.137	-28.137	-28.137
		Vy	0.003	0.003	0.003
		Vz	-24.379	-24.379	-24.379
		Mt	0.00	0.00	0.00
		My	0.13	3.18	6.22
		Mz	-0.01	-0.01	-0.01
	TB-450 - A2	N	-11.885	-11.885	-11.885
		Vy	0.003	0.003	0.003
		Vz	-10.392	-10.392	-10.392
		Mt	0.00	0.00	0.00
		My	0.05	1.35	2.65
		Mz	0.01	0.01	0.01
	TB-450 - B1	N	-82.558	-82.558	-82.558
		Vy	0.007	0.007	0.007
		Vz	-71.435	-71.435	-71.435
		Mt	0.00	0.00	0.00
		My	0.43	9.36	18.29
		Mz	-0.03	-0.03	-0.03
	TB-450 - B2	N	-34.790	-34.790	-34.790
		Vy	0.010	0.010	0.010
		Vz	-30.316	-30.316	-30.316
		Mt	0.00	0.00	0.00
		My	0.19	3.98	7.76
		Mz	0.04	0.04	0.04
	TB-450 - C1	N	-135.705	-135.705	-135.705
		Vy	0.010	0.010	0.010
		Vz	-116.962	-116.962	-116.962
		Mt	0.00	0.00	0.00
		My	2.39	17.01	31.63
		Mz	-0.05	-0.05	-0.05
	TB-450 - C2	N	-57.151	-57.151	-57.151
		Vy	0.013	0.013	0.013
		Vz	-49.519	-49.519	-49.519
		Mt	0.00	0.00	0.00
		My	1.01	7.20	13.39
		Mz	0.06	0.06	0.06
	TB-450 - D1	N	-163.289	-163.289	-163.289
		Vy	0.007	0.007	0.007
		Vz	-97.822	-97.822	-97.822
		Mt	0.00	0.00	0.00
		My	25.60	37.83	50.05
		Mz	-0.06	-0.06	-0.06
	TB-450 - D2	N	-68.732	-68.732	-68.732
		Vy	0.013	0.013	0.013
		Vz	-41.359	-41.359	-41.359
		Mt	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		My	10.81	15.98	21.15
		Mz	0.07	0.07	0.07
	TB-450 - E1	N	-71.824	-71.824	-71.824
		Vy	0.001	0.001	0.001
		Vz	17.956	17.956	17.956
		Mt	0.00	0.00	0.00
		My	9.75	7.51	5.26
		Mz	-0.03	-0.03	-0.03
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações								
Barra	Hipótese	Esforço	Posições na barra					
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N240/N13	Peso próprio	N	-205.440	-205.410	-205.379	-205.349	-205.318	-205.287	-205.257
		Vy	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028
		Vz	0.471	0.798	1.124	1.450	1.777	2.103	2.429
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	22.29	22.18	22.01	21.78	21.50	21.15	20.76
		Mz	0.03	0.04	0.04	0.04	0.05	0.05	0.06
	LAJE	N	-472.721	-472.721	-472.721	-472.721	-472.721	-472.721	-472.721
		Vy	0.047	0.047	0.047	0.047	0.047	0.047	0.047
		Vz	4.768	4.768	4.768	4.768	4.768	4.768	4.768
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	54.53	53.69	52.85	52.01	51.17	50.33	49.49
		Mz	0.01	0.00	0.00	-0.01	-0.02	-0.03	-0.04
	PAVIMENTAÇÃO	N	-257.950	-257.950	-257.950	-257.950	-257.950	-257.950	-257.950
		Vy	0.026	0.026	0.026	0.026	0.026	0.026	0.026
		Vz	2.601	2.601	2.601	2.601	2.601	2.601	2.601
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	29.75	29.30	28.84	28.38	27.92	27.46	27.01
		Mz	0.01	0.00	0.00	-0.01	-0.01	-0.02	-0.02
	RECAPEAMENTO	N	-117.250	-117.250	-117.250	-117.250	-117.250	-117.250	-117.250
		Vy	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Vz	1.182	1.182	1.182	1.182	1.182	1.182	1.182
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.52	13.32	13.11	12.90	12.69	12.48	12.28
		Mz	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01
	GUARDA-RODAS	N	-63.645	-63.645	-63.645	-63.645	-63.645	-63.645	-63.645
		Vy	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vz	0.642	0.642	0.642	0.642	0.642	0.642	0.642
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.34	7.23	7.12	7.00	6.89	6.78	6.66
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
	Vento 0	N	4.190	4.190	4.190	4.190	4.190	4.190	4.190
		Vy	-0.556	-0.398	-0.239	-0.081	0.077	0.236	0.394

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Vz	-0.062	-0.062	-0.062	-0.062	-0.062	-0.062	-0.062
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	0.34	0.35	0.36	0.37	0.38	0.39	0.40
		Mz	1.81	1.89	1.95	1.98	1.98	1.95	1.89
	Vento 180	N	-6.403	-6.403	-6.403	-6.403	-6.403	-6.403	-6.403
		Vy	0.102	0.102	0.102	0.102	0.102	0.102	0.102
		Vz	-0.039	-0.039	-0.039	-0.039	-0.039	-0.039	-0.039
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-0.42	-0.42	-0.41	-0.40	-0.40	-0.39	-0.38
		Mz	-0.97	-0.99	-1.01	-1.02	-1.04	-1.06	-1.08
	Multidão - Passeio	N	-82.601	-82.601	-82.601	-82.601	-82.601	-82.601	-82.601
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	0.833	0.833	0.833	0.833	0.833	0.833	0.833
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.53	9.38	9.23	9.09	8.94	8.79	8.65
		Mz	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
	Multidão - TB450	N	-269.470	-269.470	-269.470	-269.470	-269.470	-269.470	-269.470
		Vy	0.027	0.027	0.027	0.027	0.027	0.027	0.027
		Vz	2.717	2.717	2.717	2.717	2.717	2.717	2.717
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	31.08	30.60	30.13	29.65	29.17	28.69	28.21
		Mz	0.01	0.00	0.00	-0.01	-0.01	-0.02	-0.02
	TB-450 - A1	N	-30.815	-30.815	-30.815	-30.815	-30.815	-30.815	-30.815
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	0.769	0.769	0.769	0.769	0.769	0.769	0.769
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.39	1.26	1.12	0.99	0.85	0.72	0.58
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	TB-450 - A2	N	-13.026	-13.026	-13.026	-13.026	-13.026	-13.026	-13.026
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	0.327	0.327	0.327	0.327	0.327	0.327	0.327
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.59	0.54	0.48	0.42	0.36	0.31	0.25
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - B1	N	-90.402	-90.402	-90.402	-90.402	-90.402	-90.402	-90.402
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	2.183	2.183	2.183	2.183	2.183	2.183	2.183
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	4.15	3.76	3.38	2.99	2.61	2.23	1.84
		Mz	-0.03	-0.03	-0.03	-0.04	-0.04	-0.04	-0.04
	TB-450 - B2	N	-38.120	-38.120	-38.120	-38.120	-38.120	-38.120	-38.120
		Vy	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vz	0.924	0.924	0.924	0.924	0.924	0.924	0.924
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.76	1.59	1.43	1.27	1.11	0.94	0.78
		Mz	0.04	0.03	0.03	0.03	0.03	0.03	0.03
	TB-450 - C1	N	-148.158	-148.158	-148.158	-148.158	-148.158	-148.158	-148.158
		Vy	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Vz	0.022	0.022	0.022	0.022	0.022	0.022	0.022
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.11	9.10	9.10	9.10	9.09	9.09	9.08
		Mz	-0.05	-0.05	-0.06	-0.06	-0.06	-0.06	-0.06

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
	TB-450 - C2	N	-62.426	-62.426	-62.426	-62.426	-62.426	-62.426	-62.426
		Vy	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Vz	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.85	3.85	3.85	3.85	3.84	3.84	3.84
		Mz	0.06	0.06	0.05	0.05	0.05	0.05	0.05
	TB-450 - D1	N	-171.803	-171.803	-171.803	-171.803	-171.803	-171.803	-171.803
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	0.648	0.648	0.648	0.648	0.648	0.648	0.648
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	36.11	36.00	35.89	35.77	35.66	35.54	35.43
		Mz	-0.06	-0.06	-0.06	-0.07	-0.07	-0.07	-0.07
	TB-450 - D2	N	-72.336	-72.336	-72.336	-72.336	-72.336	-72.336	-72.336
		Vy	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Vz	0.272	0.272	0.272	0.272	0.272	0.272	0.272
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	15.24	15.19	15.15	15.10	15.05	15.00	14.95
		Mz	0.07	0.07	0.06	0.06	0.06	0.06	0.05
	TB-450 - E1	N	-70.068	-70.068	-70.068	-70.068	-70.068	-70.068	-70.068
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	1.524	1.524	1.524	1.524	1.524	1.524	1.524
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.15	7.88	7.61	7.34	7.08	6.81	6.54
		Mz	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N13/N241	Peso próprio	N	-205.257	-205.226	-205.195	-205.165	-205.134	-205.103	-205.073
		Vy	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028
		Vz	2.429	2.756	3.082	3.409	3.735	4.061	4.388
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	20.76	20.30	19.79	19.22	18.59	17.90	17.16
		Mz	0.06	0.06	0.07	0.07	0.08	0.08	0.09
	LAJE	N	-472.721	-472.721	-472.721	-472.721	-472.721	-472.721	-472.721
		Vy	0.047	0.047	0.047	0.047	0.047	0.047	0.047
		Vz	4.768	4.768	4.768	4.768	4.768	4.768	4.768
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	49.49	48.65	47.82	46.98	46.14	45.30	44.46
		Mz	-0.04	-0.05	-0.05	-0.06	-0.07	-0.08	-0.09
	PAVIMENTAÇÃO	N	-257.950	-257.950	-257.950	-257.950	-257.950	-257.950	-257.950
		Vy	0.026	0.026	0.026	0.026	0.026	0.026	0.026
		Vz	2.601	2.601	2.601	2.601	2.601	2.601	2.601
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	27.01	26.55	26.09	25.63	25.18	24.72	24.26

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Mz	-0.02	-0.02	-0.03	-0.03	-0.04	-0.04	-0.05
	RECAPEAMENTO	N	-117.250	-117.250	-117.250	-117.250	-117.250	-117.250	-117.250
		Vy	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Vz	1.182	1.182	1.182	1.182	1.182	1.182	1.182
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	12.28	12.07	11.86	11.65	11.44	11.24	11.03
		Mz	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02	-0.02
	GUARDA-RODAS	N	-63.645	-63.645	-63.645	-63.645	-63.645	-63.645	-63.645
		Vy	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		Vz	0.642	0.642	0.642	0.642	0.642	0.642	0.642
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.66	6.55	6.44	6.32	6.21	6.10	5.99
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
	Vento 0	N	4.190	4.190	4.190	4.190	4.190	4.190	4.190
		Vy	0.394	0.552	0.711	0.869	1.027	1.186	1.344
		Vz	-0.062	-0.062	-0.062	-0.062	-0.062	-0.062	-0.062
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	0.40	0.41	0.42	0.43	0.45	0.46	0.47
		Mz	1.89	1.81	1.70	1.56	1.39	1.20	0.98
	Vento 180	N	-6.403	-6.403	-6.403	-6.403	-6.403	-6.403	-6.403
		Vy	0.102	0.102	0.102	0.102	0.102	0.102	0.102
		Vz	-0.039	-0.039	-0.039	-0.039	-0.039	-0.039	-0.039
		Mt	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		My	-0.38	-0.38	-0.37	-0.36	-0.36	-0.35	-0.34
		Mz	-1.08	-1.10	-1.11	-1.13	-1.15	-1.17	-1.19
	Multidão - Passeio	N	-82.601	-82.601	-82.601	-82.601	-82.601	-82.601	-82.601
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	0.833	0.833	0.833	0.833	0.833	0.833	0.833
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.65	8.50	8.35	8.21	8.06	7.91	7.77
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02
	Multidão - TB450	N	-269.470	-269.470	-269.470	-269.470	-269.470	-269.470	-269.470
		Vy	0.027	0.027	0.027	0.027	0.027	0.027	0.027
		Vz	2.717	2.717	2.717	2.717	2.717	2.717	2.717
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	28.21	27.74	27.26	26.78	26.30	25.82	25.35
		Mz	-0.02	-0.03	-0.03	-0.04	-0.04	-0.04	-0.05
	TB-450 - A1	N	-30.815	-30.815	-30.815	-30.815	-30.815	-30.815	-30.815
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	0.769	0.769	0.769	0.769	0.769	0.769	0.769
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.58	0.45	0.31	0.18	0.04	-0.09	-0.23
		Mz	-0.01	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02
	TB-450 - A2	N	-13.026	-13.026	-13.026	-13.026	-13.026	-13.026	-13.026
		Vy	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		Vz	0.327	0.327	0.327	0.327	0.327	0.327	0.327
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.25	0.19	0.13	0.08	0.02	-0.04	-0.10
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - B1	N	-90.402	-90.402	-90.402	-90.402	-90.402	-90.402	-90.402
		Vy	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		Vz	2.183	2.183	2.183	2.183	2.183	2.183	2.183

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.84	1.46	1.07	0.69	0.30	-0.08	-0.46
		Mz	-0.04	-0.04	-0.04	-0.04	-0.05	-0.05	-0.05
	TB-450 - B2	N	-38.120	-38.120	-38.120	-38.120	-38.120	-38.120	-38.120
		Vy	0.009	0.009	0.009	0.009	0.009	0.009	0.009
		Vz	0.924	0.924	0.924	0.924	0.924	0.924	0.924
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.78	0.62	0.46	0.29	0.13	-0.03	-0.19
		Mz	0.03	0.02	0.02	0.02	0.02	0.02	0.02
	TB-450 - C1	N	-148.158	-148.158	-148.158	-148.158	-148.158	-148.158	-148.158
		Vy	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Vz	0.022	0.022	0.022	0.022	0.022	0.022	0.022
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.08	9.08	9.08	9.07	9.07	9.06	9.06
		Mz	-0.06	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07
	TB-450 - C2	N	-62.426	-62.426	-62.426	-62.426	-62.426	-62.426	-62.426
		Vy	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Vz	0.011	0.011	0.011	0.011	0.011	0.011	0.011
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.84	3.84	3.84	3.83	3.83	3.83	3.83
		Mz	0.05	0.04	0.04	0.04	0.04	0.03	0.03
	TB-450 - D1	N	-171.803	-171.803	-171.803	-171.803	-171.803	-171.803	-171.803
		Vy	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		Vz	0.648	0.648	0.648	0.648	0.648	0.648	0.648
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	35.43	35.31	35.20	35.09	34.97	34.86	34.74
		Mz	-0.07	-0.07	-0.07	-0.07	-0.07	-0.08	-0.08
	TB-450 - D2	N	-72.336	-72.336	-72.336	-72.336	-72.336	-72.336	-72.336
		Vy	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		Vz	0.272	0.272	0.272	0.272	0.272	0.272	0.272
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	14.95	14.91	14.86	14.81	14.76	14.72	14.67
		Mz	0.05	0.05	0.05	0.05	0.05	0.04	0.04
	TB-450 - E1	N	-70.068	-70.068	-70.068	-70.068	-70.068	-70.068	-70.068
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	1.524	1.524	1.524	1.524	1.524	1.524	1.524
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	6.54	6.27	6.00	5.73	5.47	5.20	4.93
		Mz	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N241/N12	Peso próprio	N	-222.760	-222.738	-222.716
		Vy	-0.028	-0.028	-0.028

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-53.443	-53.212	-52.980
		Mt	0.00	0.00	0.00
		My	5.72	12.39	19.03
		Mz	0.09	0.09	0.10
	LAJE	N	-523.248	-523.248	-523.248
		Vy	0.047	0.047	0.047
		Vz	-163.187	-163.187	-163.187
		Mt	0.00	0.00	0.00
		My	10.69	31.09	51.49
		Mz	-0.09	-0.09	-0.10
	PAVIMENTAÇÃO	N	-285.521	-285.521	-285.521
		Vy	0.026	0.026	0.026
		Vz	-89.047	-89.047	-89.047
		Mt	0.00	0.00	0.00
		My	5.83	16.96	28.09
		Mz	-0.05	-0.05	-0.05
	RECAPEAMENTO	N	-129.782	-129.782	-129.782
		Vy	0.012	0.012	0.012
		Vz	-40.476	-40.476	-40.476
		Mt	0.00	0.00	0.00
		My	2.65	7.71	12.77
		Mz	-0.02	-0.02	-0.02
	GUARDA-RODAS	N	-70.448	-70.448	-70.448
		Vy	0.006	0.006	0.006
		Vz	-21.969	-21.969	-21.969
		Mt	0.00	0.00	0.00
		My	1.44	4.18	6.93
		Mz	-0.01	-0.01	-0.01
	Vento 0	N	2.403	2.403	2.403
		Vy	4.209	4.322	4.434
		Vz	-6.252	-6.252	-6.252
		Mt	-0.10	-0.10	-0.10
		My	-0.59	0.20	0.98
		Mz	1.01	0.48	-0.07
	Vento 180	N	-4.088	-4.088	-4.088
		Vy	0.103	0.103	0.103
		Vz	7.960	7.960	7.960
		Mt	0.13	0.13	0.13
		My	1.05	0.05	-0.94
		Mz	-1.24	-1.25	-1.26
	Multidão - Passeio	N	-91.429	-91.429	-91.429
		Vy	0.008	0.008	0.008
		Vz	-28.508	-28.508	-28.508
		Mt	0.00	0.00	0.00
		My	1.87	5.43	8.99
		Mz	-0.02	-0.02	-0.02
	Multidão - TB450	N	-298.275	-298.275	-298.275
		Vy	0.027	0.027	0.027
		Vz	-93.032	-93.032	-93.032

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mt	0.00	0.00	0.00
		My	6.09	17.72	29.35
		Mz	-0.05	-0.05	-0.06
	TB-450 - A1	N	-38.173	-38.173	-38.173
		Vy	0.003	0.003	0.003
		Vz	-24.472	-24.472	-24.472
		Mt	0.00	0.00	0.00
		My	-4.83	-1.77	1.29
		Mz	-0.02	-0.02	-0.02
	TB-450 - A2	N	-16.156	-16.156	-16.156
		Vy	0.003	0.003	0.003
		Vz	-10.408	-10.408	-10.408
		Mt	0.00	0.00	0.00
		My	-2.05	-0.75	0.55
		Mz	0.01	0.01	0.01
	TB-450 - B1	N	-111.920	-111.920	-111.920
		Vy	0.008	0.008	0.008
		Vz	-71.653	-71.653	-71.653
		Mt	0.00	0.00	0.00
		My	-13.90	-4.94	4.01
		Mz	-0.05	-0.05	-0.05
	TB-450 - B2	N	-47.262	-47.262	-47.262
		Vy	0.009	0.009	0.009
		Vz	-30.448	-30.448	-30.448
		Mt	0.00	0.00	0.00
		My	-5.90	-2.09	1.71
		Mz	0.02	0.02	0.02
	TB-450 - C1	N	-180.169	-180.169	-180.169
		Vy	0.011	0.011	0.011
		Vz	-109.906	-109.906	-109.906
		Mt	0.00	0.00	0.00
		My	-10.52	3.21	16.95
		Mz	-0.08	-0.08	-0.08
	TB-450 - C2	N	-75.997	-75.997	-75.997
		Vy	0.012	0.012	0.012
		Vz	-46.601	-46.601	-46.601
		Mt	0.00	0.00	0.00
		My	-4.47	1.35	7.18
		Mz	0.03	0.03	0.03
	TB-450 - D1	N	-172.027	-172.027	-172.027
		Vy	0.007	0.007	0.007
		Vz	5.848	5.848	5.848
		Mt	0.00	0.00	0.00
		My	31.61	30.87	30.14
		Mz	-0.08	-0.08	-0.08
	TB-450 - D2	N	-72.471	-72.471	-72.471
		Vy	0.012	0.012	0.012
		Vz	2.321	2.321	2.321
		Mt	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		My	13.32	13.03	12.74
		Mz	0.04	0.04	0.04
	TB-450 - E1	N	-63.434	-63.434	-63.434
		Vy	0.002	0.002	0.002
		Vz	24.269	24.269	24.269
		Mt	0.00	0.00	0.00
		My	9.27	6.24	3.20
		Mz	-0.03	-0.03	-0.03
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N12/N242	Peso próprio	N	-220.991	-220.969	-220.948
		Vy	0.079	0.079	0.079
		Vz	-51.278	-51.046	-50.814
		Mt	0.00	0.00	0.00
		My	19.03	25.42	31.79
		Mz	0.10	0.09	0.08
	LAJE	N	-523.242	-523.242	-523.242
		Vy	-0.067	-0.067	-0.067
		Vz	-163.187	-163.187	-163.187
		Mt	0.00	0.00	0.00
		My	51.49	71.88	92.28
		Mz	-0.10	-0.09	-0.08
	PAVIMENTAÇÃO	N	-285.518	-285.518	-285.518
		Vy	-0.037	-0.037	-0.037
		Vz	-89.047	-89.047	-89.047
		Mt	0.00	0.00	0.00
		My	28.09	39.23	50.36
		Mz	-0.05	-0.05	-0.04
	RECAPEAMENTO	N	-129.781	-129.781	-129.781
		Vy	-0.017	-0.017	-0.017
		Vz	-40.476	-40.476	-40.476
		Mt	0.00	0.00	0.00
		My	12.77	17.83	22.89
		Mz	-0.02	-0.02	-0.02
	GUARDA-RODAS	N	-70.447	-70.447	-70.447
		Vy	-0.009	-0.009	-0.009
		Vz	-21.969	-21.969	-21.969
		Mt	0.00	0.00	0.00
		My	6.93	9.68	12.42
		Mz	-0.01	-0.01	-0.01
	Vento 0	N	6.416	6.416	6.416

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vy	2.572	2.684	2.797
		Vz	-6.252	-6.252	-6.252
		Mt	-0.10	-0.10	-0.10
		My	0.98	1.76	2.54
		Mz	-0.07	-0.40	-0.74
	Vento 180	N	-10.224	-10.224	-10.224
		Vy	-5.971	-5.971	-5.971
		Vz	7.960	7.960	7.960
		Mt	0.13	0.13	0.13
		My	-0.94	-1.94	-2.93
		Mz	-1.26	-0.52	0.23
	Multidão - Passeio	N	-91.428	-91.428	-91.428
		Vy	-0.012	-0.012	-0.012
		Vz	-28.508	-28.508	-28.508
		Mt	0.00	0.00	0.00
		My	8.99	12.56	16.12
		Mz	-0.02	-0.02	-0.01
	Multidão - TB450	N	-298.272	-298.272	-298.272
		Vy	-0.038	-0.038	-0.038
		Vz	-93.032	-93.032	-93.032
		Mt	0.00	0.00	0.00
		My	29.35	40.98	52.61
		Mz	-0.06	-0.05	-0.05
	TB-450 - A1	N	-38.199	-38.199	-38.199
		Vy	-0.035	-0.035	-0.035
		Vz	-24.472	-24.472	-24.472
		Mt	0.00	0.00	0.00
		My	1.29	4.35	7.41
		Mz	-0.02	-0.01	-0.01
	TB-450 - A2	N	-16.113	-16.113	-16.113
		Vy	0.026	0.026	0.026
		Vz	-10.408	-10.408	-10.408
		Mt	0.00	0.00	0.00
		My	0.55	1.85	3.15
		Mz	0.01	0.00	0.00
	TB-450 - B1	N	-112.000	-112.000	-112.000
		Vy	-0.103	-0.103	-0.103
		Vz	-71.653	-71.653	-71.653
		Mt	0.00	0.00	0.00
		My	4.01	12.97	21.93
		Mz	-0.05	-0.04	-0.03
	TB-450 - B2	N	-47.150	-47.150	-47.150
		Vy	0.077	0.077	0.077
		Vz	-30.448	-30.448	-30.448
		Mt	0.00	0.00	0.00
		My	1.71	5.52	9.32
		Mz	0.02	0.01	0.00
	TB-450 - C1	N	-180.307	-180.307	-180.307
		Vy	-0.161	-0.161	-0.161

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Vz	-109.906	-109.906	-109.906
		Mt	0.00	0.00	0.00
		My	16.95	30.69	44.43
		Mz	-0.08	-0.06	-0.04
	TB-450 - C2	N	-75.851	-75.851	-75.851
		Vy	0.127	0.127	0.127
		Vz	-46.601	-46.601	-46.601
		Mt	0.00	0.00	0.00
		My	7.18	13.00	18.83
		Mz	0.03	0.02	0.00
	TB-450 - D1	N	-172.183	-172.183	-172.183
		Vy	-0.119	-0.119	-0.119
		Vz	5.848	5.848	5.848
		Mt	0.00	0.00	0.00
		My	30.14	29.41	28.68
		Mz	-0.08	-0.06	-0.05
	TB-450 - D2	N	-72.418	-72.418	-72.418
		Vy	0.093	0.093	0.093
		Vz	2.321	2.321	2.321
		Mt	0.00	0.00	0.00
		My	12.74	12.45	12.16
		Mz	0.04	0.03	0.02
	TB-450 - E1	N	-63.500	-63.500	-63.500
		Vy	-0.042	-0.042	-0.042
		Vz	24.269	24.269	24.269
		Mt	0.00	0.00	0.00
		My	3.20	0.17	-2.86
		Mz	-0.03	-0.02	-0.02
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N242/N11	Peso próprio	N	-225.300	-225.270	-225.239	-225.208	-225.178	-225.147	-225.117
		Vy	0.075	0.075	0.075	0.075	0.075	0.075	0.075
		Vz	3.020	3.346	3.673	3.999	4.326	4.652	4.978
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	24.20	23.64	23.03	22.35	21.62	20.83	19.98
		Mz	0.08	0.06	0.05	0.04	0.02	0.01	0.00
	LAJE	N	-539.017	-539.017	-539.017	-539.017	-539.017	-539.017	-539.017
		Vy	-0.067	-0.067	-0.067	-0.067	-0.067	-0.067	-0.067
		Vz	13.154	13.154	13.154	13.154	13.154	13.154	13.154
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	66.28	63.96	61.65	59.34	57.02	54.71	52.39
		Mz	-0.08	-0.07	-0.06	-0.05	-0.03	-0.02	-0.01

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
	PAVIMENTAÇÃO	N	-294.126	-294.126	-294.126	-294.126	-294.126	-294.126	-294.126
		Vy	-0.037	-0.037	-0.037	-0.037	-0.037	-0.037	-0.037
		Vz	7.177	7.177	7.177	7.177	7.177	7.177	7.177
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	36.17	34.90	33.64	32.38	31.12	29.85	28.59
		Mz	-0.04	-0.04	-0.03	-0.03	-0.02	-0.01	-0.01
	RECAPEAMENTO	N	-133.694	-133.694	-133.694	-133.694	-133.694	-133.694	-133.694
		Vy	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017
		Vz	3.262	3.262	3.262	3.262	3.262	3.262	3.262
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	16.44	15.87	15.29	14.72	14.14	13.57	13.00
		Mz	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.00
	GUARDA-RODAS	N	-72.570	-72.570	-72.570	-72.570	-72.570	-72.570	-72.570
		Vy	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		Vz	1.771	1.771	1.771	1.771	1.771	1.771	1.771
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.92	8.61	8.30	7.99	7.68	7.36	7.05
		Mz	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
	Vento 0	N	5.829	5.829	5.829	5.829	5.829	5.829	5.829
		Vy	5.533	5.692	5.850	6.009	6.167	6.325	6.484
		Vz	-0.060	-0.060	-0.060	-0.060	-0.060	-0.060	-0.060
		Mt	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
		My	1.54	1.55	1.56	1.57	1.58	1.59	1.60
		Mz	-0.70	-1.69	-2.70	-3.75	-4.82	-5.92	-7.04
	Vento 180	N	-9.436	-9.436	-9.436	-9.436	-9.436	-9.436	-9.436
		Vy	-5.958	-5.958	-5.958	-5.958	-5.958	-5.958	-5.958
		Vz	-0.073	-0.073	-0.073	-0.073	-0.073	-0.073	-0.073
		Mt	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		My	-1.56	-1.55	-1.54	-1.53	-1.51	-1.50	-1.49
		Mz	0.19	1.24	2.29	3.34	4.39	5.43	6.48
	Multidão - Passeio	N	-94.183	-94.183	-94.183	-94.183	-94.183	-94.183	-94.183
		Vy	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Vz	2.300	2.300	2.300	2.300	2.300	2.300	2.300
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.58	11.17	10.77	10.36	9.96	9.55	9.15
		Mz	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00
	Multidão - TB450	N	-307.265	-307.265	-307.265	-307.265	-307.265	-307.265	-307.265
		Vy	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038
		Vz	7.496	7.496	7.496	7.496	7.496	7.496	7.496
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	37.79	36.47	35.15	33.83	32.51	31.19	29.87
		Mz	-0.05	-0.04	-0.03	-0.03	-0.02	-0.01	-0.01
	TB-450 - A1	N	-40.922	-40.922	-40.922	-40.922	-40.922	-40.922	-40.922
		Vy	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034
		Vz	1.878	1.878	1.878	1.878	1.878	1.878	1.878
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.63	2.30	1.97	1.64	1.31	0.98	0.65
		Mz	-0.01	0.00	0.00	0.01	0.01	0.02	0.03
	TB-450 - A2	N	-17.271	-17.271	-17.271	-17.271	-17.271	-17.271	-17.271
		Vy	0.025	0.025	0.025	0.025	0.025	0.025	0.025
		Vz	0.798	0.798	0.798	0.798	0.798	0.798	0.798
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		My	1.12	0.98	0.84	0.70	0.56	0.42	0.28
		Mz	0.00	-0.01	-0.01	-0.01	-0.02	-0.02	-0.03
	TB-450 - B1	N	-119.915	-119.915	-119.915	-119.915	-119.915	-119.915	-119.915
		Vy	-0.097	-0.097	-0.097	-0.097	-0.097	-0.097	-0.097
		Vz	4.968	4.968	4.968	4.968	4.968	4.968	4.968
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	8.03	7.15	6.28	5.40	4.53	3.66	2.78
		Mz	-0.03	-0.01	0.01	0.02	0.04	0.06	0.07
	TB-450 - B2	N	-50.513	-50.513	-50.513	-50.513	-50.513	-50.513	-50.513
		Vy	0.071	0.071	0.071	0.071	0.071	0.071	0.071
		Vz	2.103	2.103	2.103	2.103	2.103	2.103	2.103
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	3.42	3.05	2.68	2.31	1.94	1.57	1.20
		Mz	0.00	-0.01	-0.03	-0.04	-0.05	-0.06	-0.08
	TB-450 - C1	N	-190.808	-190.808	-190.808	-190.808	-190.808	-190.808	-190.808
		Vy	-0.153	-0.153	-0.153	-0.153	-0.153	-0.153	-0.153
		Vz	1.348	1.348	1.348	1.348	1.348	1.348	1.348
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	26.79	26.55	26.32	26.08	25.84	25.61	25.37
		Mz	-0.04	-0.01	0.01	0.04	0.07	0.09	0.12
	TB-450 - C2	N	-80.306	-80.306	-80.306	-80.306	-80.306	-80.306	-80.306
		Vy	0.119	0.119	0.119	0.119	0.119	0.119	0.119
		Vz	0.571	0.571	0.571	0.571	0.571	0.571	0.571
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	11.34	11.24	11.14	11.04	10.94	10.84	10.74
		Mz	0.00	-0.02	-0.04	-0.06	-0.08	-0.10	-0.12
	TB-450 - D1	N	-170.771	-170.771	-170.771	-170.771	-170.771	-170.771	-170.771
		Vy	-0.115	-0.115	-0.115	-0.115	-0.115	-0.115	-0.115
		Vz	6.043	6.043	6.043	6.043	6.043	6.043	6.043
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	31.98	30.92	29.85	28.79	27.73	26.66	25.60
		Mz	-0.05	-0.03	-0.01	0.01	0.03	0.05	0.07
	TB-450 - D2	N	-71.837	-71.837	-71.837	-71.837	-71.837	-71.837	-71.837
		Vy	0.088	0.088	0.088	0.088	0.088	0.088	0.088
		Vz	2.551	2.551	2.551	2.551	2.551	2.551	2.551
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.53	13.08	12.63	12.18	11.73	11.28	10.84
		Mz	0.02	0.00	-0.01	-0.03	-0.04	-0.06	-0.08
	TB-450 - E1	N	-60.774	-60.774	-60.774	-60.774	-60.774	-60.774	-60.774
		Vy	-0.039	-0.039	-0.039	-0.039	-0.039	-0.039	-0.039
		Vz	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.13	2.14	2.14	2.15	2.16	2.16	2.17
		Mz	-0.02	-0.01	-0.01	0.00	0.01	0.01	0.02
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N11/N243	Peso próprio	N	-225.117	-225.086	-225.055	-225.025	-224.994	-224.963	-224.933
		Vy	0.075	0.075	0.075	0.075	0.075	0.075	0.075
		Vz	4.978	5.305	5.631	5.957	6.284	6.610	6.936
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	19.98	19.08	18.12	17.10	16.02	14.89	13.69
		Mz	0.00	-0.02	-0.03	-0.04	-0.06	-0.07	-0.08
	LAJE	N	-539.017	-539.017	-539.017	-539.017	-539.017	-539.017	-539.017
		Vy	-0.067	-0.067	-0.067	-0.067	-0.067	-0.067	-0.067
		Vz	13.154	13.154	13.154	13.154	13.154	13.154	13.154
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	52.39	50.08	47.76	45.45	43.14	40.82	38.51
		Mz	-0.01	0.00	0.01	0.02	0.04	0.05	0.06
	PAVIMENTAÇÃO	N	-294.126	-294.126	-294.126	-294.126	-294.126	-294.126	-294.126
		Vy	-0.037	-0.037	-0.037	-0.037	-0.037	-0.037	-0.037
		Vz	7.177	7.177	7.177	7.177	7.177	7.177	7.177
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	28.59	27.33	26.06	24.80	23.54	22.28	21.01
		Mz	-0.01	0.00	0.01	0.01	0.02	0.03	0.03
	RECAPEAMENTO	N	-133.694	-133.694	-133.694	-133.694	-133.694	-133.694	-133.694
		Vy	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017	-0.017
		Vz	3.262	3.262	3.262	3.262	3.262	3.262	3.262
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	13.00	12.42	11.85	11.27	10.70	10.13	9.55
		Mz	0.00	0.00	0.00	0.01	0.01	0.01	0.02
	GUARDA-RODAS	N	-72.570	-72.570	-72.570	-72.570	-72.570	-72.570	-72.570
		Vy	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		Vz	1.771	1.771	1.771	1.771	1.771	1.771	1.771
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	7.05	6.74	6.43	6.12	5.81	5.49	5.18
		Mz	0.00	0.00	0.00	0.00	0.00	0.01	0.01
	Vento 0	N	5.829	5.829	5.829	5.829	5.829	5.829	5.829
		Vy	6.484	6.642	6.800	6.959	7.117	7.275	7.434
		Vz	-0.060	-0.060	-0.060	-0.060	-0.060	-0.060	-0.060
		Mt	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
		My	1.60	1.61	1.62	1.63	1.64	1.65	1.66
		Mz	-7.04	-8.20	-9.38	-10.59	-11.83	-13.10	-14.39
	Vento 180	N	-9.436	-9.436	-9.436	-9.436	-9.436	-9.436	-9.436
		Vy	-5.958	-5.958	-5.958	-5.958	-5.958	-5.958	-5.958
		Vz	-0.073	-0.073	-0.073	-0.073	-0.073	-0.073	-0.073
		Mt	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		My	-1.49	-1.47	-1.46	-1.45	-1.44	-1.42	-1.41
		Mz	6.48	7.53	8.58	9.63	10.68	11.72	12.77
	Multidão - Passeio	N	-94.183	-94.183	-94.183	-94.183	-94.183	-94.183	-94.183
		Vy	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Vz	2.300	2.300	2.300	2.300	2.300	2.300	2.300
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	9.15	8.75	8.34	7.94	7.53	7.13	6.72
		Mz	0.00	0.00	0.00	0.00	0.01	0.01	0.01
	Multidão - TB450	N	-307.265	-307.265	-307.265	-307.265	-307.265	-307.265	-307.265
		Vy	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038
		Vz	7.496	7.496	7.496	7.496	7.496	7.496	7.496
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		My	29.87	28.55	27.23	25.92	24.60	23.28	21.96
		Mz	-0.01	0.00	0.01	0.01	0.02	0.03	0.03
	TB-450 - A1	N	-40.922	-40.922	-40.922	-40.922	-40.922	-40.922	-40.922
		Vy	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034
		Vz	1.878	1.878	1.878	1.878	1.878	1.878	1.878
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.65	0.32	-0.01	-0.34	-0.67	-1.00	-1.33
		Mz	0.03	0.03	0.04	0.04	0.05	0.06	0.06
	TB-450 - A2	N	-17.271	-17.271	-17.271	-17.271	-17.271	-17.271	-17.271
		Vy	0.025	0.025	0.025	0.025	0.025	0.025	0.025
		Vz	0.798	0.798	0.798	0.798	0.798	0.798	0.798
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.28	0.14	-0.01	-0.15	-0.29	-0.43	-0.57
		Mz	-0.03	-0.03	-0.04	-0.04	-0.04	-0.05	-0.05
	TB-450 - B1	N	-119.915	-119.915	-119.915	-119.915	-119.915	-119.915	-119.915
		Vy	-0.097	-0.097	-0.097	-0.097	-0.097	-0.097	-0.097
		Vz	4.968	4.968	4.968	4.968	4.968	4.968	4.968
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.78	1.91	1.03	0.16	-0.72	-1.59	-2.46
		Mz	0.07	0.09	0.11	0.13	0.14	0.16	0.18
	TB-450 - B2	N	-50.513	-50.513	-50.513	-50.513	-50.513	-50.513	-50.513
		Vy	0.071	0.071	0.071	0.071	0.071	0.071	0.071
		Vz	2.103	2.103	2.103	2.103	2.103	2.103	2.103
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	1.20	0.83	0.46	0.09	-0.28	-0.65	-1.02
		Mz	-0.08	-0.09	-0.10	-0.11	-0.13	-0.14	-0.15
	TB-450 - C1	N	-190.808	-190.808	-190.808	-190.808	-190.808	-190.808	-190.808
		Vy	-0.153	-0.153	-0.153	-0.153	-0.153	-0.153	-0.153
		Vz	1.348	1.348	1.348	1.348	1.348	1.348	1.348
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.37	25.13	24.89	24.66	24.42	24.18	23.95
		Mz	0.12	0.15	0.17	0.20	0.23	0.26	0.28
	TB-450 - C2	N	-80.306	-80.306	-80.306	-80.306	-80.306	-80.306	-80.306
		Vy	0.119	0.119	0.119	0.119	0.119	0.119	0.119
		Vz	0.571	0.571	0.571	0.571	0.571	0.571	0.571
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	10.74	10.64	10.54	10.44	10.34	10.24	10.14
		Mz	-0.12	-0.15	-0.17	-0.19	-0.21	-0.23	-0.25
	TB-450 - D1	N	-170.771	-170.771	-170.771	-170.771	-170.771	-170.771	-170.771
		Vy	-0.115	-0.115	-0.115	-0.115	-0.115	-0.115	-0.115
		Vz	6.043	6.043	6.043	6.043	6.043	6.043	6.043
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	25.60	24.54	23.47	22.41	21.35	20.28	19.22
		Mz	0.07	0.09	0.11	0.13	0.15	0.17	0.19
	TB-450 - D2	N	-71.837	-71.837	-71.837	-71.837	-71.837	-71.837	-71.837
		Vy	0.088	0.088	0.088	0.088	0.088	0.088	0.088
		Vz	2.551	2.551	2.551	2.551	2.551	2.551	2.551
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	10.84	10.39	9.94	9.49	9.04	8.59	8.14
		Mz	-0.08	-0.09	-0.11	-0.12	-0.14	-0.15	-0.17
	TB-450 - E1	N	-60.774	-60.774	-60.774	-60.774	-60.774	-60.774	-60.774
		Vy	-0.039	-0.039	-0.039	-0.039	-0.039	-0.039	-0.039

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Esforços em barras, por hipóteses/ações								
Barra	Hipótese	Esforço	Posições na barra					
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Vz	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	2.17	2.17	2.18	2.19	2.19	2.20	2.21
		Mz	0.02	0.03	0.03	0.04	0.05	0.05	0.06
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N243/N10	Peso próprio	N	-225.586	-225.565	-225.543
		Vy	0.071	0.071	0.071
		Vz	10.974	11.206	11.438
		Mt	-0.01	-0.01	-0.01
		My	10.54	9.15	7.74
		Mz	-0.08	-0.09	-0.10
	LAJE	N	-544.274	-544.274	-544.274
		Vy	-0.067	-0.067	-0.067
		Vz	8.764	8.764	8.764
		Mt	0.00	0.00	0.00
		My	27.40	26.30	25.21
		Mz	0.06	0.07	0.08
	PAVIMENTAÇÃO	N	-296.995	-296.995	-296.995
		Vy	-0.036	-0.036	-0.036
		Vz	4.782	4.782	4.782
		Mt	0.00	0.00	0.00
		My	14.95	14.35	13.76
		Mz	0.03	0.04	0.04
	RECAPEAMENTO	N	-134.998	-134.998	-134.998
		Vy	-0.017	-0.017	-0.017
		Vz	2.173	2.173	2.173
		Mt	0.00	0.00	0.00
		My	6.80	6.52	6.25
		Mz	0.01	0.02	0.02
	GUARDA-RODAS	N	-73.278	-73.278	-73.278
		Vy	-0.009	-0.009	-0.009
		Vz	1.181	1.181	1.181
		Mt	0.00	0.00	0.00
		My	3.69	3.54	3.39
		Mz	0.01	0.01	0.01
	Vento 0	N	5.272	5.272	5.272
		Vy	10.087	10.200	10.312
		Vz	-1.791	-1.791	-1.791
		Mt	-1.26	-1.26	-1.26
		My	1.23	1.45	1.68

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mz	-14.10	-15.36	-16.65
	Vento 180	N	-8.291	-8.291	-8.291
		Vy	-5.818	-5.818	-5.818
		Vz	3.661	3.661	3.661
		Mt	1.06	1.06	1.06
		My	-0.59	-1.05	-1.51
		Mz	12.51	13.24	13.97
	Multidão - Passeio	N	-95.101	-95.101	-95.101
		Vy	-0.012	-0.012	-0.012
		Vz	1.535	1.535	1.535
		Mt	0.00	0.00	0.00
		My	4.78	4.59	4.40
		Mz	0.01	0.01	0.01
	Multidão - TB450	N	-310.263	-310.263	-310.263
		Vy	-0.038	-0.038	-0.038
		Vz	4.990	4.990	4.990
		Mt	0.00	0.00	0.00
		My	15.63	15.00	14.38
		Mz	0.03	0.04	0.04
	TB-450 - A1	N	-47.267	-47.267	-47.267
		Vy	-0.033	-0.033	-0.033
		Vz	-19.163	-19.163	-19.163
		Mt	0.01	0.01	0.01
		My	-5.86	-3.46	-1.07
		Mz	0.06	0.06	0.07
	TB-450 - A2	N	-19.965	-19.965	-19.965
		Vy	0.023	0.023	0.023
		Vz	-8.134	-8.134	-8.134
		Mt	-0.01	-0.01	-0.01
		My	-2.49	-1.47	-0.45
		Mz	-0.05	-0.05	-0.06
	TB-450 - B1	N	-138.124	-138.124	-138.124
		Vy	-0.090	-0.090	-0.090
		Vz	-55.495	-55.495	-55.495
		Mt	0.02	0.02	0.02
		My	-15.36	-8.42	-1.48
		Mz	0.17	0.18	0.19
	TB-450 - B2	N	-58.239	-58.239	-58.239
		Vy	0.065	0.065	0.065
		Vz	-23.551	-23.551	-23.551
		Mt	-0.02	-0.02	-0.02
		My	-6.49	-3.55	-0.60
		Mz	-0.15	-0.15	-0.16
	TB-450 - C1	N	-201.168	-201.168	-201.168
		Vy	-0.143	-0.143	-0.143
		Vz	-28.068	-28.068	-28.068
		Mt	0.03	0.03	0.03
		My	14.12	17.63	21.14
		Mz	0.27	0.29	0.31

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
	TB-450 - C2	N	-84.718	-84.718	-84.718
		Vy	0.110	0.110	0.110
		Vz	-11.974	-11.974	-11.974
		Mt	-0.03	-0.03	-0.03
		My	5.97	7.46	8.96
		Mz	-0.24	-0.26	-0.27
	TB-450 - D1	N	-150.173	-150.173	-150.173
		Vy	-0.110	-0.110	-0.110
		Vz	81.833	81.833	81.833
		Mt	0.02	0.02	0.02
		My	29.40	19.17	8.94
		Mz	0.19	0.20	0.21
	TB-450 - D2	N	-63.160	-63.160	-63.160
		Vy	0.083	0.083	0.083
		Vz	34.486	34.486	34.486
		Mt	-0.02	-0.02	-0.02
		My	12.42	8.11	3.80
		Mz	-0.16	-0.17	-0.18
	TB-450 - E1	N	-52.064	-52.064	-52.064
		Vy	-0.035	-0.035	-0.035
		Vz	30.596	30.596	30.596
		Mt	0.01	0.01	0.01
		My	7.32	3.49	-0.33
		Mz	0.06	0.06	0.07
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N18/N236	Peso próprio	N	-105.660	-105.613	-105.566
		Vy	0.265	0.265	0.265
		Vz	-262.651	-262.147	-261.644
		Mt	1.52	1.52	1.52
		My	-137.88	-105.08	-72.35
		Mz	0.18	0.14	0.11
	LAJE	N	-200.990	-200.990	-200.990
		Vy	-0.131	-0.131	-0.131
		Vz	-518.239	-518.239	-518.239
		Mt	-0.01	-0.01	-0.01
		My	-268.84	-204.06	-139.28
		Mz	-0.39	-0.38	-0.36
	PAVIMENTAÇÃO	N	-109.675	-109.675	-109.675
		Vy	-0.071	-0.071	-0.071
		Vz	-282.790	-282.790	-282.790

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mt	0.00	0.00	0.00
		My	-146.70	-111.35	-76.00
		Mz	-0.22	-0.21	-0.20
	RECAPEAMENTO	N	-49.852	-49.852	-49.852
		Vy	-0.032	-0.032	-0.032
		Vz	-128.541	-128.541	-128.541
		Mt	0.00	0.00	0.00
		My	-66.68	-50.61	-34.55
		Mz	-0.10	-0.09	-0.09
	GUARDA-RODAS	N	-27.057	-27.057	-27.057
		Vy	-0.018	-0.018	-0.018
		Vz	-69.765	-69.765	-69.765
		Mt	0.00	0.00	0.00
		My	-36.19	-27.47	-18.75
		Mz	-0.05	-0.05	-0.05
	Vento 0	N	-8.069	-8.069	-8.069
		Vy	4.659	4.771	4.884
		Vz	-6.635	-6.635	-6.635
		Mt	25.42	25.42	25.42
		My	-8.81	-7.98	-7.15
		Mz	18.83	18.24	17.64
	Vento 180	N	-0.780	-0.780	-0.780
		Vy	-7.131	-7.131	-7.131
		Vz	8.561	8.561	8.561
		Mt	-21.11	-21.11	-21.11
		My	8.88	7.81	6.74
		Mz	-14.66	-13.77	-12.88
	Multidão - Passeio	N	-35.111	-35.111	-35.111
		Vy	-0.023	-0.023	-0.023
		Vz	-90.531	-90.531	-90.531
		Mt	0.00	0.00	0.00
		My	-46.97	-35.65	-24.33
		Mz	-0.07	-0.07	-0.06
	Multidão - TB450	N	-114.585	-114.585	-114.585
		Vy	-0.074	-0.074	-0.074
		Vz	-295.452	-295.452	-295.452
		Mt	0.00	0.00	0.00
		My	-153.26	-116.33	-79.40
		Mz	-0.22	-0.22	-0.21
	TB-450 - A1	N	-10.138	-10.138	-10.138
		Vy	-0.019	-0.019	-0.019
		Vz	-26.237	-26.237	-26.237
		Mt	-0.05	-0.05	-0.05
		My	-14.02	-10.74	-7.47
		Mz	-0.05	-0.05	-0.04
	TB-450 - A2	N	-4.322	-4.322	-4.322
		Vy	0.005	0.005	0.005
		Vz	-11.156	-11.156	-11.156
		Mt	0.05	0.05	0.05

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		My	-5.98	-4.58	-3.19
		Mz	0.01	0.01	0.00
	TB-450 - B1	N	-29.800	-29.800	-29.800
		Vy	-0.049	-0.049	-0.049
		Vz	-77.101	-77.101	-77.101
		Mt	-0.09	-0.09	-0.09
		My	-41.20	-31.57	-21.93
		Mz	-0.14	-0.13	-0.13
	TB-450 - B2	N	-12.693	-12.693	-12.693
		Vy	0.009	0.009	0.009
		Vz	-32.780	-32.780	-32.780
		Mt	0.09	0.09	0.09
		My	-17.54	-13.45	-9.35
		Mz	0.02	0.02	0.02
	TB-450 - C1	N	-49.243	-49.243	-49.243
		Vy	-0.051	-0.051	-0.051
		Vz	-127.375	-127.375	-127.375
		Mt	-0.11	-0.11	-0.11
		My	-68.05	-52.13	-36.20
		Mz	-0.16	-0.15	-0.15
	TB-450 - C2	N	-20.902	-20.902	-20.902
		Vy	-0.007	-0.007	-0.007
		Vz	-54.019	-54.019	-54.019
		Mt	0.11	0.11	0.11
		My	-28.88	-22.13	-15.38
		Mz	-0.02	-0.01	-0.01
	TB-450 - D1	N	-68.591	-68.591	-68.591
		Vy	-0.032	-0.032	-0.032
		Vz	-177.932	-177.932	-177.932
		Mt	-0.07	-0.07	-0.07
		My	-93.65	-71.41	-49.17
		Mz	-0.13	-0.13	-0.12
	TB-450 - D2	N	-29.019	-29.019	-29.019
		Vy	-0.027	-0.027	-0.027
		Vz	-75.268	-75.268	-75.268
		Mt	0.07	0.07	0.07
		My	-39.62	-30.21	-20.81
		Mz	-0.05	-0.05	-0.04
	TB-450 - E1	N	-59.205	-59.205	-59.205
		Vy	-0.005	-0.005	-0.005
		Vz	-150.907	-150.907	-150.907
		Mt	-0.05	-0.05	-0.05
		My	-73.29	-54.42	-35.56
		Mz	-0.04	-0.04	-0.04
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mz	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N236/N17	Peso próprio	N	-130.701	-130.635	-130.568	-130.502	-130.435	-130.369	-130.302
		Vy	0.030	0.030	0.030	0.030	0.030	0.030	0.030
		Vz	-48.348	-47.640	-46.932	-46.224	-45.515	-44.807	-44.099
		Mt	0.06	0.06	0.06	0.06	0.06	0.06	0.06
		My	-115.82	-107.37	-99.05	-90.86	-82.79	-74.84	-67.02
		Mz	0.05	0.04	0.04	0.03	0.03	0.02	0.02
	LAJE	N	-259.776	-259.776	-259.776	-259.776	-259.776	-259.776	-259.776
		Vy	-0.131	-0.131	-0.131	-0.131	-0.131	-0.131	-0.131
		Vz	-82.114	-82.114	-82.114	-82.114	-82.114	-82.114	-82.114
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-246.62	-232.17	-217.73	-203.28	-188.83	-174.38	-159.93
		Mz	-0.36	-0.34	-0.31	-0.29	-0.27	-0.24	-0.22
	PAVIMENTAÇÃO	N	-141.753	-141.753	-141.753	-141.753	-141.753	-141.753	-141.753
		Vy	-0.072	-0.072	-0.072	-0.072	-0.072	-0.072	-0.072
		Vz	-44.808	-44.808	-44.808	-44.808	-44.808	-44.808	-44.808
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-134.57	-126.69	-118.81	-110.92	-103.04	-95.15	-87.27
		Mz	-0.20	-0.18	-0.17	-0.16	-0.15	-0.13	-0.12
	RECAPEAMENTO	N	-64.433	-64.433	-64.433	-64.433	-64.433	-64.433	-64.433
		Vy	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033
		Vz	-20.367	-20.367	-20.367	-20.367	-20.367	-20.367	-20.367
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-61.17	-57.59	-54.00	-50.42	-46.84	-43.25	-39.67
		Mz	-0.09	-0.08	-0.08	-0.07	-0.07	-0.06	-0.05
	GUARDA-RODAS	N	-34.972	-34.972	-34.972	-34.972	-34.972	-34.972	-34.972
		Vy	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018
		Vz	-11.054	-11.054	-11.054	-11.054	-11.054	-11.054	-11.054
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-33.20	-31.26	-29.31	-27.37	-25.42	-23.48	-21.53
		Mz	-0.05	-0.05	-0.04	-0.04	-0.04	-0.03	-0.03
	Vento 0	N	-8.648	-8.648	-8.648	-8.648	-8.648	-8.648	-8.648
		Vy	3.636	3.794	3.953	4.111	4.269	4.428	4.586
		Vz	-2.668	-2.668	-2.668	-2.668	-2.668	-2.668	-2.668
		Mt	0.17	0.17	0.17	0.17	0.17	0.17	0.17
		My	-7.54	-7.07	-6.60	-6.13	-5.67	-5.20	-4.73
		Mz	16.92	16.26	15.58	14.87	14.13	13.37	12.58
	Vento 180	N	0.107	0.107	0.107	0.107	0.107	0.107	0.107
		Vy	-3.797	-3.797	-3.797	-3.797	-3.797	-3.797	-3.797
		Vz	2.618	2.618	2.618	2.618	2.618	2.618	2.618
		Mt	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71
		My	7.88	7.42	6.95	6.49	6.03	5.57	5.11
		Mz	-12.27	-11.60	-10.94	-10.27	-9.60	-8.93	-8.26
	Multidão - Passeio	N	-45.383	-45.383	-45.383	-45.383	-45.383	-45.383	-45.383
		Vy	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023
		Vz	-14.343	-14.343	-14.343	-14.343	-14.343	-14.343	-14.343
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		My	-43.09	-40.57	-38.04	-35.52	-33.00	-30.47	-27.95
		Mz	-0.06	-0.06	-0.05	-0.05	-0.05	-0.04	-0.04
	Multidão - TB450	N	-148.096	-148.096	-148.096	-148.096	-148.096	-148.096	-148.096
		Vy	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075
		Vz	-46.816	-46.816	-46.816	-46.816	-46.816	-46.816	-46.816
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-140.59	-132.35	-124.11	-115.87	-107.64	-99.40	-91.16
		Mz	-0.20	-0.19	-0.18	-0.16	-0.15	-0.14	-0.13
	TB-450 - A1	N	-13.573	-13.573	-13.573	-13.573	-13.573	-13.573	-13.573
		Vy	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Vz	-3.609	-3.609	-3.609	-3.609	-3.609	-3.609	-3.609
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-14.25	-13.61	-12.98	-12.34	-11.71	-11.07	-10.44
		Mz	-0.04	-0.04	-0.04	-0.04	-0.03	-0.03	-0.03
	TB-450 - A2	N	-5.785	-5.785	-5.785	-5.785	-5.785	-5.785	-5.785
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-1.538	-1.538	-1.538	-1.538	-1.538	-1.538	-1.538
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-6.08	-5.81	-5.54	-5.27	-5.00	-4.73	-4.46
		Mz	0.00	0.00	0.00	0.00	0.01	0.01	0.01
	TB-450 - B1	N	-39.879	-39.879	-39.879	-39.879	-39.879	-39.879	-39.879
		Vy	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034
		Vz	-10.621	-10.621	-10.621	-10.621	-10.621	-10.621	-10.621
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-41.82	-39.95	-38.08	-36.21	-34.34	-32.47	-30.60
		Mz	-0.12	-0.12	-0.11	-0.11	-0.10	-0.09	-0.09
	TB-450 - B2	N	-16.973	-16.973	-16.973	-16.973	-16.973	-16.973	-16.973
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	-4.528	-4.528	-4.528	-4.528	-4.528	-4.528	-4.528
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-17.79	-16.99	-16.19	-15.40	-14.60	-13.80	-13.01
		Mz	0.02	0.02	0.02	0.02	0.02	0.02	0.02
	TB-450 - C1	N	-65.862	-65.862	-65.862	-65.862	-65.862	-65.862	-65.862
		Vy	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035
		Vz	-17.651	-17.651	-17.651	-17.651	-17.651	-17.651	-17.651
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-68.98	-65.87	-62.76	-59.66	-56.55	-53.45	-50.34
		Mz	-0.14	-0.14	-0.13	-0.12	-0.12	-0.11	-0.11
	TB-450 - C2	N	-27.943	-27.943	-27.943	-27.943	-27.943	-27.943	-27.943
		Vy	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024
		Vz	-7.499	-7.499	-7.499	-7.499	-7.499	-7.499	-7.499
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-29.25	-27.93	-26.61	-25.29	-23.97	-22.65	-21.33
		Mz	-0.02	-0.01	-0.01	0.00	0.00	0.00	0.01
	TB-450 - D1	N	-90.738	-90.738	-90.738	-90.738	-90.738	-90.738	-90.738
		Vy	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022
		Vz	-29.195	-29.195	-29.195	-29.195	-29.195	-29.195	-29.195
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-92.19	-87.05	-81.92	-76.78	-71.64	-66.51	-61.37
		Mz	-0.12	-0.11	-0.11	-0.11	-0.10	-0.10	-0.09
	TB-450 - D2	N	-38.381	-38.381	-38.381	-38.381	-38.381	-38.381	-38.381
		Vy	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Vz	-12.354	-12.354	-12.354	-12.354	-12.354	-12.354	-12.354
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-38.98	-36.81	-34.64	-32.46	-30.29	-28.12	-25.94
		Mz	-0.05	-0.04	-0.03	-0.03	-0.02	-0.01	-0.01
	TB-450 - E1	N	-70.395	-70.395	-70.395	-70.395	-70.395	-70.395	-70.395
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-27.571	-27.571	-27.571	-27.571	-27.571	-27.571	-27.571
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-48.99	-44.13	-39.28	-34.43	-29.58	-24.73	-19.88
		Mz	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N17/N237	Peso próprio	N	-130.302	-130.236	-130.169	-130.103	-130.036	-129.970	-129.903
		Vy	0.030	0.030	0.030	0.030	0.030	0.030	0.030
		Vz	-44.099	-43.391	-42.682	-41.974	-41.266	-40.558	-39.849
		Mt	0.06	0.06	0.06	0.06	0.06	0.06	0.06
		My	-67.02	-59.32	-51.75	-44.30	-36.98	-29.78	-22.71
		Mz	0.02	0.01	0.01	0.00	0.00	-0.01	-0.02
	LAJE	N	-259.776	-259.776	-259.776	-259.776	-259.776	-259.776	-259.776
		Vy	-0.131	-0.131	-0.131	-0.131	-0.131	-0.131	-0.131
		Vz	-82.114	-82.114	-82.114	-82.114	-82.114	-82.114	-82.114
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-159.93	-145.49	-131.04	-116.59	-102.14	-87.69	-73.24
		Mz	-0.22	-0.20	-0.17	-0.15	-0.13	-0.10	-0.08
	PAVIMENTAÇÃO	N	-141.753	-141.753	-141.753	-141.753	-141.753	-141.753	-141.753
		Vy	-0.072	-0.072	-0.072	-0.072	-0.072	-0.072	-0.072
		Vz	-44.808	-44.808	-44.808	-44.808	-44.808	-44.808	-44.808
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-87.27	-79.39	-71.50	-63.62	-55.73	-47.85	-39.97
		Mz	-0.12	-0.11	-0.09	-0.08	-0.07	-0.06	-0.04
	RECAPEAMENTO	N	-64.433	-64.433	-64.433	-64.433	-64.433	-64.433	-64.433
		Vy	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033
		Vz	-20.367	-20.367	-20.367	-20.367	-20.367	-20.367	-20.367
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-39.67	-36.08	-32.50	-28.92	-25.33	-21.75	-18.17
		Mz	-0.05	-0.05	-0.04	-0.04	-0.03	-0.03	-0.02
	GUARDA-RODAS	N	-34.972	-34.972	-34.972	-34.972	-34.972	-34.972	-34.972
		Vy	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018
		Vz	-11.054	-11.054	-11.054	-11.054	-11.054	-11.054	-11.054
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-21.53	-19.59	-17.64	-15.70	-13.75	-11.81	-9.86
		Mz	-0.03	-0.03	-0.02	-0.02	-0.02	-0.01	-0.01
	Vento 0	N	-8.648	-8.648	-8.648	-8.648	-8.648	-8.648	-8.648

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Vy	4.586	4.745	4.903	5.061	5.220	5.378	5.536
		Vz	-2.668	-2.668	-2.668	-2.668	-2.668	-2.668	-2.668
		Mt	0.17	0.17	0.17	0.17	0.17	0.17	0.17
		My	-4.73	-4.26	-3.79	-3.32	-2.85	-2.38	-1.91
		Mz	12.58	11.75	10.91	10.03	9.12	8.19	7.23
	Vento 180	N	0.107	0.107	0.107	0.107	0.107	0.107	0.107
		Vy	-3.797	-3.797	-3.797	-3.797	-3.797	-3.797	-3.797
		Vz	2.618	2.618	2.618	2.618	2.618	2.618	2.618
		Mt	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71
		My	5.11	4.65	4.19	3.73	3.27	2.81	2.35
		Mz	-8.26	-7.60	-6.93	-6.26	-5.59	-4.92	-4.25
	Multidão - Passeio	N	-45.383	-45.383	-45.383	-45.383	-45.383	-45.383	-45.383
		Vy	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023
		Vz	-14.343	-14.343	-14.343	-14.343	-14.343	-14.343	-14.343
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-27.95	-25.43	-22.90	-20.38	-17.86	-15.33	-12.81
		Mz	-0.04	-0.03	-0.03	-0.03	-0.02	-0.02	-0.01
	Multidão - TB450	N	-148.096	-148.096	-148.096	-148.096	-148.096	-148.096	-148.096
		Vy	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075
		Vz	-46.816	-46.816	-46.816	-46.816	-46.816	-46.816	-46.816
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-91.16	-82.92	-74.69	-66.45	-58.21	-49.97	-41.74
		Mz	-0.13	-0.11	-0.10	-0.09	-0.07	-0.06	-0.05
	TB-450 - A1	N	-13.573	-13.573	-13.573	-13.573	-13.573	-13.573	-13.573
		Vy	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		Vz	-3.609	-3.609	-3.609	-3.609	-3.609	-3.609	-3.609
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-10.44	-9.80	-9.17	-8.53	-7.90	-7.26	-6.63
		Mz	-0.03	-0.03	-0.03	-0.02	-0.02	-0.02	-0.02
	TB-450 - A2	N	-5.785	-5.785	-5.785	-5.785	-5.785	-5.785	-5.785
		Vy	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		Vz	-1.538	-1.538	-1.538	-1.538	-1.538	-1.538	-1.538
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-4.46	-4.18	-3.91	-3.64	-3.37	-3.10	-2.83
		Mz	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	TB-450 - B1	N	-39.879	-39.879	-39.879	-39.879	-39.879	-39.879	-39.879
		Vy	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034	-0.034
		Vz	-10.621	-10.621	-10.621	-10.621	-10.621	-10.621	-10.621
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-30.60	-28.74	-26.87	-25.00	-23.13	-21.26	-19.39
		Mz	-0.09	-0.08	-0.08	-0.07	-0.06	-0.06	-0.05
	TB-450 - B2	N	-16.973	-16.973	-16.973	-16.973	-16.973	-16.973	-16.973
		Vy	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		Vz	-4.528	-4.528	-4.528	-4.528	-4.528	-4.528	-4.528
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-13.01	-12.21	-11.41	-10.62	-9.82	-9.02	-8.23
		Mz	0.02	0.02	0.02	0.03	0.03	0.03	0.03
	TB-450 - C1	N	-65.862	-65.862	-65.862	-65.862	-65.862	-65.862	-65.862
		Vy	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035	-0.035
		Vz	-17.651	-17.651	-17.651	-17.651	-17.651	-17.651	-17.651
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-50.34	-47.24	-44.13	-41.02	-37.92	-34.81	-31.71

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Esforços em barras, por hipóteses/ações									
Barra	Hipótese	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		Mz	-0.11	-0.10	-0.09	-0.09	-0.08	-0.07	-0.07
	TB-450 - C2	N	-27.943	-27.943	-27.943	-27.943	-27.943	-27.943	-27.943
		Vy	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024
		Vz	-7.499	-7.499	-7.499	-7.499	-7.499	-7.499	-7.499
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-21.33	-20.02	-18.70	-17.38	-16.06	-14.74	-13.42
		Mz	0.01	0.01	0.02	0.02	0.02	0.03	0.03
	TB-450 - D1	N	-90.738	-90.738	-90.738	-90.738	-90.738	-90.738	-90.738
		Vy	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022
		Vz	-29.195	-29.195	-29.195	-29.195	-29.195	-29.195	-29.195
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-61.37	-56.23	-51.09	-45.96	-40.82	-35.68	-30.55
		Mz	-0.09	-0.09	-0.09	-0.08	-0.08	-0.07	-0.07
	TB-450 - D2	N	-38.381	-38.381	-38.381	-38.381	-38.381	-38.381	-38.381
		Vy	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038
		Vz	-12.354	-12.354	-12.354	-12.354	-12.354	-12.354	-12.354
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	-25.94	-23.77	-21.60	-19.42	-17.25	-15.07	-12.90
		Mz	-0.01	0.00	0.01	0.01	0.02	0.03	0.03
	TB-450 - E1	N	-70.395	-70.395	-70.395	-70.395	-70.395	-70.395	-70.395
		Vy	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		Vz	-27.571	-27.571	-27.571	-27.571	-27.571	-27.571	-27.571
		Mt	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		My	-19.88	-15.03	-10.18	-5.33	-0.47	4.38	9.23
		Mz	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
	TB-450 - E2	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vy	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Vz	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Mt	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		My	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N237/N16	Peso próprio	N	-160.462	-160.415	-160.367
		Vy	0.023	0.023	0.023
		Vz	-142.829	-142.326	-141.822
		Mt	0.01	0.01	0.01
		My	-42.90	-25.08	-7.32
		Mz	0.00	-0.01	-0.01
	LAJE	N	-336.676	-336.676	-336.676
		Vy	-0.131	-0.131	-0.131
		Vz	-350.282	-350.282	-350.282
		Mt	0.00	0.00	0.00
		My	-120.60	-76.81	-33.03
		Mz	-0.08	-0.06	-0.05
	PAVIMENTAÇÃO	N	-183.715	-183.715	-183.715
		Vy	-0.072	-0.072	-0.072
		Vz	-191.138	-191.138	-191.138

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mt	0.00	0.00	0.00
		My	-65.81	-41.91	-18.02
		Mz	-0.04	-0.04	-0.03
	RECAPEAMENTO	N	-83.507	-83.507	-83.507
		Vy	-0.033	-0.033	-0.033
		Vz	-86.881	-86.881	-86.881
		Mt	0.00	0.00	0.00
		My	-29.91	-19.05	-8.19
		Mz	-0.02	-0.02	-0.01
	GUARDA-RODAS	N	-45.327	-45.327	-45.327
		Vy	-0.018	-0.018	-0.018
		Vz	-47.164	-47.164	-47.164
		Mt	0.00	0.00	0.00
		My	-16.24	-10.35	-4.45
		Mz	-0.01	-0.01	-0.01
	Vento 0	N	-9.566	-9.566	-9.566
		Vy	8.415	8.527	8.640
		Vz	-5.611	-5.611	-5.611
		Mt	-0.05	-0.05	-0.05
		My	-2.63	-1.93	-1.22
		Mz	7.31	6.25	5.18
	Vento 180	N	1.504	1.504	1.504
		Vy	-3.765	-3.765	-3.765
		Vz	7.331	7.331	7.331
		Mt	-0.02	-0.02	-0.02
		My	3.30	2.39	1.47
		Mz	-4.44	-3.97	-3.50
	Multidão - Passeio	N	-58.824	-58.824	-58.824
		Vy	-0.023	-0.023	-0.023
		Vz	-61.216	-61.216	-61.216
		Mt	0.00	0.00	0.00
		My	-21.08	-13.43	-5.78
		Mz	-0.01	-0.01	-0.01
	Multidão - TB450	N	-191.927	-191.927	-191.927
		Vy	-0.075	-0.075	-0.075
		Vz	-199.662	-199.662	-199.662
		Mt	0.00	0.00	0.00
		My	-68.73	-43.77	-18.81
		Mz	-0.05	-0.04	-0.03
	TB-450 - A1	N	-18.936	-18.936	-18.936
		Vy	-0.012	-0.012	-0.012
		Vz	-22.708	-22.708	-22.708
		Mt	0.00	0.00	0.00
		My	-9.69	-6.85	-4.01
		Mz	-0.02	-0.02	-0.01
	TB-450 - A2	N	-8.071	-8.071	-8.071
		Vy	-0.003	-0.003	-0.003
		Vz	-9.683	-9.683	-9.683
		Mt	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		My	-4.14	-2.93	-1.71
		Mz	0.01	0.01	0.01
	TB-450 - B1	N	-55.593	-55.593	-55.593
		Vy	-0.034	-0.034	-0.034
		Vz	-66.574	-66.574	-66.574
		Mt	0.00	0.00	0.00
		My	-28.36	-20.04	-11.72
		Mz	-0.05	-0.05	-0.05
	TB-450 - B2	N	-23.641	-23.641	-23.641
		Vy	-0.006	-0.006	-0.006
		Vz	-28.266	-28.266	-28.266
		Mt	0.00	0.00	0.00
		My	-12.04	-8.50	-4.97
		Mz	0.03	0.03	0.03
	TB-450 - C1	N	-91.731	-91.731	-91.731
		Vy	-0.034	-0.034	-0.034
		Vz	-109.762	-109.762	-109.762
		Mt	0.00	0.00	0.00
		My	-46.47	-32.75	-19.03
		Mz	-0.07	-0.06	-0.06
	TB-450 - C2	N	-38.894	-38.894	-38.894
		Vy	-0.024	-0.024	-0.024
		Vz	-46.487	-46.487	-46.487
		Mt	0.00	0.00	0.00
		My	-19.67	-13.86	-8.05
		Mz	0.03	0.04	0.04
	TB-450 - D1	N	-123.630	-123.630	-123.630
		Vy	-0.022	-0.022	-0.022
		Vz	-146.047	-146.047	-146.047
		Mt	0.00	0.00	0.00
		My	-49.30	-31.04	-12.79
		Mz	-0.07	-0.07	-0.06
	TB-450 - D2	N	-52.274	-52.274	-52.274
		Vy	-0.038	-0.038	-0.038
		Vz	-61.705	-61.705	-61.705
		Mt	0.00	0.00	0.00
		My	-20.82	-13.11	-5.40
		Mz	0.03	0.04	0.04
	TB-450 - E1	N	-73.577	-73.577	-73.577
		Vy	0.001	0.001	0.001
		Vz	-33.066	-33.066	-33.066
		Mt	-0.01	-0.01	-0.01
		My	3.65	7.78	11.91
		Mz	-0.03	-0.03	-0.03
	TB-450 - E2	N	0.000	0.000	0.000
		Vy	0.000	0.000	0.000
		Vz	0.000	0.000	0.000
		Mt	0.00	0.00	0.00
		My	0.00	0.00	0.00

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Esforços em barras, por hipóteses/ações					
Barra	Hipótese	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		Mz	0.00	0.00	0.00

2.2.1.1.2. Envoltórias

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.791 m	1.582 m	2.372 m	3.163 m	3.954 m	4.745 m	5.535 m	6.326 m
N1/N4	Aço laminado	$N_{mín}$	-2363.512	-2360.741	-2357.970	-2355.199	-2352.428	-2349.656	-2346.885	-2344.114	-2341.343
		$N_{máx}$	-1315.265	-1313.133	-1311.001	-1308.870	-1306.738	-1304.606	-1302.475	-1300.343	-1298.211
		$Vy_{mín}$	-22.392	-21.396	-20.399	-19.403	-18.407	-17.410	-16.414	-15.417	-14.421
		$Vy_{máx}$	19.897	19.897	19.897	19.897	19.897	19.897	19.897	19.897	19.897
		$Vz_{mín}$	70.756	71.204	71.651	72.099	72.546	72.994	73.442	73.889	74.337
		$Vz_{máx}$	125.749	126.331	126.913	127.495	128.077	128.659	129.241	129.823	130.405
		$Mt_{mín}$	-8.86	-8.86	-8.86	-8.86	-8.86	-8.86	-8.86	-8.86	-8.86
		$Mt_{máx}$	7.96	7.96	7.96	7.96	7.96	7.96	7.96	7.96	7.96
		$My_{mín}$	251.27	195.14	138.66	81.83	24.64	-59.31	-161.28	-263.70	-366.59
		$My_{máx}$	451.12	351.88	252.18	152.02	51.40	-31.58	-89.90	-148.57	-207.59
		$Mz_{mín}$	-7.95	-6.37	-22.10	-37.84	-53.57	-69.30	-85.04	-100.77	-116.51
		$Mz_{máx}$	9.50	9.42	25.95	41.68	56.63	70.79	84.17	96.75	108.55

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.743 m	1.486 m	2.229 m	2.972 m	3.715 m	4.458 m	5.201 m	5.944 m
N175/N187	Aço laminado	$N_{mín}$	1028.784	1030.812	1032.840	1034.867	1036.895	1038.923	1040.950	1042.978	1045.006
		$N_{máx}$	1825.227	1827.863	1830.499	1833.135	1835.771	1838.407	1841.043	1843.679	1846.315
		$Vy_{mín}$	-5.586	-5.586	-5.586	-5.586	-5.586	-5.586	-5.586	-5.586	-5.586
		$Vy_{máx}$	8.475	7.539	6.603	5.667	4.731	3.795	2.859	1.922	0.986
		$Vz_{mín}$	-188.792	-188.432	-188.071	-187.711	-187.351	-186.990	-186.630	-186.270	-185.909
		$Vz_{máx}$	-105.809	-105.532	-105.255	-104.978	-104.700	-104.423	-104.146	-103.869	-103.592
		$Mt_{mín}$	-0.54	-0.54	-0.54	-0.54	-0.54	-0.54	-0.54	-0.54	-0.54
		$Mt_{máx}$	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
		$My_{mín}$	-605.68	-465.55	-325.69	-186.10	-46.87	51.36	129.42	206.70	283.76
		$My_{máx}$	-338.54	-260.03	-181.73	-103.63	-25.74	92.29	231.08	369.61	507.87
		$Mz_{mín}$	-3.30	-9.25	-14.50	-19.06	-22.92	-26.09	-28.56	-30.34	-31.42
		$Mz_{máx}$	0.88	5.03	9.18	13.33	17.48	21.63	25.78	29.93	34.08

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.771 m	1.543 m	2.314 m	3.086 m	3.857 m	4.629 m	5.400 m	6.172 m
N174/N173	Aço laminado	$N_{mín}$	-1253.214	-1252.064	-1250.914	-1249.764	-1248.615	-1247.465	-1246.315	-1245.166	-1244.016
		$N_{máx}$	-697.382	-696.497	-695.613	-694.729	-693.844	-692.960	-692.075	-691.191	-690.307
		$Vy_{mín}$	-3.532	-2.560	-1.588	-0.616	-0.007	-0.007	-0.007	-0.007	-0.007
		$Vy_{máx}$	0.018	0.018	0.018	0.018	0.361	1.334	2.306	3.278	4.250
		$Vz_{mín}$	34.539	34.656	34.772	34.888	35.005	35.121	35.237	35.354	35.470
		$Vz_{máx}$	62.174	62.325	62.476	62.627	62.779	62.930	63.081	63.232	63.384
		$Mt_{mín}$	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07
		$Mt_{máx}$	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
		$My_{mín}$	104.36	77.67	50.89	24.02	-5.37	-53.82	-102.43	-151.15	-199.99
		$My_{máx}$	187.46	139.44	91.30	43.04	-2.90	-29.99	-57.13	-84.36	-111.68
		$Mz_{mín}$	-1.21	-1.21	-1.21	-1.21	-1.21	-1.21	-1.21	-1.21	-1.21
		$Mz_{máx}$	2.32	4.67	6.27	7.11	7.21	6.56	5.15	3.00	0.10

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.743 m	1.486 m	2.228 m	2.971 m	3.714 m	4.457 m	5.200 m	5.943 m
N176/N172	Aço laminado	$N_{mín}$	785.225	786.076	786.927	787.778	788.629	789.480	790.331	791.182	792.033
		$N_{máx}$	1416.265	1417.371	1418.477	1419.584	1420.690	1421.796	1422.902	1424.009	1425.115
		$Vy_{mín}$	-0.081	-0.081	-0.081	-0.081	-0.251	-1.187	-2.123	-3.058	-3.994

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.743 m	1.486 m	2.228 m	2.971 m	3.714 m	4.457 m	5.200 m	5.943 m
		$Vy_{máx}$	3.503	2.567	1.631	0.695	0.001	0.001	0.001	0.001	0.001
		$Vz_{mín}$	-81.608	-81.457	-81.305	-81.154	-81.003	-80.852	-80.700	-80.549	-80.398
		$Vz_{máx}$	-45.629	-45.513	-45.397	-45.280	-45.164	-45.047	-44.931	-44.815	-44.698
		$Mt_{mín}$	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		$Mt_{máx}$	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		$My_{mín}$	-243.07	-182.51	-122.06	-61.72	-1.79	32.75	66.17	99.50	132.75
		$My_{máx}$	-135.64	-101.79	-68.03	-34.35	-0.50	58.62	118.62	178.51	238.29
		$Mz_{mín}$	-1.29	-3.55	-5.10	-5.97	-6.13	-5.61	-4.38	-2.46	-0.11
		$Mz_{máx}$	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.20

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.771 m	1.543 m	2.314 m	3.085 m	3.857 m	4.628 m	5.399 m	6.171 m
N177/N171	Aço laminado	$N_{mín}$	-1190.904	-1189.754	-1188.605	-1187.455	-1186.306	-1185.156	-1184.006	-1182.857	-1181.707
		$N_{máx}$	-660.036	-659.151	-658.267	-657.383	-656.499	-655.614	-654.730	-653.846	-652.962
		$Vy_{mín}$	-3.658	-2.686	-1.714	-0.742	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.061	0.061	0.061	0.061	0.240	1.212	2.184	3.155	4.127
		$Vz_{mín}$	39.076	39.192	39.309	39.425	39.542	39.658	39.774	39.891	40.007
		$Vz_{máx}$	70.378	70.529	70.680	70.831	70.983	71.134	71.285	71.436	71.588
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		$My_{mín}$	123.08	92.89	62.62	32.25	1.79	-52.13	-107.05	-162.09	-217.25
		$My_{máx}$	220.75	166.41	111.95	57.71	3.49	-28.75	-59.38	-90.11	-120.92
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	-0.02	-0.05	-0.08	-0.12
		$Mz_{máx}$	1.52	3.96	5.64	6.58	6.78	6.22	4.91	2.85	0.04

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.743 m	1.485 m	2.228 m	2.971 m	3.713 m	4.456 m	5.199 m	5.941 m
N178/N170	Aço laminado	$N_{mín}$	638.347	639.197	640.048	640.899	641.750	642.601	643.452	644.302	645.153
		$N_{máx}$	1158.082	1159.188	1160.294	1161.400	1162.506	1163.612	1164.718	1165.825	1166.931
		$Vy_{mín}$	-0.082	-0.082	-0.082	-0.082	-0.188	-1.124	-2.059	-2.995	-3.931
		$Vy_{máx}$	3.570	2.634	1.698	0.763	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-69.803	-69.652	-69.501	-69.350	-69.198	-69.047	-68.896	-68.745	-68.593
		$Vz_{máx}$	-38.284	-38.167	-38.051	-37.935	-37.818	-37.702	-37.585	-37.469	-37.353
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		$My_{mín}$	-201.59	-149.81	-98.14	-46.57	3.00	31.05	59.01	86.88	114.66
		$My_{máx}$	-110.03	-81.64	-53.34	-25.12	5.69	56.21	107.43	158.55	209.54
		$Mz_{mín}$	-1.08	-3.38	-4.98	-5.88	-6.09	-5.60	-4.42	-2.55	-0.10
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.771 m	1.542 m	2.314 m	3.085 m	3.856 m	4.627 m	5.398 m	6.169 m
N179/N169	Aço laminado	$N_{mín}$	-818.010	-816.861	-815.712	-814.562	-813.413	-812.264	-811.114	-809.965	-808.816
		$N_{máx}$	-432.395	-431.511	-430.627	-429.742	-428.858	-427.974	-427.090	-426.206	-425.322
		$Vy_{mín}$	-3.690	-2.718	-1.746	-0.775	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.045	0.045	0.045	0.045	0.213	1.185	2.157	3.128	4.100
		$Vz_{mín}$	26.368	26.484	26.601	26.717	26.834	26.950	27.066	27.183	27.299
		$Vz_{máx}$	49.530	49.682	49.833	49.984	50.136	50.287	50.438	50.589	50.741
		$Mt_{mín}$	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		$Mt_{máx}$	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		$My_{mín}$	86.00	65.62	45.15	24.59	3.94	-31.96	-70.79	-109.75	-148.82
		$My_{máx}$	160.49	122.23	83.86	45.37	7.40	-16.80	-37.62	-58.54	-79.55
		$Mz_{mín}$	0.00	0.00	-0.03	-0.06	-0.09	-0.13	-0.16	-0.19	-0.22
		$Mz_{máx}$	1.42	3.88	5.59	6.55	6.76	6.23	4.94	2.90	0.11

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.743 m	1.485 m	2.228 m	2.970 m	3.713 m	4.455 m	5.198 m	5.940 m
N180/N168	Aço laminado	$N_{mín}$	401.214	402.065	402.915	403.766	404.617	405.467	406.318	407.169	408.019
		$N_{máx}$	767.588	768.693	769.799	770.905	772.011	773.117	774.223	775.329	776.435
		$Vy_{mín}$	-0.002	-0.002	-0.002	-0.002	-0.210	-1.145	-2.081	-3.017	-3.952
		$Vy_{máx}$	3.547	2.611	1.676	0.740	0.052	0.052	0.052	0.052	0.052
		$Vz_{mín}$	-40.059	-39.907	-39.756	-39.605	-39.453	-39.302	-39.151	-39.000	-38.848
		$Vz_{máx}$	-21.038	-20.922	-20.805	-20.689	-20.573	-20.456	-20.340	-20.224	-20.107
		$Mt_{mín}$	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
		$Mt_{máx}$	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		$My_{mín}$	-112.63	-82.94	-53.36	-23.90	3.12	18.35	33.49	48.55	63.53
		$My_{máx}$	-58.68	-43.10	-27.61	-12.20	5.89	34.69	63.82	92.83	121.74
		$Mz_{mín}$	-1.16	-3.44	-5.02	-5.91	-6.10	-5.60	-4.40	-2.50	-0.18
		$Mz_{máx}$	0.13	0.09	0.05	0.01	0.00	0.00	0.00	0.00	0.09

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.774 m	1.548 m	2.322 m	3.096 m	3.870 m	4.644 m	5.418 m	6.192 m
N181/N167	Aço laminado	$N_{mín}$	-195.180	-194.027	-192.873	-191.720	-190.566	-189.412	-188.259	-187.105	-185.952
		$N_{máx}$	-28.158	-27.271	-26.384	-25.496	-24.609	-23.722	-22.834	-21.947	-21.059
		$Vy_{mín}$	-3.768	-2.792	-1.817	-0.842	0.001	0.001	0.001	0.001	0.001
		$Vy_{máx}$	0.054	0.054	0.054	0.054	0.157	1.132	2.108	3.083	4.058
		$Vz_{mín}$	10.387	10.503	10.620	10.736	10.852	10.968	11.084	11.200	11.316
		$Vz_{máx}$	21.115	21.266	21.417	21.567	21.718	21.869	22.020	22.171	22.322
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		$My_{mín}$	36.87	28.79	20.61	12.35	3.99	-10.31	-27.30	-44.40	-61.61
		$My_{máx}$	72.86	56.46	39.94	23.70	7.44	-2.94	-11.79	-20.74	-29.77
		$Mz_{mín}$	-0.69	-0.72	-0.74	-0.77	-0.80	-0.83	-0.86	-0.91	-0.95
		$Mz_{máx}$	1.50	4.02	5.78	6.79	7.05	6.55	5.31	3.32	0.58

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.768 m	1.535 m	2.303 m	3.071 m	3.839 m	4.606 m	5.374 m	6.142 m
N182/N166	Aço laminado	$N_{mín}$	152.652	153.532	154.413	155.293	156.173	157.053	157.933	158.813	159.693
		$N_{máx}$	336.477	337.621	338.765	339.910	341.054	342.198	343.342	344.486	345.631
		$Vy_{mín}$	-0.107	-0.107	-0.107	-0.107	-0.131	-1.099	-2.066	-3.034	-4.001
		$Vy_{máx}$	3.747	2.779	1.812	0.845	-0.001	-0.001	-0.001	-0.001	-0.001
		$Vz_{mín}$	-11.412	-11.262	-11.112	-10.961	-10.811	-10.660	-10.510	-10.360	-10.209
		$Vz_{máx}$	-1.710	-1.594	-1.478	-1.362	-1.247	-1.131	-1.015	-0.900	-0.784
		$Mt_{mín}$	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		$Mt_{máx}$	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		$My_{mín}$	-29.95	-21.25	-12.66	-4.19	2.54	4.53	5.35	6.09	6.73
		$My_{máx}$	-0.93	0.34	1.52	2.61	4.95	12.41	20.54	28.55	36.45
		$Mz_{mín}$	-1.22	-3.72	-5.49	-6.50	-6.78	-6.32	-5.11	-3.16	-0.46
		$Mz_{máx}$	0.09	0.17	0.25	0.34	0.42	0.50	0.58	0.66	0.75

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.777 m	1.554 m	2.331 m	3.108 m	3.885 m	4.661 m	5.438 m	6.215 m
N183/N165	Aço laminado	$N_{mín}$	109.456	110.614	111.772	112.930	114.089	115.247	116.405	117.392	118.283
		$N_{máx}$	286.333	287.224	288.115	289.006	289.897	290.788	291.678	292.731	293.889
		$Vy_{mín}$	-3.903	-2.924	-1.946	-0.967	0.001	0.001	0.001	0.001	0.001
		$Vy_{máx}$	0.220	0.220	0.220	0.220	0.220	1.000	1.979	2.958	3.936
		$Vz_{mín}$	-6.697	-6.581	-6.465	-6.350	-6.234	-6.118	-6.002	-5.887	-5.771
		$Vz_{máx}$	1.992	2.143	2.293	2.443	2.594	2.744	2.895	3.045	3.195
		$Mt_{mín}$	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		$Mt_{máx}$	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		$My_{mín}$	-15.11	-9.95	-4.88	-0.21	3.11	2.60	0.41	-1.89	-4.31

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.777 m	1.554 m	2.331 m	3.108 m	3.885 m	4.661 m	5.438 m	6.215 m
		$My_{máx}$	11.80	10.20	8.47	6.94	5.98	9.78	14.49	19.11	23.64
		$Mz_{mín}$	-0.08	-0.25	-0.42	-0.59	-0.76	-0.93	-1.10	-1.28	-1.45
		$Mz_{máx}$	1.15	3.79	5.68	6.81	7.18	6.79	5.64	3.73	1.05

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.763 m	1.527 m	2.290 m	3.054 m	3.817 m	4.581 m	5.344 m	6.107 m
N205/N228	Aço laminado	$N_{mín}$	-66.272	-65.397	-64.522	-63.647	-62.772	-61.897	-61.021	-60.146	-59.271
		$N_{máx}$	82.861	83.999	85.136	86.274	87.412	88.549	89.687	90.824	91.962
		$Vy_{mín}$	-0.174	-0.174	-0.174	-0.174	-0.174	-1.003	-1.965	-2.927	-3.889
		$Vy_{máx}$	3.845	2.883	1.921	0.959	-0.002	-0.002	-0.002	-0.002	-0.002
		$Vz_{mín}$	7.307	7.481	7.654	7.815	7.930	8.046	8.162	8.278	8.394
		$Vz_{máx}$	17.429	17.545	17.661	17.783	17.934	18.085	18.235	18.386	18.536
		$Mt_{mín}$	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		$Mt_{máx}$	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		$My_{mín}$	27.32	21.58	15.74	9.82	3.81	-7.71	-21.50	-35.38	-49.42
		$My_{máx}$	60.11	46.82	33.41	20.23	7.14	-0.44	-6.82	-13.31	-19.84
		$Mz_{mín}$	-1.47	-4.01	-5.82	-6.89	-7.22	-6.82	-5.69	-3.85	-1.28
		$Mz_{máx}$	0.73	0.83	0.94	1.04	1.15	1.26	1.37	1.50	1.64

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.741 m	1.481 m	2.222 m	2.963 m	3.703 m	4.444 m	5.184 m	5.925 m
N204/N229	Aço laminado	$N_{mín}$	366.872	367.721	368.569	369.417	370.266	371.114	371.963	372.811	373.660
		$N_{máx}$	731.930	733.033	734.136	735.239	736.342	737.445	738.548	739.651	740.754
		$Vy_{mín}$	-3.567	-2.634	-1.701	-0.767	-0.058	-0.058	-0.058	-0.058	-0.058
		$Vy_{máx}$	0.004	0.004	0.004	0.004	0.197	1.130	2.064	2.997	3.930
		$Vz_{mín}$	-35.601	-35.451	-35.300	-35.149	-34.998	-34.848	-34.697	-34.546	-34.395
		$Vz_{máx}$	-17.689	-17.573	-17.457	-17.341	-17.225	-17.109	-16.993	-16.877	-16.761
		$Mt_{mín}$	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
		$Mt_{máx}$	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
		$My_{mín}$	-98.65	-72.34	-46.14	-20.05	3.36	16.07	28.70	41.24	53.70
		$My_{máx}$	-48.36	-35.30	-22.33	-9.44	6.37	31.79	57.54	83.19	108.72
		$Mz_{mín}$	-0.16	-0.12	-0.08	-0.03	0.00	0.00	0.00	0.00	-0.14
		$Mz_{máx}$	1.03	3.30	4.88	5.77	5.97	5.48	4.30	2.42	0.18

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.761 m	1.521 m	2.282 m	3.043 m	3.803 m	4.564 m	5.325 m	6.085 m
N207/N230	Aço laminado	$N_{mín}$	-755.483	-754.350	-753.216	-752.083	-750.949	-749.816	-748.682	-747.549	-746.415
		$N_{máx}$	-383.616	-382.744	-381.872	-381.000	-380.128	-379.257	-378.385	-377.513	-376.641
		$Vy_{mín}$	0.000	0.000	0.000	0.000	-0.090	-1.049	-2.007	-2.966	-3.924
		$Vy_{máx}$	3.748	2.789	1.831	0.872	0.009	0.009	0.009	0.009	0.009
		$Vz_{mín}$	24.679	24.795	24.911	25.027	25.143	25.259	25.375	25.491	25.607
		$Vz_{máx}$	48.053	48.204	48.354	48.505	48.656	48.807	48.957	49.108	49.259
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		$My_{mín}$	79.95	61.13	42.23	23.24	4.15	-29.95	-67.13	-104.43	-141.84
		$My_{máx}$	154.25	117.64	80.92	44.08	7.75	-15.02	-34.27	-53.62	-73.06
		$Mz_{mín}$	-0.64	-3.12	-4.88	-5.90	-6.20	-5.76	-4.60	-2.71	-0.09
		$Mz_{máx}$	0.28	0.28	0.27	0.26	0.26	0.25	0.24	0.24	0.23

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.742 m	1.485 m	2.227 m	2.969 m	3.712 m	4.454 m	5.196 m	5.939 m
N206/N231	Aço laminado	$N_{mín}$	607.311	608.161	609.012	609.862	610.713	611.563	612.414	613.264	614.115

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Envoltórias dos esforços em barras											
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.742 m	1.485 m	2.227 m	2.969 m	3.712 m	4.454 m	5.196 m	5.939 m
		$N_{máx}$	1126.903	1128.008	1129.114	1130.220	1131.325	1132.431	1133.537	1134.642	1135.748
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082
		$Vz_{mín}$	-66.977	-66.826	-66.675	-66.524	-66.374	-66.223	-66.072	-65.921	-65.771
		$Vz_{máx}$	-35.877	-35.761	-35.645	-35.529	-35.413	-35.297	-35.181	-35.065	-34.949
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		$My_{mín}$	-192.41	-142.75	-93.19	-43.75	3.45	29.70	55.86	81.93	107.92
		$My_{máx}$	-102.39	-75.80	-49.30	-22.88	6.38	54.79	103.90	152.89	201.77
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02
		$Mz_{máx}$	0.48	0.42	0.36	0.30	0.24	0.18	0.16	0.13	0.11

Envoltórias dos esforços em barras											
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.762 m	1.525 m	2.287 m	3.050 m	3.812 m	4.574 m	5.337 m	6.099 m
N209/N232	Aço laminado	$N_{mín}$	-1158.802	-1157.666	-1156.530	-1155.394	-1154.258	-1153.122	-1151.986	-1150.850	-1149.714
		$N_{máx}$	-629.101	-628.227	-627.354	-626.480	-625.606	-624.732	-623.858	-622.984	-622.110
		$Vy_{mín}$	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		$Vy_{máx}$	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		$Vz_{mín}$	39.310	39.426	39.542	39.658	39.774	39.889	40.005	40.121	40.237
		$Vz_{máx}$	71.824	71.975	72.125	72.276	72.427	72.578	72.728	72.879	73.030
		$Mt_{mín}$	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		$Mt_{máx}$	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		$My_{mín}$	123.02	93.00	62.90	32.71	2.41	-51.63	-107.02	-162.53	-218.15
		$My_{máx}$	223.60	168.78	113.85	59.16	4.46	-27.94	-58.39	-88.94	-119.57
		$Mz_{mín}$	-0.21	-0.20	-0.19	-0.18	-0.17	-0.16	-0.15	-0.14	-0.13
		$Mz_{máx}$	0.17	0.17	0.16	0.15	0.15	0.14	0.14	0.13	0.12

Envoltórias dos esforços em barras											
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.744 m	1.488 m	2.232 m	2.976 m	3.720 m	4.464 m	5.208 m	5.953 m
N208/N233	Aço laminado	$N_{mín}$	793.937	794.789	795.642	796.494	797.347	798.199	799.052	799.904	800.757
		$N_{máx}$	1432.426	1433.534	1434.642	1435.750	1436.859	1437.967	1439.075	1440.183	1441.292
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		$Vz_{mín}$	-83.632	-83.482	-83.331	-83.180	-83.029	-82.879	-82.728	-82.577	-82.426
		$Vz_{máx}$	-46.527	-46.411	-46.295	-46.179	-46.063	-45.947	-45.831	-45.715	-45.599
		$Mt_{mín}$	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		$Mt_{máx}$	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		$My_{mín}$	-247.97	-185.80	-123.74	-61.79	-0.49	34.52	68.67	102.72	136.70
		$My_{máx}$	-137.49	-102.92	-68.43	-34.03	0.68	61.77	123.38	184.88	246.26
		$Mz_{mín}$	-0.13	-0.13	-0.14	-0.14	-0.14	-0.15	-0.15	-0.16	-0.16
		$Mz_{máx}$	0.21	0.21	0.21	0.21	0.21	0.21	0.20	0.20	0.20

Envoltórias dos esforços em barras											
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.764 m	1.528 m	2.292 m	3.056 m	3.821 m	4.585 m	5.349 m	6.113 m
N211/N234	Aço laminado	$N_{mín}$	-1405.306	-1404.167	-1403.028	-1401.890	-1400.751	-1399.612	-1398.474	-1397.335	-1396.196
		$N_{máx}$	-778.073	-777.197	-776.321	-775.446	-774.570	-773.694	-772.818	-771.942	-771.066
		$Vy_{mín}$	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
		$Vy_{máx}$	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
		$Vz_{mín}$	38.290	38.406	38.522	38.638	38.754	38.870	38.986	39.102	39.218
		$Vz_{máx}$	68.644	68.795	68.946	69.097	69.247	69.398	69.549	69.700	69.850
		$Mt_{mín}$	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06
		$Mt_{máx}$	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
		$My_{mín}$	114.56	85.25	55.86	26.38	-5.90	-58.84	-111.93	-165.13	-218.45
		$My_{máx}$	204.86	152.35	99.72	46.98	-3.19	-32.84	-62.59	-92.42	-122.35
		$Mz_{mín}$	-0.88	-0.88	-0.89	-0.90	-0.90	-0.91	-0.91	-0.92	-0.92
		$Mz_{máx}$	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90

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Envoltórias dos esforços em barras											
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.746 m	1.492 m	2.237 m	2.983 m	3.729 m	4.475 m	5.221 m	5.966 m
N210/N235	Aço laminado	$N_{mín}$	1241.588	1243.624	1245.659	1247.695	1249.731	1251.767	1253.802	1255.838	1257.874
		$N_{máx}$	2157.305	2159.952	2162.598	2165.244	2167.891	2170.537	2173.183	2175.830	2178.476
		$Vy_{mín}$	-4.156	-4.156	-4.156	-4.156	-4.156	-4.156	-4.156	-4.156	-4.156
		$Vy_{máx}$	4.121	4.121	4.121	4.121	4.121	4.121	4.121	4.121	4.121
		$Vz_{mín}$	-247.587	-247.228	-246.869	-246.510	-246.150	-245.791	-245.432	-245.073	-244.714
		$Vz_{máx}$	-139.904	-139.628	-139.352	-139.075	-138.799	-138.523	-138.247	-137.970	-137.694
		$Mt_{mín}$	-0.48	-0.48	-0.48	-0.48	-0.48	-0.48	-0.48	-0.48	-0.48
		$Mt_{máx}$	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
		$My_{mín}$	-731.95	-547.44	-363.19	-179.22	2.76	106.21	209.42	312.42	415.21
		$My_{máx}$	-412.91	-308.67	-204.64	-100.82	4.49	187.93	371.11	554.02	736.65
		$Mz_{mín}$	-0.32	-3.40	-6.47	-9.54	-12.62	-15.69	-18.76	-21.84	-24.91
		$Mz_{máx}$	0.45	3.55	6.65	9.75	12.85	15.95	19.05	22.15	25.25

Envoltórias dos esforços em barras											
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.782 m	1.565 m	2.347 m	3.129 m	3.912 m	4.694 m	5.476 m	6.259 m
N196/N218	Aço laminado	$N_{mín}$	-2444.698	-2441.958	-2439.218	-2436.477	-2433.737	-2430.997	-2428.256	-2425.516	-2422.775
		$N_{máx}$	-1390.735	-1388.627	-1386.519	-1384.411	-1382.304	-1380.196	-1378.088	-1375.980	-1373.872
		$Vy_{mín}$	-24.249	-24.249	-24.249	-24.249	-24.249	-24.249	-24.249	-24.249	-24.249
		$Vy_{máx}$	24.603	23.618	22.632	21.646	20.660	19.675	18.689	17.703	16.717
		$Vz_{mín}$	16.542	16.990	17.438	17.885	18.333	18.781	19.228	19.676	20.123
		$Vz_{máx}$	28.834	29.415	29.997	30.579	31.161	31.743	32.325	32.907	33.489
		$Mt_{mín}$	-4.70	-4.70	-4.70	-4.70	-4.70	-4.70	-4.70	-4.70	-4.70
		$Mt_{máx}$	6.79	6.79	6.79	6.79	6.79	6.79	6.79	6.79	6.79
		$My_{mín}$	-107.50	-130.29	-153.53	-177.22	-201.37	-225.98	-251.04	-276.56	-302.53
		$My_{máx}$	-56.61	-69.97	-83.68	-97.74	-112.15	-126.92	-142.03	-157.49	-173.31
		$Mz_{mín}$	-13.48	-8.83	-26.92	-44.24	-60.79	-76.56	-91.57	-105.81	-119.27
		$Mz_{máx}$	10.15	5.52	24.49	43.46	62.43	81.40	100.37	119.34	138.31

Envoltórias dos esforços em barras											
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.791 m	1.582 m	2.372 m	3.163 m	3.954 m	4.745 m	5.535 m	6.326 m
N2/N8	Aço laminado	$N_{mín}$	-2342.431	-2339.660	-2336.889	-2334.118	-2331.346	-2328.575	-2325.804	-2323.033	-2320.262
		$N_{máx}$	-1307.656	-1305.524	-1303.393	-1301.261	-1299.129	-1296.997	-1294.866	-1292.734	-1290.602
		$Vy_{mín}$	-16.857	-16.857	-16.857	-16.857	-16.857	-16.857	-16.857	-16.857	-16.857
		$Vy_{máx}$	25.425	24.428	23.432	22.436	21.439	20.443	19.447	18.450	17.454
		$Vz_{mín}$	70.567	71.015	71.462	71.910	72.358	72.805	73.253	73.700	74.148
		$Vz_{máx}$	124.579	125.161	125.743	126.325	126.907	127.489	128.071	128.653	129.235
		$Mt_{mín}$	-8.91	-8.91	-8.91	-8.91	-8.91	-8.91	-8.91	-8.91	-8.91
		$Mt_{máx}$	7.91	7.91	7.91	7.91	7.91	7.91	7.91	7.91	7.91
		$My_{mín}$	252.03	196.06	139.65	82.84	25.66	-58.46	-159.50	-261.01	-362.97
		$My_{máx}$	447.35	349.03	250.25	151.02	51.32	-30.53	-88.83	-147.24	-205.70
		$Mz_{mín}$	-8.96	-11.29	-30.22	-48.35	-65.70	-82.26	-98.03	-113.01	-127.21
		$Mz_{máx}$	8.50	4.52	17.85	31.18	44.51	57.84	71.16	84.49	97.82

Envoltórias dos esforços em barras											
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.743 m	1.486 m	2.229 m	2.972 m	3.715 m	4.458 m	5.201 m	5.944 m
N155/N154	Aço laminado	$N_{mín}$	1018.101	1020.128	1022.156	1024.184	1026.211	1028.239	1030.267	1032.294	1034.322
		$N_{máx}$	1808.276	1810.912	1813.548	1816.184	1818.820	1821.456	1824.092	1826.728	1829.364
		$Vy_{mín}$	-9.577	-8.640	-7.704	-6.768	-5.832	-4.896	-3.960	-3.024	-2.088
		$Vy_{máx}$	4.469	4.469	4.469	4.469	4.469	4.469	4.469	4.469	4.469
		$Vz_{mín}$	-186.807	-186.446	-186.086	-185.726	-185.365	-185.005	-184.644	-184.284	-183.924
		$Vz_{máx}$	-104.564	-104.287	-104.009	-103.732	-103.455	-103.178	-102.901	-102.623	-102.346
		$Mt_{mín}$	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55
		$Mt_{máx}$	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
		$My_{mín}$	-599.38	-460.72	-322.33	-184.21	-46.46	50.47	127.59	203.95	280.10
		$My_{máx}$	-334.81	-257.22	-179.85	-102.67	-25.71	91.23	228.54	365.59	502.37
		$Mz_{mín}$	-0.62	-3.94	-7.26	-10.58	-13.90	-17.22	-20.54	-23.86	-27.18
		$Mz_{máx}$	3.63	10.40	16.47	21.85	26.53	30.51	33.80	36.40	38.29

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Envoltórias dos esforços em barras											
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.771 m	1.543 m	2.314 m	3.086 m	3.857 m	4.629 m	5.400 m	6.172 m
N156/N153	Aço laminado	$N_{mín}$	-1238.147	-1236.997	-1235.848	-1234.698	-1233.548	-1232.399	-1231.249	-1230.099	-1228.949
		$N_{máx}$	-688.087	-687.203	-686.319	-685.434	-684.550	-683.665	-682.781	-681.896	-681.012
		$Vy_{mín}$	0.003	0.003	0.003	0.003	-0.346	-1.318	-2.290	-3.262	-4.234
		$Vy_{máx}$	3.548	2.575	1.603	0.631	0.028	0.028	0.028	0.028	0.028
		$Vz_{mín}$	34.129	34.245	34.362	34.478	34.594	34.711	34.827	34.944	35.060
		$Vz_{máx}$	61.474	61.625	61.777	61.928	62.079	62.231	62.382	62.533	62.684
		$Mt_{mín}$	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
		$Mt_{máx}$	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
		$My_{mín}$	103.15	76.78	50.31	23.76	-5.29	-53.20	-101.26	-149.45	-197.75
		$My_{máx}$	185.39	137.90	90.30	42.59	-2.84	-29.62	-56.44	-83.35	-110.35
		$Mz_{mín}$	-2.46	-4.81	-6.42	-7.28	-7.39	-6.75	-5.36	-3.22	-0.33
		$Mz_{máx}$	1.14	1.12	1.10	1.08	1.06	1.04	1.02	1.00	0.97

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.743 m	1.486 m	2.228 m	2.971 m	3.714 m	4.457 m	5.200 m	5.943 m
N158/N152	Aço laminado	$N_{mín}$	775.678	776.529	777.380	778.231	779.082	779.933	780.784	781.635	782.486
		$N_{máx}$	1399.890	1400.997	1402.103	1403.209	1404.315	1405.422	1406.528	1407.634	1408.741
		$Vy_{mín}$	-3.500	-2.564	-1.628	-0.692	-0.001	-0.001	-0.001	-0.001	-0.001
		$Vy_{máx}$	0.071	0.071	0.071	0.071	0.253	1.189	2.125	3.061	3.997
		$Vz_{mín}$	-80.587	-80.436	-80.285	-80.133	-79.982	-79.831	-79.680	-79.528	-79.377
		$Vz_{máx}$	-45.019	-44.903	-44.786	-44.670	-44.554	-44.437	-44.321	-44.204	-44.088
		$Mt_{mín}$	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		$Mt_{máx}$	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		$My_{mín}$	-239.97	-180.16	-120.47	-60.89	-1.73	32.34	65.30	98.18	130.98
		$My_{máx}$	-133.79	-100.39	-67.08	-33.85	-0.43	57.94	117.18	176.31	235.33
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.14
		$Mz_{máx}$	1.36	3.61	5.16	6.03	6.19	5.66	4.44	2.52	0.17

Envoltórias dos esforços em barras											
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.771 m	1.543 m	2.314 m	3.085 m	3.857 m	4.628 m	5.399 m	6.171 m
N157/N151	Aço laminado	$N_{mín}$	-1172.322	-1171.173	-1170.023	-1168.874	-1167.724	-1166.574	-1165.425	-1164.275	-1163.126
		$N_{máx}$	-648.955	-648.070	-647.186	-646.302	-645.418	-644.533	-643.649	-642.765	-641.881
		$Vy_{mín}$	-0.054	-0.054	-0.054	-0.054	-0.243	-1.215	-2.187	-3.159	-4.131
		$Vy_{máx}$	3.654	2.682	1.710	0.738	0.001	0.001	0.001	0.001	0.001
		$Vz_{mín}$	38.459	38.576	38.692	38.808	38.925	39.041	39.157	39.274	39.390
		$Vz_{máx}$	69.339	69.490	69.641	69.793	69.944	70.095	70.246	70.398	70.549
		$Mt_{mín}$	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		$Mt_{máx}$	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		$My_{mín}$	121.18	91.47	61.67	31.78	1.79	-51.30	-105.42	-159.66	-214.02
		$My_{máx}$	217.57	164.03	110.37	56.94	3.52	-28.26	-58.42	-88.67	-119.01
		$Mz_{mín}$	-1.53	-3.97	-5.65	-6.59	-6.78	-6.21	-4.90	-2.84	-0.03
		$Mz_{máx}$	0.01	0.01	0.01	0.01	0.02	0.05	0.07	0.10	0.13

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.743 m	1.485 m	2.228 m	2.971 m	3.713 m	4.456 m	5.199 m	5.941 m
N159/N150	Aço laminado	$N_{mín}$	627.398	628.249	629.100	629.951	630.802	631.653	632.503	633.354	634.205
		$N_{máx}$	1139.627	1140.733	1141.839	1142.945	1144.051	1145.157	1146.263	1147.369	1148.475
		$Vy_{mín}$	-3.573	-2.637	-1.701	-0.765	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.073	0.073	0.073	0.073	0.184	1.120	2.056	2.992	3.927
		$Vz_{mín}$	-68.600	-68.448	-68.297	-68.146	-67.994	-67.843	-67.692	-67.541	-67.389
		$Vz_{máx}$	-37.573	-37.457	-37.341	-37.224	-37.108	-36.992	-36.875	-36.759	-36.643
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		$My_{mín}$	-198.02	-147.13	-96.35	-45.68	3.00	30.52	57.95	85.29	112.55
		$My_{máx}$	-107.92	-80.06	-52.29	-24.60	5.69	55.31	105.64	155.86	205.97
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.743 m	1.485 m	2.228 m	2.971 m	3.713 m	4.456 m	5.199 m	5.941 m
		$Mz_{máx}$	1.08	3.37	4.97	5.88	6.09	5.60	4.42	2.56	0.11

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.771 m	1.542 m	2.314 m	3.085 m	3.856 m	4.627 m	5.398 m	6.169 m
N160/N149	Aço laminado	$N_{mín}$	-798.361	-797.212	-796.063	-794.914	-793.764	-792.615	-791.466	-790.316	-789.167
		$N_{máx}$	-420.887	-420.003	-419.118	-418.234	-417.350	-416.466	-415.582	-414.698	-413.814
		$Vy_{mín}$	-0.035	-0.035	-0.035	-0.035	-0.211	-1.183	-2.154	-3.126	-4.098
		$Vy_{máx}$	3.692	2.720	1.748	0.776	0.001	0.001	0.001	0.001	0.001
		$Vz_{mín}$	25.726	25.843	25.959	26.075	26.192	26.308	26.424	26.541	26.657
		$Vz_{máx}$	48.439	48.590	48.741	48.892	49.044	49.195	49.346	49.497	49.649
		$Mt_{mín}$	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		$Mt_{máx}$	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		$My_{mín}$	84.00	64.12	44.15	24.08	3.93	-31.12	-69.12	-107.23	-145.46
		$My_{máx}$	157.11	119.70	82.17	44.52	7.39	-16.32	-36.65	-57.07	-77.58
		$Mz_{mín}$	-1.42	-3.88	-5.59	-6.55	-6.77	-6.23	-4.94	-2.91	-0.12
		$Mz_{máx}$	0.02	0.04	0.07	0.09	0.11	0.14	0.16	0.19	0.21

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.743 m	1.485 m	2.228 m	2.970 m	3.713 m	4.455 m	5.198 m	5.940 m
N161/N148	Aço laminado	$N_{mín}$	389.857	390.708	391.559	392.409	393.260	394.111	394.961	395.812	396.663
		$N_{máx}$	748.398	749.503	750.609	751.715	752.821	753.927	755.033	756.139	757.245
		$Vy_{mín}$	-3.582	-2.647	-1.711	-0.775	-0.088	-0.088	-0.088	-0.088	-0.088
		$Vy_{máx}$	0.002	0.002	0.002	0.002	0.175	1.110	2.046	2.981	3.917
		$Vz_{mín}$	-38.849	-38.697	-38.546	-38.395	-38.243	-38.092	-37.941	-37.790	-37.638
		$Vz_{máx}$	-20.331	-20.215	-20.099	-19.982	-19.866	-19.749	-19.633	-19.517	-19.400
		$Mt_{mín}$	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
		$Mt_{máx}$	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		$My_{mín}$	-109.04	-80.25	-51.57	-23.00	3.12	17.82	32.45	46.98	61.43
		$My_{máx}$	-56.58	-41.53	-26.56	-11.68	5.89	33.79	62.02	90.14	118.14
		$Mz_{mín}$	-0.35	-0.29	-0.22	-0.16	-0.09	-0.02	0.00	0.00	-0.09
		$Mz_{máx}$	0.95	3.25	4.86	5.77	5.99	5.51	4.34	2.48	0.18

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.774 m	1.548 m	2.322 m	3.096 m	3.870 m	4.644 m	5.418 m	6.192 m
N162/N147	Aço laminado	$N_{mín}$	-177.514	-176.360	-175.207	-174.053	-172.899	-171.746	-170.592	-169.439	-168.285
		$N_{máx}$	-14.572	-13.684	-12.797	-11.910	-11.022	-10.135	-9.247	-8.360	-7.473
		$Vy_{mín}$	-0.003	-0.003	-0.003	-0.003	-0.083	-1.058	-2.033	-3.008	-3.984
		$Vy_{máx}$	3.839	2.864	1.889	0.913	0.043	0.043	0.043	0.043	0.043
		$Vz_{mín}$	9.727	9.843	9.959	10.075	10.191	10.307	10.423	10.539	10.655
		$Vz_{máx}$	20.028	20.179	20.329	20.480	20.631	20.782	20.933	21.084	21.235
		$Mt_{mín}$	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		$Mt_{máx}$	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		$My_{mín}$	34.86	27.28	19.60	11.84	3.98	-9.48	-25.63	-41.89	-58.26
		$My_{máx}$	69.48	53.92	38.25	22.84	7.43	-2.30	-10.51	-18.81	-27.19
		$Mz_{mín}$	-1.35	-3.92	-5.75	-6.82	-7.13	-6.69	-5.50	-3.57	-0.88
		$Mz_{máx}$	0.84	0.81	0.77	0.74	0.71	0.68	0.67	0.65	0.64

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.768 m	1.535 m	2.303 m	3.071 m	3.839 m	4.606 m	5.374 m	6.142 m
N163/N146	Aço laminado	$N_{mín}$	137.429	138.309	139.189	140.069	140.949	141.829	142.709	143.590	144.470
		$N_{máx}$	316.682	317.826	318.970	320.115	321.259	322.403	323.547	324.691	325.836
		$Vy_{mín}$	-3.787	-2.819	-1.852	-0.884	0.001	0.001	0.001	0.001	0.001
		$Vy_{máx}$	0.066	0.066	0.066	0.066	0.089	1.057	2.024	2.991	3.959

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.768 m	1.535 m	2.303 m	3.071 m	3.839 m	4.606 m	5.374 m	6.142 m
		$Vz_{mín}$	-10.266	-10.115	-9.965	-9.814	-9.664	-9.514	-9.363	-9.213	-9.062
		$Vz_{máx}$	-0.828	-0.712	-0.596	-0.481	-0.365	-0.249	-0.133	-0.018	0.098
		$Mt_{mín}$	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		$Mt_{máx}$	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		$My_{mín}$	-26.43	-18.60	-10.89	-3.30	2.55	3.85	4.00	4.06	4.03
		$My_{máx}$	1.79	2.38	2.88	3.29	4.95	11.54	18.78	25.92	32.93
		$Mz_{mín}$	-0.10	-0.15	-0.20	-0.25	-0.30	-0.35	-0.40	-0.45	-0.50
		$Mz_{máx}$	1.22	3.75	5.54	6.59	6.90	6.47	5.29	3.37	0.70

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.777 m	1.554 m	2.331 m	3.108 m	3.885 m	4.661 m	5.438 m	6.215 m
N164/N145	Aço laminado	$N_{mín}$	125.197	126.088	126.978	127.869	128.760	129.651	130.542	131.433	132.324
		$N_{máx}$	302.893	304.051	305.209	306.367	307.525	308.683	309.841	310.999	312.157
		$Vy_{mín}$	-0.183	-0.183	-0.183	-0.183	-0.183	-0.966	-1.945	-2.924	-3.903
		$Vy_{máx}$	3.938	2.960	1.981	1.002	0.023	0.004	0.004	0.004	0.004
		$Vz_{mín}$	-7.719	-7.569	-7.418	-7.268	-7.125	-7.009	-6.894	-6.778	-6.662
		$Vz_{máx}$	0.961	1.077	1.192	1.308	1.431	1.582	1.732	1.883	2.033
		$Mt_{mín}$	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		$Mt_{máx}$	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		$My_{mín}$	-17.89	-12.04	-6.28	-0.91	3.11	3.30	2.06	0.73	-0.72
		$My_{máx}$	8.18	7.48	6.66	6.02	5.97	10.66	16.01	21.25	26.39
		$Mz_{mín}$	-1.16	-3.84	-5.76	-6.91	-7.31	-6.95	-5.83	-3.94	-1.30
		$Mz_{máx}$	0.06	0.20	0.34	0.48	0.62	0.76	0.90	1.05	1.19

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.763 m	1.527 m	2.290 m	3.054 m	3.817 m	4.581 m	5.344 m	6.107 m
N226/N243	Aço laminado	$N_{mín}$	-84.866	-83.728	-82.590	-81.453	-80.402	-79.527	-78.652	-77.777	-76.902
		$N_{máx}$	60.732	61.607	62.482	63.357	64.318	65.456	66.594	67.731	68.869
		$Vy_{mín}$	-3.890	-2.929	-1.967	-1.005	-0.043	-0.005	-0.005	-0.005	-0.005
		$Vy_{máx}$	0.124	0.124	0.124	0.124	0.124	0.956	1.918	2.880	3.842
		$Vz_{mín}$	8.218	8.334	8.450	8.566	8.681	8.797	8.913	9.029	9.145
		$Vz_{máx}$	18.521	18.672	18.822	18.973	19.123	19.274	19.425	19.575	19.726
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		$My_{mín}$	29.57	23.25	16.85	10.35	3.77	-8.46	-23.23	-38.12	-53.12
		$My_{máx}$	63.68	49.48	35.17	21.07	7.08	-1.40	-8.40	-15.50	-22.68
		$Mz_{mín}$	-0.78	-0.85	-0.91	-0.98	-1.05	-1.12	-1.19	-1.27	-1.37
		$Mz_{máx}$	1.43	4.01	5.85	6.95	7.32	6.96	5.88	4.07	1.54

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.741 m	1.481 m	2.222 m	2.963 m	3.703 m	4.444 m	5.184 m	5.925 m
N227/N242	Aço laminado	$N_{mín}$	377.189	378.037	378.886	379.734	380.583	381.431	382.280	383.128	383.977
		$N_{máx}$	748.119	749.222	750.325	751.428	752.531	753.634	754.737	755.840	756.943
		$Vy_{mín}$	-0.001	-0.001	-0.001	-0.001	-0.183	-1.116	-2.049	-2.982	-3.916
		$Vy_{máx}$	3.577	2.644	1.710	0.777	0.071	0.071	0.071	0.071	0.071
		$Vz_{mín}$	-36.753	-36.602	-36.451	-36.301	-36.150	-35.999	-35.848	-35.698	-35.547
		$Vz_{máx}$	-18.428	-18.312	-18.196	-18.080	-17.964	-17.848	-17.732	-17.616	-17.500
		$Mt_{mín}$	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
		$Mt_{máx}$	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
		$My_{mín}$	-102.14	-74.97	-47.92	-20.98	3.31	16.57	29.75	42.84	55.84
		$My_{máx}$	-50.59	-36.99	-23.47	-10.04	6.29	32.57	59.18	85.67	112.05
		$Mz_{mín}$	-0.96	-3.24	-4.83	-5.73	-5.94	-5.46	-4.29	-2.43	-0.17
		$Mz_{máx}$	0.25	0.20	0.14	0.09	0.04	0.01	0.01	0.01	0.13

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Envoltórias dos esforços em barras											
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.761 m	1.521 m	2.282 m	3.043 m	3.803 m	4.564 m	5.325 m	6.085 m
N216/N241	Aço laminado	$N_{mín}$	-770.939	-769.806	-768.673	-767.539	-766.406	-765.272	-764.139	-763.005	-761.872
		$N_{máx}$	-393.358	-392.486	-391.614	-390.742	-389.870	-388.998	-388.126	-387.255	-386.383
		$Vy_{mín}$	-3.647	-2.689	-1.730	-0.772	-0.007	-0.007	-0.007	-0.007	-0.007
		$Vy_{máx}$	0.001	0.001	0.001	0.001	0.191	1.149	2.108	3.066	4.025
		$Vz_{mín}$	25.158	25.274	25.390	25.506	25.622	25.738	25.854	25.970	26.086
		$Vz_{máx}$	48.804	48.954	49.105	49.256	49.407	49.557	49.708	49.859	50.010
		$Mt_{mín}$	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		$Mt_{máx}$	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		$My_{mín}$	81.28	62.10	42.83	23.47	4.02	-30.71	-68.47	-106.34	-144.32
		$My_{máx}$	156.34	119.16	81.86	44.45	7.55	-15.51	-35.13	-54.85	-74.64
		$Mz_{mín}$	-0.26	-0.25	-0.25	-0.24	-0.24	-0.23	-0.23	-0.22	-0.21
		$Mz_{máx}$	1.33	3.74	5.41	6.36	6.58	6.07	4.83	2.87	0.17

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.742 m	1.485 m	2.227 m	2.969 m	3.712 m	4.454 m	5.196 m	5.939 m
N217/N240	Aço laminado	$N_{mín}$	608.172	609.023	609.873	610.724	611.574	612.425	613.275	614.126	614.976
		$N_{máx}$	1128.686	1129.792	1130.898	1132.003	1133.109	1134.215	1135.320	1136.426	1137.532
		$Vy_{mín}$	-0.032	-0.032	-0.032	-0.032	-0.156	-1.092	-2.027	-2.963	-3.898
		$Vy_{máx}$	3.586	2.650	1.715	0.780	0.001	0.001	0.001	0.001	0.001
		$Vz_{mín}$	-67.243	-67.092	-66.941	-66.791	-66.640	-66.489	-66.338	-66.188	-66.037
		$Vz_{máx}$	-36.026	-35.910	-35.794	-35.678	-35.562	-35.446	-35.330	-35.214	-35.098
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		$My_{mín}$	-193.44	-143.58	-93.83	-44.19	3.27	29.63	55.90	82.08	108.18
		$My_{máx}$	-103.01	-76.31	-49.70	-23.17	6.14	54.75	104.05	153.24	202.32
		$Mz_{mín}$	-0.89	-3.20	-4.82	-5.75	-5.98	-5.52	-4.36	-2.51	-0.10
		$Mz_{máx}$	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06

Envoltórias dos esforços em barras											
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.762 m	1.525 m	2.287 m	3.050 m	3.812 m	4.574 m	5.337 m	6.099 m
N214/N239	Aço laminado	$N_{mín}$	-1139.514	-1138.378	-1137.242	-1136.106	-1134.970	-1133.834	-1132.698	-1131.561	-1130.425
		$N_{máx}$	-617.845	-616.971	-616.098	-615.224	-614.350	-613.476	-612.602	-611.728	-610.854
		$Vy_{mín}$	-3.654	-2.693	-1.733	-0.772	-0.008	-0.008	-0.008	-0.008	-0.008
		$Vy_{máx}$	0.001	0.001	0.001	0.001	0.194	1.154	2.115	3.076	4.036
		$Vz_{mín}$	38.394	38.510	38.626	38.742	38.858	38.974	39.090	39.206	39.322
		$Vz_{máx}$	70.447	70.598	70.749	70.899	71.050	71.201	71.352	71.502	71.653
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		$My_{mín}$	119.50	90.18	60.78	31.29	1.65	-51.77	-106.11	-160.57	-215.14
		$My_{máx}$	218.21	164.45	110.56	56.88	3.25	-27.97	-57.72	-87.57	-117.51
		$Mz_{mín}$	-0.16	-0.15	-0.15	-0.14	-0.13	-0.13	-0.12	-0.11	-0.11
		$Mz_{máx}$	1.25	3.67	5.35	6.30	6.52	6.01	4.76	2.78	0.07

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.744 m	1.488 m	2.232 m	2.976 m	3.720 m	4.464 m	5.208 m	5.953 m
N215/N238	Aço laminado	$N_{mín}$	777.457	778.309	779.162	780.014	780.867	781.719	782.572	783.424	784.277
		$N_{máx}$	1416.434	1417.542	1418.651	1419.759	1420.867	1421.975	1423.084	1424.192	1425.300
		$Vy_{mín}$	-0.008	-0.008	-0.008	-0.008	-0.201	-1.139	-2.076	-3.014	-3.951
		$Vy_{máx}$	3.551	2.613	1.676	0.738	0.001	0.001	0.001	0.001	0.001
		$Vz_{mín}$	-78.878	-78.728	-78.577	-78.426	-78.275	-78.125	-77.974	-77.823	-77.672
		$Vz_{máx}$	-43.542	-43.426	-43.310	-43.194	-43.078	-42.962	-42.846	-42.730	-42.614
		$Mt_{mín}$	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		$Mt_{máx}$	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		$My_{mín}$	-234.75	-176.11	-117.59	-59.18	-1.28	31.70	63.62	95.46	127.21
		$My_{máx}$	-129.21	-96.86	-64.59	-32.40	0.07	57.31	115.38	173.34	231.19

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.744 m	1.488 m	2.232 m	2.976 m	3.720 m	4.464 m	5.208 m	5.953 m
		$Mz_{mín}$	-1.02	-3.31	-4.91	-5.81	-6.01	-5.51	-4.32	-2.42	-0.14
		$Mz_{máx}$	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.22

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.764 m	1.528 m	2.292 m	3.056 m	3.821 m	4.585 m	5.349 m	6.113 m
N212/N237	Aço laminado	$N_{mín}$	-1176.332	-1175.193	-1174.054	-1172.916	-1171.777	-1170.638	-1169.500	-1168.361	-1167.222
		$N_{máx}$	-644.822	-643.947	-643.071	-642.195	-641.319	-640.443	-639.567	-638.691	-637.815
		$Vy_{mín}$	-3.659	-2.696	-1.733	-0.770	-0.007	-0.007	-0.007	-0.007	-0.007
		$Vy_{máx}$	0.028	0.028	0.028	0.028	0.199	1.162	2.125	3.088	4.050
		$Vz_{mín}$	34.490	34.606	34.722	34.838	34.954	35.070	35.186	35.302	35.418
		$Vz_{máx}$	62.593	62.744	62.894	63.045	63.196	63.347	63.497	63.648	63.799
		$Mt_{mín}$	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06
		$Mt_{máx}$	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
		$My_{mín}$	103.45	77.05	50.57	23.99	-5.04	-53.34	-101.80	-150.38	-199.07
		$My_{máx}$	187.24	139.35	91.35	43.24	-2.67	-29.43	-56.27	-83.20	-110.22
		$Mz_{mín}$	-0.83	-0.84	-0.86	-0.87	-0.89	-0.91	-0.93	-0.94	-0.96
		$Mz_{máx}$	1.63	4.06	5.74	6.70	6.91	6.39	5.14	3.15	0.42

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.746 m	1.492 m	2.237 m	2.983 m	3.729 m	4.475 m	5.221 m	5.966 m
N213/N236	Aço laminado	$N_{mín}$	1034.790	1036.826	1038.862	1040.897	1042.933	1044.969	1047.004	1049.040	1051.076
		$N_{máx}$	1831.585	1834.231	1836.878	1839.524	1842.170	1844.817	1847.463	1850.109	1852.756
		$Vy_{mín}$	-4.324	-4.324	-4.324	-4.324	-4.324	-4.324	-4.324	-4.324	-4.324
		$Vy_{máx}$	9.502	8.562	7.623	6.683	5.743	4.804	3.864	2.924	1.984
		$Vz_{mín}$	-172.611	-172.252	-171.893	-171.534	-171.175	-170.816	-170.456	-170.097	-169.738
		$Vz_{máx}$	-96.226	-95.950	-95.673	-95.397	-95.121	-94.845	-94.568	-94.292	-94.016
		$Mt_{mín}$	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46
		$Mt_{máx}$	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
		$My_{mín}$	-572.53	-443.93	-315.61	-187.54	-59.81	36.49	108.20	178.74	248.96
		$My_{máx}$	-318.56	-246.90	-175.44	-104.19	-33.15	67.78	195.03	322.03	448.75
		$Mz_{mín}$	-2.43	-9.16	-15.20	-20.53	-25.16	-29.10	-32.33	-34.86	-36.69
		$Mz_{máx}$	0.52	3.74	6.97	10.19	13.42	16.64	19.87	23.09	26.32

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.782 m	1.565 m	2.347 m	3.129 m	3.912 m	4.694 m	5.476 m	6.259 m
N3/N18	Aço laminado	$N_{mín}$	-2389.023	-2386.292	-2383.561	-2380.830	-2378.100	-2375.369	-2372.638	-2369.907	-2367.177
		$N_{máx}$	-1336.845	-1334.745	-1332.644	-1330.544	-1328.443	-1326.343	-1324.242	-1322.142	-1320.041
		$Vy_{mín}$	-26.493	-25.507	-24.521	-23.536	-22.550	-21.564	-20.579	-19.593	-18.607
		$Vy_{máx}$	16.643	16.643	16.643	16.643	16.643	16.643	16.643	16.643	16.643
		$Vz_{mín}$	67.210	67.692	68.173	68.654	69.135	69.617	70.098	70.579	71.060
		$Vz_{máx}$	119.692	120.318	120.944	121.569	122.195	122.821	123.446	124.072	124.697
		$Mt_{mín}$	-4.39	-4.39	-4.39	-4.39	-4.39	-4.39	-4.39	-4.39	-4.39
		$Mt_{máx}$	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45
		$My_{mín}$	252.21	199.44	146.28	92.76	38.85	-29.63	-125.72	-222.55	-319.87
		$My_{máx}$	452.45	358.92	264.90	170.40	75.40	-12.16	-69.28	-125.12	-180.53
		$Mz_{mín}$	-6.76	-8.21	-21.23	-34.25	-47.28	-60.30	-73.32	-86.34	-99.36
		$Mz_{máx}$	4.87	13.70	33.27	52.07	70.10	87.36	103.85	119.56	134.51

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N1/N92	Aço laminado	$N_{mín}$	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646
		$N_{máx}$	3.105	3.105	3.105	3.105	3.105	3.105	3.105	3.105	3.105
		$Vy_{mín}$	-0.111	-0.111	-0.111	-0.111	-0.111	-0.111	-0.111	-0.111	-0.111
		$Vy_{máx}$	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074
		$Vz_{mín}$	-258.309	-252.174	-246.039	-239.904	-233.769	-227.634	-221.499	-215.364	-209.229

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		$Vz_{máx}$	-119.515	-115.743	-111.971	-108.199	-104.427	-100.655	-96.882	-93.110	-89.338
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	22.06	43.40	64.04	83.98	103.20	121.72	139.54	156.64
		$My_{máx}$	0.00	47.86	94.57	140.12	184.53	227.79	269.89	310.85	350.65
		$Mz_{mín}$	0.00	0.01	0.03	0.04	0.06	0.07	0.08	0.10	0.11
		$Mz_{máx}$	0.00	0.02	0.04	0.06	0.08	0.10	0.12	0.15	0.17

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N92/N93	Aço laminado	$N_{mín}$	0.646	0.646	0.646
		$N_{máx}$	3.105	3.105	3.105
		$Vy_{mín}$	-0.111	-0.111	-0.111
		$Vy_{máx}$	-0.074	-0.074	-0.074
		$Vz_{mín}$	-209.229	-201.250	-193.271
		$Vz_{máx}$	-89.338	-83.200	-77.062
		$Mt_{mín}$	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	156.64	173.89	189.92
		$My_{máx}$	350.65	391.70	431.15
		$Mz_{mín}$	0.11	0.13	0.14
		$Mz_{máx}$	0.17	0.19	0.21

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N93/N94	Aço laminado	$N_{mín}$	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646
		$N_{máx}$	3.105	3.105	3.105	3.105	3.105	3.105	3.105	3.105	3.105
		$Vy_{mín}$	-0.111	-0.111	-0.111	-0.111	-0.111	-0.111	-0.111	-0.111	-0.111
		$Vy_{máx}$	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074
		$Vz_{mín}$	-193.271	-166.069	-138.886	-125.295	-106.231	-91.416	-76.611	-69.209	-54.394
		$Vz_{máx}$	-77.062	-68.438	-59.819	-55.510	-46.885	-38.261	-29.642	-22.518	2.096
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	189.92	221.11	248.58	260.93	282.88	301.13	315.68	321.56	330.58
		$My_{máx}$	431.15	508.18	573.50	601.79	649.68	685.90	710.45	718.35	725.43
		$Mz_{mín}$	0.14	0.17	0.20	0.22	0.25	0.28	0.31	0.33	0.36
		$Mz_{máx}$	0.21	0.26	0.31	0.33	0.38	0.42	0.47	0.50	0.54

Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N94/N42	Aço laminado	$N_{mín}$	0.646	0.646	0.646	0.646	0.646
		$N_{máx}$	3.105	3.105	3.105	3.105	3.105
		$Vy_{mín}$	-0.111	-0.111	-0.111	-0.111	-0.111
		$Vy_{máx}$	-0.074	-0.074	-0.074	-0.074	-0.074
		$Vz_{mín}$	-54.394	-47.266	-40.138	-33.010	-25.883
		$Vz_{máx}$	2.096	7.979	13.862	19.745	25.628
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	330.58	333.59	335.76	337.06	337.51

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Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		$My_{máx}$	725.43	725.30	723.70	720.62	716.08
		$Mz_{mín}$	0.36	0.38	0.39	0.41	0.42
		$Mz_{máx}$	0.54	0.57	0.59	0.61	0.63

Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N42/N97	Aço laminado	$N_{mín}$	0.646	0.646	0.646	0.646	0.646
		$N_{máx}$	3.105	3.105	3.105	3.105	3.105
		$Vy_{mín}$	0.074	0.074	0.074	0.074	0.074
		$Vy_{máx}$	0.111	0.111	0.111	0.111	0.111
		$Vz_{mín}$	-25.628	-19.745	-13.862	-7.979	-2.096
		$Vz_{máx}$	25.883	33.010	40.138	47.266	54.394
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	337.51	337.06	335.76	333.59	330.58
		$My_{máx}$	716.08	720.62	723.70	725.30	725.43
		$Mz_{mín}$	0.42	0.41	0.39	0.38	0.36
		$Mz_{máx}$	0.63	0.61	0.59	0.57	0.54

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N97/N96	Aço laminado	$N_{mín}$	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646
		$N_{máx}$	3.105	3.105	3.105	3.105	3.105	3.105	3.105	3.105	3.105
		$Vy_{mín}$	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074
		$Vy_{máx}$	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111
		$Vz_{mín}$	-2.096	22.518	33.951	38.261	46.885	55.510	64.128	68.438	77.062
		$Vz_{máx}$	54.394	69.209	84.014	91.416	106.231	125.295	152.478	166.069	193.271
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	330.58	321.56	308.87	301.13	282.88	260.93	235.31	221.11	189.92
		$My_{máx}$	725.43	718.35	699.63	685.90	649.68	601.79	542.29	508.18	431.15
		$Mz_{mín}$	0.36	0.33	0.30	0.28	0.25	0.22	0.19	0.17	0.14
		$Mz_{máx}$	0.54	0.50	0.45	0.42	0.38	0.33	0.28	0.26	0.21

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N96/N95	Aço laminado	$N_{mín}$	0.646	0.646	0.646
		$N_{máx}$	3.105	3.105	3.105
		$Vy_{mín}$	0.074	0.074	0.074
		$Vy_{máx}$	0.111	0.111	0.111
		$Vz_{mín}$	77.062	83.200	89.338
		$Vz_{máx}$	193.271	201.250	209.229
		$Mt_{mín}$	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	189.92	173.89	156.64
		$My_{máx}$	431.15	391.70	350.65
		$Mz_{mín}$	0.14	0.13	0.11

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		$Mz_{máx}$	0.21	0.19	0.17

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N95/N2	Aço laminado	$N_{mín}$	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646
		$N_{máx}$	3.105	3.105	3.105	3.105	3.105	3.105	3.105	3.105	3.105
		$Vy_{mín}$	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074
		$Vy_{máx}$	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111
		$Vz_{mín}$	89.338	93.110	96.882	100.655	104.427	108.199	111.971	115.743	119.515
		$Vz_{máx}$	209.229	215.364	221.499	227.634	233.769	239.904	246.039	252.174	258.309
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	156.64	139.54	121.72	103.20	83.98	64.04	43.40	22.06	0.00
		$My_{máx}$	350.65	310.85	269.89	227.79	184.53	140.12	94.57	47.86	0.00
		$Mz_{mín}$	0.11	0.10	0.08	0.07	0.06	0.04	0.03	0.01	0.00
		$Mz_{máx}$	0.17	0.15	0.12	0.10	0.08	0.06	0.04	0.02	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N19/N86	Aço laminado	$N_{mín}$	-0.130	-0.130	-0.130	-0.130	-0.130	-0.130	-0.130	-0.130	-0.130
		$N_{máx}$	7.751	7.751	7.751	7.751	7.751	7.751	7.751	7.751	7.751
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-450.319	-438.222	-426.126	-414.030	-401.934	-389.838	-377.741	-365.645	-353.549
		$Vz_{máx}$	-234.762	-227.343	-219.923	-212.504	-205.085	-197.666	-190.247	-182.827	-175.408
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	43.32	85.25	125.79	164.94	202.70	239.07	274.04	307.63
		$My_{máx}$	0.00	83.30	164.33	243.10	319.59	393.82	465.78	535.48	602.90
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N86/N87	Aço laminado	$N_{mín}$	-0.130	-0.130	-0.130
		$N_{máx}$	7.751	7.751	7.751
		$Vy_{mín}$	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000
		$Vz_{mín}$	-353.549	-337.788	-322.028
		$Vz_{máx}$	-175.408	-163.285	-151.145
		$Mt_{mín}$	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	307.63	341.50	372.94
		$My_{máx}$	602.90	672.03	738.02
		$Mz_{mín}$	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N87/N88	Aço laminado	$N_{mín}$	-0.130	-0.130	-0.130	-0.130	-0.130	-0.130	-0.130	-0.130	-0.130
		$N_{máx}$	7.751	7.751	7.751	7.751	7.751	7.751	7.751	7.751	7.751
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-322.028	-280.416	-238.832	-218.041	-184.566	-155.340	-126.134	-111.532	-82.306
		$Vz_{máx}$	-151.145	-134.182	-117.231	-108.755	-91.792	-74.829	-57.877	-49.402	-20.960
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	372.94	434.11	487.97	512.17	555.17	590.89	619.32	630.82	648.37
		$My_{máx}$	738.02	867.15	978.37	1027.30	1111.86	1178.57	1227.42	1245.17	1267.30
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N88/N38	Aço laminado	$N_{mín}$	-0.130	-0.130	-0.130	-0.130	-0.130
		$N_{máx}$	7.751	7.751	7.751	7.751	7.751
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-82.306	-68.245	-54.184	-40.123	-26.062
		$Vz_{máx}$	-20.960	-9.348	2.265	13.877	25.490
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	648.37	654.22	658.39	660.87	661.67
		$My_{máx}$	1267.30	1272.21	1274.22	1273.33	1269.53
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N38/N91	Aço laminado	$N_{mín}$	-0.130	-0.130	-0.130	-0.130	-0.130
		$N_{máx}$	7.751	7.751	7.751	7.751	7.751
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-25.490	-13.877	-2.265	9.348	20.960
		$Vz_{máx}$	26.062	40.123	54.184	68.245	82.306
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	661.67	660.87	658.39	654.22	648.37
		$My_{máx}$	1269.53	1273.33	1274.22	1272.21	1267.30
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N91/N90	Aço laminado	$N_{mín}$	-0.130	-0.130	-0.130	-0.130	-0.130	-0.130	-0.130	-0.130	-0.130
		$N_{máx}$	7.751	7.751	7.751	7.751	7.751	7.751	7.751	7.751	7.751
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	20.960	49.402	66.353	74.829	91.792	108.755	125.707	134.182	151.145
		$Vz_{máx}$	82.306	111.532	140.737	155.340	184.566	218.041	259.624	280.416	322.028
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	648.37	630.82	606.01	590.89	555.17	512.17	461.95	434.11	372.94
		$My_{máx}$	1267.30	1245.17	1205.22	1178.57	1111.86	1027.30	924.99	867.15	738.02
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N90/N89	Aço laminado	$N_{mín}$	-0.130	-0.130	-0.130
		$N_{máx}$	7.751	7.751	7.751
		$Vy_{mín}$	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000
		$Vz_{mín}$	151.145	163.285	175.408
		$Vz_{máx}$	322.028	337.788	353.549
		$Mt_{mín}$	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	372.94	341.50	307.63
		$My_{máx}$	738.02	672.03	602.90
		$Mz_{mín}$	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N89/N23	Aço laminado	$N_{mín}$	-0.130	-0.130	-0.130	-0.130	-0.130	-0.130	-0.130	-0.130	-0.130
		$N_{máx}$	7.751	7.751	7.751	7.751	7.751	7.751	7.751	7.751	7.751
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	175.408	182.827	190.247	197.666	205.085	212.504	219.923	227.343	234.762
		$Vz_{máx}$	353.549	365.645	377.741	389.838	401.934	414.030	426.126	438.222	450.319
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	307.63	274.04	239.07	202.70	164.94	125.79	85.25	43.32	0.00
		$My_{máx}$	602.90	535.48	465.78	393.82	319.59	243.10	164.33	83.30	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N98/N80	Aço laminado	$N_{mín}$	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		$N_{máx}$	4.862	4.862	4.862	4.862	4.862	4.862	4.862	4.862	4.862
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-499.838	-488.076	-476.314	-464.553	-452.791	-441.029	-429.267	-417.506	-405.744
		$Vz_{máx}$	-227.560	-220.390	-213.219	-206.049	-198.878	-191.708	-184.537	-177.367	-170.196
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	42.00	82.65	121.95	159.91	196.53	231.80	265.73	298.32

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		$My_{máx}$	0.00	92.62	183.03	271.23	357.24	441.03	522.62	602.01	679.19
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N80/N81	Aço laminado	$N_{mín}$	0.008	0.008	0.008
		$N_{máx}$	4.862	4.862	4.862
		$Vy_{mín}$	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000
		$Vz_{mín}$	-405.744	-390.353	-374.963
		$Vz_{máx}$	-170.196	-158.357	-146.518
		$Mt_{mín}$	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	298.32	331.17	361.66
		$My_{máx}$	679.19	758.80	835.33
		$Mz_{mín}$	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N81/N82	Aço laminado	$N_{mín}$	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		$N_{máx}$	4.862	4.862	4.862	4.862	4.862	4.862	4.862	4.862	4.862
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-374.963	-321.961	-268.996	-242.514	-205.640	-177.186	-148.752	-134.535	-106.080
		$Vz_{máx}$	-146.518	-130.124	-113.741	-105.549	-89.155	-72.760	-56.377	-42.607	5.476
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	361.66	420.96	473.19	496.68	538.42	573.12	600.78	611.98	629.12
		$My_{máx}$	835.33	984.71	1111.30	1166.08	1258.68	1328.57	1375.70	1390.76	1403.86
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N82/N37	Aço laminado	$N_{mín}$	0.008	0.008	0.008	0.008	0.008
		$N_{máx}$	4.862	4.862	4.862	4.862	4.862
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-106.080	-92.391	-78.702	-65.012	-51.323
		$Vz_{máx}$	5.476	16.799	28.123	39.446	50.769
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	629.12	634.87	638.98	641.47	642.34
		$My_{máx}$	1403.86	1403.29	1399.89	1393.67	1384.63
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N37/N85	Aço laminado	$N_{mín}$	0.008	0.008	0.008	0.008	0.008
		$N_{máx}$	4.862	4.862	4.862	4.862	4.862
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-50.769	-39.446	-28.123	-16.799	-5.476
		$Vz_{máx}$	51.323	65.012	78.702	92.391	106.080
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	642.34	641.47	638.98	634.87	629.12
		$My_{máx}$	1384.63	1393.67	1399.89	1403.29	1403.86
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N85/N84	Aço laminado	$N_{mín}$	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		$N_{máx}$	4.862	4.862	4.862	4.862	4.862	4.862	4.862	4.862	4.862
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-5.476	42.607	64.569	72.760	89.155	105.549	121.932	130.124	146.518
		$Vz_{máx}$	106.080	134.535	162.969	177.186	205.640	242.514	295.479	321.961	374.963
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	629.12	611.98	587.83	573.12	538.42	496.68	447.95	420.96	361.66
		$My_{máx}$	1403.86	1390.76	1354.97	1328.57	1258.68	1166.08	1050.84	984.71	835.33
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N84/N83	Aço laminado	$N_{mín}$	0.008	0.008	0.008
		$N_{máx}$	4.862	4.862	4.862
		$Vy_{mín}$	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000
		$Vz_{mín}$	146.518	158.357	170.196
		$Vz_{máx}$	374.963	390.353	405.744
		$Mt_{mín}$	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	361.66	331.17	298.32
		$My_{máx}$	835.33	758.80	679.19
		$Mz_{mín}$	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N83/N100	Aço laminado	$N_{mín}$	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		$N_{máx}$	4.862	4.862	4.862	4.862	4.862	4.862	4.862	4.862	4.862

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	170.196	177.367	184.537	191.708	198.878	206.049	213.219	220.390	227.560
		$Vz_{máx}$	405.744	417.506	429.267	441.029	452.791	464.553	476.314	488.076	499.838
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	298.32	265.73	231.80	196.53	159.91	121.95	82.65	42.00	0.00
		$My_{máx}$	679.19	602.01	522.62	441.03	357.24	271.23	183.03	92.62	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N22/N74	Aço laminado	$N_{mín}$	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038
		$N_{máx}$	8.391	8.391	8.391	8.391	8.391	8.391	8.391	8.391	8.391
		$Vy_{mín}$	-1.271	-1.271	-1.271	-1.271	-1.271	-1.271	-1.271	-1.271	-1.271
		$Vy_{máx}$	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283
		$Vz_{mín}$	-440.385	-428.602	-416.818	-405.035	-393.252	-381.468	-369.685	-357.902	-346.118
		$Vz_{máx}$	-227.329	-220.145	-212.962	-205.778	-198.595	-191.411	-184.228	-177.044	-169.861
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	41.95	82.55	121.81	159.72	196.28	231.50	265.37	297.89
		$My_{máx}$	0.00	81.47	160.73	237.77	312.61	385.24	455.66	523.88	589.88
		$Mz_{mín}$	0.00	-0.05	-0.11	-0.16	-0.21	-0.27	-0.32	-0.37	-0.42
		$Mz_{máx}$	0.00	0.24	0.48	0.72	0.95	1.19	1.43	1.67	1.91

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N74/N75	Aço laminado	$N_{mín}$	-0.038	-0.038	-0.038
		$N_{máx}$	8.391	8.391	8.391
		$Vy_{mín}$	-1.271	-1.271	-1.271
		$Vy_{máx}$	0.283	0.283	0.283
		$Vz_{mín}$	-346.118	-330.699	-315.280
		$Vz_{máx}$	-169.861	-158.000	-146.115
		$Mt_{mín}$	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	297.89	330.68	361.09
		$My_{máx}$	589.88	657.56	722.16
		$Mz_{mín}$	-0.42	-0.48	-0.54
		$Mz_{máx}$	1.91	2.16	2.42

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N75/N76	Aço laminado	$N_{mín}$	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038
		$N_{máx}$	8.391	8.391	8.391	8.391	8.391	8.391	8.391	8.391	8.391
		$Vy_{mín}$	-1.271	-1.271	-1.271	-1.271	-1.271	-1.271	-1.271	-1.271	-1.271
		$Vy_{máx}$	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283
		$Vz_{mín}$	-315.280	-274.453	-233.654	-213.254	-180.522	-152.015	-123.529	-109.285	-80.779
		$Vz_{máx}$	-146.115	-129.691	-113.278	-105.071	-88.647	-72.223	-55.810	-47.603	-19.898
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		$My_{mín}$	361.09	420.22	472.28	495.67	537.20	571.69	599.13	610.21	627.10
		$My_{máx}$	722.16	848.57	957.40	1005.27	1087.94	1153.10	1200.74	1218.01	1239.44
		$Mz_{mín}$	-0.54	-0.66	-0.78	-0.84	-0.96	-1.08	-1.21	-1.27	-1.39
		$Mz_{máx}$	2.42	2.96	3.51	3.78	4.32	4.87	5.41	5.68	6.23

Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N76/N36	Aço laminado	$N_{mín}$	-0.038	-0.038	-0.038	-0.038	-0.038
		$N_{máx}$	8.391	8.391	8.391	8.391	8.391
		$Vy_{mín}$	-1.271	-1.271	-1.271	-1.271	-1.271
		$Vy_{máx}$	0.283	0.283	0.283	0.283	0.283
		$Vz_{mín}$	-80.779	-67.064	-53.349	-39.635	-25.928
		$Vz_{máx}$	-19.898	-8.554	2.790	14.134	25.498
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	627.10	632.72	636.72	639.08	639.81
		$My_{máx}$	1239.44	1244.12	1245.98	1245.00	1241.20
		$Mz_{mín}$	-1.39	-1.45	-1.50	-1.56	-1.62
		$Mz_{máx}$	6.23	6.49	6.75	7.02	7.28

Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N36/N79	Aço laminado	$N_{mín}$	-0.027	-0.027	-0.027	-0.027	-0.027
		$N_{máx}$	8.241	8.241	8.241	8.241	8.241
		$Vy_{mín}$	-0.137	-0.137	-0.137	-0.137	-0.137
		$Vy_{máx}$	1.272	1.272	1.272	1.272	1.272
		$Vz_{mín}$	-25.489	-14.123	-2.779	8.565	19.909
		$Vz_{máx}$	25.928	39.634	53.349	67.064	80.778
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	639.82	639.09	636.73	632.74	627.12
		$My_{máx}$	1241.21	1245.01	1245.98	1244.12	1239.44
		$Mz_{mín}$	-0.78	-0.75	-0.73	-0.70	-0.67
		$Mz_{máx}$	7.28	7.02	6.76	6.50	6.24

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N79/N78	Aço laminado	$N_{mín}$	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027
		$N_{máx}$	8.241	8.241	8.241	8.241	8.241	8.241	8.241	8.241	8.241
		$Vy_{mín}$	-0.137	-0.137	-0.137	-0.137	-0.137	-0.137	-0.137	-0.137	-0.137
		$Vy_{máx}$	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272
		$Vz_{mín}$	19.909	47.606	64.019	72.225	88.650	105.074	121.487	129.693	146.118
		$Vz_{máx}$	80.778	109.285	137.772	152.015	180.521	213.254	254.053	274.453	315.281
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	627.12	610.22	586.30	571.70	537.21	495.67	447.13	420.23	361.10
		$My_{máx}$	1239.44	1218.01	1179.11	1153.11	1087.94	1005.27	905.17	848.57	722.16
		$Mz_{mín}$	-0.67	-0.61	-0.55	-0.52	-0.47	-0.41	-0.35	-0.32	-0.26

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		$Mz_{máx}$	6.24	5.69	5.14	4.87	4.33	3.78	3.24	2.96	2.42

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N78/N77	Aço laminado	$N_{mín}$	-0.027	-0.027	-0.027
		$N_{máx}$	8.241	8.241	8.241
		$Vy_{mín}$	-0.137	-0.137	-0.137
		$Vy_{máx}$	1.272	1.272	1.272
		$Vz_{mín}$	146.118	158.002	169.863
		$Vz_{máx}$	315.281	330.699	346.119
		$Mt_{mín}$	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	361.10	330.68	297.90
		$My_{máx}$	722.16	657.56	589.88
		$Mz_{mín}$	-0.26	-0.23	-0.21
		$Mz_{máx}$	2.42	2.16	1.91

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N77/N24	Aço laminado	$N_{mín}$	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027
		$N_{máx}$	8.241	8.241	8.241	8.241	8.241	8.241	8.241	8.241	8.241
		$Vy_{mín}$	-0.137	-0.137	-0.137	-0.137	-0.137	-0.137	-0.137	-0.137	-0.137
		$Vy_{máx}$	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272	1.272
		$Vz_{mín}$	169.863	177.047	184.230	191.414	198.597	205.781	212.964	220.148	227.331
		$Vz_{máx}$	346.119	357.902	369.685	381.469	393.252	405.035	416.819	428.602	440.385
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	297.90	265.37	231.50	196.29	159.72	121.81	82.56	41.95	0.00
		$My_{máx}$	589.88	523.88	455.66	385.24	312.61	237.77	160.73	81.47	0.00
		$Mz_{mín}$	-0.21	-0.18	-0.15	-0.13	-0.10	-0.08	-0.05	-0.03	0.00
		$Mz_{máx}$	1.91	1.67	1.43	1.19	0.95	0.72	0.48	0.24	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N198/N68	Aço laminado	$N_{mín}$	-24.895	-24.895	-24.895	-24.895	-24.895	-24.895	-24.895	-24.895	-24.895
		$N_{máx}$	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010
		$Vy_{mín}$	-0.227	-0.227	-0.227	-0.227	-0.227	-0.227	-0.227	-0.227	-0.227
		$Vy_{máx}$	1.306	1.306	1.306	1.306	1.306	1.306	1.306	1.306	1.306
		$Vz_{mín}$	-501.721	-489.916	-478.111	-466.306	-454.501	-442.696	-430.891	-419.086	-407.281
		$Vz_{máx}$	-228.410	-221.213	-214.017	-206.820	-199.624	-192.427	-185.231	-178.034	-170.838
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	42.15	82.96	122.41	160.51	197.27	232.67	266.73	299.44
		$My_{máx}$	0.00	92.97	183.72	272.26	358.58	442.70	524.59	604.28	681.75
		$Mz_{mín}$	0.00	-0.24	-0.49	-0.73	-0.98	-1.22	-1.47	-1.71	-1.96
		$Mz_{máx}$	0.00	0.04	0.09	0.13	0.17	0.21	0.26	0.30	0.34

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N68/N69	Aço laminado	$N_{mín}$	-24.895	-24.895	-24.895
		$N_{máx}$	-0.010	-0.010	-0.010
		$Vy_{mín}$	-0.227	-0.227	-0.227
		$Vy_{máx}$	1.306	1.306	1.306
		$Vz_{mín}$	-407.281	-391.834	-376.386
		$Vz_{máx}$	-170.838	-158.955	-147.072
		$Mt_{mín}$	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	299.44	332.41	363.02
		$My_{máx}$	681.75	761.66	838.49
		$Mz_{mín}$	-1.96	-2.22	-2.48
		$Mz_{máx}$	0.34	0.39	0.43

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N69/N70	Aço laminado	$N_{mín}$	-24.895	-24.895	-24.895	-24.895	-24.895	-24.895	-24.895	-24.895	-24.895
		$N_{máx}$	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010
		$Vy_{mín}$	-0.227	-0.227	-0.227	-0.227	-0.227	-0.227	-0.227	-0.227	-0.227
		$Vy_{máx}$	1.306	1.306	1.306	1.306	1.306	1.306	1.306	1.306	1.306
		$Vz_{mín}$	-376.386	-323.185	-270.021	-243.439	-206.429	-177.870	-149.331	-135.061	-106.502
		$Vz_{máx}$	-147.072	-130.618	-114.175	-105.954	-89.500	-73.045	-56.603	-42.765	5.499
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	363.02	422.54	474.98	498.55	540.45	575.29	603.06	614.30	631.52
		$My_{máx}$	838.49	988.44	1115.50	1170.49	1263.45	1333.60	1380.92	1396.04	1409.20
		$Mz_{mín}$	-2.48	-3.04	-3.60	-3.88	-4.44	-5.00	-5.56	-5.84	-6.40
		$Mz_{máx}$	0.43	0.53	0.63	0.67	0.77	0.87	0.97	1.01	1.11

Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N70/N35	Aço laminado	$N_{mín}$	-24.895	-24.895	-24.895	-24.895	-24.895
		$N_{máx}$	-0.010	-0.010	-0.010	-0.010	-0.010
		$Vy_{mín}$	-0.227	-0.227	-0.227	-0.227	-0.227
		$Vy_{máx}$	1.306	1.306	1.306	1.306	1.306
		$Vz_{mín}$	-106.502	-92.762	-79.022	-65.282	-51.542
		$Vz_{máx}$	5.499	16.864	28.229	39.595	50.960
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	631.52	637.28	641.42	643.92	644.79
		$My_{máx}$	1409.20	1408.63	1405.22	1398.98	1389.91
		$Mz_{mín}$	-6.40	-6.67	-6.94	-7.21	-7.48
		$Mz_{máx}$	1.11	1.16	1.21	1.25	1.30

Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N35/N73	Aço laminado	$N_{mín}$	-24.486	-24.486	-24.486	-24.486	-24.486
		$N_{máx}$	-0.006	-0.006	-0.006	-0.006	-0.006

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Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		$Vy_{mín}$	-1.171	-1.171	-1.171	-1.171	-1.171
		$Vy_{máx}$	0.226	0.226	0.226	0.226	0.226
		$Vz_{mín}$	-50.959	-39.594	-28.229	-16.864	-5.499
		$Vz_{máx}$	51.542	65.282	79.022	92.762	106.502
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	644.71	643.85	641.35	637.21	631.45
		$My_{máx}$	1389.91	1398.98	1405.22	1408.63	1409.20
		$Mz_{mín}$	-6.70	-6.46	-6.22	-5.98	-5.74
		$Mz_{máx}$	1.30	1.25	1.20	1.16	1.11

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N73/N72	Aço laminado	$N_{mín}$	-24.486	-24.486	-24.486	-24.486	-24.486	-24.486	-24.486	-24.486	-24.486
		$N_{máx}$	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		$Vy_{mín}$	-1.171	-1.171	-1.171	-1.171	-1.171	-1.171	-1.171	-1.171	-1.171
		$Vy_{máx}$	0.226	0.226	0.226	0.226	0.226	0.226	0.226	0.226	0.226
		$Vz_{mín}$	-5.499	42.766	64.810	73.031	89.485	105.940	122.382	130.604	147.058
		$Vz_{máx}$	106.502	135.061	163.600	177.870	206.429	243.439	296.603	323.185	376.386
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	631.45	614.24	590.00	575.23	540.40	498.51	449.60	422.51	362.99
		$My_{máx}$	1409.20	1396.04	1360.11	1333.61	1263.45	1170.50	1054.82	988.44	838.49
		$Mz_{mín}$	-5.74	-5.24	-4.73	-4.48	-3.98	-3.48	-2.98	-2.73	-2.23
		$Mz_{máx}$	1.11	1.01	0.91	0.87	0.77	0.67	0.58	0.53	0.43

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N72/N71	Aço laminado	$N_{mín}$	-24.486	-24.486	-24.486
		$N_{máx}$	-0.006	-0.006	-0.006
		$Vy_{mín}$	-1.171	-1.171	-1.171
		$Vy_{máx}$	0.226	0.226	0.226
		$Vz_{mín}$	147.058	158.941	170.823
		$Vz_{máx}$	376.386	391.834	407.282
		$Mt_{mín}$	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	362.99	332.39	299.41
		$My_{máx}$	838.49	761.66	681.75
		$Mz_{mín}$	-2.23	-1.99	-1.76
		$Mz_{máx}$	0.43	0.38	0.34

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N71/N26	Aço laminado	$N_{mín}$	-24.486	-24.486	-24.486	-24.486	-24.486	-24.486	-24.486	-24.486	-24.486
		$N_{máx}$	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		$Vy_{mín}$	-1.171	-1.171	-1.171	-1.171	-1.171	-1.171	-1.171	-1.171	-1.171
		$Vy_{máx}$	0.226	0.226	0.226	0.226	0.226	0.226	0.226	0.226	0.226
		$Vz_{mín}$	170.823	178.020	185.217	192.413	199.610	206.806	214.003	221.199	228.396
		$Vz_{máx}$	407.282	419.086	430.891	442.696	454.501	466.306	478.111	489.916	501.721

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	299.41	266.71	232.66	197.25	160.50	122.40	82.95	42.15	0.00
		$My_{máx}$	681.75	604.28	524.59	442.70	358.58	272.26	183.72	92.97	0.00
		$Mz_{mín}$	-1.76	-1.54	-1.32	-1.10	-0.88	-0.66	-0.44	-0.22	0.00
		$Mz_{máx}$	0.34	0.30	0.25	0.21	0.17	0.13	0.08	0.04	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N197/N62	Aço laminado	$N_{mín}$	-37.049	-37.049	-37.049	-37.049	-37.049	-37.049	-37.049	-37.049	-37.049
		$N_{máx}$	0.472	0.472	0.472	0.472	0.472	0.472	0.472	0.472	0.472
		$Vy_{mín}$	0.410	0.410	0.410	0.410	0.410	0.410	0.410	0.410	0.410
		$Vy_{máx}$	2.431	2.431	2.431	2.431	2.431	2.431	2.431	2.431	2.431
		$Vz_{mín}$	-519.875	-508.070	-496.265	-484.460	-472.655	-460.850	-449.045	-437.240	-425.435
		$Vz_{máx}$	-289.008	-281.812	-274.615	-267.419	-260.222	-253.026	-245.829	-238.633	-231.436
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	53.51	105.68	156.50	205.96	254.08	300.85	346.26	390.33
		$My_{máx}$	0.00	96.37	190.53	282.47	372.20	459.72	545.02	628.11	708.98
		$Mz_{mín}$	0.00	-0.46	-0.91	-1.37	-1.82	-2.28	-2.74	-3.19	-3.65
		$Mz_{máx}$	0.00	-0.08	-0.15	-0.23	-0.31	-0.38	-0.46	-0.54	-0.62

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N62/N63	Aço laminado	$N_{mín}$	-37.049	-37.049	-37.049
		$N_{máx}$	0.472	0.472	0.472
		$Vy_{mín}$	0.410	0.410	0.410
		$Vy_{máx}$	2.431	2.431	2.431
		$Vz_{mín}$	-425.435	-409.988	-394.540
		$Vz_{máx}$	-231.436	-219.553	-207.670
		$Mt_{mín}$	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	390.33	435.43	478.15
		$My_{máx}$	708.98	792.53	872.98
		$Mz_{mín}$	-3.65	-4.13	-4.62
		$Mz_{máx}$	-0.62	-0.70	-0.78

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N63/N64	Aço laminado	$N_{mín}$	-37.049	-37.049	-37.049	-37.049	-37.049	-37.049	-37.049	-37.049	-37.049
		$N_{máx}$	0.472	0.472	0.472	0.472	0.472	0.472	0.472	0.472	0.472
		$Vy_{mín}$	0.410	0.410	0.410	0.410	0.410	0.410	0.410	0.410	0.410
		$Vy_{máx}$	2.431	2.431	2.431	2.431	2.431	2.431	2.431	2.431	2.431
		$Vz_{mín}$	-394.540	-337.642	-280.785	-252.356	-203.565	-158.988	-115.598	-95.305	-54.690
		$Vz_{máx}$	-207.670	-178.895	-150.140	-135.763	-106.987	-78.212	-47.533	-29.856	12.611
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	478.15	561.01	631.49	662.11	714.15	753.85	781.19	790.25	799.12
		$My_{máx}$	872.98	1029.92	1162.39	1219.49	1315.48	1387.07	1434.25	1448.71	1459.35
		$Mz_{mín}$	-4.62	-5.66	-6.70	-7.22	-8.27	-9.31	-10.35	-10.87	-11.91
		$Mz_{máx}$	-0.78	-0.96	-1.13	-1.22	-1.39	-1.57	-1.75	-1.83	-2.01

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Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N64/N34	Aço laminado	$N_{mín}$	-37.049	-37.049	-37.049	-37.049	-37.049
		$N_{máx}$	0.472	0.472	0.472	0.472	0.472
		$Vy_{mín}$	0.410	0.410	0.410	0.410	0.410
		$Vy_{máx}$	2.431	2.431	2.431	2.431	2.431
		$Vz_{mín}$	-54.690	-41.078	-27.466	-13.853	-0.243
		$Vz_{máx}$	12.611	24.104	35.597	47.089	58.583
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	799.12	799.60	798.45	795.67	791.26
		$My_{máx}$	1459.35	1457.19	1452.19	1444.36	1433.76
		$Mz_{mín}$	-11.91	-12.42	-12.92	-13.42	-13.92
		$Mz_{máx}$	-2.01	-2.09	-2.18	-2.26	-2.35

Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N34/N67	Aço laminado	$N_{mín}$	-35.594	-35.594	-35.594	-35.594	-35.594
		$N_{máx}$	0.126	0.126	0.126	0.126	0.126
		$Vy_{mín}$	-2.227	-2.227	-2.227	-2.227	-2.227
		$Vy_{máx}$	-0.405	-0.405	-0.405	-0.405	-0.405
		$Vz_{mín}$	0.236	11.601	22.966	34.331	45.696
		$Vz_{máx}$	59.192	72.932	86.672	100.412	114.151
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	791.26	785.11	777.33	767.92	756.87
		$My_{máx}$	1433.76	1430.69	1424.79	1416.06	1404.49
		$Mz_{mín}$	-12.75	-12.29	-11.83	-11.37	-10.91
		$Mz_{máx}$	-2.32	-2.23	-2.15	-2.07	-1.98

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N67/N66	Aço laminado	$N_{mín}$	-35.594	-35.594	-35.594	-35.594	-35.594	-35.594	-35.594	-35.594	-35.594
		$N_{máx}$	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126
		$Vy_{mín}$	-2.227	-2.227	-2.227	-2.227	-2.227	-2.227	-2.227	-2.227	-2.227
		$Vy_{máx}$	-0.405	-0.405	-0.405	-0.405	-0.405	-0.405	-0.405	-0.405	-0.405
		$Vz_{mín}$	45.696	73.964	90.407	98.628	115.083	131.537	147.979	156.201	172.655
		$Vz_{máx}$	114.151	142.710	171.250	185.519	214.078	246.873	287.725	308.151	349.031
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	756.87	728.69	693.48	673.24	627.43	574.57	514.69	482.12	411.63
		$My_{máx}$	1404.49	1368.74	1315.51	1282.33	1202.78	1105.71	991.20	927.38	786.51
		$Mz_{mín}$	-10.91	-9.96	-9.00	-8.53	-7.57	-6.62	-5.66	-5.19	-4.23
		$Mz_{máx}$	-1.98	-1.81	-1.64	-1.55	-1.38	-1.20	-1.03	-0.94	-0.77

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N66/N65	Aço laminado	$N_{mín}$	-35.594	-35.594	-35.594

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		$N_{máx}$	0.126	0.126	0.126
		$Vy_{mín}$	-2.227	-2.227	-2.227
		$Vy_{máx}$	-0.405	-0.405	-0.405
		$Vz_{mín}$	172.655	184.538	196.421
		$Vz_{máx}$	349.031	364.478	379.926
		$Mt_{mín}$	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	411.63	375.91	337.81
		$My_{máx}$	786.51	715.16	640.72
		$Mz_{mín}$	-4.23	-3.79	-3.34
		$Mz_{máx}$	-0.77	-0.69	-0.61

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N65/N28	Aço laminado	$N_{mín}$	-35.594	-35.594	-35.594	-35.594	-35.594	-35.594	-35.594	-35.594	-35.594
		$N_{máx}$	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126
		$Vy_{mín}$	-2.227	-2.227	-2.227	-2.227	-2.227	-2.227	-2.227	-2.227	-2.227
		$Vy_{máx}$	-0.405	-0.405	-0.405	-0.405	-0.405	-0.405	-0.405	-0.405	-0.405
		$Vz_{mín}$	196.421	203.617	210.814	218.010	225.207	232.403	239.600	246.797	253.993
		$Vz_{máx}$	379.926	391.731	403.536	415.341	427.146	438.951	450.756	462.561	474.366
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	337.81	300.31	261.45	221.25	179.70	136.80	92.55	46.95	0.00
		$My_{máx}$	640.72	568.38	493.82	417.05	338.07	256.87	173.46	87.84	0.00
		$Mz_{mín}$	-3.34	-2.92	-2.51	-2.09	-1.67	-1.25	-0.84	-0.42	0.00
		$Mz_{máx}$	-0.61	-0.53	-0.46	-0.38	-0.30	-0.23	-0.15	-0.08	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N199/N56	Aço laminado	$N_{mín}$	-38.257	-38.257	-38.257	-38.257	-38.257	-38.257	-38.257	-38.257	-38.257
		$N_{máx}$	21.600	21.600	21.600	21.600	21.600	21.600	21.600	21.600	21.600
		$Vy_{mín}$	-0.877	-0.877	-0.877	-0.877	-0.877	-0.877	-0.877	-0.877	-0.877
		$Vy_{máx}$	0.890	0.890	0.890	0.890	0.890	0.890	0.890	0.890	0.890
		$Vz_{mín}$	-589.084	-577.279	-565.474	-553.669	-541.864	-530.059	-518.254	-506.449	-494.644
		$Vz_{máx}$	-349.443	-342.246	-335.050	-327.853	-320.657	-313.460	-306.263	-299.067	-291.870
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	64.85	128.34	190.49	251.29	310.74	368.83	425.58	480.98
		$My_{máx}$	0.00	109.35	216.48	321.40	424.11	524.60	622.88	718.94	812.80
		$Mz_{mín}$	0.00	-0.17	-0.33	-0.50	-0.67	-0.83	-1.00	-1.17	-1.34
		$Mz_{máx}$	0.00	0.16	0.33	0.49	0.66	0.82	0.99	1.15	1.31

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N56/N57	Aço laminado	$N_{mín}$	-38.257	-38.257	-38.257
		$N_{máx}$	21.600	21.600	21.600
		$Vy_{mín}$	-0.877	-0.877	-0.877
		$Vy_{máx}$	0.890	0.890	0.890
		$Vz_{mín}$	-494.644	-479.196	-463.749
		$Vz_{máx}$	-291.870	-279.987	-268.103

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		$Mt_{mín}$	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	480.98	538.17	592.98
		$My_{máx}$	812.80	910.18	1004.47
		$Mz_{mín}$	-1.34	-1.51	-1.69
		$Mz_{máx}$	1.31	1.49	1.67

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N57/N58	Aço laminado	$N_{mín}$	-38.257	-38.257	-38.257	-38.257	-38.257	-38.257	-38.257	-38.257	-38.257
		$N_{máx}$	21.600	21.600	21.600	21.600	21.600	21.600	21.600	21.600	21.600
		$Vy_{mín}$	-0.877	-0.877	-0.877	-0.877	-0.877	-0.877	-0.877	-0.877	-0.877
		$Vy_{máx}$	0.890	0.890	0.890	0.890	0.890	0.890	0.890	0.890	0.890
		$Vz_{mín}$	-463.749	-403.155	-342.604	-312.328	-251.735	-191.141	-133.901	-107.451	-54.516
		$Vz_{máx}$	-268.103	-227.007	-185.939	-165.405	-124.309	-83.213	-36.609	-9.698	44.161
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	592.98	699.11	787.56	825.19	887.29	931.77	958.63	965.46	965.91
		$My_{máx}$	1004.47	1190.29	1350.04	1420.18	1541.09	1636.02	1704.93	1729.66	1759.68
		$Mz_{mín}$	-1.69	-2.07	-2.45	-2.65	-3.03	-3.41	-3.79	-3.98	-4.36
		$Mz_{máx}$	1.67	2.04	2.42	2.60	2.98	3.36	3.73	3.92	4.29

Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N58/N32	Aço laminado	$N_{mín}$	-38.257	-38.257	-38.257	-38.257	-38.257
		$N_{máx}$	21.600	21.600	21.600	21.600	21.600
		$Vy_{mín}$	-0.877	-0.877	-0.877	-0.877	-0.877
		$Vy_{máx}$	0.890	0.890	0.890	0.890	0.890
		$Vz_{mín}$	-54.516	-40.903	-27.291	-13.679	-0.077
		$Vz_{máx}$	44.161	52.290	60.419	68.548	76.705
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	965.91	961.08	954.61	946.51	936.78
		$My_{máx}$	1759.68	1766.45	1770.39	1771.50	1769.77
		$Mz_{mín}$	-4.36	-4.55	-4.73	-4.91	-5.10
		$Mz_{máx}$	4.29	4.48	4.66	4.84	5.02

Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N32/N61	Aço laminado	$N_{mín}$	-42.116	-42.116	-42.116	-42.116	-42.116
		$N_{máx}$	11.693	11.693	11.693	11.693	11.693
		$Vy_{mín}$	-0.676	-0.676	-0.676	-0.676	-0.676
		$Vy_{máx}$	0.879	0.879	0.879	0.879	0.879
		$Vz_{mín}$	0.066	11.442	22.807	34.172	45.537
		$Vz_{máx}$	80.219	92.093	103.968	115.842	127.716
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		$My_{mín}$	936.87	925.47	912.45	897.79	881.50
		$My_{máx}$	1769.78	1765.16	1757.72	1747.44	1734.33
		$Mz_{mín}$	-3.87	-3.73	-3.59	-3.45	-3.31
		$Mz_{máx}$	5.03	4.85	4.67	4.49	4.31

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N61/N60	Aço laminado	$N_{mín}$	-42.116	-42.116	-42.116	-42.116	-42.116	-42.116	-42.116	-42.116	-42.116
		$N_{máx}$	11.693	11.693	11.693	11.693	11.693	11.693	11.693	11.693	11.693
		$Vy_{mín}$	-0.676	-0.676	-0.676	-0.676	-0.676	-0.676	-0.676	-0.676	-0.676
		$Vy_{máx}$	0.879	0.879	0.879	0.879	0.879	0.879	0.879	0.879	0.879
		$Vz_{mín}$	45.537	93.802	115.840	124.061	140.515	156.969	173.412	181.633	198.087
		$Vz_{máx}$	127.716	152.397	178.850	203.391	256.592	309.793	362.957	389.539	442.740
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	881.50	842.41	796.31	770.62	713.90	650.14	579.37	541.34	459.95
		$My_{máx}$	1734.33	1692.73	1628.37	1587.65	1489.05	1367.65	1223.55	1142.96	964.56
		$Mz_{mín}$	-3.31	-3.02	-2.73	-2.59	-2.30	-2.01	-1.72	-1.57	-1.28
		$Mz_{máx}$	4.31	3.93	3.55	3.37	2.99	2.61	2.24	2.05	1.67

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N60/N59	Aço laminado	$N_{mín}$	-42.116	-42.116	-42.116
		$N_{máx}$	11.693	11.693	11.693
		$Vy_{mín}$	-0.676	-0.676	-0.676
		$Vy_{máx}$	0.879	0.879	0.879
		$Vz_{mín}$	198.087	209.972	221.855
		$Vz_{máx}$	442.740	458.187	473.635
		$Mt_{mín}$	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	459.95	419.14	375.96
		$My_{máx}$	964.56	874.46	781.28
		$Mz_{mín}$	-1.28	-1.15	-1.01
		$Mz_{máx}$	1.67	1.49	1.32

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N59/N30	Aço laminado	$N_{mín}$	-42.116	-42.116	-42.116	-42.116	-42.116	-42.116	-42.116	-42.116	-42.116
		$N_{máx}$	11.693	11.693	11.693	11.693	11.693	11.693	11.693	11.693	11.693
		$Vy_{mín}$	-0.676	-0.676	-0.676	-0.676	-0.676	-0.676	-0.676	-0.676	-0.676
		$Vy_{máx}$	0.879	0.879	0.879	0.879	0.879	0.879	0.879	0.879	0.879
		$Vz_{mín}$	221.855	229.051	236.248	243.444	250.641	257.837	265.034	272.231	279.427
		$Vz_{máx}$	473.635	485.440	497.245	509.050	520.855	532.660	544.465	556.270	568.075
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	375.96	333.69	290.07	245.10	198.78	151.11	102.09	51.72	0.00
		$My_{máx}$	781.28	691.37	599.24	504.90	408.35	309.58	208.60	105.41	0.00
		$Mz_{mín}$	-1.01	-0.89	-0.76	-0.63	-0.51	-0.38	-0.25	-0.13	0.00
		$Mz_{máx}$	1.32	1.15	0.99	0.82	0.66	0.49	0.33	0.16	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N196/N50	Aço laminado	$N_{mín}$	-8.335	-8.335	-8.335	-8.335	-8.335	-8.335	-8.335	-8.335	-8.335
		$N_{máx}$	14.130	14.130	14.130	14.130	14.130	14.130	14.130	14.130	14.130
		$Vy_{mín}$	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
		$Vy_{máx}$	0.156	0.156	0.156	0.156	0.156	0.156	0.156	0.156	0.156
		$Vz_{mín}$	-300.875	-294.770	-288.665	-282.560	-276.454	-270.349	-264.244	-258.139	-252.034
		$Vz_{máx}$	-179.485	-175.731	-171.977	-168.223	-164.469	-160.714	-156.960	-153.206	-149.452
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	33.30	65.90	97.79	128.98	159.47	189.25	218.33	246.70
		$My_{máx}$	0.00	55.84	110.54	164.09	216.50	267.76	317.88	366.85	414.68
		$Mz_{mín}$	0.00	-0.03	-0.06	-0.09	-0.12	-0.15	-0.18	-0.20	-0.23
		$Mz_{máx}$	0.00	0.00	-0.01	-0.01	-0.02	-0.02	-0.03	-0.03	-0.03

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N50/N51	Aço laminado	$N_{mín}$	-8.335	-8.335	-8.335
		$N_{máx}$	14.130	14.130	14.130
		$Vy_{mín}$	0.023	0.023	0.023
		$Vy_{máx}$	0.156	0.156	0.156
		$Vz_{mín}$	-252.034	-244.094	-236.155
		$Vz_{máx}$	-149.452	-143.345	-137.237
		$Mt_{mín}$	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	246.70	275.98	304.04
		$My_{máx}$	414.68	464.29	512.32
		$Mz_{mín}$	-0.23	-0.27	-0.30
		$Mz_{máx}$	-0.03	-0.04	-0.04

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N51/N52	Aço laminado	$N_{mín}$	-8.335	-8.335	-8.335	-8.335	-8.335	-8.335	-8.335	-8.335	-8.335
		$N_{máx}$	14.130	14.130	14.130	14.130	14.130	14.130	14.130	14.130	14.130
		$Vy_{mín}$	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
		$Vy_{máx}$	0.156	0.156	0.156	0.156	0.156	0.156	0.156	0.156	0.156
		$Vz_{mín}$	-236.155	-205.395	-174.656	-159.287	-128.527	-97.767	-68.313	-54.910	-28.086
		$Vz_{máx}$	-137.237	-116.332	-95.443	-84.998	-64.093	-43.189	-20.142	-6.419	21.045
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	304.04	358.39	403.76	423.08	455.04	478.03	492.06	495.72	496.32
		$My_{máx}$	512.32	606.97	688.37	724.14	785.83	834.34	869.64	882.35	897.90
		$Mz_{mín}$	-0.30	-0.36	-0.43	-0.46	-0.53	-0.60	-0.66	-0.70	-0.76
		$Mz_{máx}$	-0.04	-0.05	-0.06	-0.07	-0.08	-0.09	-0.10	-0.10	-0.11

Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N52/N33	Aço laminado	$N_{mín}$	-8.335	-8.335	-8.335	-8.335	-8.335
		$N_{máx}$	14.130	14.130	14.130	14.130	14.130
		$Vy_{mín}$	0.023	0.023	0.023	0.023	0.023
		$Vy_{máx}$	0.156	0.156	0.156	0.156	0.156
		$Vz_{mín}$	-28.086	-21.109	-14.131	-7.154	-0.176

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Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		$Vz_{máx}$	21.045	25.367	29.688	34.010	38.331
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	496.32	494.03	490.89	486.89	482.04
		$My_{máx}$	897.90	901.48	903.60	904.25	903.44
		$Mz_{mín}$	-0.76	-0.80	-0.83	-0.86	-0.89
		$Mz_{máx}$	-0.11	-0.12	-0.12	-0.13	-0.13

Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N33/N55	Aço laminado	$N_{mín}$	-7.915	-7.915	-7.915	-7.915	-7.915
		$N_{máx}$	13.627	13.627	13.627	13.627	13.627
		$Vy_{mín}$	-0.156	-0.156	-0.156	-0.156	-0.156
		$Vy_{máx}$	-0.036	-0.036	-0.036	-0.036	-0.036
		$Vz_{mín}$	0.165	6.019	11.873	17.727	23.581
		$Vz_{máx}$	38.622	44.816	51.010	57.204	63.399
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	482.15	476.44	469.87	462.45	454.17
		$My_{máx}$	903.44	901.08	897.26	891.97	885.23
		$Mz_{mín}$	-0.89	-0.86	-0.83	-0.80	-0.77
		$Mz_{máx}$	-0.21	-0.20	-0.19	-0.19	-0.18

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N55/N54	Aço laminado	$N_{mín}$	-7.915	-7.915	-7.915	-7.915	-7.915	-7.915	-7.915	-7.915	-7.915
		$N_{máx}$	13.627	13.627	13.627	13.627	13.627	13.627	13.627	13.627	13.627
		$Vy_{mín}$	-0.156	-0.156	-0.156	-0.156	-0.156	-0.156	-0.156	-0.156	-0.156
		$Vy_{máx}$	-0.036	-0.036	-0.036	-0.036	-0.036	-0.036	-0.036	-0.036	-0.036
		$Vz_{mín}$	23.581	48.070	59.336	63.624	72.208	80.791	89.368	93.657	102.240
		$Vz_{máx}$	63.399	76.632	91.364	103.892	130.955	158.019	185.064	198.586	225.650
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	454.17	434.25	410.67	397.50	368.38	335.59	299.14	279.54	237.55
		$My_{máx}$	885.23	863.88	830.96	810.15	759.81	697.87	624.38	583.29	492.36
		$Mz_{mín}$	-0.77	-0.70	-0.63	-0.60	-0.53	-0.46	-0.40	-0.36	-0.30
		$Mz_{máx}$	-0.18	-0.16	-0.15	-0.14	-0.12	-0.11	-0.09	-0.08	-0.07

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N54/N53	Aço laminado	$N_{mín}$	-7.915	-7.915	-7.915
		$N_{máx}$	13.627	13.627	13.627
		$Vy_{mín}$	-0.156	-0.156	-0.156
		$Vy_{máx}$	-0.036	-0.036	-0.036
		$Vz_{mín}$	102.240	108.348	114.456
		$Vz_{máx}$	225.650	233.589	241.529
		$Mt_{mín}$	0.00	0.00	0.00

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	237.55	216.49	194.21
		$My_{máx}$	492.36	446.44	398.92
		$Mz_{mín}$	-0.30	-0.27	-0.23
		$Mz_{máx}$	-0.07	-0.06	-0.05

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N53/N3	Aço laminado	$N_{mín}$	-7.915	-7.915	-7.915	-7.915	-7.915	-7.915	-7.915	-7.915	-7.915
		$N_{máx}$	13.627	13.627	13.627	13.627	13.627	13.627	13.627	13.627	13.627
		$Vy_{mín}$	-0.156	-0.156	-0.156	-0.156	-0.156	-0.156	-0.156	-0.156	-0.156
		$Vy_{máx}$	-0.036	-0.036	-0.036	-0.036	-0.036	-0.036	-0.036	-0.036	-0.036
		$Vz_{mín}$	114.456	118.210	121.964	125.718	129.472	133.226	136.980	140.735	144.489
		$Vz_{máx}$	241.529	247.634	253.739	259.844	265.950	272.055	278.160	284.265	290.370
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	194.21	172.40	149.88	126.66	102.74	78.11	52.78	26.74	0.00
		$My_{máx}$	398.92	353.07	306.06	257.91	208.62	158.18	106.60	53.87	0.00
		$Mz_{mín}$	-0.23	-0.20	-0.18	-0.15	-0.12	-0.09	-0.06	-0.03	0.00
		$Mz_{máx}$	-0.05	-0.05	-0.04	-0.03	-0.03	-0.02	-0.01	-0.01	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N4/N43	Aço laminado	$N_{mín}$	-21.970	-21.970	-21.970	-21.970	-21.970	-21.970	-21.970	-21.970	-21.970
		$N_{máx}$	14.278	14.278	14.278	14.278	14.278	14.278	14.278	14.278	14.278
		$Vy_{mín}$	-0.258	-0.258	-0.258	-0.258	-0.258	-0.258	-0.258	-0.258	-0.258
		$Vy_{máx}$	1.131	1.131	1.131	1.131	1.131	1.131	1.131	1.131	1.131
		$Vz_{mín}$	-26.725	-26.130	-25.534	-24.939	-24.344	-23.749	-23.154	-22.558	-21.963
		$Vz_{máx}$	22.681	23.078	23.475	23.871	24.268	24.665	25.062	25.458	25.855
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		$My_{mín}$	-132.45	-113.53	-95.05	-76.99	-60.04	-43.40	-27.04	-10.96	4.26
		$My_{máx}$	143.77	127.40	110.74	93.86	77.33	60.37	42.98	25.16	6.92
		$Mz_{mín}$	-0.69	-0.51	-0.33	-0.14	-0.08	-0.89	-1.70	-2.51	-3.32
		$Mz_{máx}$	3.16	2.35	1.54	0.73	0.13	0.24	0.41	0.60	0.78

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N43/N8	Aço laminado	$N_{mín}$	-27.529	-27.529	-27.529	-27.529	-27.529	-27.529	-27.529	-27.529	-27.529
		$N_{máx}$	15.464	15.464	15.464	15.464	15.464	15.464	15.464	15.464	15.464
		$Vy_{mín}$	-1.080	-1.080	-1.080	-1.080	-1.080	-1.080	-1.080	-1.080	-1.080
		$Vy_{máx}$	0.366	0.366	0.366	0.366	0.366	0.366	0.366	0.366	0.366
		$Vz_{mín}$	-21.514	-21.117	-20.720	-20.324	-19.927	-19.530	-19.133	-18.736	-18.340
		$Vz_{máx}$	26.274	26.870	27.465	28.060	28.655	29.250	29.845	30.441	31.036
		$Mt_{mín}$	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		$Mt_{máx}$	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		$My_{mín}$	4.26	-14.06	-33.24	-52.70	-72.45	-92.48	-113.56	-135.13	-157.13
		$My_{máx}$	6.92	22.07	36.80	51.09	64.96	78.41	92.10	105.65	118.91
		$Mz_{mín}$	-3.19	-2.41	-1.64	-0.87	-0.10	-0.24	-0.50	-0.76	-1.02
		$Mz_{máx}$	1.07	0.81	0.55	0.30	0.10	0.68	1.45	2.22	3.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N5/N44	Aço laminado	$N_{mín}$	-6.873	-6.873	-6.873	-6.873	-6.873	-6.873	-6.873	-6.873	-6.873
		$N_{máx}$	0.901	0.901	0.901	0.901	0.901	0.901	0.901	0.901	0.901
		$Vy_{mín}$	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		$Vy_{máx}$	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
		$Vz_{mín}$	-1.335	-1.060	-0.785	-0.509	-0.234	0.041	0.316	0.501	0.685
		$Vz_{máx}$	-0.435	-0.251	-0.068	0.116	0.299	0.483	0.667	0.942	1.217
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.25	0.36	0.34	0.19	-0.09	-0.50	-1.04	-1.71
		$My_{máx}$	0.00	0.86	1.52	1.98	2.25	2.31	2.19	1.86	1.34
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01
		$Mz_{máx}$	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N44/N9	Aço laminado	$N_{mín}$	-2.765	-2.765	-2.765	-2.765	-2.765	-2.765	-2.765	-2.765	-2.765
		$N_{máx}$	2.751	2.751	2.751	2.751	2.751	2.751	2.751	2.751	2.751
		$Vy_{mín}$	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		$Vy_{máx}$	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		$Vz_{mín}$	-1.217	-0.942	-0.667	-0.483	-0.299	-0.116	0.068	0.251	0.435
		$Vz_{máx}$	-0.685	-0.501	-0.316	-0.041	0.234	0.509	0.785	1.060	1.335
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	-1.71	-1.04	-0.50	-0.09	0.19	0.34	0.36	0.25	0.00
		$My_{máx}$	1.34	1.86	2.19	2.31	2.25	1.98	1.52	0.86	0.00
		$Mz_{mín}$	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N7/N45	Aço laminado	$N_{mín}$	-11.045	-11.045	-11.045	-11.045	-11.045	-11.045	-11.045	-11.045	-11.045
		$N_{máx}$	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
		$Vy_{mín}$	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		$Vy_{máx}$	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		$Vz_{mín}$	-0.787	-0.512	-0.237	0.038	0.314	0.547	0.730	0.914	1.097
		$Vz_{máx}$	0.025	0.209	0.392	0.576	0.759	1.003	1.278	1.553	1.828
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	-0.08	-0.30	-0.65	-1.12	-1.73	-2.47	-3.34	-4.35
		$My_{máx}$	0.00	0.47	0.73	0.80	0.68	0.36	-0.16	-0.88	-1.79
		$Mz_{mín}$	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.03
		$Mz_{máx}$	0.00	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.05

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N45/N10	Aço laminado	$N_{mín}$	-11.331	-11.331	-11.331	-11.331	-11.331	-11.331	-11.331	-11.331	-11.331
		$N_{máx}$	3.243	3.243	3.243	3.243	3.243	3.243	3.243	3.243	3.243
		$Vy_{mín}$	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		$Vy_{máx}$	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
		$Vz_{mín}$	-1.828	-1.553	-1.278	-1.003	-0.759	-0.576	-0.392	-0.209	-0.025
		$Vz_{máx}$	-1.097	-0.914	-0.730	-0.547	-0.314	-0.038	0.237	0.512	0.787
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		$My_{mín}$	-4.35	-3.34	-2.47	-1.73	-1.12	-0.65	-0.30	-0.08	0.00
		$My_{máx}$	-1.79	-0.88	-0.16	0.36	0.68	0.80	0.73	0.47	0.00
		$Mz_{mín}$	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.00	0.00
		$Mz_{máx}$	0.05	0.04	0.04	0.03	0.02	0.02	0.01	0.01	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N220/N46	Aço laminado	$N_{mín}$	-18.689	-18.689	-18.689	-18.689	-18.689	-18.689	-18.689	-18.689	-18.689
		$N_{máx}$	-1.636	-1.636	-1.636	-1.636	-1.636	-1.636	-1.636	-1.636	-1.636
		$Vy_{mín}$	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
		$Vy_{máx}$	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		$Vz_{mín}$	-2.563	-2.288	-2.013	-1.738	-1.462	-1.187	-0.912	-0.637	-0.361
		$Vz_{máx}$	-1.709	-1.525	-1.342	-1.158	-0.975	-0.791	-0.608	-0.424	-0.241
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	1.16	2.18	3.08	3.84	4.47	4.97	5.34	5.58
		$My_{máx}$	0.00	1.74	3.28	4.62	5.76	6.71	7.46	8.02	8.37
		$Mz_{mín}$	0.00	-0.01	-0.02	-0.03	-0.04	-0.04	-0.05	-0.06	-0.07
		$Mz_{máx}$	0.00	0.00	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02	-0.02

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N46/N12	Aço laminado	$N_{mín}$	-15.478	-15.478	-15.478	-15.478	-15.478	-15.478	-15.478	-15.478	-15.478
		$N_{máx}$	-3.886	-3.886	-3.886	-3.886	-3.886	-3.886	-3.886	-3.886	-3.886
		$Vy_{mín}$	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		$Vy_{máx}$	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
		$Vz_{mín}$	0.241	0.424	0.608	0.791	0.975	1.158	1.342	1.525	1.709
		$Vz_{máx}$	0.361	0.637	0.912	1.187	1.462	1.738	2.013	2.288	2.563
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	5.58	5.34	4.97	4.47	3.84	3.08	2.18	1.16	0.00
		$My_{máx}$	8.37	8.02	7.46	6.71	5.76	4.62	3.28	1.74	0.00
		$Mz_{mín}$	-0.07	-0.06	-0.05	-0.04	-0.04	-0.03	-0.02	-0.01	0.00
		$Mz_{máx}$	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N219/N47	Aço laminado	$N_{mín}$	-25.971	-25.971	-25.971	-25.971	-25.971	-25.971	-25.971	-25.971	-25.971
		$N_{máx}$	-6.979	-6.979	-6.979	-6.979	-6.979	-6.979	-6.979	-6.979	-6.979
		$Vy_{mín}$	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		$Vy_{máx}$	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		$Vz_{mín}$	-2.564	-2.289	-2.014	-1.739	-1.463	-1.188	-0.913	-0.638	-0.362
		$Vz_{máx}$	-1.709	-1.526	-1.342	-1.159	-0.975	-0.792	-0.608	-0.425	-0.241
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	1.16	2.18	3.08	3.84	4.47	4.98	5.35	5.58
		$My_{máx}$	0.00	1.74	3.28	4.62	5.76	6.71	7.46	8.02	8.38
		$Mz_{mín}$	0.00	0.00	-0.01	-0.01	-0.02	-0.02	-0.03	-0.03	-0.04
		$Mz_{máx}$	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.03	0.03

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N47/N14	Aço laminado	$N_{mín}$	-19.869	-19.869	-19.869	-19.869	-19.869	-19.869	-19.869	-19.869	-19.869
		$N_{máx}$	-7.076	-7.076	-7.076	-7.076	-7.076	-7.076	-7.076	-7.076	-7.076
		$Vy_{mín}$	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
		$Vy_{máx}$	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
		$Vz_{mín}$	0.241	0.425	0.608	0.792	0.975	1.159	1.342	1.526	1.709
		$Vz_{máx}$	0.362	0.638	0.913	1.188	1.463	1.739	2.014	2.289	2.564
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	5.58	5.35	4.98	4.47	3.84	3.08	2.18	1.16	0.00
		$My_{máx}$	8.38	8.02	7.46	6.71	5.76	4.62	3.28	1.74	0.00
		$Mz_{mín}$	-0.04	-0.03	-0.03	-0.02	-0.02	-0.01	-0.01	0.00	0.00
		$Mz_{máx}$	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N221/N48	Aço laminado	$N_{mín}$	-25.479	-25.479	-25.479	-25.479	-25.479	-25.479	-25.479	-25.479	-25.479
		$N_{máx}$	-8.218	-8.218	-8.218	-8.218	-8.218	-8.218	-8.218	-8.218	-8.218
		$Vy_{mín}$	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
		$Vy_{máx}$	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		$Vz_{mín}$	-2.565	-2.290	-2.014	-1.739	-1.464	-1.189	-0.913	-0.638	-0.363
		$Vz_{máx}$	-1.710	-1.526	-1.343	-1.159	-0.976	-0.792	-0.609	-0.425	-0.242
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	1.16	2.18	3.08	3.84	4.48	4.98	5.35	5.59
		$My_{máx}$	0.00	1.74	3.28	4.62	5.77	6.72	7.47	8.02	8.38
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01
		$Mz_{máx}$	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N48/N16	Aço laminado	$N_{mín}$	-24.421	-24.421	-24.421	-24.421	-24.421	-24.421	-24.421	-24.421	-24.421
		$N_{máx}$	-8.316	-8.316	-8.316	-8.316	-8.316	-8.316	-8.316	-8.316	-8.316
		$Vy_{mín}$	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		$Vy_{máx}$	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
		$Vz_{mín}$	0.242	0.425	0.609	0.792	0.976	1.159	1.343	1.526	1.710
		$Vz_{máx}$	0.363	0.638	0.913	1.189	1.464	1.739	2.014	2.290	2.565
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	5.59	5.35	4.98	4.48	3.84	3.08	2.18	1.16	0.00
		$My_{máx}$	8.38	8.02	7.47	6.72	5.77	4.62	3.28	1.74	0.00
		$Mz_{mín}$	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.01	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N218/N49	Aço laminado	$N_{mín}$	-29.622	-29.622	-29.622	-29.622	-29.622	-29.622	-29.622	-29.622	-29.622
		$N_{máx}$	16.131	16.131	16.131	16.131	16.131	16.131	16.131	16.131	16.131
		$Vy_{mín}$	-0.944	-0.944	-0.944	-0.944	-0.944	-0.944	-0.944	-0.944	-0.944
		$Vy_{máx}$	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099
		$Vz_{mín}$	-27.470	-26.874	-26.279	-25.684	-25.089	-24.494	-23.898	-23.303	-22.708
		$Vz_{máx}$	24.406	24.803	25.200	25.596	25.993	26.390	26.787	27.184	27.580
		$Mt_{mín}$	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		$Mt_{máx}$	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
		$My_{mín}$	-138.49	-119.04	-100.02	-81.55	-64.06	-46.85	-29.93	-13.30	3.04
		$My_{máx}$	155.71	138.11	120.22	102.14	84.36	66.16	47.53	28.47	8.99
		$Mz_{mín}$	-1.99	-1.31	-0.79	-0.63	-0.62	-0.63	-0.69	-0.76	-0.83
		$Mz_{máx}$	-0.27	-0.34	-0.40	0.12	0.71	1.39	2.06	2.74	3.42

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N49/N18	Aço laminado	$N_{mín}$	-27.790	-27.790	-27.790	-27.790	-27.790	-27.790	-27.790	-27.790	-27.790
		$N_{máx}$	9.276	9.276	9.276	9.276	9.276	9.276	9.276	9.276	9.276
		$Vy_{mín}$	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202
		$Vy_{máx}$	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923
		$Vz_{mín}$	-22.336	-21.939	-21.542	-21.146	-20.749	-20.352	-19.955	-19.558	-19.162
		$Vz_{máx}$	27.963	28.558	29.153	29.748	30.343	30.938	31.534	32.129	32.724
		$Mt_{mín}$	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		$Mt_{máx}$	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		$My_{mín}$	3.04	-13.20	-33.58	-54.25	-75.20	-96.44	-118.74	-141.52	-164.73
		$My_{máx}$	8.99	20.86	36.15	51.02	65.45	79.47	93.85	107.99	121.84
		$Mz_{mín}$	-1.21	-1.06	-0.92	-0.78	-0.71	-0.64	-0.80	-1.34	-2.00
		$Mz_{máx}$	3.29	2.63	1.97	1.31	0.65	0.07	-0.34	-0.19	-0.05

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.375 m	0.563 m	0.938 m	1.313 m	1.689 m	2.064 m	2.251 m	2.627 m
N39/N38	Aço laminado	$N_{mín}$	-16.901	-16.891	-16.886	-16.876	-16.866	-16.857	-16.847	-16.842	-16.832
		$N_{máx}$	0.172	0.187	0.194	0.209	0.224	0.239	0.254	0.261	0.276
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-0.361	-0.258	-0.206	-0.103	0.000	0.069	0.137	0.172	0.240
		$Vz_{máx}$	-0.240	-0.172	-0.137	-0.069	0.000	0.103	0.206	0.258	0.361
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.08	0.11	0.15	0.16	0.15	0.11	0.08	0.00
		$My_{máx}$	0.00	0.12	0.16	0.22	0.24	0.22	0.16	0.12	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.375 m	0.750 m	0.938 m	1.313 m	1.689 m	2.064 m	2.251 m	2.627 m
N40/N39	Aço laminado	$N_{mín}$	-22.515	-22.505	-22.495	-22.491	-22.481	-22.471	-22.461	-22.456	-22.446
		$N_{máx}$	0.172	0.187	0.202	0.209	0.224	0.239	0.254	0.261	0.276
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-0.361	-0.258	-0.155	-0.103	0.000	0.069	0.137	0.172	0.240
		$Vz_{máx}$	-0.240	-0.172	-0.103	-0.069	0.000	0.103	0.206	0.258	0.361
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.08	0.13	0.15	0.16	0.15	0.11	0.08	0.00
		$My_{máx}$	0.00	0.12	0.19	0.22	0.24	0.22	0.16	0.12	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.375 m	0.750 m	0.938 m	1.313 m	1.689 m	2.064 m	2.251 m	2.627 m
N41/N40	Aço laminado	$N_{mín}$	-21.319	-21.309	-21.299	-21.294	-21.284	-21.274	-21.264	-21.259	-21.250
		$N_{máx}$	0.172	0.187	0.202	0.209	0.224	0.239	0.254	0.261	0.276
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-0.361	-0.258	-0.155	-0.103	0.000	0.069	0.137	0.172	0.240
		$Vz_{máx}$	-0.240	-0.172	-0.103	-0.069	0.000	0.103	0.206	0.258	0.361
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.08	0.13	0.15	0.16	0.15	0.11	0.08	0.00
		$My_{máx}$	0.00	0.12	0.19	0.22	0.24	0.22	0.16	0.12	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.375 m	0.750 m	0.938 m	1.313 m	1.689 m	2.064 m	2.251 m	2.627 m
N42/N41	Aço laminado	$N_{mín}$	0.115	0.125	0.135	0.139	0.149	0.159	0.169	0.174	0.184
		$N_{máx}$	0.172	0.187	0.202	0.209	0.224	0.239	0.254	0.261	0.276
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-0.361	-0.258	-0.155	-0.103	0.000	0.069	0.137	0.172	0.240
		$Vz_{máx}$	-0.240	-0.172	-0.103	-0.069	0.000	0.103	0.206	0.258	0.361
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.08	0.13	0.15	0.16	0.15	0.11	0.08	0.00
		$My_{máx}$	0.00	0.12	0.19	0.22	0.24	0.22	0.16	0.12	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.375 m	0.563 m	0.938 m	1.313 m	1.688 m	2.064 m	2.251 m	2.626 m
N43/N186	Aço laminado	$N_{mín}$	-20.106	-20.091	-20.084	-20.069	-20.054	-20.040	-20.025	-20.018	-20.003
		$N_{máx}$	-8.906	-8.896	-8.891	-8.881	-8.872	-8.862	-8.852	-8.847	-8.837
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-0.361	-0.258	-0.206	-0.103	0.000	0.069	0.137	0.172	0.240
		$Vz_{máx}$	-0.240	-0.172	-0.137	-0.069	0.000	0.103	0.206	0.258	0.361
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.08	0.11	0.15	0.16	0.15	0.11	0.08	0.00
		$My_{máx}$	0.00	0.12	0.16	0.22	0.24	0.22	0.16	0.12	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.375 m	0.563 m	0.938 m	1.313 m	1.688 m	2.064 m	2.251 m	2.626 m
N186/N185	Aço laminado	$N_{mín}$	-25.018	-25.004	-24.996	-24.982	-24.967	-24.952	-24.937	-24.930	-24.915
		$N_{máx}$	-14.956	-14.947	-14.942	-14.932	-14.922	-14.912	-14.902	-14.897	-14.888
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-0.361	-0.258	-0.206	-0.103	0.000	0.069	0.137	0.172	0.240
		$Vz_{máx}$	-0.240	-0.172	-0.137	-0.069	0.000	0.103	0.206	0.258	0.361
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.375 m	0.563 m	0.938 m	1.313 m	1.688 m	2.064 m	2.251 m	2.626 m
		$My_{mín}$	0.00	0.08	0.11	0.15	0.16	0.15	0.11	0.08	0.00
		$My_{máx}$	0.00	0.12	0.16	0.22	0.24	0.22	0.16	0.12	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.375 m	0.563 m	0.938 m	1.313 m	1.688 m	2.064 m	2.251 m	2.626 m
N185/N184	Aço laminado	$N_{mín}$	-30.399	-30.384	-30.377	-30.362	-30.347	-30.333	-30.318	-30.310	-30.296
		$N_{máx}$	-18.556	-18.546	-18.541	-18.532	-18.522	-18.512	-18.502	-18.497	-18.487
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-0.361	-0.258	-0.206	-0.103	0.000	0.069	0.137	0.172	0.240
		$Vz_{máx}$	-0.240	-0.172	-0.137	-0.069	0.000	0.103	0.206	0.258	0.361
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.08	0.11	0.15	0.16	0.15	0.11	0.08	0.00
		$My_{máx}$	0.00	0.12	0.16	0.22	0.24	0.22	0.16	0.12	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.375 m	0.750 m	0.938 m	1.313 m	1.688 m	2.064 m	2.251 m	2.626 m
N184/N44	Aço laminado	$N_{mín}$	-35.719	-35.704	-35.689	-35.682	-35.667	-35.652	-35.638	-35.630	-35.616
		$N_{máx}$	-19.356	-19.346	-19.336	-19.331	-19.321	-19.311	-19.302	-19.297	-19.287
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-0.361	-0.258	-0.155	-0.103	0.000	0.069	0.137	0.172	0.240
		$Vz_{máx}$	-0.240	-0.172	-0.103	-0.069	0.000	0.103	0.206	0.258	0.361
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.08	0.13	0.15	0.16	0.15	0.11	0.08	0.00
		$My_{máx}$	0.00	0.12	0.19	0.22	0.24	0.22	0.16	0.12	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.372 m	0.558 m	0.930 m	1.301 m	1.673 m	2.045 m	2.231 m	2.603 m
N44/N45	Aço laminado	$N_{mín}$	-32.721	-32.716	-32.714	-32.709	-32.704	-32.700	-32.695	-32.693	-32.688
		$N_{máx}$	-19.155	-19.152	-19.150	-19.147	-19.144	-19.141	-19.138	-19.136	-19.133
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-0.361	-0.258	-0.206	-0.103	0.000	0.069	0.137	0.172	0.240
		$Vz_{máx}$	-0.240	-0.172	-0.137	-0.069	0.000	0.103	0.206	0.258	0.361
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.08	0.11	0.14	0.16	0.14	0.11	0.08	0.00
		$My_{máx}$	0.00	0.11	0.16	0.22	0.23	0.22	0.16	0.11	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N8/N186	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	17.380	17.380	17.380	17.380	17.380	17.380	17.380	17.380	17.380
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N4/N186	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	23.764	23.764	23.764	23.764	23.764	23.764	23.764	23.764	23.764
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N115/N185	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	5.468	5.468	5.468	5.468	5.468	5.468	5.468	5.468	5.468
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N121/N185	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	10.544	10.544	10.544	10.544	10.544	10.544	10.544	10.544	10.544
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N113/N184	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	0.762	0.762	0.762	0.762	0.762	0.762	0.762	0.762	0.762
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N120/N184	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	5.773	5.773	5.773	5.773	5.773	5.773	5.773	5.773	5.773
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N114/N44	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	3.203	3.203	3.203	3.203	3.203	3.203	3.203	3.203	3.203
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N122/N44	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	10.312	10.312	10.312	10.312	10.312	10.312	10.312	10.312	10.312
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N220/N45	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	14.272	14.272	14.272	14.272	14.272	14.272	14.272	14.272	14.272
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N12/N45	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	17.882	17.882	17.882	17.882	17.882	17.882	17.882	17.882	17.882
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N14/N46	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	12.236	12.236	12.236	12.236	12.236	12.236	12.236	12.236	12.236
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N16/N47	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	13.476	13.476	13.476	13.476	13.476	13.476	13.476	13.476	13.476
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N18/N48	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	22.310	22.310	22.310	22.310	22.310	22.310	22.310	22.310	22.310
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.372 m	0.558 m	0.930 m	1.301 m	1.673 m	2.045 m	2.231 m	2.603 m
N37/N36	Aço laminado	$N_{mín}$	-16.724	-16.721	-16.720	-16.716	-16.713	-16.710	-16.707	-16.705	-16.702
		$N_{máx}$	0.205	0.210	0.212	0.217	0.222	0.227	0.231	0.234	0.239
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-0.361	-0.258	-0.206	-0.103	0.000	0.069	0.137	0.172	0.240
		$Vz_{máx}$	-0.240	-0.172	-0.137	-0.069	0.000	0.103	0.206	0.258	0.361
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.08	0.11	0.14	0.16	0.14	0.11	0.08	0.00
		$My_{máx}$	0.00	0.11	0.16	0.22	0.23	0.22	0.16	0.11	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.372 m	0.558 m	0.930 m	1.301 m	1.673 m	2.045 m	2.231 m	2.603 m
N38/N37	Aço laminado	$N_{mín}$	-16.724	-16.721	-16.720	-16.716	-16.713	-16.710	-16.707	-16.705	-16.702
		$N_{máx}$	0.205	0.210	0.212	0.217	0.222	0.227	0.231	0.234	0.239
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-0.361	-0.258	-0.206	-0.103	0.000	0.069	0.137	0.172	0.240
		$Vz_{máx}$	-0.240	-0.172	-0.137	-0.069	0.000	0.103	0.206	0.258	0.361
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.08	0.11	0.14	0.16	0.14	0.11	0.08	0.00
		$My_{máx}$	0.00	0.11	0.16	0.22	0.23	0.22	0.16	0.11	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N112/N127	Aço laminado	$N_{mín}$	-23.961	-23.961	-23.961	-23.961	-23.961	-23.961	-23.961	-23.961	-23.961
		$N_{máx}$	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-512.916	-500.768	-488.620	-476.472	-464.324	-452.177	-440.029	-427.881	-415.733
		$Vz_{máx}$	-236.182	-228.732	-221.282	-213.831	-206.381	-198.931	-191.480	-184.030	-176.580
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	43.59	85.77	126.57	165.96	203.96	240.56	275.76	309.57
		$My_{máx}$	0.00	95.03	187.79	278.27	366.47	452.39	536.03	617.40	696.49
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N127/N128	Aço laminado	$N_{mín}$	-23.961	-23.961	-23.961
		$N_{máx}$	-0.009	-0.009	-0.009
		$Vy_{mín}$	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000
		$Vz_{mín}$	-415.733	-399.905	-384.076
		$Vz_{máx}$	-176.580	-164.404	-152.228
		$Mt_{mín}$	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	309.57	343.67	375.33
		$My_{máx}$	696.49	778.05	856.45
		$Mz_{mín}$	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N128/N129	Aço laminado	$N_{mín}$	-23.961	-23.961	-23.961	-23.961	-23.961	-23.961	-23.961	-23.961	-23.961
		$N_{máx}$	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-384.076	-329.952	-275.866	-248.823	-210.975	-181.624	-152.294	-137.628	-108.277
		$Vz_{máx}$	-152.228	-135.194	-118.172	-109.660	-92.626	-75.592	-58.570	-44.429	4.584
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	375.33	436.94	491.21	515.61	558.97	595.03	623.77	635.40	653.21
		$My_{máx}$	856.45	1009.50	1139.27	1195.46	1290.53	1362.40	1411.03	1426.66	1440.55
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N129/N39	Aço laminado	$N_{mín}$	-23.961	-23.961	-23.961	-23.961	-23.961
		$N_{máx}$	-0.009	-0.009	-0.009	-0.009	-0.009
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-108.277	-94.156	-80.035	-65.914	-51.793
		$Vz_{máx}$	4.584	16.247	27.909	39.572	51.234
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	653.21	659.18	663.45	666.04	666.93
		$My_{máx}$	1440.55	1440.19	1436.92	1430.73	1421.64
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N39/N130	Aço laminado	$N_{mín}$	-20.774	-20.774	-20.774	-20.774	-20.774
		$N_{máx}$	-0.009	-0.009	-0.009	-0.009	-0.009
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-51.234	-39.572	-27.909	-16.247	-4.584
		$Vz_{máx}$	51.793	65.914	80.035	94.156	108.277
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	666.93	666.04	663.45	659.18	653.21
		$My_{máx}$	1421.64	1430.73	1436.92	1440.19	1440.55
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N130/N132	Aço laminado	$N_{mín}$	-20.774	-20.774	-20.774	-20.774	-20.774	-20.774	-20.774	-20.774	-20.774
		$N_{máx}$	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-4.584	44.429	67.081	75.592	92.626	109.660	126.683	135.194	152.228
		$Vz_{máx}$	108.277	137.628	166.959	181.624	210.975	248.823	302.909	329.952	384.076
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	653.21	635.40	610.31	595.03	558.97	515.61	464.99	436.94	375.33
		$My_{máx}$	1440.55	1426.66	1389.61	1362.40	1290.53	1195.46	1077.28	1009.50	856.45
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N132/N131	Aço laminado	$N_{mín}$	-20.774	-20.774	-20.774
		$N_{máx}$	-0.009	-0.009	-0.009
		$Vy_{mín}$	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000
		$Vz_{mín}$	152.228	164.404	176.580
		$Vz_{máx}$	384.076	399.905	415.733
		$Mt_{mín}$	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	375.33	343.67	309.57
		$My_{máx}$	856.45	778.05	696.49
		$Mz_{mín}$	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00

Envoltórias dos esforços em barras											
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N131/N104	Aço laminado	$N_{mín}$	-20.774	-20.774	-20.774	-20.774	-20.774	-20.774	-20.774	-20.774	-20.774
		$N_{máx}$	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	176.580	184.030	191.480	198.931	206.381	213.831	221.282	228.732	236.182
		$Vz_{máx}$	415.733	427.881	440.029	452.177	464.324	476.472	488.620	500.768	512.916
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	309.57	275.76	240.56	203.96	165.96	126.57	85.77	43.59	0.00
		$My_{máx}$	696.49	617.40	536.03	452.39	366.47	278.27	187.79	95.03	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.219 m	0.438 m	0.657 m	0.876 m	1.094 m	1.313 m
N2/N109	Aço laminado	$N_{mín}$	328.569	328.642	328.715	328.788	328.861	328.933	329.006
		$N_{máx}$	617.351	617.446	617.540	617.635	617.730	617.825	617.919
		$Vy_{mín}$	-28.992	-28.992	-28.992	-28.992	-28.992	-28.992	-28.992
		$Vy_{máx}$	32.752	32.292	31.833	31.373	30.913	30.454	29.994
		$Vz_{mín}$	27.695	28.203	28.711	29.219	29.727	30.235	30.743
		$Vz_{máx}$	55.726	56.387	57.047	57.707	58.368	59.028	59.689
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	-12.27	-24.68	-37.24	-49.95	-62.79	-75.79
		$My_{máx}$	0.00	-6.12	-12.35	-18.69	-25.14	-31.70	-38.37
		$Mz_{mín}$	0.00	-7.12	-14.14	-21.05	-27.87	-34.59	-41.20
		$Mz_{máx}$	0.00	6.35	12.69	19.04	25.38	31.73	38.08

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Envoltórias dos esforços em barras								
Barra	Tipo de combinação	Esforço	Posições na barra					
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N109/N155	Aço laminado	$N_{mín}$	329.006	329.065	329.124	329.183	329.242	329.301	329.360
		$N_{máx}$	617.919	617.996	618.073	618.149	618.226	618.303	618.380
		$Vy_{mín}$	-28.992	-28.992	-28.992	-28.992	-28.992	-28.992	-28.992
		$Vy_{máx}$	29.994	29.992	29.992	29.992	29.992	29.992	29.992
		$Vz_{mín}$	30.743	31.155	31.566	31.977	32.389	32.800	33.211
		$Vz_{máx}$	59.689	60.224	60.758	61.293	61.828	62.363	62.897
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	-75.79	-86.42	-97.13	-107.95	-118.86	-129.86	-140.96
		$My_{máx}$	-38.37	-43.86	-49.41	-55.05	-60.75	-66.53	-72.38
		$Mz_{mín}$	-41.20	-46.52	-51.83	-57.15	-62.46	-67.78	-73.09
		$Mz_{máx}$	38.08	43.21	48.35	53.49	58.63	63.76	68.90

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N155/N105	Aço laminado	$N_{mín}$	427.177	427.219	427.261
		$N_{máx}$	793.203	793.257	793.311
		$Vy_{mín}$	-24.636	-24.636	-24.636
		$Vy_{máx}$	20.416	20.416	20.416
		$Vz_{mín}$	-1746.576	-1746.199	-1745.822
		$Vz_{máx}$	-983.838	-983.547	-983.257
		$Mt_{mín}$	-0.77	-0.77	-0.77
		$Mt_{máx}$	0.04	0.04	0.04
		$My_{mín}$	-792.78	-574.49	-356.23
		$My_{máx}$	-440.17	-316.80	-192.91
		$Mz_{mín}$	-72.56	-75.11	-77.66
		$Mz_{máx}$	68.39	71.47	74.55

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N105/N156	Aço laminado	$N_{mín}$	440.342	440.383	440.425
		$N_{máx}$	847.553	847.607	847.661
		$Vy_{mín}$	-18.670	-18.932	-19.195
		$Vy_{máx}$	23.701	23.701	23.701
		$Vz_{mín}$	-1367.727	-1367.350	-1366.972
		$Vz_{máx}$	-758.409	-758.119	-757.829
		$Mt_{mín}$	-1.13	-1.13	-1.13
		$Mt_{máx}$	1.33	1.33	1.33
		$My_{mín}$	-372.51	-201.56	-30.95
		$My_{máx}$	-202.77	-107.54	0.02
		$Mz_{mín}$	-76.28	-73.93	-71.54
		$Mz_{máx}$	74.38	71.41	68.45

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N156/N108	Aço laminado	$N_{mín}$	659.012	659.071	659.130	659.189	659.248	659.307	659.366

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Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		$N_{máx}$	1241.048	1241.125	1241.201	1241.278	1241.355	1241.432	1241.508
		$Vy_{mín}$	-22.742	-23.114	-23.486	-23.859	-24.231	-24.603	-24.975
		$Vy_{máx}$	23.691	23.691	23.691	23.691	23.691	23.691	23.691
		$Vz_{mín}$	-191.373	-190.838	-190.303	-189.769	-189.234	-188.699	-188.164
		$Vz_{máx}$	-103.723	-103.312	-102.901	-102.489	-102.078	-101.667	-101.255
		$Mt_{mín}$	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		$Mt_{máx}$	0.05	0.05	0.05	0.05	0.05	0.05	0.05
		$My_{mín}$	-334.07	-300.20	-266.44	-233.12	-201.80	-170.60	-139.47
		$My_{máx}$	-182.70	-164.35	-146.09	-127.88	-109.75	-91.68	-73.65
		$Mz_{mín}$	-70.84	-66.82	-62.83	-58.78	-54.65	-50.47	-46.21
		$Mz_{máx}$	68.12	63.92	59.80	55.75	51.70	47.66	43.61

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N108/N158	Aço laminado	$N_{mín}$	659.366	659.425	659.484	659.543	659.602	659.661	659.720
		$N_{máx}$	1241.508	1241.585	1241.662	1241.739	1241.815	1241.892	1241.969
		$Vy_{mín}$	-24.975	-24.976	-24.976	-24.976	-24.976	-24.976	-24.976
		$Vy_{máx}$	23.691	23.691	23.691	23.691	23.691	23.691	23.691
		$Vz_{mín}$	-188.164	-187.629	-187.095	-186.560	-186.025	-185.491	-184.956
		$Vz_{máx}$	-101.255	-100.844	-100.432	-100.021	-99.610	-99.198	-98.787
		$Mt_{mín}$	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		$Mt_{máx}$	0.05	0.05	0.05	0.05	0.05	0.05	0.05
		$My_{mín}$	-139.47	-108.44	-77.52	-46.68	-15.93	10.08	32.63
		$My_{máx}$	-73.65	-55.68	-34.00	-9.80	14.33	42.99	72.25
		$Mz_{mín}$	-46.21	-41.92	-37.64	-33.35	-29.06	-24.78	-20.49
		$Mz_{máx}$	43.61	39.56	35.52	31.47	27.42	23.38	19.33

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N158/N103	Aço laminado	$N_{mín}$	699.619	699.661	699.703
		$N_{máx}$	1313.316	1313.370	1313.424
		$Vy_{mín}$	-28.477	-28.477	-28.477
		$Vy_{máx}$	23.761	23.761	23.761
		$Vz_{mín}$	-1585.347	-1584.970	-1584.593
		$Vz_{máx}$	-875.515	-875.225	-874.935
		$Mt_{mín}$	-0.60	-0.60	-0.60
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	-213.31	-20.59	105.87
		$My_{máx}$	-112.49	16.85	200.95
		$Mz_{mín}$	-20.46	-17.00	-13.54
		$Mz_{máx}$	19.31	16.44	13.58

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N103/N157	Aço laminado	$N_{mín}$	726.371	726.413	726.455
		$N_{máx}$	1377.608	1377.662	1377.717
		$Vy_{mín}$	-7.087	-7.349	-7.612
		$Vy_{máx}$	11.143	11.143	11.143

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		$Vz_{mín}$	-1153.961	-1153.584	-1153.207
		$Vz_{máx}$	-639.761	-639.471	-639.181
		$Mt_{mín}$	-0.01	-0.01	-0.01
		$Mt_{máx}$	0.44	0.44	0.44
		$My_{mín}$	95.72	176.11	256.02
		$My_{máx}$	181.70	323.82	465.90
		$Mz_{mín}$	-12.56	-11.66	-10.73
		$Mz_{máx}$	14.46	13.08	11.70

Envoltórias dos esforços em barras								
Barra	Tipo de combinação	Esforço	Posições na barra					
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N157/N107	Aço laminado	$N_{mín}$	938.664	938.723	938.782	938.841	938.900	938.959	939.018
		$N_{máx}$	1753.411	1753.488	1753.564	1753.641	1753.718	1753.794	1753.871
		$Vy_{mín}$	-11.265	-11.637	-12.009	-12.382	-12.754	-13.126	-13.498
		$Vy_{máx}$	11.197	11.197	11.197	11.197	11.197	11.197	11.197
		$Vz_{mín}$	-50.942	-50.407	-49.872	-49.338	-48.803	-48.268	-47.733
		$Vz_{máx}$	-24.698	-24.287	-23.876	-23.464	-23.053	-22.642	-22.230
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.06	0.06	0.06	0.06	0.06	0.06	0.06
		$My_{mín}$	70.64	75.04	79.37	83.63	87.82	91.93	95.96
		$My_{máx}$	136.69	145.67	154.56	163.35	172.05	180.64	189.15
		$Mz_{mín}$	-10.31	-8.29	-6.22	-4.08	-1.88	0.01	-1.74
		$Mz_{máx}$	11.69	9.74	7.81	5.88	3.95	2.15	4.51

Envoltórias dos esforços em barras								
Barra	Tipo de combinação	Esforço	Posições na barra					
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N107/N159	Aço laminado	$N_{mín}$	939.018	939.077	939.136	939.195	939.254	939.313	939.372
		$N_{máx}$	1753.871	1753.948	1754.025	1754.101	1754.178	1754.255	1754.331
		$Vy_{mín}$	-13.497	-13.497	-13.497	-13.497	-13.497	-13.497	-13.497
		$Vy_{máx}$	11.197	11.197	11.197	11.197	11.197	11.197	11.197
		$Vz_{mín}$	-47.733	-47.198	-46.664	-46.129	-45.594	-45.060	-44.525
		$Vz_{máx}$	-22.230	-21.819	-21.408	-20.996	-20.585	-20.174	-19.762
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.06	0.06	0.06	0.06	0.06	0.06	0.06
		$My_{mín}$	95.96	99.93	103.82	107.62	111.30	114.91	118.45
		$My_{máx}$	189.15	197.57	205.88	214.10	222.23	230.26	238.20
		$Mz_{mín}$	-1.74	-3.72	-5.71	-7.69	-9.68	-11.66	-13.65
		$Mz_{máx}$	4.51	6.90	9.29	11.68	14.07	16.47	18.86

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N159/N104	Aço laminado	$N_{mín}$	972.820	972.862	972.903
		$N_{máx}$	1812.367	1812.421	1812.476
		$Vy_{mín}$	-17.069	-17.069	-17.069
		$Vy_{máx}$	11.269	11.269	11.269
		$Vz_{mín}$	-1176.757	-1176.380	-1176.003
		$Vz_{máx}$	-647.394	-647.104	-646.814
		$Mt_{mín}$	-0.59	-0.59	-0.59

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		$Mt_{máx}$	0.12	0.12	0.12
		$My_{mín}$	-20.57	80.64	162.27
		$My_{máx}$	33.41	178.87	324.64
		$Mz_{mín}$	-13.67	-15.08	-16.49
		$Mz_{máx}$	18.89	21.03	23.16

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N104/N160	Aço laminado	$N_{mín}$	1006.555	1006.597	1006.639
		$N_{máx}$	1885.313	1885.368	1885.422
		$Vy_{mín}$	-9.505	-9.505	-9.505
		$Vy_{máx}$	15.645	15.382	15.120
		$Vz_{mín}$	-789.070	-788.693	-788.316
		$Vz_{máx}$	-412.242	-411.952	-411.662
		$Mt_{mín}$	-0.02	-0.02	-0.02
		$Mt_{máx}$	0.35	0.35	0.35
		$My_{mín}$	152.18	203.69	255.16
		$My_{máx}$	302.79	385.04	467.25
		$Mz_{mín}$	-15.68	-14.49	-13.30
		$Mz_{máx}$	23.34	21.41	19.51

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N160/N106	Aço laminado	$N_{mín}$	1145.032	1145.091	1145.150	1145.209	1145.269	1145.327	1145.387
		$N_{máx}$	2110.202	2110.278	2110.355	2110.432	2110.509	2110.585	2110.662
		$Vy_{mín}$	-9.471	-9.471	-9.471	-9.471	-9.471	-9.471	-9.471
		$Vy_{máx}$	11.443	11.071	10.699	10.327	9.955	9.583	9.209
		$Vz_{mín}$	-32.673	-32.138	-31.604	-31.069	-30.534	-29.999	-29.465
		$Vz_{máx}$	-12.127	-11.716	-11.305	-10.893	-10.482	-10.071	-9.659
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.09	0.09	0.09	0.09	0.09	0.09	0.09
		$My_{mín}$	129.64	131.97	134.23	136.41	138.52	140.56	142.52
		$My_{máx}$	257.70	260.56	263.32	266.00	268.57	271.05	273.44
		$Mz_{mín}$	-13.33	-11.65	-9.98	-8.30	-6.62	-4.94	-3.26
		$Mz_{máx}$	19.88	17.90	15.99	14.14	12.36	10.64	8.99

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N106/N161	Aço laminado	$N_{mín}$	1145.387	1145.446	1145.505	1145.564	1145.623	1145.682	1145.741
		$N_{máx}$	2110.662	2110.739	2110.815	2110.892	2110.969	2111.046	2111.122
		$Vy_{mín}$	-9.471	-9.471	-9.471	-9.471	-9.471	-9.471	-9.471
		$Vy_{máx}$	9.210	8.838	8.466	8.094	7.722	7.350	6.977
		$Vz_{mín}$	-29.465	-28.930	-28.395	-27.860	-27.325	-26.823	-26.411
		$Vz_{máx}$	-9.659	-9.248	-8.837	-8.425	-8.014	-7.575	-7.041
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.09	0.09	0.09	0.09	0.09	0.09	0.09
		$My_{mín}$	142.52	144.41	146.23	147.98	149.65	151.25	152.78
		$My_{máx}$	273.44	275.73	277.92	280.03	282.03	283.95	285.76

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Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		$Mz_{mín}$	-3.26	-1.58	-0.16	-0.16	-0.17	-0.17	-1.25
		$Mz_{máx}$	8.99	7.41	5.89	4.44	5.21	6.84	8.48

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N161/N23	Aço laminado	$N_{mín}$	1163.519	1163.560	1163.602
		$N_{máx}$	2140.357	2140.411	2140.465
		$Vy_{mín}$	-9.546	-9.546	-9.546
		$Vy_{máx}$	3.409	3.146	2.887
		$Vz_{mín}$	-774.892	-774.515	-774.138
		$Vz_{máx}$	-398.394	-398.103	-397.813
		$Mt_{mín}$	-0.02	-0.02	-0.02
		$Mt_{máx}$	0.35	0.35	0.35
		$My_{mín}$	90.87	140.65	190.39
		$My_{máx}$	190.54	271.57	355.72
		$Mz_{mín}$	-1.20	-1.60	-1.97
		$Mz_{máx}$	8.44	9.60	10.77

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.198 m	0.594 m	0.792 m	1.188 m	1.584 m	1.782 m	2.179 m	2.377 m
N1/N175	Aço laminado	$N_{mín}$	338.086	338.152	338.284	338.350	338.482	338.614	338.680	338.812	338.878
		$N_{máx}$	622.327	622.412	622.584	622.669	622.841	623.012	623.098	623.270	623.355
		$Vy_{mín}$	-30.852	-30.436	-29.604	-29.188	-28.356	-28.093	-28.093	-28.093	-28.093
		$Vy_{máx}$	30.906	30.906	30.906	30.906	30.906	30.906	30.906	30.906	30.906
		$Vz_{mín}$	28.527	28.987	29.907	30.366	31.286	32.205	32.665	33.584	34.044
		$Vz_{máx}$	56.755	57.353	58.548	59.146	60.341	61.537	62.134	63.330	63.927
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	-11.30	-34.25	-45.90	-69.57	-93.72	-105.96	-130.81	-143.41
		$My_{máx}$	0.00	-5.69	-17.36	-23.33	-35.54	-48.12	-54.54	-67.66	-74.35
		$Mz_{mín}$	0.00	-6.12	-18.36	-24.48	-36.73	-48.97	-55.09	-67.33	-73.45
		$Mz_{máx}$	0.00	6.07	17.96	23.78	35.18	46.33	51.89	63.02	68.58

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N175/N111	Aço laminado	$N_{mín}$	437.869	437.911	437.952
		$N_{máx}$	800.052	800.106	800.160
		$Vy_{mín}$	-19.617	-19.617	-19.617
		$Vy_{máx}$	25.436	25.436	25.436
		$Vz_{mín}$	-1762.511	-1762.134	-1761.757
		$Vz_{máx}$	-993.698	-993.408	-993.117
		$Mt_{mín}$	-0.05	-0.05	-0.05
		$Mt_{máx}$	0.81	0.81	0.81
		$My_{mín}$	-802.10	-581.81	-361.57
		$My_{máx}$	-446.68	-321.64	-196.51
		$Mz_{mín}$	-72.94	-76.12	-79.30
		$Mz_{máx}$	68.04	70.49	72.95

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N111/N174	Aço laminado	$N_{mín}$	449.640	449.682	449.724
		$N_{máx}$	854.402	854.456	854.510
		$Vy_{mín}$	-25.481	-25.481	-25.481
		$Vy_{máx}$	16.978	17.240	17.503
		$Vz_{mín}$	-1383.662	-1383.284	-1382.907
		$Vz_{máx}$	-768.418	-768.128	-767.838
		$Mt_{mín}$	-1.21	-1.21	-1.21
		$Mt_{máx}$	1.19	1.19	1.19
		$My_{mín}$	-377.84	-204.91	-32.30
		$My_{máx}$	-206.37	-109.89	-1.02
		$Mz_{mín}$	-79.13	-75.95	-72.76
		$Mz_{máx}$	71.65	69.51	67.34

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.213 m	0.638 m	0.851 m	1.063 m	1.276 m	1.701 m	1.914 m	2.127 m
N174/N176	Aço laminado	$N_{mín}$	671.214	671.285	671.427	671.498	671.568	671.639	671.781	671.852	671.923
		$N_{máx}$	1252.637	1252.729	1252.913	1253.005	1253.097	1253.189	1253.373	1253.465	1253.557
		$Vy_{mín}$	-25.497	-25.497	-25.497	-25.497	-25.497	-25.497	-25.497	-25.497	-25.497
		$Vy_{máx}$	21.034	21.481	22.374	22.821	23.267	23.269	23.269	23.269	23.269
		$Vz_{mín}$	-192.989	-192.347	-191.064	-190.422	-189.781	-189.139	-187.856	-187.214	-186.572
		$Vz_{máx}$	-104.879	-104.386	-103.398	-102.905	-102.411	-101.918	-100.930	-100.437	-99.943
		$Mt_{mín}$	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		$Mt_{máx}$	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		$My_{mín}$	-338.92	-297.94	-218.13	-180.29	-142.59	-105.03	-30.31	3.68	31.91
		$My_{máx}$	-185.88	-163.63	-119.44	-97.50	-75.67	-53.94	3.07	35.39	70.85
		$Mz_{mín}$	-72.41	-66.99	-56.43	-51.19	-45.96	-40.72	-30.25	-25.01	-19.78
		$Mz_{máx}$	66.67	62.27	53.27	48.62	43.89	39.10	29.53	24.75	19.96

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N176/N110	Aço laminado	$N_{mín}$	712.369	712.411	712.452
		$N_{máx}$	1325.818	1325.872	1325.926
		$Vy_{mín}$	-25.578	-25.578	-25.578
		$Vy_{máx}$	26.771	26.771	26.771
		$Vz_{mín}$	-1603.345	-1602.967	-1602.590
		$Vz_{máx}$	-886.236	-885.945	-885.655
		$Mt_{mín}$	-0.01	-0.01	-0.01
		$Mt_{máx}$	0.61	0.61	0.61
		$My_{mín}$	-218.09	-23.12	105.78
		$My_{máx}$	-115.20	14.89	200.67
		$Mz_{mín}$	-19.75	-16.67	-13.58
		$Mz_{máx}$	19.92	16.67	13.42

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N110/N177	Aço laminado	$N_{mín}$	737.671	737.713	737.754
		$N_{máx}$	1390.110	1390.164	1390.218
		$Vy_{mín}$	-13.574	-13.574	-13.574

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		$Vy_{máx}$	4.714	4.977	5.239
		$Vz_{mín}$	-1171.932	-1171.555	-1171.178
		$Vz_{máx}$	-650.490	-650.200	-649.910
		$Mt_{mín}$	-0.42	-0.42	-0.42
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	95.66	177.42	258.67
		$My_{máx}$	181.41	325.79	470.12
		$Mz_{mín}$	-14.54	-12.86	-11.18
		$Mz_{máx}$	12.57	11.96	11.33

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.213 m	0.425 m	0.851 m	1.063 m	1.276 m	1.701 m	1.914 m	2.127 m
N177/N178	Aço laminado	$N_{mín}$	953.548	953.619	953.690	953.832	953.902	953.973	954.115	954.186	954.257
		$N_{máx}$	1771.936	1772.028	1772.120	1772.304	1772.396	1772.488	1772.672	1772.764	1772.856
		$Vy_{mín}$	-13.635	-13.635	-13.635	-13.635	-13.635	-13.635	-13.635	-13.635	-13.635
		$Vy_{máx}$	8.897	9.343	9.790	10.683	11.129	11.129	11.129	11.129	11.129
		$Vz_{mín}$	-51.305	-50.663	-50.022	-48.738	-48.097	-47.455	-46.171	-45.530	-44.888
		$Vz_{máx}$	-24.924	-24.430	-23.937	-22.949	-22.456	-21.962	-20.975	-20.481	-19.988
		$Mt_{mín}$	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06
		$Mt_{máx}$	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		$My_{mín}$	70.29	75.62	80.83	90.96	95.86	100.66	109.90	114.31	118.61
		$My_{máx}$	135.92	146.76	157.46	178.47	188.76	198.92	218.83	228.58	238.20
		$Mz_{mín}$	-11.19	-8.33	-5.47	-0.01	-1.39	-3.76	-8.49	-10.85	-13.22
		$Mz_{máx}$	10.91	8.99	7.00	2.74	4.83	7.73	13.53	16.43	19.33

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N178/N112	Aço laminado	$N_{mín}$	988.343	988.385	988.426
		$N_{máx}$	1831.976	1832.030	1832.084
		$Vy_{mín}$	-13.717	-13.717	-13.717
		$Vy_{máx}$	14.698	14.698	14.698
		$Vz_{mín}$	-1195.579	-1195.202	-1194.825
		$Vz_{máx}$	-658.572	-658.282	-657.992
		$Mt_{mín}$	-0.12	-0.12	-0.12
		$Mt_{máx}$	0.64	0.64	0.64
		$My_{mín}$	-24.48	79.87	162.93
		$My_{máx}$	30.41	177.32	325.44
		$Mz_{mín}$	-13.26	-15.09	-16.93
		$Mz_{máx}$	19.36	21.07	22.79

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N112/N179	Aço laminado	$N_{mín}$	1022.101	1022.143	1022.185
		$N_{máx}$	1904.922	1904.976	1905.030
		$Vy_{mín}$	-14.864	-14.601	-14.339
		$Vy_{máx}$	10.243	10.243	10.243
		$Vz_{mín}$	-807.908	-807.531	-807.154
		$Vz_{máx}$	-423.260	-422.970	-422.680

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		$Mt_{mín}$	-0.34	-0.34	-0.34
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	152.82	205.71	258.57
		$My_{máx}$	303.59	388.20	472.77
		$Mz_{mín}$	-17.09	-15.26	-13.46
		$Mz_{máx}$	21.85	20.57	19.29

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.213 m	0.638 m	0.851 m	1.063 m	1.276 m	1.701 m	1.914 m	2.127 m
N179/N180	Aço laminado	$N_{mín}$	1164.303	1164.374	1164.516	1164.587	1164.657	1164.728	1164.870	1164.941	1165.011
		$N_{máx}$	2136.170	2136.262	2136.446	2136.538	2136.630	2136.723	2136.907	2136.999	2137.091
		$Vy_{mín}$	-10.665	-10.218	-9.325	-8.878	-8.432	-7.985	-7.092	-6.645	-6.199
		$Vy_{máx}$	10.199	10.199	10.199	10.199	10.199	10.199	10.199	10.199	10.199
		$Vz_{mín}$	-32.886	-32.245	-30.961	-30.320	-29.678	-29.036	-27.753	-27.111	-26.576
		$Vz_{máx}$	-12.291	-11.797	-10.810	-10.317	-9.823	-9.329	-8.342	-7.848	-7.253
		$Mt_{mín}$	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08
		$Mt_{máx}$	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		$My_{mín}$	129.93	132.74	138.05	140.54	142.93	145.21	149.47	151.44	153.30
		$My_{máx}$	257.93	261.39	267.92	270.97	273.89	276.67	281.83	284.21	286.44
		$Mz_{mín}$	-13.84	-11.64	-7.52	-5.61	-3.79	-2.06	-0.14	-1.89	-4.02
		$Mz_{máx}$	19.31	17.14	12.80	10.63	8.46	6.30	2.88	4.31	5.65

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N180/N19	Aço laminado	$N_{mín}$	1183.422	1183.464	1183.505
		$N_{máx}$	2167.318	2167.372	2167.426
		$Vy_{mín}$	-2.665	-2.403	-2.143
		$Vy_{máx}$	10.237	10.237	10.237
		$Vz_{mín}$	-794.303	-793.926	-793.548
		$Vz_{máx}$	-409.865	-409.574	-409.284
		$Mt_{mín}$	-0.11	-0.11	-0.11
		$Mt_{máx}$	0.03	0.03	0.03
		$My_{mín}$	89.10	140.31	191.49
		$My_{máx}$	187.30	270.75	357.32
		$Mz_{mín}$	-3.97	-5.23	-6.49
		$Mz_{máx}$	5.60	5.90	6.17

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N9/N146	Aço laminado	$N_{mín}$	-2268.192	-2268.178	-2268.164
		$N_{máx}$	-1261.653	-1261.642	-1261.631
		$Vy_{mín}$	-0.189	-0.189	-0.189
		$Vy_{máx}$	4.021	3.864	3.706
		$Vz_{mín}$	-319.287	-318.985	-318.682
		$Vz_{máx}$	-138.887	-138.654	-138.422
		$Mt_{mín}$	-0.68	-0.68	-0.68
		$Mt_{máx}$	0.48	0.48	0.48
		$My_{mín}$	68.54	87.79	107.00

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		$My_{máx}$	137.77	175.37	212.93
		$Mz_{mín}$	-11.71	-12.05	-12.38
		$Mz_{máx}$	16.43	15.94	15.47

Envoltórias dos esforços em barras								
Barra	Tipo de combinação	Esforço	Posições na barra					
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
N146/N99	Aço laminado	$N_{mín}$	-2300.217	-2300.197	-2300.178	-2300.158	-2300.139	-2300.119	-2300.100
		$N_{máx}$	-1277.802	-1277.787	-1277.772	-1277.757	-1277.742	-1277.727	-1277.712
		$Vy_{mín}$	-0.278	-0.499	-0.719	-0.940	-1.161	-1.382	-1.603
		$Vy_{máx}$	2.938	2.938	2.938	2.938	2.938	2.938	2.938
		$Vz_{mín}$	2.495	2.985	3.474	3.813	4.139	4.465	4.792
		$Vz_{máx}$	6.686	7.013	7.339	7.754	8.178	8.602	9.026
		$Mt_{mín}$	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		$Mt_{máx}$	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		$My_{mín}$	94.43	93.82	93.16	92.44	91.66	90.82	89.93
		$My_{máx}$	188.52	187.39	186.19	184.91	183.56	182.13	180.63
		$Mz_{mín}$	-12.41	-12.87	-13.33	-13.79	-14.25	-14.71	-15.17
		$Mz_{máx}$	15.51	15.58	15.68	15.83	16.01	16.23	16.50

Envoltórias dos esforços em barras								
Barra	Tipo de combinação	Esforço	Posições na barra					
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
N99/N145	Aço laminado	$N_{mín}$	-2300.100	-2300.080	-2300.061	-2300.041	-2300.021	-2300.002	-2299.982
		$N_{máx}$	-1277.712	-1277.697	-1277.682	-1277.667	-1277.652	-1277.637	-1277.622
		$Vy_{mín}$	-1.603	-1.823	-2.044	-2.265	-2.486	-2.707	-2.927
		$Vy_{máx}$	2.938	2.938	2.938	2.938	2.938	2.938	2.938
		$Vz_{mín}$	4.792	5.118	5.444	5.770	6.096	6.422	6.748
		$Vz_{máx}$	9.026	9.450	9.874	10.298	10.722	11.146	11.570
		$Mt_{mín}$	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		$Mt_{máx}$	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		$My_{mín}$	89.93	88.98	87.98	86.91	85.79	84.61	83.38
		$My_{máx}$	180.63	179.05	177.40	175.68	173.88	172.01	170.06
		$Mz_{mín}$	-15.17	-15.63	-16.08	-16.54	-17.00	-17.46	-17.92
		$Mz_{máx}$	16.50	16.80	17.13	17.51	17.93	18.38	18.88

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N145/N10	Aço laminado	$N_{mín}$	-2245.355	-2245.341	-2245.327
		$N_{máx}$	-1250.939	-1250.928	-1250.918
		$Vy_{mín}$	-6.820	-6.978	-7.135
		$Vy_{máx}$	2.762	2.762	2.762
		$Vz_{mín}$	138.851	139.083	139.316
		$Vz_{máx}$	317.775	318.077	318.380
		$Mt_{mín}$	-1.19	-1.19	-1.19
		$Mt_{máx}$	1.30	1.30	1.30
		$My_{mín}$	90.67	72.49	54.28
		$My_{máx}$	188.00	150.56	113.08
		$Mz_{mín}$	-17.73	-18.03	-18.34
		$Mz_{máx}$	18.67	19.54	20.42

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N5/N166	Aço laminado	$N_{mín}$	-2302.344	-2302.330	-2302.316
		$N_{máx}$	-1291.707	-1291.696	-1291.686
		$Vy_{mín}$	-3.256	-3.099	-2.941
		$Vy_{máx}$	0.031	0.031	0.031
		$Vz_{mín}$	-338.179	-337.877	-337.574
		$Vz_{máx}$	-153.417	-153.185	-152.952
		$Mt_{mín}$	-0.73	-0.73	-0.73
		$Mt_{máx}$	0.44	0.44	0.44
		$My_{mín}$	68.22	88.92	109.58
		$My_{máx}$	137.46	177.43	217.35
		$Mz_{mín}$	-10.84	-10.44	-10.06
		$Mz_{máx}$	17.42	17.67	17.91

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
N166/N6	Aço laminado	$N_{mín}$	-2337.184	-2337.164	-2337.145	-2337.125	-2337.105	-2337.086	-2337.066
		$N_{máx}$	-1309.566	-1309.551	-1309.536	-1309.521	-1309.506	-1309.491	-1309.476
		$Vy_{mín}$	-1.870	-1.870	-1.870	-1.870	-1.870	-1.870	-1.870
		$Vy_{máx}$	1.259	1.480	1.701	1.922	2.142	2.363	2.584
		$Vz_{mín}$	3.298	3.655	3.981	4.307	4.634	4.960	5.286
		$Vz_{máx}$	7.206	7.613	8.037	8.461	8.885	9.308	9.732
		$Mt_{mín}$	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		$Mt_{máx}$	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		$My_{mín}$	94.90	94.20	93.45	92.64	91.78	90.85	89.87
		$My_{máx}$	189.42	188.16	186.83	185.42	183.94	182.39	180.76
		$Mz_{mín}$	-10.08	-10.29	-10.53	-10.81	-11.13	-11.49	-11.89
		$Mz_{máx}$	17.96	18.29	18.61	18.94	19.27	19.60	19.93

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
N6/N165	Aço laminado	$N_{mín}$	-2337.066	-2337.047	-2337.027	-2337.008	-2336.988	-2336.968	-2336.949
		$N_{máx}$	-1309.476	-1309.461	-1309.446	-1309.431	-1309.416	-1309.401	-1309.386
		$Vy_{mín}$	-1.870	-1.870	-1.870	-1.870	-1.870	-1.870	-1.870
		$Vy_{máx}$	2.584	2.805	3.025	3.246	3.467	3.688	3.909
		$Vz_{mín}$	5.286	5.612	5.938	6.264	6.590	6.916	7.242
		$Vz_{máx}$	9.732	10.156	10.580	11.004	11.428	11.852	12.276
		$Mt_{mín}$	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		$Mt_{máx}$	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		$My_{mín}$	89.87	88.84	87.74	86.59	85.38	84.12	82.79
		$My_{máx}$	180.76	179.05	177.27	175.42	173.49	171.49	169.42
		$Mz_{mín}$	-11.89	-12.32	-12.80	-13.31	-13.86	-14.45	-15.08
		$Mz_{máx}$	19.93	20.25	20.58	20.91	21.24	21.56	21.89

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N165/N7	Aço laminado	$N_{mín}$	-2286.650	-2286.636	-2286.622
		$N_{máx}$	-1285.327	-1285.317	-1285.306

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		$Vy_{mín}$	-1.650	-1.650	-1.650
		$Vy_{máx}$	7.845	8.003	8.160
		$Vz_{mín}$	125.742	125.975	126.208
		$Vz_{máx}$	300.728	301.031	301.333
		$Mt_{mín}$	-1.06	-1.06	-1.06
		$Mt_{máx}$	1.44	1.44	1.44
		$My_{mín}$	87.85	70.94	54.01
		$My_{máx}$	183.76	148.45	113.09
		$Mz_{mín}$	-14.92	-15.88	-16.86
		$Mz_{máx}$	21.65	21.86	22.07

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N111/N139	Aço laminado	$N_{mín}$	-36.595	-36.595	-36.595	-36.595	-36.595	-36.595	-36.595	-36.595	-36.595
		$N_{máx}$	7.809	7.809	7.809	7.809	7.809	7.809	7.809	7.809	7.809
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-503.846	-491.995	-480.144	-468.294	-456.443	-444.592	-432.741	-420.891	-409.040
		$Vz_{máx}$	-229.205	-221.983	-214.762	-207.540	-200.318	-193.096	-185.875	-178.653	-171.431
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	42.30	83.24	122.83	161.07	197.95	233.48	267.66	300.48
		$My_{máx}$	0.00	93.36	184.50	273.41	360.11	444.58	526.83	606.86	684.66
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N139/N140	Aço laminado	$N_{mín}$	-36.595	-36.595	-36.595
		$N_{máx}$	7.809	7.809	7.809
		$Vy_{mín}$	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000
		$Vz_{mín}$	-409.040	-393.528	-378.016
		$Vz_{máx}$	-171.431	-159.499	-147.567
		$Mt_{mín}$	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	300.48	333.57	364.28
		$My_{máx}$	684.66	764.92	842.08
		$Mz_{mín}$	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N140/N141	Aço laminado	$N_{mín}$	-36.595	-36.595	-36.595	-36.595	-36.595	-36.595	-36.595	-36.595	-36.595
		$N_{máx}$	7.809	7.809	7.809	7.809	7.809	7.809	7.809	7.809	7.809
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-378.016	-324.572	-271.164	-244.461	-207.292	-178.620	-149.968	-135.642	-106.970
		$Vz_{máx}$	-147.567	-131.055	-114.555	-106.305	-89.793	-73.281	-56.781	-42.901	5.590
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	364.28	424.00	476.61	500.26	542.30	577.25	605.11	616.39	633.66
		$My_{máx}$	842.08	992.68	1120.28	1175.51	1268.85	1339.28	1386.78	1401.95	1415.12
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N141/N41	Aço laminado	$N_{mín}$	-36.595	-36.595	-36.595	-36.595	-36.595
		$N_{máx}$	7.809	7.809	7.809	7.809	7.809
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-106.970	-93.176	-79.382	-65.587	-51.793
		$Vz_{máx}$	5.590	17.001	28.412	39.823	51.234
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	633.66	639.44	643.59	646.09	646.96
		$My_{máx}$	1415.12	1414.53	1411.09	1404.81	1395.68
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N41/N142	Aço laminado	$N_{mín}$	-39.086	-39.086	-39.086	-39.086	-39.086
		$N_{máx}$	8.134	8.134	8.134	8.134	8.134
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-51.234	-39.823	-28.412	-17.001	-5.590
		$Vz_{máx}$	51.793	65.587	79.382	93.176	106.970
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	646.96	646.09	643.59	639.44	633.66
		$My_{máx}$	1395.68	1404.81	1411.09	1414.53	1415.12
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N142/N144	Aço laminado	$N_{mín}$	-39.086	-39.086	-39.086	-39.086	-39.086	-39.086	-39.086	-39.086	-39.086
		$N_{máx}$	8.134	8.134	8.134	8.134	8.134	8.134	8.134	8.134	8.134
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-5.590	42.901	65.031	73.281	89.793	106.305	122.805	131.055	147.567
		$Vz_{máx}$	106.970	135.642	164.294	178.620	207.292	244.461	297.868	324.572	378.016
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	633.66	616.39	592.06	577.25	542.30	500.26	451.19	424.00	364.28
		$My_{máx}$	1415.12	1401.95	1365.89	1339.28	1268.85	1175.51	1059.34	992.68	842.08
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N144/N143	Aço laminado	$N_{mín}$	-39.086	-39.086	-39.086
		$N_{máx}$	8.134	8.134	8.134
		$Vy_{mín}$	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000
		$Vz_{mín}$	147.567	159.499	171.431
		$Vz_{máx}$	378.016	393.528	409.040
		$Mt_{mín}$	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	364.28	333.57	300.48
		$My_{máx}$	842.08	764.92	684.66
		$Mz_{mín}$	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00

Envoltórias dos esforços em barras											
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N143/N105	Aço laminado	$N_{mín}$	-39.086	-39.086	-39.086	-39.086	-39.086	-39.086	-39.086	-39.086	-39.086
		$N_{máx}$	8.134	8.134	8.134	8.134	8.134	8.134	8.134	8.134	8.134
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	171.431	178.653	185.875	193.096	200.318	207.540	214.762	221.983	229.205
		$Vz_{máx}$	409.040	420.891	432.741	444.592	456.443	468.294	480.144	491.995	503.846
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	300.48	267.66	233.48	197.95	161.07	122.83	83.24	42.30	0.00
		$My_{máx}$	684.66	606.86	526.83	444.58	360.11	273.41	184.50	93.36	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N110/N133	Aço laminado	$N_{mín}$	-31.423	-31.423	-31.423	-31.423	-31.423	-31.423	-31.423	-31.423	-31.423
		$N_{máx}$	0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.138
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-451.976	-439.828	-427.680	-415.532	-403.385	-391.237	-379.089	-366.941	-354.793
		$Vz_{máx}$	-236.182	-228.732	-221.282	-213.831	-206.381	-198.931	-191.480	-184.030	-176.580
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	43.59	85.77	126.57	165.96	203.96	240.56	275.76	309.57
		$My_{máx}$	0.00	83.61	164.94	243.99	320.76	395.26	467.47	537.41	605.08
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N133/N134	Aço laminado	$N_{mín}$	-31.423	-31.423	-31.423
		$N_{máx}$	0.138	0.138	0.138
		$Vy_{mín}$	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000
		$Vz_{mín}$	-354.793	-338.965	-323.136
		$Vz_{máx}$	-176.580	-164.404	-152.228
		$Mt_{mín}$	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	309.57	343.67	375.33
		$My_{máx}$	605.08	674.45	740.66
		$Mz_{mín}$	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N134/N135	Aço laminado	$N_{mín}$	-31.423	-31.423	-31.423	-31.423	-31.423	-31.423	-31.423	-31.423	-31.423
		$N_{máx}$	0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.138
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-323.136	-281.399	-239.690	-218.836	-185.237	-155.886	-126.555	-111.890	-82.538
		$Vz_{máx}$	-152.228	-135.194	-118.172	-109.660	-92.626	-75.592	-58.570	-50.058	-21.154
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	375.33	436.94	491.21	515.61	558.97	595.03	623.77	635.40	653.21
		$My_{máx}$	740.66	870.24	981.86	1030.97	1115.84	1182.82	1231.87	1249.70	1271.96
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N135/N40	Aço laminado	$N_{mín}$	-31.423	-31.423	-31.423	-31.423	-31.423
		$N_{máx}$	0.138	0.138	0.138	0.138	0.138
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-82.538	-68.417	-54.296	-40.175	-26.054
		$Vz_{máx}$	-21.154	-9.492	2.171	13.833	25.496
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	653.21	659.18	663.45	666.04	666.93
		$My_{máx}$	1271.96	1276.91	1278.95	1278.07	1274.29
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
N40/N136	Aço laminado	$N_{mín}$	-29.200	-29.200	-29.200	-29.200	-29.200
		$N_{máx}$	0.364	0.364	0.364	0.364	0.364
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000

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Envoltórias dos esforços em barras							
Barra	Tipo de combinação	Esforço	Posições na barra				
			0.000 m	0.206 m	0.413 m	0.619 m	0.825 m
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-25.496	-13.833	-2.171	9.492	21.154
		$Vz_{máx}$	26.054	40.175	54.296	68.417	82.538
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	666.93	666.04	663.45	659.18	653.21
		$My_{máx}$	1274.29	1278.07	1278.95	1276.91	1271.96
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.429 m	0.857 m	1.071 m	1.500 m	1.929 m	2.357 m	2.571 m	3.000 m
N136/N138	Aço laminado	$N_{mín}$	-29.200	-29.200	-29.200	-29.200	-29.200	-29.200	-29.200	-29.200	-29.200
		$N_{máx}$	0.364	0.364	0.364	0.364	0.364	0.364	0.364	0.364	0.364
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	21.154	50.058	67.081	75.592	92.626	109.660	126.683	135.194	152.228
		$Vz_{máx}$	82.538	111.890	141.220	155.886	185.237	218.836	260.545	281.399	323.136
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	653.21	635.40	610.31	595.03	558.97	515.61	464.99	436.94	375.33
		$My_{máx}$	1271.96	1249.70	1209.58	1182.82	1115.84	1030.97	928.29	870.24	740.66
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.200 m	0.400 m
N138/N137	Aço laminado	$N_{mín}$	-29.200	-29.200	-29.200
		$N_{máx}$	0.364	0.364	0.364
		$Vy_{mín}$	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000
		$Vz_{mín}$	152.228	164.404	176.580
		$Vz_{máx}$	323.136	338.965	354.793
		$Mt_{mín}$	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	375.33	343.67	309.57
		$My_{máx}$	740.66	674.45	605.08
		$Mz_{mín}$	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
N137/N103	Aço laminado	$N_{mín}$	-29.200	-29.200	-29.200	-29.200	-29.200	-29.200	-29.200	-29.200	-29.200
		$N_{máx}$	0.364	0.364	0.364	0.364	0.364	0.364	0.364	0.364	0.364
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	176.580	184.030	191.480	198.931	206.381	213.831	221.282	228.732	236.182
		$Vz_{máx}$	354.793	366.941	379.089	391.237	403.385	415.532	427.680	439.828	451.976
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.188 m	0.375 m	0.563 m	0.750 m	0.938 m	1.125 m	1.313 m	1.500 m
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	309.57	275.76	240.56	203.96	165.96	126.57	85.77	43.59	0.00
		$My_{máx}$	605.08	537.41	467.47	395.26	320.76	243.99	164.94	83.61	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N122/N184	Aço laminado	$N_{mín}$	-5.788	-5.788	-5.788	-5.788	-5.788	-5.788	-5.788	-5.788	-5.788
		$N_{máx}$	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165
		$Vy_{mín}$	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024	-0.024
		$Vy_{máx}$	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
		$Vz_{mín}$	-2.563	-2.288	-2.013	-1.738	-1.462	-1.187	-0.912	-0.637	-0.361
		$Vz_{máx}$	-1.709	-1.525	-1.342	-1.158	-0.975	-0.791	-0.608	-0.424	-0.241
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	1.16	2.18	3.08	3.84	4.47	4.97	5.34	5.58
		$My_{máx}$	0.00	1.74	3.28	4.62	5.76	6.71	7.46	8.02	8.37
		$Mz_{mín}$	0.00	0.01	0.02	0.03	0.03	0.04	0.05	0.06	0.07
		$Mz_{máx}$	0.00	0.02	0.03	0.05	0.07	0.09	0.10	0.12	0.14

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N184/N114	Aço laminado	$N_{mín}$	-11.994	-11.994	-11.994	-11.994	-11.994	-11.994	-11.994	-11.994	-11.994
		$N_{máx}$	3.772	3.772	3.772	3.772	3.772	3.772	3.772	3.772	3.772
		$Vy_{mín}$	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
		$Vy_{máx}$	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024
		$Vz_{mín}$	0.241	0.424	0.608	0.791	0.975	1.158	1.342	1.525	1.709
		$Vz_{máx}$	0.361	0.637	0.912	1.187	1.462	1.738	2.013	2.288	2.563
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	5.58	5.34	4.97	4.47	3.84	3.08	2.18	1.16	0.00
		$My_{máx}$	8.37	8.02	7.46	6.71	5.76	4.62	3.28	1.74	0.00
		$Mz_{mín}$	0.07	0.06	0.05	0.04	0.03	0.03	0.02	0.01	0.00
		$Mz_{máx}$	0.14	0.12	0.10	0.09	0.07	0.05	0.03	0.02	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N120/N185	Aço laminado	$N_{mín}$	-13.441	-13.441	-13.441	-13.441	-13.441	-13.441	-13.441	-13.441	-13.441
		$N_{máx}$	-5.359	-5.359	-5.359	-5.359	-5.359	-5.359	-5.359	-5.359	-5.359
		$Vy_{mín}$	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018	-0.018
		$Vy_{máx}$	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
		$Vz_{mín}$	-2.565	-2.289	-2.014	-1.739	-1.464	-1.188	-0.913	-0.638	-0.363
		$Vz_{máx}$	-1.709	-1.526	-1.342	-1.159	-0.975	-0.792	-0.608	-0.425	-0.241
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	1.16	2.18	3.08	3.84	4.48	4.98	5.35	5.58
		$My_{máx}$	0.00	1.74	3.28	4.62	5.77	6.71	7.47	8.02	8.38
		$Mz_{mín}$	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
		$Mz_{máx}$	0.00	0.01	0.03	0.04	0.05	0.07	0.08	0.09	0.10

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N185/N113	Aço laminado	$N_{mín}$	-17.156	-17.156	-17.156	-17.156	-17.156	-17.156	-17.156	-17.156	-17.156
		$N_{máx}$	-1.036	-1.036	-1.036	-1.036	-1.036	-1.036	-1.036	-1.036	-1.036
		$Vy_{mín}$	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		$Vy_{máx}$	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018
		$Vz_{mín}$	0.241	0.425	0.608	0.792	0.975	1.159	1.342	1.526	1.709
		$Vz_{máx}$	0.363	0.638	0.913	1.188	1.464	1.739	2.014	2.289	2.565
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	5.58	5.35	4.98	4.48	3.84	3.08	2.18	1.16	0.00
		$My_{máx}$	8.38	8.02	7.47	6.71	5.77	4.62	3.28	1.74	0.00
		$Mz_{mín}$	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
		$Mz_{máx}$	0.10	0.09	0.08	0.07	0.05	0.04	0.03	0.01	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N121/N186	Aço laminado	$N_{mín}$	-17.945	-17.945	-17.945	-17.945	-17.945	-17.945	-17.945	-17.945	-17.945
		$N_{máx}$	-8.340	-8.340	-8.340	-8.340	-8.340	-8.340	-8.340	-8.340	-8.340
		$Vy_{mín}$	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014	-0.014
		$Vy_{máx}$	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
		$Vz_{mín}$	-2.566	-2.290	-2.015	-1.740	-1.465	-1.189	-0.914	-0.639	-0.364
		$Vz_{máx}$	-1.710	-1.527	-1.343	-1.160	-0.976	-0.793	-0.609	-0.426	-0.242
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	1.16	2.18	3.08	3.84	4.48	4.98	5.35	5.59
		$My_{máx}$	0.00	1.74	3.28	4.62	5.77	6.72	7.47	8.03	8.39
		$Mz_{mín}$	0.00	0.00	-0.01	-0.01	-0.02	-0.02	-0.02	-0.03	-0.03
		$Mz_{máx}$	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.716 m	1.431 m	2.147 m	2.863 m	3.578 m	4.294 m	5.009 m	5.725 m
N186/N115	Aço laminado	$N_{mín}$	-21.043	-21.043	-21.043	-21.043	-21.043	-21.043	-21.043	-21.043	-21.043
		$N_{máx}$	-5.159	-5.159	-5.159	-5.159	-5.159	-5.159	-5.159	-5.159	-5.159
		$Vy_{mín}$	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
		$Vy_{máx}$	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
		$Vz_{mín}$	0.242	0.426	0.609	0.793	0.976	1.160	1.343	1.527	1.710
		$Vz_{máx}$	0.364	0.639	0.914	1.189	1.465	1.740	2.015	2.290	2.566
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	5.59	5.35	4.98	4.48	3.84	3.08	2.18	1.16	0.00
		$My_{máx}$	8.39	8.03	7.47	6.72	5.77	4.62	3.28	1.74	0.00
		$Mz_{mín}$	-0.03	-0.03	-0.02	-0.02	-0.02	-0.01	-0.01	0.00	0.00
		$Mz_{máx}$	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.01	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
N28/N35	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	20.466	20.466	20.466	20.466	20.466	20.466	20.466	20.466	20.466
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
N197/N35	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	23.406	23.406	23.406	23.406	23.406	23.406	23.406	23.406	23.406
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
N32/N197	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	54.624	54.624	54.624	54.624	54.624	54.624	54.624	54.624	54.624
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
N32/N28	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	69.230	69.230	69.230	69.230	69.230	69.230	69.230	69.230	69.230
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
N30/N34	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	36.460	36.460	36.460	36.460	36.460	36.460	36.460	36.460	36.460
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
N199/N34	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	48.323	48.323	48.323	48.323	48.323	48.323	48.323	48.323	48.323
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
N34/N198	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	44.537	44.537	44.537	44.537	44.537	44.537	44.537	44.537	44.537
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
N34/N26	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	47.227	47.227	47.227	47.227	47.227	47.227	47.227	47.227	47.227
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.147 m	3.933 m	4.720 m	5.506 m	6.293 m
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N41/N103	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	50.627	50.627	50.627	50.627	50.627	50.627	50.627	50.627	50.627
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N103/N39	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	18.264	18.264	18.264	18.264	18.264	18.264	18.264	18.264	18.264
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N40/N104	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	47.566	47.566	47.566	47.566	47.566	47.566	47.566	47.566	47.566
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N105/N40	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	47.926	47.926	47.926	47.926	47.926	47.926	47.926	47.926	47.926
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N41/N110	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	48.151	48.151	48.151	48.151	48.151	48.151	48.151	48.151	48.151
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N110/N39	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	21.389	21.389	21.389	21.389	21.389	21.389	21.389	21.389	21.389
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N40/N112	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	43.836	43.836	43.836	43.836	43.836	43.836	43.836	43.836	43.836
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N111/N40	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	50.879	50.879	50.879	50.879	50.879	50.879	50.879	50.879	50.879
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N43/N115	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	45.997	45.997	45.997	45.997	45.997	45.997	45.997	45.997	45.997
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N43/N121	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	41.185	41.185	41.185	41.185	41.185	41.185	41.185	41.185	41.185
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N186/N113	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	31.286	31.286	31.286	31.286	31.286	31.286	31.286	31.286	31.286
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N186/N120	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	26.874	26.874	26.874	26.874	26.874	26.874	26.874	26.874	26.874
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N185/N114	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	19.542	19.542	19.542	19.542	19.542	19.542	19.542	19.542	19.542
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N185/N122	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	14.516	14.516	14.516	14.516	14.516	14.516	14.516	14.516	14.516
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N184/N9	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	16.909	16.909	16.909	16.909	16.909	16.909	16.909	16.909	16.909
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.575 m	2.362 m	3.149 m	3.937 m	4.724 m	5.511 m	6.299 m
N184/N5	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	9.725	9.725	9.725	9.725	9.725	9.725	9.725	9.725	9.725
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N46/N10	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	21.037	21.037	21.037	21.037	21.037	21.037	21.037	21.037	21.037
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N46/N7	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	24.297	24.297	24.297	24.297	24.297	24.297	24.297	24.297	24.297
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N47/N12	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	21.912	21.912	21.912	21.912	21.912	21.912	21.912	21.912	21.912
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N48/N14	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	34.030	34.030	34.030	34.030	34.030	34.030	34.030	34.030	34.030
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N49/N16	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	48.275	48.275	48.275	48.275	48.275	48.275	48.275	48.275	48.275
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.786 m	1.572 m	2.358 m	3.144 m	3.931 m	4.717 m	5.503 m	6.289 m
N9/N45	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140	0.140
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.786 m	1.572 m	2.358 m	3.144 m	3.931 m	4.717 m	5.503 m	6.289 m
N5/N45	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	5.989	5.989	5.989	5.989	5.989	5.989	5.989	5.989	5.989
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.786 m	1.572 m	2.358 m	3.144 m	3.931 m	4.717 m	5.503 m	6.289 m
N44/N10	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	0.992	0.992	0.992	0.992	0.992	0.992	0.992	0.992	0.992
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra								
			0.000 m	0.786 m	1.572 m	2.358 m	3.144 m	3.931 m	4.717 m	5.503 m	6.289 m
N44/N7	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N121/N172	Aço laminado	$N_{mín}$	-1483.992	-1483.950	-1483.907
		$N_{máx}$	-835.008	-834.975	-834.942
		$Vy_{mín}$	-5.330	-5.173	-5.015
		$Vy_{máx}$	-0.395	-0.395	-0.395
		$Vz_{mín}$	-1468.762	-1468.462	-1468.163
		$Vz_{máx}$	-814.432	-814.202	-813.971
		$Mt_{mín}$	-0.23	-0.23	-0.23
		$Mt_{máx}$	0.12	0.12	0.12
		$My_{mín}$	-129.14	33.25	135.28
		$My_{máx}$	-68.27	71.19	244.62
		$Mz_{mín}$	-9.09	-8.76	-8.42
		$Mz_{máx}$	3.07	3.69	4.29

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N172/N124	Aço laminado	$N_{mín}$	-1555.503	-1555.442	-1555.381	-1555.320	-1555.260	-1555.199	-1555.138
		$N_{máx}$	-875.171	-875.124	-875.077	-875.030	-874.984	-874.937	-874.890
		$Vy_{mín}$	-2.605	-2.605	-2.605	-2.605	-2.605	-2.605	-2.605
		$Vy_{máx}$	-0.395	-0.395	-0.308	-0.085	0.139	0.362	0.585
		$Vz_{mín}$	-42.578	-42.154	-41.729	-41.304	-40.879	-40.454	-40.029
		$Vz_{máx}$	-21.677	-21.350	-21.024	-20.697	-20.370	-20.043	-19.716
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		$My_{mín}$	-7.19	-1.61	3.66	8.85	13.98	19.05	24.06
		$My_{máx}$	21.46	26.92	32.57	38.16	43.68	49.12	54.49
		$Mz_{mín}$	-8.44	-7.98	-7.51	-7.05	-6.59	-6.13	-5.67
		$Mz_{máx}$	4.32	4.45	4.54	4.60	4.61	4.59	4.52

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N124/N171	Aço laminado	$N_{mín}$	-1555.138	-1555.077	-1555.017	-1554.956	-1554.895	-1554.834	-1554.773
		$N_{máx}$	-874.890	-874.843	-874.797	-874.750	-874.703	-874.656	-874.610
		$Vy_{mín}$	-2.605	-2.605	-2.605	-2.605	-2.605	-2.605	-2.605
		$Vy_{máx}$	0.585	0.809	1.032	1.255	1.478	1.702	1.925

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Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		$Vz_{mín}$	-40.029	-39.604	-39.180	-38.755	-38.330	-37.905	-37.480
		$Vz_{máx}$	-19.716	-19.390	-19.063	-18.736	-18.409	-18.082	-17.756
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		$My_{mín}$	24.06	27.57	31.00	34.38	37.69	40.94	44.14
		$My_{máx}$	54.49	59.78	64.99	71.19	78.02	84.77	91.45
		$Mz_{mín}$	-5.67	-5.21	-4.74	-4.28	-3.82	-3.36	-2.90
		$Mz_{máx}$	4.52	4.42	4.29	4.13	3.94	3.70	3.43

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N171/N120	Aço laminado	$N_{mín}$	-1934.710	-1934.667	-1934.624
		$N_{máx}$	-1091.921	-1091.888	-1091.855
		$Vy_{mín}$	-2.549	-2.549	-2.549
		$Vy_{máx}$	6.043	6.200	6.358
		$Vz_{mín}$	-1150.210	-1149.910	-1149.611
		$Vz_{máx}$	-635.770	-635.539	-635.309
		$Mt_{mín}$	-0.06	-0.06	-0.06
		$Mt_{máx}$	0.11	0.11	0.11
		$My_{mín}$	-151.09	-8.56	82.43
		$My_{máx}$	-76.46	18.83	159.70
		$Mz_{mín}$	-2.95	-2.63	-2.31
		$Mz_{máx}$	3.45	2.72	1.97

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N120/N170	Aço laminado	$N_{mín}$	-1929.609	-1929.566	-1929.523
		$N_{máx}$	-1082.133	-1082.100	-1082.067
		$Vy_{mín}$	-5.269	-5.111	-4.954
		$Vy_{máx}$	0.137	0.137	0.137
		$Vz_{mín}$	-1147.409	-1147.109	-1146.809
		$Vz_{máx}$	-633.615	-633.384	-633.154
		$Mt_{mín}$	-0.06	-0.06	-0.06
		$Mt_{máx}$	0.11	0.11	0.11
		$My_{mín}$	82.43	161.61	240.77
		$My_{máx}$	159.70	300.78	441.83
		$Mz_{mín}$	-2.31	-2.30	-2.30
		$Mz_{máx}$	1.97	2.57	3.15

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N170/N125	Aço laminado	$N_{mín}$	-1987.862	-1987.801	-1987.740	-1987.680	-1987.619	-1987.558	-1987.497
		$N_{máx}$	-1116.030	-1115.984	-1115.937	-1115.890	-1115.843	-1115.797	-1115.750
		$Vy_{mín}$	-1.025	-0.801	-0.578	-0.355	-0.131	-0.008	-0.008
		$Vy_{máx}$	0.139	0.139	0.139	0.139	0.250	0.473	0.696
		$Vz_{mín}$	11.972	12.299	12.625	12.952	13.279	13.606	13.933
		$Vz_{máx}$	22.550	22.975	23.399	23.824	24.249	24.674	25.099

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Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		$My_{mín}$	126.11	123.92	121.66	119.35	116.99	114.56	112.08
		$My_{máx}$	240.94	237.13	233.25	229.29	225.25	221.14	216.96
		$Mz_{mín}$	-2.32	-2.33	-2.33	-2.33	-2.34	-2.34	-2.34
		$Mz_{máx}$	3.18	3.28	3.33	3.35	3.32	3.26	3.19

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N125/N169	Aço laminado	$N_{mín}$	-1987.497	-1987.436	-1987.376	-1987.315	-1987.254	-1987.193	-1987.133
		$N_{máx}$	-1115.750	-1115.703	-1115.656	-1115.610	-1115.563	-1115.516	-1115.469
		$Vy_{mín}$	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
		$Vy_{máx}$	0.696	0.920	1.143	1.366	1.590	1.813	2.036
		$Vz_{mín}$	13.933	14.259	14.586	14.913	15.240	15.567	15.893
		$Vz_{máx}$	25.099	25.524	25.948	26.373	26.798	27.223	27.648
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		$My_{mín}$	112.08	109.54	106.94	104.28	101.56	98.79	95.96
		$My_{máx}$	216.96	212.70	208.36	203.95	199.47	194.91	190.27
		$Mz_{mín}$	-2.34	-2.36	-2.38	-2.39	-2.41	-2.43	-2.44
		$Mz_{máx}$	3.19	3.11	2.99	2.83	2.63	2.39	2.12

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N169/N122	Aço laminado	$N_{mín}$	-2229.549	-2229.506	-2229.463
		$N_{máx}$	-1259.495	-1259.462	-1259.429
		$Vy_{mín}$	0.037	0.037	0.037
		$Vy_{máx}$	6.135	6.293	6.450
		$Vz_{mín}$	-739.582	-739.282	-738.982
		$Vz_{máx}$	-386.082	-385.851	-385.621
		$Mt_{mín}$	-0.13	-0.13	-0.13
		$Mt_{máx}$	0.22	0.22	0.22
		$My_{mín}$	7.68	64.66	112.87
		$My_{máx}$	57.93	135.72	213.70
		$Mz_{mín}$	-2.54	-2.56	-2.57
		$Mz_{máx}$	2.16	1.43	0.68

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N122/N168	Aço laminado	$N_{mín}$	-2226.547	-2226.504	-2226.461
		$N_{máx}$	-1254.008	-1253.975	-1253.942
		$Vy_{mín}$	-7.666	-7.666	-7.666
		$Vy_{máx}$	-0.065	-0.065	-0.065
		$Vz_{mín}$	-736.781	-736.481	-736.181
		$Vz_{máx}$	-383.927	-383.697	-383.466
		$Mt_{mín}$	-0.13	-0.13	-0.13
		$Mt_{máx}$	0.22	0.22	0.22

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		$My_{mín}$	112.87	160.85	208.80
		$My_{máx}$	213.70	292.64	384.68
		$Mz_{mín}$	-2.57	-1.64	-0.71
		$Mz_{máx}$	0.68	0.86	1.02

Envoltórias dos esforços em barras								
Barra	Tipo de combinação	Esforço	Posições na barra					
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N168/N126	Aço laminado	$N_{mín}$	-2260.554	-2260.494	-2260.433	-2260.372	-2260.311	-2260.251	-2260.190
		$N_{máx}$	-1271.979	-1271.932	-1271.886	-1271.839	-1271.792	-1271.745	-1271.699
		$Vy_{mín}$	-7.705	-7.705	-7.705	-7.705	-7.705	-7.705	-7.705
		$Vy_{máx}$	3.113	3.337	3.560	3.783	4.006	4.230	4.453
		$Vz_{mín}$	24.336	24.663	24.990	25.317	25.643	25.970	26.297
		$Vz_{máx}$	45.578	46.003	46.427	46.852	47.277	47.702	48.127
		$Mt_{mín}$	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		$Mt_{máx}$	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		$My_{mín}$	145.27	140.87	136.41	131.90	127.32	122.69	118.00
		$My_{máx}$	268.40	260.28	252.09	243.83	235.48	227.07	218.58
		$Mz_{mín}$	-0.76	-0.22	-0.37	-0.99	-1.64	-2.33	-3.07
		$Mz_{máx}$	1.06	0.80	2.15	3.49	4.86	6.22	7.59

Envoltórias dos esforços em barras								
Barra	Tipo de combinação	Esforço	Posições na barra					
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N126/N167	Aço laminado	$N_{mín}$	-2260.190	-2260.129	-2260.068	-2260.008	-2259.947	-2259.886	-2259.825
		$N_{máx}$	-1271.699	-1271.652	-1271.605	-1271.558	-1271.512	-1271.465	-1271.418
		$Vy_{mín}$	-7.705	-7.705	-7.705	-7.705	-7.705	-7.705	-7.705
		$Vy_{máx}$	4.453	4.676	4.899	5.123	5.346	5.569	5.793
		$Vz_{mín}$	26.297	26.624	26.950	27.277	27.604	27.931	28.258
		$Vz_{máx}$	48.127	48.552	48.976	49.401	49.826	50.251	50.676
		$Mt_{mín}$	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		$Mt_{máx}$	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		$My_{mín}$	118.00	113.25	108.45	103.58	98.66	93.68	88.64
		$My_{máx}$	218.58	210.89	203.16	195.34	187.45	179.49	171.45
		$Mz_{mín}$	-3.07	-3.86	-4.71	-5.60	-6.53	-7.50	-8.50
		$Mz_{máx}$	7.59	8.95	10.32	11.69	13.05	14.42	15.78

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N167/N5	Aço laminado	$N_{mín}$	-2322.741	-2322.698	-2322.655
		$N_{máx}$	-1302.712	-1302.679	-1302.646
		$Vy_{mín}$	-7.651	-7.651	-7.651
		$Vy_{máx}$	9.827	9.984	10.142
		$Vz_{mín}$	-123.761	-123.461	-123.162
		$Vz_{máx}$	24.991	25.221	25.452
		$Mt_{mín}$	-0.60	-0.60	-0.60
		$Mt_{máx}$	0.95	0.95	0.95
		$My_{mín}$	58.32	63.29	68.22
		$My_{máx}$	127.04	125.48	137.46
		$Mz_{mín}$	-8.33	-9.57	-10.83

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		$Mz_{máx}$	15.50	16.45	17.41

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N115/N152	Aço laminado	$N_{mín}$	-1469.192	-1469.150	-1469.107
		$N_{máx}$	-825.570	-825.537	-825.504
		$Vy_{mín}$	0.403	0.403	0.403
		$Vy_{máx}$	5.185	5.028	4.870
		$Vz_{mín}$	-1452.157	-1451.858	-1451.558
		$Vz_{máx}$	-804.785	-804.554	-804.324
		$Mt_{mín}$	-0.18	-0.18	-0.18
		$Mt_{máx}$	0.17	0.17	0.17
		$My_{mín}$	-126.35	33.56	134.30
		$My_{máx}$	-66.84	71.90	243.26
		$Mz_{mín}$	-3.20	-3.82	-4.43
		$Mz_{máx}$	8.25	7.96	7.67

Envoltórias dos esforços em barras								
Barra	Tipo de combinação	Esforço	Posições na barra					
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N152/N117	Aço laminado	$N_{mín}$	-1539.783	-1539.722	-1539.662	-1539.601	-1539.540	-1539.479	-1539.419
		$N_{máx}$	-865.179	-865.133	-865.086	-865.039	-864.992	-864.946	-864.899
		$Vy_{mín}$	0.403	0.403	0.322	0.099	-0.124	-0.348	-0.571
		$Vy_{máx}$	2.247	2.247	2.247	2.247	2.247	2.247	2.247
		$Vz_{mín}$	-42.354	-41.929	-41.505	-41.080	-40.655	-40.230	-39.805
		$Vz_{máx}$	-21.580	-21.253	-20.927	-20.600	-20.273	-19.946	-19.619
		$Mt_{mín}$	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		$Mt_{máx}$	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		$My_{mín}$	-5.66	-0.38	4.83	9.99	15.09	20.12	24.79
		$My_{máx}$	22.76	28.47	34.09	39.65	45.12	50.52	55.85
		$Mz_{mín}$	-4.45	-4.56	-4.64	-4.68	-4.67	-4.63	-4.55
		$Mz_{máx}$	7.69	7.29	6.92	6.56	6.20	5.86	5.54

Envoltórias dos esforços em barras								
Barra	Tipo de combinação	Esforço	Posições na barra					
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N117/N151	Aço laminado	$N_{mín}$	-1539.419	-1539.358	-1539.297	-1539.236	-1539.175	-1539.115	-1539.054
		$N_{máx}$	-864.899	-864.852	-864.805	-864.759	-864.712	-864.665	-864.618
		$Vy_{mín}$	-0.571	-0.794	-1.017	-1.241	-1.464	-1.687	-1.911
		$Vy_{máx}$	2.247	2.247	2.247	2.247	2.247	2.247	2.247
		$Vz_{mín}$	-39.805	-39.380	-38.956	-38.531	-38.106	-37.681	-37.256
		$Vz_{máx}$	-19.619	-19.293	-18.966	-18.639	-18.312	-17.985	-17.659
		$Mt_{mín}$	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		$Mt_{máx}$	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		$My_{mín}$	24.79	28.26	31.67	35.03	38.33	41.57	44.75
		$My_{máx}$	55.85	61.10	66.28	72.43	79.22	85.93	92.57
		$Mz_{mín}$	-4.55	-4.43	-4.27	-4.07	-3.83	-3.55	-3.23
		$Mz_{máx}$	5.54	5.21	4.89	4.56	4.23	3.91	3.58

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N151/N113	Aço laminado	$N_{mín}$	-1912.975	-1912.932	-1912.889
		$N_{máx}$	-1078.027	-1077.994	-1077.961
		$Vy_{mín}$	-6.032	-6.190	-6.347
		$Vy_{máx}$	2.203	2.203	2.203
		$Vz_{mín}$	-1132.372	-1132.072	-1131.773
		$Vz_{máx}$	-625.168	-624.937	-624.707
		$Mt_{mín}$	-0.13	-0.13	-0.13
		$Mt_{máx}$	0.05	0.05	0.05
		$My_{mín}$	-146.73	-6.44	82.27
		$My_{máx}$	-73.96	20.47	159.60
		$Mz_{mín}$	-3.24	-2.47	-1.69
		$Mz_{máx}$	3.65	3.42	3.20

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N113/N150	Aço laminado	$N_{mín}$	-1907.953	-1907.910	-1907.867
		$N_{máx}$	-1066.646	-1066.613	-1066.580
		$Vy_{mín}$	-0.073	-0.073	-0.073
		$Vy_{máx}$	5.031	4.874	4.716
		$Vz_{mín}$	-1129.571	-1129.271	-1128.971
		$Vz_{máx}$	-623.013	-622.782	-622.552
		$Mt_{mín}$	-0.13	-0.13	-0.13
		$Mt_{máx}$	0.05	0.05	0.05
		$My_{mín}$	82.27	160.13	237.97
		$My_{máx}$	159.60	298.45	437.26
		$Mz_{mín}$	-1.69	-2.31	-2.90
		$Mz_{máx}$	3.20	3.10	3.01

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N150/N118	Aço laminado	$N_{mín}$	-1965.115	-1965.054	-1964.993	-1964.932	-1964.872	-1964.811	-1964.750
		$N_{máx}$	-1099.897	-1099.850	-1099.804	-1099.757	-1099.710	-1099.663	-1099.617
		$Vy_{mín}$	-0.077	-0.077	-0.077	-0.077	-0.127	-0.350	-0.573
		$Vy_{máx}$	0.790	0.695	0.695	0.695	0.695	0.695	0.695
		$Vz_{mín}$	11.621	11.948	12.274	12.601	12.928	13.255	13.582
		$Vz_{máx}$	21.925	22.350	22.775	23.200	23.625	24.049	24.474
		$Mt_{mín}$	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		$Mt_{máx}$	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		$My_{mín}$	125.41	123.28	121.09	118.85	116.54	114.18	111.75
		$My_{máx}$	239.95	236.25	232.48	228.63	224.71	220.71	216.63
		$Mz_{mín}$	-2.93	-3.04	-3.12	-3.16	-3.16	-3.11	-3.03
		$Mz_{máx}$	3.04	2.92	2.79	2.67	2.55	2.42	2.32

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N118/N149	Aço laminado	$N_{mín}$	-1964.750	-1964.689	-1964.628	-1964.568	-1964.507	-1964.446	-1964.385
		$N_{máx}$	-1099.617	-1099.570	-1099.523	-1099.476	-1099.430	-1099.383	-1099.336

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Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		$Vy_{mín}$	-0.573	-0.796	-1.020	-1.243	-1.466	-1.689	-1.913
		$Vy_{máx}$	0.695	0.695	0.695	0.695	0.695	0.695	0.695
		$Vz_{mín}$	13.582	13.909	14.235	14.562	14.889	15.216	15.542
		$Vz_{máx}$	24.474	24.899	25.324	25.749	26.174	26.599	27.023
		$Mt_{mín}$	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		$Mt_{máx}$	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		$My_{mín}$	111.75	109.28	106.74	104.14	101.49	98.78	96.01
		$My_{máx}$	216.63	212.48	208.26	203.96	199.58	195.14	190.61
		$Mz_{mín}$	-3.03	-2.91	-2.75	-2.55	-2.31	-2.03	-1.72
		$Mz_{máx}$	2.32	2.32	2.31	2.31	2.31	2.30	2.30

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N149/N114	Aço laminado	$N_{mín}$	-2200.475	-2200.433	-2200.390
		$N_{máx}$	-1239.639	-1239.606	-1239.573
		$Vy_{mín}$	-6.003	-6.161	-6.318
		$Vy_{máx}$	0.664	0.664	0.664
		$Vz_{mín}$	-721.579	-721.279	-720.979
		$Vz_{máx}$	-375.523	-375.293	-375.062
		$Mt_{mín}$	-0.21	-0.21	-0.21
		$Mt_{máx}$	0.14	0.14	0.14
		$My_{mín}$	10.74	65.35	112.25
		$My_{máx}$	61.41	137.17	212.89
		$Mz_{mín}$	-1.77	-1.01	-0.32
		$Mz_{máx}$	2.39	2.39	2.39

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N114/N148	Aço laminado	$N_{mín}$	-2197.555	-2197.512	-2197.469
		$N_{máx}$	-1232.294	-1232.262	-1232.229
		$Vy_{mín}$	-0.885	-1.043	-1.200
		$Vy_{máx}$	5.355	5.355	5.355
		$Vz_{mín}$	-718.778	-718.478	-718.178
		$Vz_{máx}$	-373.369	-373.138	-372.908
		$Mt_{mín}$	-0.21	-0.21	-0.21
		$Mt_{máx}$	0.14	0.14	0.14
		$My_{mín}$	112.25	158.91	205.53
		$My_{máx}$	212.89	289.59	379.38
		$Mz_{mín}$	-0.32	-0.31	-0.30
		$Mz_{máx}$	2.39	1.76	1.13

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N148/N119	Aço laminado	$N_{mín}$	-2230.470	-2230.409	-2230.348	-2230.288	-2230.227	-2230.166	-2230.105
		$N_{máx}$	-1249.626	-1249.580	-1249.533	-1249.486	-1249.439	-1249.393	-1249.346
		$Vy_{mín}$	-5.103	-5.327	-5.550	-5.773	-5.996	-6.220	-6.443
		$Vy_{máx}$	5.431	5.431	5.431	5.431	5.431	5.431	5.431

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Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
		$Vz_{mín}$	23.548	23.875	24.202	24.529	24.856	25.182	25.509
		$Vz_{máx}$	44.382	44.807	45.232	45.657	46.082	46.506	46.931
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.05	0.05	0.05	0.05	0.05	0.05	0.05
		$My_{mín}$	144.10	139.85	135.53	131.16	126.72	122.23	117.69
		$My_{máx}$	266.68	258.78	250.81	242.75	234.62	226.42	218.14
		$Mz_{mín}$	-0.30	-0.41	-1.25	-2.15	-3.05	-3.95	-4.84
		$Mz_{máx}$	1.17	0.92	1.88	2.88	3.93	5.01	6.13

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N119/N147	Aço laminado	$N_{mín}$	-2230.105	-2230.045	-2229.984	-2229.923	-2229.862	-2229.801	-2229.741
		$N_{máx}$	-1249.346	-1249.299	-1249.252	-1249.206	-1249.159	-1249.112	-1249.065
		$Vy_{mín}$	-6.443	-6.666	-6.890	-7.113	-7.336	-7.559	-7.783
		$Vy_{máx}$	5.431	5.431	5.431	5.431	5.431	5.431	5.431
		$Vz_{mín}$	25.509	25.836	26.163	26.490	26.816	27.143	27.470
		$Vz_{máx}$	46.931	47.356	47.781	48.206	48.631	49.056	49.480
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.05	0.05	0.05	0.05	0.05	0.05	0.05
		$My_{mín}$	117.69	113.08	108.42	103.70	98.92	94.08	89.18
		$My_{máx}$	218.14	210.67	203.15	195.54	187.87	180.12	172.29
		$Mz_{mín}$	-4.84	-5.74	-6.69	-7.65	-8.61	-9.58	-10.54
		$Mz_{máx}$	6.13	7.29	8.49	9.74	11.02	12.33	13.69

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N147/N9	Aço laminado	$N_{mín}$	-2286.863	-2286.820	-2286.777
		$N_{máx}$	-1277.022	-1276.989	-1276.956
		$Vy_{mín}$	-11.745	-11.903	-12.060
		$Vy_{máx}$	5.450	5.450	5.450
		$Vz_{mín}$	-108.231	-107.932	-107.632
		$Vz_{máx}$	36.934	37.164	37.395
		$Mt_{mín}$	-0.64	-0.64	-0.64
		$Mt_{máx}$	0.89	0.89	0.89
		$My_{mín}$	60.84	64.70	68.54
		$My_{máx}$	131.22	127.72	137.77
		$Mz_{mín}$	-10.34	-11.02	-11.70
		$Mz_{máx}$	13.44	14.92	16.42

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N8/N154	Aço laminado	$N_{mín}$	-913.804	-913.711	-913.618
		$N_{máx}$	-519.154	-519.082	-519.011
		$Vy_{mín}$	-10.075	-10.233	-10.390
		$Vy_{máx}$	10.542	10.542	10.542
		$Vz_{mín}$	-2131.911	-2131.261	-2130.610
		$Vz_{máx}$	-1205.562	-1205.062	-1204.562
		$Mt_{mín}$	-38.47	-38.47	-38.47

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		$Mt_{máx}$	27.97	27.97	27.97
		$My_{mín}$	-942.62	-676.17	-409.81
		$My_{máx}$	-531.05	-380.39	-229.79
		$Mz_{mín}$	-28.92	-27.66	-26.38
		$Mz_{máx}$	24.36	23.04	21.73

Envoltórias dos esforços em barras								
Barra	Tipo de combinação	Esforço	Posições na barra					
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N154/N116	Aço laminado	$N_{mín}$	-1086.195	-1086.063	-1085.931	-1085.799	-1085.668	-1085.536	-1085.404
		$N_{máx}$	-615.247	-615.145	-615.044	-614.943	-614.841	-614.740	-614.638
		$Vy_{mín}$	-8.351	-8.575	-8.798	-9.021	-9.244	-9.468	-9.691
		$Vy_{máx}$	6.235	6.235	6.235	6.235	6.235	6.235	6.235
		$Vz_{mín}$	-300.141	-299.219	-298.297	-297.375	-296.453	-295.531	-294.609
		$Vz_{máx}$	-169.625	-168.915	-168.207	-167.497	-166.788	-166.079	-165.370
		$Mt_{mín}$	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18
		$Mt_{máx}$	0.80	0.80	0.80	0.80	0.80	0.80	0.80
		$My_{mín}$	-912.18	-859.07	-806.15	-753.36	-700.73	-648.30	-596.00
		$My_{máx}$	-509.88	-479.88	-450.02	-420.27	-390.65	-361.17	-331.79
		$Mz_{mín}$	-27.14	-25.65	-24.14	-22.58	-20.99	-19.35	-17.68
		$Mz_{máx}$	22.44	21.34	20.23	19.13	18.02	16.92	15.81

Envoltórias dos esforços em barras								
Barra	Tipo de combinação	Esforço	Posições na barra					
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N116/N153	Aço laminado	$N_{mín}$	-1085.404	-1085.272	-1085.140	-1085.008	-1084.876	-1084.745	-1084.613
		$N_{máx}$	-614.638	-614.537	-614.435	-614.334	-614.233	-614.131	-614.030
		$Vy_{mín}$	-9.691	-9.914	-10.137	-10.361	-10.584	-10.807	-11.031
		$Vy_{máx}$	6.235	6.235	6.235	6.235	6.235	6.235	6.235
		$Vz_{mín}$	-294.609	-293.687	-292.765	-291.843	-290.921	-290.000	-289.077
		$Vz_{máx}$	-165.370	-164.660	-163.951	-163.242	-162.533	-161.824	-161.114
		$Mt_{mín}$	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18
		$Mt_{máx}$	0.80	0.80	0.80	0.80	0.80	0.80	0.80
		$My_{mín}$	-596.00	-543.87	-491.93	-440.12	-388.47	-337.02	-287.28
		$My_{máx}$	-331.79	-302.55	-273.44	-244.45	-215.58	-186.85	-158.23
		$Mz_{mín}$	-17.68	-15.96	-14.21	-12.42	-10.61	-8.76	-6.87
		$Mz_{máx}$	15.81	14.71	13.60	12.53	11.45	10.38	9.35

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N153/N115	Aço laminado	$N_{mín}$	-1476.187	-1476.094	-1476.001
		$N_{máx}$	-831.759	-831.687	-831.615
		$Vy_{mín}$	-15.263	-15.421	-15.578
		$Vy_{máx}$	6.263	6.263	6.263
		$Vz_{mín}$	-1455.660	-1455.010	-1454.359
		$Vz_{máx}$	-807.479	-806.979	-806.478
		$Mt_{mín}$	-0.18	-0.18	-0.18
		$Mt_{máx}$	0.17	0.17	0.17
		$My_{mín}$	-483.45	-303.62	-126.35
		$My_{máx}$	-268.58	-167.68	-66.84

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		$Mz_{mín}$	-6.99	-5.11	-3.20
		$Mz_{máx}$	9.67	8.96	8.25

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N4/N187	Aço laminado	$N_{mín}$	-922.097	-922.003	-921.910
		$N_{máx}$	-525.508	-525.437	-525.365
		$Vy_{mín}$	-12.425	-12.425	-12.425
		$Vy_{máx}$	7.549	7.706	7.864
		$Vz_{mín}$	-2151.159	-2150.508	-2149.858
		$Vz_{máx}$	-1217.061	-1216.560	-1216.060
		$Mt_{mín}$	-35.16	-35.16	-35.16
		$Mt_{máx}$	31.31	31.31	31.31
		$My_{mín}$	-951.50	-682.65	-413.87
		$My_{máx}$	-534.49	-382.39	-230.35
		$Mz_{mín}$	-27.44	-25.89	-24.34
		$Mz_{máx}$	24.94	23.98	23.01

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N187/N123	Aço laminado	$N_{mín}$	-1096.368	-1096.236	-1096.104	-1095.972	-1095.840	-1095.708	-1095.576
		$N_{máx}$	-623.011	-622.910	-622.808	-622.707	-622.605	-622.504	-622.402
		$Vy_{mín}$	-6.976	-6.976	-6.976	-6.976	-6.976	-6.976	-6.976
		$Vy_{máx}$	6.915	7.139	7.362	7.585	7.809	8.032	8.255
		$Vz_{mín}$	-302.425	-301.503	-300.581	-299.659	-298.737	-297.816	-296.893
		$Vz_{máx}$	-170.432	-169.723	-169.014	-168.304	-167.595	-166.886	-166.177
		$Mt_{mín}$	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08
		$Mt_{máx}$	0.08	0.08	0.08	0.08	0.08	0.08	0.08
		$My_{mín}$	-921.74	-868.22	-814.89	-761.70	-708.67	-655.83	-603.13
		$My_{máx}$	-514.12	-483.97	-453.97	-424.08	-394.31	-364.69	-335.17
		$Mz_{mín}$	-25.09	-23.85	-22.62	-21.38	-20.14	-18.91	-17.67
		$Mz_{máx}$	23.76	22.52	21.24	19.93	18.59	17.21	15.79

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.177 m	0.354 m	0.532 m	0.709 m	0.886 m	1.063 m
N123/N173	Aço laminado	$N_{mín}$	-1095.576	-1095.444	-1095.313	-1095.181	-1095.049	-1094.917	-1094.785
		$N_{máx}$	-622.402	-622.301	-622.200	-622.098	-621.997	-621.895	-621.794
		$Vy_{mín}$	-6.976	-6.976	-6.976	-6.976	-6.976	-6.976	-6.976
		$Vy_{máx}$	8.255	8.478	8.702	8.925	9.148	9.372	9.595
		$Vz_{mín}$	-296.893	-295.971	-295.050	-294.127	-293.205	-292.284	-291.362
		$Vz_{máx}$	-166.177	-165.467	-164.759	-164.049	-163.340	-162.631	-161.922
		$Mt_{mín}$	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08
		$Mt_{máx}$	0.08	0.08	0.08	0.08	0.08	0.08	0.08
		$My_{mín}$	-603.13	-550.59	-498.25	-446.03	-393.98	-342.13	-291.98
		$My_{máx}$	-335.17	-305.78	-276.53	-247.39	-218.38	-189.51	-160.75
		$Mz_{mín}$	-17.67	-16.43	-15.20	-13.96	-12.73	-11.50	-10.33
		$Mz_{máx}$	15.79	14.33	12.83	11.29	9.71	8.09	6.45

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N173/N121	Aço laminado	$N_{mín}$	-1491.094	-1491.001	-1490.908
		$N_{máx}$	-841.993	-841.922	-841.850
		$Vy_{mín}$	-6.977	-6.977	-6.977
		$Vy_{máx}$	13.844	14.001	14.159
		$Vz_{mín}$	-1472.265	-1471.614	-1470.964
		$Vz_{máx}$	-817.126	-816.626	-816.126
		$Mt_{mín}$	-0.23	-0.23	-0.23
		$Mt_{máx}$	0.12	0.12	0.12
		$My_{mín}$	-490.40	-308.49	-129.14
		$My_{máx}$	-272.43	-170.32	-68.27
		$Mz_{mín}$	-10.72	-9.90	-9.09
		$Mz_{máx}$	6.51	4.80	3.07

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
N33/N188	Aço laminado	$N_{mín}$	0.053	0.057	0.061	0.065	0.069	0.073	0.077
		$N_{máx}$	0.264	0.269	0.275	0.280	0.285	0.290	0.295
		$Vy_{mín}$	-0.504	-0.504	-0.504	-0.504	-0.504	-0.504	-0.504
		$Vy_{máx}$	0.434	0.434	0.434	0.434	0.434	0.434	0.434
		$Vz_{mín}$	-0.497	-0.444	-0.392	-0.340	-0.288	-0.242	-0.201
		$Vz_{máx}$	-0.100	-0.060	-0.020	0.020	0.060	0.120	0.180
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.02	0.03	0.03	0.02	0.00	-0.03
		$My_{máx}$	0.00	0.10	0.19	0.27	0.34	0.40	0.44
		$Mz_{mín}$	0.00	-0.09	-0.19	-0.28	-0.38	-0.47	-0.57
		$Mz_{máx}$	0.00	0.11	0.22	0.33	0.44	0.55	0.66

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
N188/N32	Aço laminado	$N_{mín}$	0.077	0.081	0.085	0.089	0.093	0.097	0.101
		$N_{máx}$	0.295	0.300	0.306	0.311	0.316	0.321	0.326
		$Vy_{mín}$	-0.504	-0.504	-0.504	-0.504	-0.504	-0.504	-0.504
		$Vy_{máx}$	0.434	0.434	0.434	0.434	0.434	0.434	0.434
		$Vz_{mín}$	-0.201	-0.161	-0.121	-0.081	-0.041	-0.001	0.039
		$Vz_{máx}$	0.180	0.240	0.300	0.360	0.420	0.480	0.541
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	-0.03	-0.06	-0.11	-0.18	-0.26	-0.36	-0.47
		$My_{máx}$	0.44	0.48	0.50	0.51	0.53	0.53	0.53
		$Mz_{mín}$	-0.57	-0.66	-0.76	-0.85	-0.94	-1.04	-1.13
		$Mz_{máx}$	0.66	0.77	0.88	0.99	1.10	1.21	1.32

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Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
N3/N31	Aço laminado	$N_{mín}$	368.588	368.638	368.689	368.739	368.790	368.840	368.890
		$N_{máx}$	658.738	658.803	658.869	658.935	659.000	659.066	659.131
		$Vy_{mín}$	-35.817	-35.360	-34.903	-34.446	-33.988	-33.531	-33.074
		$Vy_{máx}$	24.221	24.221	24.221	24.221	24.221	24.221	24.221
		$Vz_{mín}$	26.241	27.003	27.682	28.190	28.698	29.206	29.714
		$Vz_{máx}$	55.911	56.419	56.978	57.638	58.299	58.959	59.620
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	-12.23	-24.57	-37.02	-49.63	-62.39	-75.30
		$My_{máx}$	0.00	-5.80	-11.76	-17.89	-24.11	-30.41	-36.83
		$Mz_{mín}$	0.00	-5.27	-10.55	-15.82	-21.10	-26.37	-31.64
		$Mz_{máx}$	0.00	7.75	15.40	22.95	30.40	37.75	45.00

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N31/N213	Aço laminado	$N_{mín}$	368.890	368.931	368.972	369.013	369.053	369.094	369.135
		$N_{máx}$	659.131	659.184	659.237	659.290	659.343	659.396	659.449
		$Vy_{mín}$	-33.074	-32.704	-32.335	-31.965	-31.595	-31.225	-30.856
		$Vy_{máx}$	24.221	24.221	24.221	24.221	24.221	24.221	24.221
		$Vz_{mín}$	29.714	30.125	30.536	30.946	31.357	31.768	32.179
		$Vz_{máx}$	59.620	60.154	60.688	61.222	61.756	62.290	62.824
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	-75.30	-85.84	-96.48	-107.21	-118.04	-128.96	-139.97
		$My_{máx}$	-36.83	-42.10	-47.43	-52.85	-58.33	-63.89	-69.52
		$Mz_{mín}$	-31.64	-35.91	-40.17	-44.43	-48.70	-52.96	-57.23
		$Mz_{máx}$	45.00	50.79	56.51	62.18	67.77	73.30	78.77

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N213/N30	Aço laminado	$N_{mín}$	502.519	502.547	502.576
		$N_{máx}$	897.828	897.866	897.903
		$Vy_{mín}$	-21.454	-21.192	-20.929
		$Vy_{máx}$	19.897	19.897	19.897
		$Vz_{mín}$	-1761.367	-1760.987	-1760.608
		$Vz_{máx}$	-997.094	-996.802	-996.510
		$Mt_{mín}$	-0.46	-0.46	-0.46
		$Mt_{máx}$	0.82	0.82	0.82
		$My_{mín}$	-784.02	-563.87	-343.77
		$My_{máx}$	-431.37	-306.75	-182.17
		$Mz_{mín}$	-56.83	-59.32	-61.81
		$Mz_{máx}$	78.30	80.96	83.60

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N30/N212	Aço laminado	$N_{mín}$	514.515	514.544	514.573
		$N_{máx}$	942.830	942.867	942.905
		$Vy_{mín}$	-20.571	-20.571	-20.571
		$Vy_{máx}$	21.187	21.449	21.712
		$Vz_{mín}$	-1315.932	-1315.553	-1315.174
		$Vz_{máx}$	-720.132	-719.840	-719.549
		$Mt_{mín}$	-0.52	-0.52	-0.52
		$Mt_{máx}$	0.83	0.83	0.83
		$My_{mín}$	-357.01	-192.54	-29.91
		$My_{máx}$	-190.45	-99.44	4.44
		$Mz_{mín}$	-61.59	-59.02	-56.45
		$Mz_{máx}$	82.35	79.68	76.99

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N212/N29	Aço laminado	$N_{mín}$	695.492	695.532	695.573	695.614	695.655	695.695	695.736
		$N_{máx}$	1272.631	1272.684	1272.737	1272.790	1272.843	1272.896	1272.949
		$Vy_{mín}$	-20.599	-20.599	-20.599	-20.599	-20.599	-20.599	-20.599
		$Vy_{máx}$	25.370	25.740	26.109	26.479	26.849	27.218	27.588
		$Vz_{mín}$	-184.265	-183.730	-183.197	-182.662	-182.128	-181.594	-181.060
		$Vz_{máx}$	-99.185	-98.774	-98.363	-97.952	-97.541	-97.131	-96.720
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		$My_{mín}$	-314.28	-281.88	-249.59	-217.91	-188.02	-158.23	-128.52
		$My_{máx}$	-168.22	-150.70	-133.27	-115.90	-98.60	-81.39	-64.23
		$Mz_{mín}$	-56.22	-52.59	-48.97	-45.34	-41.75	-38.24	-34.73
		$Mz_{máx}$	76.57	72.07	67.59	63.04	58.44	53.77	49.03

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N29/N215	Aço laminado	$N_{mín}$	695.736	695.777	695.818	695.859	695.899	695.940	695.981
		$N_{máx}$	1272.949	1273.002	1273.055	1273.108	1273.161	1273.214	1273.267
		$Vy_{mín}$	-20.599	-20.599	-20.599	-20.599	-20.599	-20.599	-20.599
		$Vy_{máx}$	27.588	27.958	28.328	28.697	29.067	29.437	29.807
		$Vz_{mín}$	-181.060	-180.526	-179.992	-179.458	-178.924	-178.390	-177.856
		$Vz_{máx}$	-96.720	-96.309	-95.898	-95.487	-95.076	-94.666	-94.255
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		$My_{mín}$	-128.52	-98.91	-69.81	-41.18	-12.62	12.77	35.11
		$My_{máx}$	-64.23	-47.15	-27.47	-3.66	20.06	46.74	74.56
		$Mz_{mín}$	-34.73	-31.22	-27.71	-24.20	-20.72	-17.27	-13.82
		$Mz_{máx}$	49.03	44.23	39.38	34.49	29.54	24.53	19.45

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N215/N28	Aço laminado	$N_{mín}$	767.702	767.730	767.759
		$N_{máx}$	1403.485	1403.523	1403.560

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		$Vy_{mín}$	-20.607	-20.607	-20.607
		$Vy_{máx}$	33.357	33.620	33.882
		$Vz_{mín}$	-1590.495	-1590.116	-1589.737
		$Vz_{máx}$	-870.102	-869.810	-869.518
		$Mt_{mín}$	-0.12	-0.12	-0.12
		$Mt_{máx}$	0.21	0.21	0.21
		$My_{mín}$	-223.06	-30.64	102.57
		$My_{máx}$	-113.58	10.30	191.98
		$Mz_{mín}$	-13.78	-11.33	-8.88
		$Mz_{máx}$	19.45	15.36	11.24

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N28/N214	Aço laminado	$N_{mín}$	782.945	782.974	783.003
		$N_{máx}$	1449.731	1449.768	1449.806
		$Vy_{mín}$	-13.007	-13.007	-13.007
		$Vy_{máx}$	6.733	6.995	7.258
		$Vz_{mín}$	-1135.099	-1134.720	-1134.341
		$Vz_{máx}$	-615.920	-615.628	-615.336
		$Mt_{mín}$	-0.17	-0.17	-0.17
		$Mt_{máx}$	0.19	0.19	0.19
		$My_{mín}$	94.99	173.27	250.20
		$My_{máx}$	177.92	317.60	457.24
		$Mz_{mín}$	-9.47	-7.95	-6.43
		$Mz_{máx}$	10.18	9.42	8.62

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N214/N27	Aço laminado	$N_{mín}$	961.735	961.775	961.816	961.857	961.898	961.939	961.979
		$N_{máx}$	1772.505	1772.558	1772.611	1772.664	1772.717	1772.770	1772.823
		$Vy_{mín}$	-13.004	-13.004	-13.004	-13.004	-13.004	-13.004	-13.004
		$Vy_{máx}$	10.911	11.280	11.650	12.020	12.390	12.759	13.129
		$Vz_{mín}$	-48.933	-48.399	-47.865	-47.331	-46.797	-46.263	-45.729
		$Vz_{máx}$	-22.663	-22.252	-21.841	-21.430	-21.019	-20.609	-20.198
		$Mt_{mín}$	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
		$Mt_{máx}$	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		$My_{mín}$	75.66	79.73	83.72	87.65	91.50	95.28	98.99
		$My_{máx}$	143.37	151.94	160.41	168.80	177.08	185.27	193.37
		$Mz_{mín}$	-6.37	-4.23	-2.10	-0.05	-1.13	-3.32	-5.57
		$Mz_{máx}$	8.32	6.50	4.61	2.66	4.15	6.44	8.73

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N27/N217	Aço laminado	$N_{mín}$	961.979	962.020	962.061	962.102	962.142	962.183	962.224
		$N_{máx}$	1772.823	1772.876	1772.929	1772.982	1773.035	1773.088	1773.141
		$Vy_{mín}$	-13.004	-13.004	-13.004	-13.004	-13.004	-13.004	-13.004

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Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		$Vy_{máx}$	13.129	13.499	13.868	14.238	14.608	14.978	15.347
		$Vz_{mín}$	-45.729	-45.195	-44.661	-44.213	-43.802	-43.391	-42.980
		$Vz_{máx}$	-20.198	-19.787	-19.376	-18.824	-18.207	-17.591	-16.975
		$Mt_{mín}$	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
		$Mt_{máx}$	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		$My_{mín}$	98.99	102.62	106.18	109.67	113.09	116.43	119.71
		$My_{máx}$	193.37	201.38	209.28	217.10	224.83	232.45	239.99
		$Mz_{mín}$	-5.57	-7.89	-10.27	-12.72	-15.23	-17.81	-20.45
		$Mz_{máx}$	8.73	11.02	13.31	15.60	17.89	20.17	22.46

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N217/N26	Aço laminado	$N_{mín}$	1020.483	1020.512	1020.541
		$N_{máx}$	1877.803	1877.840	1877.878
		$Vy_{mín}$	-13.036	-13.036	-13.036
		$Vy_{máx}$	18.932	19.195	19.457
		$Vz_{mín}$	-1160.229	-1159.850	-1159.471
		$Vz_{máx}$	-624.179	-623.888	-623.596
		$Mt_{mín}$	-0.26	-0.26	-0.26
		$Mt_{máx}$	0.32	0.32	0.32
		$My_{mín}$	-27.95	75.22	155.24
		$My_{máx}$	26.67	169.00	312.61
		$Mz_{mín}$	-20.45	-22.81	-25.21
		$Mz_{máx}$	22.50	24.13	25.76

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N26/N216	Aço laminado	$N_{mín}$	1042.361	1042.390	1042.418
		$N_{máx}$	1927.246	1927.283	1927.321
		$Vy_{mín}$	-15.644	-15.382	-15.119
		$Vy_{máx}$	11.450	11.450	11.450
		$Vz_{mín}$	-780.746	-780.367	-779.988
		$Vz_{máx}$	-395.267	-394.976	-394.684
		$Mt_{mín}$	-0.27	-0.27	-0.27
		$Mt_{máx}$	0.29	0.29	0.29
		$My_{mín}$	148.44	197.83	247.19
		$My_{máx}$	297.75	378.90	460.01
		$Mz_{mín}$	-25.32	-23.38	-21.47
		$Mz_{máx}$	25.04	23.61	22.17

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N216/N25	Aço laminado	$N_{mín}$	1157.019	1157.059	1157.100	1157.141	1157.182	1157.222	1157.263
		$N_{máx}$	2119.026	2119.079	2119.132	2119.185	2119.238	2119.291	2119.344
		$Vy_{mín}$	-11.472	-11.103	-10.733	-10.363	-9.993	-9.624	-9.254
		$Vy_{máx}$	11.453	11.453	11.453	11.453	11.453	11.453	11.453

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Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		$Vz_{mín}$	-40.729	-40.195	-39.661	-39.127	-38.593	-38.059	-37.525
		$Vz_{máx}$	-17.550	-17.139	-16.728	-16.317	-15.906	-15.496	-15.085
		$Mt_{mín}$	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08
		$Mt_{máx}$	0.05	0.05	0.05	0.05	0.05	0.05	0.05
		$My_{mín}$	131.53	134.58	137.56	140.47	143.31	146.07	148.77
		$My_{máx}$	261.36	265.61	269.77	273.83	277.79	281.67	285.45
		$Mz_{mín}$	-21.80	-19.81	-17.89	-16.03	-14.24	-12.51	-10.85
		$Mz_{máx}$	22.26	20.24	18.23	16.21	14.19	12.18	10.16

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N25/N227	Aço laminado	$N_{mín}$	1157.263	1157.304	1157.345	1157.385	1157.426	1157.467	1157.508
		$N_{máx}$	2119.344	2119.397	2119.450	2119.503	2119.556	2119.609	2119.662
		$Vy_{mín}$	-9.254	-8.884	-8.515	-8.145	-7.775	-7.405	-7.036
		$Vy_{máx}$	11.453	11.453	11.453	11.453	11.453	11.453	11.453
		$Vz_{mín}$	-37.525	-36.991	-36.457	-35.923	-35.389	-34.855	-34.320
		$Vz_{máx}$	-15.085	-14.674	-14.263	-13.852	-13.441	-13.031	-12.620
		$Mt_{mín}$	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08
		$Mt_{máx}$	0.05	0.05	0.05	0.05	0.05	0.05	0.05
		$My_{mín}$	148.77	151.39	153.93	156.41	158.81	161.14	163.40
		$My_{máx}$	285.45	289.13	292.72	296.22	299.62	302.93	306.15
		$Mz_{mín}$	-10.85	-9.25	-7.72	-6.25	-4.85	-3.52	-4.50
		$Mz_{máx}$	10.16	8.14	6.13	4.11	2.10	0.08	0.07

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N227/N24	Aço laminado	$N_{mín}$	1189.846	1189.875	1189.904
		$N_{máx}$	2179.766	2179.803	2179.841
		$Vy_{mín}$	-3.459	-3.196	-2.934
		$Vy_{máx}$	11.494	11.494	11.494
		$Vz_{mín}$	-780.573	-780.194	-779.815
		$Vz_{máx}$	-388.871	-388.580	-388.288
		$Mt_{mín}$	-0.34	-0.34	-0.34
		$Mt_{máx}$	0.01	0.01	0.01
		$My_{mín}$	103.10	151.69	200.25
		$My_{máx}$	209.93	291.54	375.50
		$Mz_{mín}$	-4.46	-5.86	-7.26
		$Mz_{máx}$	0.07	0.42	0.79

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
N196/N201	Aço laminado	$N_{mín}$	308.322	308.373	308.423	308.474	308.524	308.574	308.625
		$N_{máx}$	541.720	541.785	541.851	541.916	541.982	542.047	542.113
		$Vy_{mín}$	-34.930	-34.930	-34.930	-34.930	-34.930	-34.930	-34.930
		$Vy_{máx}$	28.226	27.769	27.312	26.854	26.397	25.940	25.483
		$Vz_{mín}$	10.849	11.612	12.374	13.136	13.898	14.660	15.422
		$Vz_{máx}$	34.286	34.794	35.302	35.810	36.318	36.826	37.334

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Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	-7.52	-15.15	-22.89	-30.75	-38.71	-46.78
		$My_{máx}$	0.00	-2.45	-5.06	-7.83	-10.78	-13.88	-17.16
		$Mz_{mín}$	0.00	-6.10	-12.09	-17.99	-23.79	-29.48	-35.08
		$Mz_{máx}$	0.00	7.61	15.21	22.82	30.42	38.03	45.63

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N201/N210	Aço laminado	$N_{mín}$	308.625	308.666	308.706	308.747	308.788	308.829	308.869
		$N_{máx}$	542.113	542.166	542.219	542.272	542.325	542.378	542.431
		$Vy_{mín}$	-34.930	-34.930	-34.930	-34.930	-34.930	-34.930	-34.930
		$Vy_{máx}$	25.483	25.113	24.743	24.373	24.004	23.634	23.264
		$Vz_{mín}$	15.422	16.038	16.654	17.271	17.887	18.503	19.120
		$Vz_{máx}$	37.334	37.745	38.156	38.567	38.977	39.388	39.799
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	-46.78	-53.39	-60.07	-66.83	-73.65	-80.55	-87.52
		$My_{máx}$	-17.16	-19.93	-22.81	-25.79	-28.89	-32.09	-35.40
		$Mz_{mín}$	-35.08	-39.54	-43.92	-48.25	-52.51	-56.70	-60.83
		$Mz_{máx}$	45.63	51.78	57.93	64.08	70.23	76.38	82.53

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N210/N199	Aço laminado	$N_{mín}$	493.341	493.370	493.399
		$N_{máx}$	867.453	867.490	867.528
		$Vy_{mín}$	-30.809	-30.809	-30.809
		$Vy_{máx}$	19.202	18.939	18.677
		$Vz_{mín}$	-2107.212	-2106.832	-2106.453
		$Vz_{máx}$	-1215.317	-1215.026	-1214.734
		$Mt_{mín}$	-0.95	-0.95	-0.95
		$Mt_{máx}$	0.83	0.83	0.83
		$My_{mín}$	-915.01	-651.63	-388.30
		$My_{máx}$	-510.02	-358.12	-206.26
		$Mz_{mín}$	-60.42	-62.80	-65.15
		$Mz_{máx}$	82.00	85.85	89.70

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N199/N211	Aço laminado	$N_{mín}$	507.155	507.183	507.212
		$N_{máx}$	921.446	921.484	921.522
		$Vy_{mín}$	-19.580	-19.843	-20.105
		$Vy_{máx}$	29.835	29.835	29.835
		$Vz_{mín}$	-1571.182	-1570.803	-1570.424
		$Vz_{máx}$	-869.230	-868.938	-868.646

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		$Mt_{mín}$	-0.98	-0.98	-0.98
		$Mt_{máx}$	0.88	0.88	0.88
		$My_{mín}$	-404.24	-207.87	-16.24
		$My_{máx}$	-216.61	-107.98	9.62
		$Mz_{mín}$	-64.02	-61.55	-59.06
		$Mz_{máx}$	89.21	85.48	81.75

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N211/N200	Aço laminado	$N_{mín}$	722.278	722.319	722.359	722.400	722.441	722.482	722.522
		$N_{máx}$	1309.459	1309.512	1309.565	1309.618	1309.671	1309.724	1309.777
		$Vy_{mín}$	-20.118	-20.488	-20.858	-21.227	-21.597	-21.967	-22.337
		$Vy_{máx}$	29.829	29.829	29.829	29.829	29.829	29.829	29.829
		$Vz_{mín}$	-217.981	-217.447	-216.913	-216.379	-215.845	-215.311	-214.777
		$Vz_{máx}$	-119.907	-119.496	-119.085	-118.674	-118.263	-117.852	-117.442
		$Mt_{mín}$	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		$Mt_{máx}$	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		$My_{mín}$	-332.78	-294.44	-256.22	-218.43	-182.71	-147.21	-112.92
		$My_{máx}$	-178.46	-157.38	-136.38	-115.45	-94.59	-73.64	-50.85
		$Mz_{mín}$	-58.82	-55.24	-51.61	-47.91	-44.25	-40.52	-36.72
		$Mz_{máx}$	81.47	76.22	70.97	65.76	60.61	55.47	50.32

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N200/N208	Aço laminado	$N_{mín}$	722.522	722.563	722.604	722.645	722.686	722.726	722.767
		$N_{máx}$	1309.777	1309.830	1309.883	1309.936	1309.989	1310.042	1310.095
		$Vy_{mín}$	-22.337	-22.706	-23.076	-23.446	-23.816	-24.185	-24.555
		$Vy_{máx}$	29.829	29.829	29.829	29.829	29.829	29.829	29.829
		$Vz_{mín}$	-214.777	-214.243	-213.709	-213.175	-212.640	-212.106	-211.572
		$Vz_{máx}$	-117.442	-117.031	-116.620	-116.209	-115.798	-115.387	-114.977
		$Mt_{mín}$	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		$Mt_{máx}$	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		$My_{mín}$	-112.92	-78.71	-44.58	-10.51	21.03	48.40	68.82
		$My_{máx}$	-50.85	-28.17	-5.62	17.21	48.14	83.69	120.99
		$Mz_{mín}$	-36.72	-32.86	-28.94	-24.97	-20.95	-16.88	-12.74
		$Mz_{máx}$	50.32	45.17	40.03	34.90	29.81	24.73	19.64

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N208/N197	Aço laminado	$N_{mín}$	798.069	798.098	798.127
		$N_{máx}$	1445.644	1445.682	1445.719
		$Vy_{mín}$	-24.552	-24.814	-25.077
		$Vy_{máx}$	29.833	29.833	29.833
		$Vz_{mín}$	-1640.020	-1639.641	-1639.262
		$Vz_{máx}$	-906.702	-906.411	-906.119
		$Mt_{mín}$	-0.25	-0.25	-0.25
		$Mt_{máx}$	0.17	0.17	0.17
		$My_{mín}$	-185.73	7.33	135.89

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		$My_{máx}$	-90.42	38.34	242.27
		$Mz_{mín}$	-12.71	-9.73	-6.72
		$Mz_{máx}$	19.60	15.99	12.38

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N197/N209	Aço laminado	$N_{mín}$	815.429	815.458	815.487
		$N_{máx}$	1496.379	1496.417	1496.454
		$Vy_{mín}$	-8.841	-9.103	-9.366
		$Vy_{máx}$	14.225	14.225	14.225
		$Vz_{mín}$	-1138.859	-1138.479	-1138.100
		$Vz_{máx}$	-617.250	-616.958	-616.666
		$Mt_{mín}$	-0.20	-0.20	-0.20
		$Mt_{máx}$	0.21	0.21	0.21
		$My_{mín}$	127.27	204.70	281.80
		$My_{máx}$	226.87	367.07	507.24
		$Mz_{mín}$	-5.77	-4.74	-3.69
		$Mz_{máx}$	13.29	11.61	9.93

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N209/N202	Aço laminado	$N_{mín}$	997.686	997.726	997.767	997.808	997.849	997.889	997.930
		$N_{máx}$	1825.104	1825.157	1825.210	1825.263	1825.316	1825.369	1825.422
		$Vy_{mín}$	-9.356	-9.726	-10.096	-10.466	-10.835	-11.205	-11.575
		$Vy_{máx}$	14.221	14.221	14.221	14.221	14.221	14.221	14.221
		$Vz_{mín}$	-34.529	-34.118	-33.707	-33.296	-32.885	-32.474	-32.063
		$Vz_{máx}$	-12.385	-11.769	-11.153	-10.537	-9.920	-9.304	-8.688
		$Mt_{mín}$	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		$Mt_{máx}$	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		$My_{mín}$	103.61	105.97	108.25	110.45	112.59	114.65	116.64
		$My_{máx}$	186.07	192.01	197.86	203.61	209.27	214.83	220.30
		$Mz_{mín}$	-3.62	-2.08	-0.48	0.00	-1.39	-3.87	-6.34
		$Mz_{máx}$	9.86	7.50	5.14	3.02	4.90	6.84	8.84

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N202/N206	Aço laminado	$N_{mín}$	997.930	997.971	998.012	998.053	998.093	998.134	998.175
		$N_{máx}$	1825.422	1825.475	1825.528	1825.581	1825.634	1825.687	1825.740
		$Vy_{mín}$	-11.575	-11.945	-12.314	-12.684	-13.054	-13.423	-13.793
		$Vy_{máx}$	14.221	14.221	14.221	14.221	14.221	14.221	14.221
		$Vz_{mín}$	-32.063	-31.653	-31.242	-30.831	-30.420	-30.009	-29.598
		$Vz_{máx}$	-8.688	-8.071	-7.455	-6.839	-6.223	-5.607	-4.990
		$Mt_{mín}$	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		$Mt_{máx}$	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		$My_{mín}$	116.64	118.56	120.41	122.18	123.82	125.39	126.90
		$My_{máx}$	220.30	225.68	230.96	236.15	241.25	246.24	251.15
		$Mz_{mín}$	-6.34	-8.82	-11.29	-13.76	-16.24	-18.71	-21.18
		$Mz_{máx}$	8.84	10.91	13.04	15.24	17.51	19.84	22.23

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N206/N198	Aço laminado	$N_{mín}$	1056.253	1056.282	1056.311
		$N_{máx}$	1930.092	1930.130	1930.168
		$Vy_{mín}$	-13.712	-13.974	-14.237
		$Vy_{máx}$	14.254	14.254	14.254
		$Vz_{mín}$	-1143.754	-1143.375	-1142.996
		$Vz_{máx}$	-613.906	-613.614	-613.322
		$Mt_{mín}$	-0.50	-0.50	-0.50
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	-17.69	81.93	160.48
		$My_{máx}$	38.25	179.20	320.75
		$Mz_{mín}$	-21.23	-22.99	-24.75
		$Mz_{máx}$	22.24	23.97	25.73

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N198/N207	Aço laminado	$N_{mín}$	1077.988	1078.017	1078.046
		$N_{máx}$	1979.531	1979.568	1979.606
		$Vy_{mín}$	-10.742	-10.742	-10.742
		$Vy_{máx}$	16.189	15.927	15.664
		$Vz_{mín}$	-764.271	-763.892	-763.512
		$Vz_{máx}$	-384.853	-384.561	-384.270
		$Mt_{mín}$	-0.49	-0.49	-0.49
		$Mt_{máx}$	0.00	0.00	0.00
		$My_{mín}$	153.68	201.77	249.82
		$My_{máx}$	305.89	384.98	464.03
		$Mz_{mín}$	-24.01	-22.67	-21.33
		$Mz_{máx}$	25.91	23.90	21.93

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N207/N203	Aço laminado	$N_{mín}$	1189.948	1189.989	1190.030	1190.070	1190.111	1190.152	1190.193
		$N_{máx}$	2167.059	2167.112	2167.165	2167.218	2167.271	2167.324	2167.377
		$Vy_{mín}$	-10.747	-10.747	-10.747	-10.747	-10.747	-10.747	-10.747
		$Vy_{máx}$	11.917	11.547	11.177	10.807	10.438	10.068	9.698
		$Vz_{mín}$	-39.128	-38.593	-38.060	-37.525	-36.991	-36.457	-35.923
		$Vz_{máx}$	-16.509	-16.098	-15.687	-15.276	-14.865	-14.455	-14.044
		$Mt_{mín}$	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
		$Mt_{máx}$	0.05	0.05	0.05	0.05	0.05	0.05	0.05
		$My_{mín}$	136.30	139.17	141.97	144.70	147.35	149.93	152.44
		$My_{máx}$	268.73	272.69	276.56	280.33	284.01	287.59	291.09
		$Mz_{mín}$	-21.42	-19.53	-17.64	-15.74	-13.85	-11.96	-10.07
		$Mz_{máx}$	22.09	20.02	18.02	16.09	14.22	12.41	10.67

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N203/N204	Aço laminado	$N_{mín}$	1190.193	1190.233	1190.274	1190.315	1190.356	1190.396	1190.437

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Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		$N_{máx}$	2167.377	2167.430	2167.483	2167.536	2167.589	2167.642	2167.695
		$Vy_{mín}$	-10.747	-10.747	-10.747	-10.747	-10.747	-10.747	-10.747
		$Vy_{máx}$	9.698	9.328	8.959	8.589	8.219	7.850	7.480
		$Vz_{mín}$	-35.923	-35.389	-34.855	-34.321	-33.787	-33.253	-32.747
		$Vz_{máx}$	-14.044	-13.633	-13.222	-12.811	-12.400	-11.990	-11.540
		$Mt_{mín}$	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
		$Mt_{máx}$	0.05	0.05	0.05	0.05	0.05	0.05	0.05
		$My_{mín}$	152.44	154.88	157.24	159.53	161.75	163.90	165.97
		$My_{máx}$	291.09	294.48	297.79	301.00	304.11	307.13	310.06
		$Mz_{mín}$	-10.07	-8.18	-6.28	-4.39	-2.50	-0.61	-1.02
		$Mz_{máx}$	10.67	9.00	7.39	5.84	4.36	2.95	3.50

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N204/N22	Aço laminado	$N_{mín}$	1221.657	1221.686	1221.715
		$N_{máx}$	2225.996	2226.034	2226.071
		$Vy_{mín}$	-10.779	-10.779	-10.779
		$Vy_{máx}$	3.913	3.650	3.388
		$Vz_{mín}$	-762.835	-762.456	-762.077
		$Vz_{máx}$	-377.548	-377.256	-376.964
		$Mt_{mín}$	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.27	0.27	0.27
		$My_{mín}$	108.25	155.42	202.56
		$My_{máx}$	217.84	297.24	378.97
		$Mz_{mín}$	-1.01	-1.46	-1.88
		$Mz_{máx}$	3.46	4.77	6.09

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N205/N22	Aço laminado	$N_{mín}$	1252.606	1252.619	1252.633
		$N_{máx}$	2293.702	2293.719	2293.737
		$Vy_{mín}$	-2.900	-2.900	-2.900
		$Vy_{máx}$	11.254	11.516	11.779
		$Vz_{mín}$	-133.437	-133.056	-132.676
		$Vz_{máx}$	27.125	27.418	27.711
		$Mt_{mín}$	-0.72	-0.72	-0.72
		$Mt_{máx}$	0.34	0.34	0.34
		$My_{mín}$	185.47	189.36	193.21
		$My_{máx}$	357.13	358.10	362.15
		$Mz_{mín}$	-6.39	-6.04	-5.70
		$Mz_{máx}$	4.40	3.01	1.59

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N19/N181	Aço laminado	$N_{mín}$	1228.219	1228.233	1228.246
		$N_{máx}$	2254.454	2254.472	2254.490
		$Vy_{mín}$	-9.785	-9.522	-9.260

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		$Vy_{máx}$	2.576	2.576	2.576
		$Vz_{mín}$	-155.100	-154.720	-154.339
		$Vz_{máx}$	12.509	12.802	13.095
		$Mt_{mín}$	-0.38	-0.38	-0.38
		$Mt_{máx}$	0.70	0.70	0.70
		$My_{mín}$	178.08	185.43	192.75
		$My_{máx}$	331.69	347.71	364.16
		$Mz_{mín}$	-6.08	-6.39	-6.71
		$Mz_{máx}$	6.18	7.37	8.52

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
N181/N20	Aço laminado	$N_{mín}$	1252.718	1252.737	1252.756	1252.775	1252.794	1252.813	1252.832
		$N_{máx}$	2303.670	2303.694	2303.719	2303.743	2303.768	2303.793	2303.817
		$Vy_{mín}$	-5.500	-5.132	-4.764	-4.396	-4.028	-3.660	-3.292
		$Vy_{máx}$	2.541	2.541	2.541	2.541	2.541	2.541	2.541
		$Vz_{mín}$	19.813	20.224	20.634	21.045	21.455	21.866	22.276
		$Vz_{máx}$	45.006	45.540	46.073	46.607	47.141	47.674	48.208
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		$My_{mín}$	148.54	145.03	141.45	137.80	134.08	130.28	126.41
		$My_{máx}$	277.65	272.68	267.62	262.46	257.21	251.86	246.42
		$Mz_{mín}$	-6.56	-7.00	-7.45	-7.89	-8.34	-8.78	-9.23
		$Mz_{máx}$	8.25	9.16	10.02	10.83	11.57	12.24	12.85

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
N20/N182	Aço laminado	$N_{mín}$	1252.832	1252.851	1252.870	1252.889	1252.908	1252.927	1252.945
		$N_{máx}$	2303.817	2303.842	2303.867	2303.891	2303.916	2303.940	2303.965
		$Vy_{mín}$	-3.292	-2.924	-2.556	-2.188	-1.820	-1.452	-1.084
		$Vy_{máx}$	2.541	2.541	2.541	2.541	2.541	2.541	2.541
		$Vz_{mín}$	22.276	22.687	23.097	23.508	23.918	24.328	24.739
		$Vz_{máx}$	48.208	48.742	49.275	49.809	50.342	50.876	51.409
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		$My_{mín}$	126.41	122.47	118.46	114.38	110.22	106.00	101.70
		$My_{máx}$	246.42	240.89	235.26	229.54	223.73	217.82	211.82
		$Mz_{mín}$	-9.23	-9.68	-10.12	-10.57	-11.01	-11.46	-11.90
		$Mz_{máx}$	12.85	13.39	13.87	14.29	14.64	14.93	15.15

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N182/N98	Aço laminado	$N_{mín}$	1271.337	1271.350	1271.364
		$N_{máx}$	2339.258	2339.276	2339.293
		$Vy_{mín}$	-0.038	-0.038	-0.038
		$Vy_{máx}$	2.810	3.072	3.335
		$Vz_{mín}$	-293.785	-293.405	-293.024

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		$Vz_{máx}$	-108.112	-107.819	-107.526
		$Mt_{mín}$	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.06	0.06	0.06
		$My_{mín}$	85.16	102.29	119.37
		$My_{máx}$	181.36	216.65	251.89
		$Mz_{mín}$	-11.89	-12.20	-12.50
		$Mz_{máx}$	15.23	14.89	14.50

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N98/N183	Aço laminado	$N_{mín}$	1281.855	1281.869	1281.882
		$N_{máx}$	2362.338	2362.356	2362.373
		$Vy_{mín}$	-2.506	-2.506	-2.506
		$Vy_{máx}$	0.000	0.000	0.000
		$Vz_{mín}$	54.182	54.562	54.943
		$Vz_{máx}$	234.400	234.693	234.986
		$Mt_{mín}$	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.07	0.07	0.07
		$My_{mín}$	116.23	104.86	93.46
		$My_{máx}$	244.97	217.75	190.48
		$Mz_{mín}$	-12.43	-12.13	-11.83
		$Mz_{máx}$	14.57	14.76	14.92

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
N183/N21	Aço laminado	$N_{mín}$	1259.250	1259.269	1259.288	1259.307	1259.326	1259.345	1259.364
		$N_{máx}$	2312.505	2312.530	2312.554	2312.579	2312.604	2312.628	2312.653
		$Vy_{mín}$	-2.726	-2.726	-2.726	-2.726	-2.726	-2.726	-2.726
		$Vy_{máx}$	2.994	3.362	3.729	4.097	4.466	4.833	5.201
		$Vz_{mín}$	-59.635	-59.102	-58.568	-58.035	-57.501	-56.968	-56.434
		$Vz_{máx}$	-28.893	-28.482	-28.072	-27.661	-27.251	-26.840	-26.430
		$Mt_{mín}$	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		$Mt_{máx}$	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		$My_{mín}$	100.52	105.54	110.50	115.38	120.19	124.93	129.60
		$My_{máx}$	209.70	217.12	224.45	231.69	238.83	245.88	252.83
		$Mz_{mín}$	-11.83	-11.37	-10.91	-10.44	-9.98	-9.52	-9.06
		$Mz_{máx}$	14.74	14.22	13.63	12.99	12.27	11.50	10.66

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
N21/N205	Aço laminado	$N_{mín}$	1259.364	1259.383	1259.402	1259.421	1259.440	1259.459	1259.478
		$N_{máx}$	2312.653	2312.678	2312.702	2312.727	2312.751	2312.776	2312.801
		$Vy_{mín}$	-2.726	-2.726	-2.726	-2.726	-2.726	-2.726	-2.726
		$Vy_{máx}$	5.201	5.569	5.937	6.305	6.673	7.041	7.409
		$Vz_{mín}$	-56.434	-55.900	-55.367	-54.833	-54.299	-53.766	-53.232
		$Vz_{máx}$	-26.430	-26.019	-25.609	-25.198	-24.788	-24.378	-23.967

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Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		$Mt_{mín}$	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		$Mt_{máx}$	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		$My_{mín}$	129.60	134.19	138.72	143.17	147.55	151.86	156.09
		$My_{máx}$	252.83	259.70	266.46	273.14	279.72	286.21	292.61
		$Mz_{mín}$	-9.06	-8.60	-8.14	-7.68	-7.22	-6.76	-6.30
		$Mz_{máx}$	10.66	9.75	8.78	7.75	6.65	5.49	4.26

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N23/N162	Aço laminado	$N_{mín}$	1207.304	1207.317	1207.331
		$N_{máx}$	2225.752	2225.769	2225.787
		$Vy_{mín}$	-1.842	-1.842	-1.842
		$Vy_{máx}$	10.486	10.224	9.961
		$Vz_{mín}$	-138.366	-137.985	-137.605
		$Vz_{máx}$	25.379	25.672	25.965
		$Mt_{mín}$	-0.87	-0.87	-0.87
		$Mt_{máx}$	0.21	0.21	0.21
		$My_{mín}$	177.28	183.45	189.58
		$My_{máx}$	330.60	344.53	358.89
		$Mz_{mín}$	-1.95	-3.23	-4.49
		$Mz_{máx}$	10.38	10.60	10.81

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
N162/N102	Aço laminado	$N_{mín}$	1229.391	1229.410	1229.429	1229.448	1229.467	1229.486	1229.505
		$N_{máx}$	2270.802	2270.826	2270.851	2270.876	2270.900	2270.925	2270.950
		$Vy_{mín}$	-1.885	-1.885	-1.885	-1.885	-1.885	-1.885	-1.885
		$Vy_{máx}$	6.123	5.755	5.388	5.020	4.651	4.284	3.916
		$Vz_{mín}$	19.422	19.833	20.243	20.654	21.064	21.474	21.885
		$Vz_{máx}$	44.536	45.070	45.603	46.137	46.671	47.204	47.738
		$Mt_{mín}$	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		$Mt_{máx}$	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		$My_{mín}$	148.09	144.65	141.15	137.56	133.91	130.18	126.38
		$My_{máx}$	277.01	272.12	267.14	262.06	256.89	251.63	246.27
		$Mz_{mín}$	-4.23	-5.27	-6.25	-7.16	-8.00	-8.78	-9.50
		$Mz_{máx}$	10.64	10.95	11.28	11.61	11.94	12.27	12.60

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
N102/N163	Aço laminado	$N_{mín}$	1229.505	1229.523	1229.542	1229.561	1229.580	1229.599	1229.618
		$N_{máx}$	2270.950	2270.974	2270.999	2271.023	2271.048	2271.073	2271.097
		$Vy_{mín}$	-1.885	-1.885	-1.885	-1.885	-1.885	-1.885	-1.885
		$Vy_{máx}$	3.916	3.548	3.180	2.812	2.444	2.076	1.708
		$Vz_{mín}$	21.885	22.295	22.706	23.116	23.527	23.937	24.348
		$Vz_{máx}$	47.738	48.271	48.805	49.339	49.872	50.406	50.939
		$Mt_{mín}$	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		$Mt_{máx}$	0.03	0.03	0.03	0.03	0.03	0.03	0.03
		$My_{mín}$	126.38	122.51	118.57	114.55	110.46	106.31	102.08

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Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		$My_{máx}$	246.27	240.82	235.28	229.64	223.91	218.08	212.16
		$Mz_{mín}$	-9.50	-10.15	-10.74	-11.26	-11.72	-12.11	-12.44
		$Mz_{máx}$	12.60	12.94	13.27	13.60	13.93	14.26	14.59

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N163/N100	Aço laminado	$N_{mín}$	1246.296	1246.309	1246.323
		$N_{máx}$	2303.576	2303.593	2303.611
		$Vy_{mín}$	-2.166	-2.428	-2.691
		$Vy_{máx}$	-0.001	-0.001	-0.001
		$Vz_{mín}$	-274.626	-274.245	-273.865
		$Vz_{máx}$	-93.377	-93.084	-92.791
		$Mt_{mín}$	-0.05	-0.05	-0.05
		$Mt_{máx}$	0.04	0.04	0.04
		$My_{mín}$	88.18	103.84	119.47
		$My_{máx}$	186.07	218.96	251.81
		$Mz_{mín}$	-12.52	-12.25	-11.94
		$Mz_{máx}$	14.58	14.81	15.04

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N100/N164	Aço laminado	$N_{mín}$	1256.814	1256.828	1256.841
		$N_{máx}$	2326.656	2326.673	2326.691
		$Vy_{mín}$	-0.055	-0.055	-0.055
		$Vy_{máx}$	3.158	3.158	3.158
		$Vz_{mín}$	73.220	73.513	73.806
		$Vz_{máx}$	249.253	249.633	250.014
		$Mt_{mín}$	-0.05	-0.05	-0.05
		$Mt_{máx}$	0.04	0.04	0.04
		$My_{mín}$	116.33	103.51	90.65
		$My_{máx}$	244.90	215.28	185.62
		$Mz_{mín}$	-12.01	-12.27	-12.50
		$Mz_{máx}$	14.97	14.60	14.22

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
N164/N101	Aço laminado	$N_{mín}$	1231.583	1231.602	1231.621	1231.640	1231.659	1231.677	1231.696
		$N_{máx}$	2272.494	2272.519	2272.543	2272.568	2272.592	2272.617	2272.642
		$Vy_{mín}$	-2.343	-2.712	-3.079	-3.447	-3.815	-4.183	-4.551
		$Vy_{máx}$	3.341	3.341	3.341	3.341	3.341	3.341	3.341
		$Vz_{mín}$	-58.256	-57.722	-57.189	-56.655	-56.121	-55.588	-55.054
		$Vz_{máx}$	-27.927	-27.516	-27.106	-26.695	-26.285	-25.875	-25.464
		$Mt_{mín}$	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		$Mt_{máx}$	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		$My_{mín}$	100.74	105.60	110.38	115.09	119.74	124.30	128.80
		$My_{máx}$	209.75	216.94	224.02	231.02	237.92	244.73	251.44
		$Mz_{mín}$	-12.32	-11.90	-11.42	-10.88	-10.26	-9.59	-8.85

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Envoltórias dos esforços em barras								
Barra	Tipo de combinação	Esforço	Posições na barra					
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
		$Mz_{máx}$	14.22	13.67	13.11	12.56	12.00	11.44	10.89

Envoltórias dos esforços em barras								
Barra	Tipo de combinação	Esforço	Posições na barra					
			0.000 m	0.175 m	0.350 m	0.526 m	0.701 m	0.876 m	1.051 m
N101/N226	Aço laminado	$N_{mín}$	1231.696	1231.715	1231.734	1231.753	1231.772	1231.791	1231.810
		$N_{máx}$	2272.642	2272.666	2272.691	2272.716	2272.740	2272.765	2272.789
		$Vy_{mín}$	-4.551	-4.919	-5.287	-5.655	-6.023	-6.391	-6.759
		$Vy_{máx}$	3.341	3.341	3.341	3.341	3.341	3.341	3.341
		$Vz_{mín}$	-55.054	-54.521	-53.987	-53.453	-52.920	-52.386	-51.853
		$Vz_{máx}$	-25.464	-25.053	-24.643	-24.233	-23.822	-23.412	-23.001
		$Mt_{mín}$	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		$Mt_{máx}$	0.04	0.04	0.04	0.04	0.04	0.04	0.04
		$My_{mín}$	128.80	133.23	137.58	141.87	146.08	150.21	154.28
		$My_{máx}$	251.44	258.07	264.59	271.03	277.37	283.61	289.77
		$Mz_{mín}$	-8.85	-8.04	-7.18	-6.24	-5.24	-4.18	-3.05
		$Mz_{máx}$	10.89	10.33	9.78	9.22	8.67	8.11	7.55

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N226/N24	Aço laminado	$N_{mín}$	1222.913	1222.926	1222.940
		$N_{máx}$	2250.540	2250.557	2250.575
		$Vy_{mín}$	-10.650	-10.912	-11.175
		$Vy_{máx}$	3.466	3.466	3.466
		$Vz_{mín}$	-109.461	-109.168	-108.876
		$Vz_{máx}$	45.990	46.371	46.752
		$Mt_{mín}$	-0.29	-0.29	-0.29
		$Mt_{máx}$	0.79	0.79	0.79
		$My_{mín}$	186.52	188.43	190.31
		$My_{máx}$	358.81	356.75	357.75
		$Mz_{mín}$	-3.20	-1.88	-0.52
		$Mz_{máx}$	7.65	7.25	6.84

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
N47/N194	Aço laminado	$N_{mín}$	-31.457	-31.451	-31.446	-31.440	-31.434	-31.429	-31.423
		$N_{máx}$	-18.448	-18.444	-18.441	-18.437	-18.433	-18.429	-18.426
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-0.361	-0.301	-0.240	-0.180	-0.120	-0.060	0.000
		$Vz_{máx}$	-0.240	-0.200	-0.160	-0.120	-0.080	-0.040	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.05	0.09	0.12	0.14	0.15	0.16
		$My_{máx}$	0.00	0.07	0.13	0.18	0.21	0.23	0.24
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
N194/N46	Aço laminado	$N_{mín}$	-31.423	-31.417	-31.412	-31.406	-31.400	-31.395	-31.389
		$N_{máx}$	-18.426	-18.422	-18.418	-18.414	-18.411	-18.407	-18.403
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.040	0.080	0.120	0.160	0.200	0.240
		$Vz_{máx}$	0.000	0.060	0.120	0.180	0.240	0.301	0.361
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.16	0.15	0.14	0.12	0.09	0.05	0.00
		$My_{máx}$	0.24	0.23	0.21	0.18	0.13	0.07	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
N48/N193	Aço laminado	$N_{mín}$	-25.228	-25.223	-25.217	-25.211	-25.206	-25.200	-25.194
		$N_{máx}$	-14.898	-14.894	-14.890	-14.886	-14.883	-14.879	-14.875
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-0.361	-0.301	-0.240	-0.180	-0.120	-0.060	0.000
		$Vz_{máx}$	-0.240	-0.200	-0.160	-0.120	-0.080	-0.040	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.05	0.09	0.12	0.14	0.15	0.16
		$My_{máx}$	0.00	0.07	0.13	0.18	0.21	0.23	0.24
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
N193/N47	Aço laminado	$N_{mín}$	-25.194	-25.189	-25.183	-25.177	-25.172	-25.166	-25.161
		$N_{máx}$	-14.875	-14.871	-14.868	-14.864	-14.860	-14.856	-14.853
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.040	0.080	0.120	0.160	0.200	0.240
		$Vz_{máx}$	0.000	0.060	0.120	0.180	0.240	0.301	0.361
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.16	0.15	0.14	0.12	0.09	0.05	0.00
		$My_{máx}$	0.24	0.23	0.21	0.18	0.13	0.07	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
N49/N192	Aço laminado	$N_{mín}$	-20.923	-20.917	-20.911	-20.906	-20.900	-20.895	-20.889
		$N_{máx}$	-8.891	-8.888	-8.884	-8.880	-8.876	-8.872	-8.869
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-0.361	-0.301	-0.240	-0.180	-0.120	-0.060	0.000
		$Vz_{máx}$	-0.240	-0.200	-0.160	-0.120	-0.080	-0.040	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.05	0.09	0.12	0.14	0.15	0.16
		$My_{máx}$	0.00	0.07	0.13	0.18	0.21	0.23	0.24
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
N192/N48	Aço laminado	$N_{mín}$	-20.889	-20.883	-20.878	-20.872	-20.866	-20.861	-20.855
		$N_{máx}$	-8.869	-8.865	-8.861	-8.857	-8.854	-8.850	-8.846
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.040	0.080	0.120	0.160	0.200	0.240
		$Vz_{máx}$	0.000	0.060	0.120	0.180	0.240	0.301	0.361
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.16	0.15	0.14	0.12	0.09	0.05	0.00
		$My_{máx}$	0.24	0.23	0.21	0.18	0.13	0.07	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
N46/N195	Aço laminado	$N_{mín}$	-37.125	-37.119	-37.114	-37.108	-37.102	-37.097	-37.091
		$N_{máx}$	-19.219	-19.216	-19.212	-19.208	-19.204	-19.200	-19.197
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	-0.361	-0.301	-0.240	-0.180	-0.120	-0.060	0.000
		$Vz_{máx}$	-0.240	-0.200	-0.160	-0.120	-0.080	-0.040	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.05	0.09	0.12	0.14	0.15	0.16
		$My_{máx}$	0.00	0.07	0.13	0.18	0.21	0.23	0.24
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.870 m	1.088 m	1.306 m
N195/N45	Aço laminado	$N_{mín}$	-37.091	-37.085	-37.080	-37.074	-37.068	-37.063	-37.057
		$N_{máx}$	-19.197	-19.193	-19.189	-19.185	-19.182	-19.178	-19.174
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.040	0.080	0.120	0.160	0.200	0.240
		$Vz_{máx}$	0.000	0.060	0.120	0.180	0.240	0.301	0.361
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.16	0.15	0.14	0.12	0.09	0.05	0.00
		$My_{máx}$	0.24	0.23	0.21	0.18	0.13	0.07	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
N35/N191	Aço laminado	$N_{mín}$	-17.034	-17.030	-17.026	-17.022	-17.018	-17.014	-17.010
		$N_{máx}$	2.689	2.695	2.700	2.705	2.710	2.715	2.720
		$Vy_{mín}$	-0.382	-0.382	-0.382	-0.382	-0.382	-0.382	-0.382
		$Vy_{máx}$	0.381	0.381	0.381	0.381	0.381	0.381	0.381
		$Vz_{mín}$	-0.605	-0.553	-0.501	-0.448	-0.396	-0.344	-0.292
		$Vz_{máx}$	-0.195	-0.155	-0.115	-0.075	-0.035	0.005	0.045
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.04	0.07	0.09	0.10	0.10	0.10
		$My_{máx}$	0.00	0.13	0.24	0.34	0.44	0.52	0.59
		$Mz_{mín}$	0.00	-0.08	-0.17	-0.25	-0.33	-0.41	-0.50
		$Mz_{máx}$	0.00	0.08	0.17	0.25	0.33	0.42	0.50

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
N191/N36	Aço laminado	$N_{mín}$	-17.010	-17.006	-17.002	-16.998	-16.994	-16.990	-16.986
		$N_{máx}$	2.720	2.726	2.731	2.736	2.741	2.746	2.752
		$Vy_{mín}$	-0.382	-0.382	-0.382	-0.382	-0.382	-0.382	-0.382
		$Vy_{máx}$	0.381	0.381	0.381	0.381	0.381	0.381	0.381
		$Vz_{mín}$	-0.292	-0.240	-0.188	-0.137	-0.097	-0.057	-0.017
		$Vz_{máx}$	0.045	0.085	0.143	0.203	0.263	0.324	0.384
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.10	0.08	0.06	0.03	-0.01	-0.06	-0.12
		$My_{máx}$	0.59	0.64	0.69	0.73	0.75	0.76	0.76
		$Mz_{mín}$	-0.50	-0.58	-0.66	-0.75	-0.83	-0.91	-1.00
		$Mz_{máx}$	0.50	0.58	0.67	0.75	0.83	0.91	1.00

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Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
N34/N190	Aço laminado	$N_{mín}$	-26.089	-26.086	-26.082	-26.078	-26.074	-26.070	-26.066
		$N_{máx}$	2.322	2.327	2.332	2.337	2.342	2.348	2.353
		$Vy_{mín}$	-0.296	-0.296	-0.296	-0.296	-0.296	-0.296	-0.296
		$Vy_{máx}$	0.275	0.275	0.275	0.275	0.275	0.275	0.275
		$Vz_{mín}$	-0.346	-0.294	-0.242	-0.190	-0.138	-0.092	-0.052
		$Vz_{máx}$	0.002	0.042	0.083	0.123	0.164	0.224	0.284
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	-0.02	-0.04	-0.07	-0.11	-0.16
		$My_{máx}$	0.00	0.07	0.13	0.17	0.21	0.23	0.25
		$Mz_{mín}$	0.00	-0.06	-0.12	-0.18	-0.24	-0.30	-0.36
		$Mz_{máx}$	0.00	0.06	0.13	0.19	0.26	0.32	0.39

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
N190/N35	Aço laminado	$N_{mín}$	-26.066	-26.062	-26.058	-26.054	-26.050	-26.046	-26.042
		$N_{máx}$	2.353	2.358	2.363	2.368	2.373	2.379	2.384
		$Vy_{mín}$	-0.296	-0.296	-0.296	-0.296	-0.296	-0.296	-0.296
		$Vy_{máx}$	0.275	0.275	0.275	0.275	0.275	0.275	0.275
		$Vz_{mín}$	-0.052	-0.012	0.028	0.068	0.108	0.148	0.188
		$Vz_{máx}$	0.284	0.345	0.405	0.465	0.525	0.585	0.645
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	-0.16	-0.22	-0.29	-0.38	-0.49	-0.61	-0.74
		$My_{máx}$	0.25	0.25	0.24	0.22	0.20	0.17	0.14
		$Mz_{mín}$	-0.36	-0.42	-0.48	-0.54	-0.60	-0.66	-0.72
		$Mz_{máx}$	0.39	0.45	0.52	0.58	0.65	0.71	0.77

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
N32/N189	Aço laminado	$N_{mín}$	-27.832	-27.828	-27.824	-27.820	-27.816	-27.812	-27.808
		$N_{máx}$	-0.305	-0.299	-0.293	-0.287	-0.281	-0.275	-0.270
		$Vy_{mín}$	-0.450	-0.450	-0.450	-0.450	-0.450	-0.450	-0.450
		$Vy_{máx}$	0.366	0.366	0.366	0.366	0.366	0.366	0.366
		$Vz_{mín}$	-0.173	-0.121	-0.068	-0.026	0.014	0.054	0.094
		$Vz_{máx}$	0.198	0.238	0.294	0.355	0.415	0.475	0.535
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	-0.05	-0.10	-0.17	-0.26	-0.35	-0.46
		$My_{máx}$	0.00	0.03	0.05	0.06	0.06	0.05	0.03
		$Mz_{mín}$	0.00	-0.08	-0.16	-0.24	-0.32	-0.40	-0.48
		$Mz_{máx}$	0.00	0.10	0.20	0.29	0.39	0.49	0.59

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Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.218 m	0.435 m	0.653 m	0.871 m	1.089 m	1.306 m
N189/N34	Aço laminado	$N_{mín}$	-27.808	-27.804	-27.800	-27.796	-27.792	-27.788	-27.784
		$N_{máx}$	-0.270	-0.264	-0.258	-0.252	-0.246	-0.240	-0.234
		$Vy_{mín}$	-0.450	-0.450	-0.450	-0.450	-0.450	-0.450	-0.450
		$Vy_{máx}$	0.366	0.366	0.366	0.366	0.366	0.366	0.366
		$Vz_{mín}$	0.094	0.134	0.174	0.214	0.254	0.294	0.334
		$Vz_{máx}$	0.535	0.595	0.655	0.715	0.775	0.836	0.896
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	-0.46	-0.59	-0.72	-0.87	-1.03	-1.21	-1.40
		$My_{máx}$	0.03	0.01	-0.02	-0.07	-0.12	-0.18	-0.25
		$Mz_{mín}$	-0.48	-0.56	-0.64	-0.72	-0.80	-0.88	-0.96
		$Mz_{máx}$	0.59	0.69	0.78	0.88	0.98	1.08	1.18

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N219/N46	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	8.160	8.160	8.160	8.160	8.160	8.160	8.160	8.160	8.160
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N47/N220	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	25.459	25.459	25.459	25.459	25.459	25.459	25.459	25.459	25.459
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N218/N48	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	27.896	27.896	27.896	27.896	27.896	27.896	27.896	27.896	27.896
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N49/N221	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	42.753	42.753	42.753	42.753	42.753	42.753	42.753	42.753	42.753
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N221/N47	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	12.907	12.907	12.907	12.907	12.907	12.907	12.907	12.907	12.907
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Envoltórias dos esforços em barras										
Barra	Tipo de combinação	Esforço	Posições na barra							
			0.000 m	0.787 m	1.573 m	2.360 m	3.146 m	3.933 m	4.719 m	5.506 m	6.292 m
N48/N219	Aço laminado	$N_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$N_{máx}$	32.962	32.962	32.962	32.962	32.962	32.962	32.962	32.962	32.962
		$Vy_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vy_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{mín}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Vz_{máx}$	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		$Mt_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mt_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$My_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{mín}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		$Mz_{máx}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N218/N235	Aço laminado	$N_{mín}$	-753.585	-753.524	-753.462
		$N_{máx}$	-439.828	-439.781	-439.734
		$Vy_{mín}$	-12.904	-13.062	-13.219
		$Vy_{máx}$	13.786	13.786	13.786
		$Vz_{mín}$	-2298.385	-2297.731	-2297.077
		$Vz_{máx}$	-1329.528	-1329.024	-1328.521
		$Mt_{mín}$	-26.00	-26.00	-26.00
		$Mt_{máx}$	25.62	25.62	25.62
		$My_{mín}$	-302.13	-15.51	156.50
		$My_{máx}$	-173.28	-3.78	272.30
		$Mz_{mín}$	-29.40	-27.79	-26.16
		$Mz_{máx}$	36.43	34.72	33.00

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N235/N222	Aço laminado	$N_{mín}$	-1087.845	-1087.759	-1087.672	-1087.586	-1087.500	-1087.413	-1087.327
		$N_{máx}$	-631.193	-631.126	-631.060	-630.993	-630.927	-630.860	-630.794
		$Vy_{mín}$	-9.107	-9.329	-9.550	-9.772	-9.994	-10.215	-10.437
		$Vy_{máx}$	9.774	9.774	9.774	9.774	9.774	9.774	9.774
		$Vz_{mín}$	-130.552	-129.631	-128.711	-127.790	-126.869	-125.948	-125.027
		$Vz_{máx}$	-77.096	-76.388	-75.680	-74.971	-74.263	-73.555	-72.847
		$Mt_{mín}$	-0.76	-0.76	-0.76	-0.76	-0.76	-0.76	-0.76
		$Mt_{máx}$	0.70	0.70	0.70	0.70	0.70	0.70	0.70
		$My_{mín}$	-464.35	-441.46	-418.74	-396.17	-373.76	-351.53	-329.44
		$My_{máx}$	-258.71	-245.15	-231.72	-218.41	-205.23	-192.18	-179.24
		$Mz_{mín}$	-25.56	-23.96	-22.32	-20.65	-18.93	-17.18	-15.38
		$Mz_{máx}$	32.60	30.88	29.16	27.44	25.72	24.00	22.28

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N222/N234	Aço laminado	$N_{mín}$	-1087.327	-1087.240	-1087.154	-1087.067	-1086.981	-1086.894	-1086.808
		$N_{máx}$	-630.794	-630.727	-630.661	-630.594	-630.528	-630.461	-630.395
		$Vy_{mín}$	-10.437	-10.659	-10.880	-11.102	-11.324	-11.545	-11.767
		$Vy_{máx}$	9.774	9.774	9.774	9.774	9.774	9.774	9.774
		$Vz_{mín}$	-125.027	-124.107	-123.186	-122.265	-121.344	-120.424	-119.503
		$Vz_{máx}$	-72.847	-72.138	-71.430	-70.722	-70.013	-69.305	-68.597
		$Mt_{mín}$	-0.76	-0.76	-0.76	-0.76	-0.76	-0.76	-0.76
		$Mt_{máx}$	0.70	0.70	0.70	0.70	0.70	0.70	0.70
		$My_{mín}$	-329.44	-307.52	-285.77	-264.17	-243.69	-223.51	-203.49
		$My_{máx}$	-179.24	-166.43	-153.75	-141.19	-128.75	-116.45	-104.26
		$Mz_{mín}$	-15.38	-13.55	-11.68	-9.77	-7.85	-5.88	-3.88
		$Mz_{máx}$	22.28	20.56	18.84	17.12	15.40	13.69	12.04

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N234/N221	Aço laminado	$N_{mín}$	-1466.724	-1466.662	-1466.601
		$N_{máx}$	-841.407	-841.360	-841.313
		$Vy_{mín}$	-11.760	-11.917	-12.075

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		$Vy_{máx}$	9.790	9.790	9.790
		$Vz_{mín}$	-1464.831	-1464.177	-1463.523
		$Vz_{máx}$	-811.730	-811.227	-810.724
		$Mt_{mín}$	-0.22	-0.22	-0.22
		$Mt_{máx}$	0.17	0.17	0.17
		$My_{mín}$	-418.81	-239.00	-63.50
		$My_{máx}$	-226.60	-125.17	-18.76
		$Mz_{mín}$	-4.13	-2.69	-1.22
		$Mz_{máx}$	12.31	11.14	9.98

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N221/N233	Aço laminado	$N_{mín}$	-1460.021	-1459.992	-1459.964
		$N_{máx}$	-838.662	-838.640	-838.619
		$Vy_{mín}$	0.416	0.416	0.416
		$Vy_{máx}$	2.993	2.993	2.993
		$Vz_{mín}$	-1461.310	-1461.009	-1460.707
		$Vz_{máx}$	-809.022	-808.790	-808.558
		$Mt_{mín}$	-0.22	-0.22	-0.22
		$Mt_{máx}$	0.17	0.17	0.17
		$My_{mín}$	-63.50	77.32	178.40
		$My_{máx}$	-18.76	129.87	312.48
		$Mz_{mín}$	-1.22	-1.36	-1.49
		$Mz_{máx}$	9.98	9.61	9.23

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N233/N223	Aço laminado	$N_{mín}$	-1602.235	-1602.195	-1602.155	-1602.115	-1602.075	-1602.035	-1601.996
		$N_{máx}$	-918.282	-918.251	-918.220	-918.190	-918.159	-918.128	-918.098
		$Vy_{mín}$	0.416	0.416	0.416	0.248	0.026	-0.195	-0.417
		$Vy_{máx}$	2.989	2.989	2.989	2.989	2.989	2.989	2.989
		$Vz_{mín}$	-24.088	-23.664	-23.319	-22.992	-22.666	-22.340	-22.013
		$Vz_{máx}$	-10.241	-9.914	-9.457	-8.968	-8.478	-7.989	-7.499
		$Mt_{mín}$	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		$Mt_{máx}$	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		$My_{mín}$	40.46	42.75	44.46	46.12	47.72	49.27	50.75
		$My_{máx}$	69.22	72.00	74.70	78.60	82.57	86.48	90.30
		$Mz_{mín}$	-1.51	-1.65	-1.75	-1.82	-1.84	-1.83	-1.77
		$Mz_{máx}$	9.26	8.73	8.20	7.68	7.15	6.63	6.10

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N223/N232	Aço laminado	$N_{mín}$	-1601.996	-1601.956	-1601.916	-1601.876	-1601.836	-1601.796	-1601.757
		$N_{máx}$	-918.098	-918.067	-918.036	-918.006	-917.975	-917.945	-917.914
		$Vy_{mín}$	-0.417	-0.639	-0.860	-1.082	-1.304	-1.525	-1.747
		$Vy_{máx}$	2.989	2.989	2.989	2.989	2.989	2.989	2.989
		$Vz_{mín}$	-22.013	-21.687	-21.360	-21.034	-20.708	-20.381	-20.055

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Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		$Vz_{máx}$	-7.499	-7.009	-6.520	-6.030	-5.541	-5.051	-4.562
		$Mt_{mín}$	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		$Mt_{máx}$	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		$My_{mín}$	50.75	52.18	53.55	54.87	56.12	57.32	58.46
		$My_{máx}$	90.30	94.06	97.73	101.34	104.87	108.32	111.70
		$Mz_{mín}$	-1.77	-1.68	-1.55	-1.38	-1.17	-0.92	-0.63
		$Mz_{máx}$	6.10	5.57	5.05	4.52	4.00	3.47	2.94

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N232/N219	Aço laminado	$N_{mín}$	-1923.792	-1923.763	-1923.735
		$N_{máx}$	-1098.760	-1098.738	-1098.716
		$Vy_{mín}$	-1.755	-1.912	-2.070
		$Vy_{máx}$	2.992	2.992	2.992
		$Vz_{mín}$	-1117.591	-1117.290	-1116.989
		$Vz_{máx}$	-603.829	-603.597	-603.365
		$Mt_{mín}$	-0.13	-0.13	-0.13
		$Mt_{máx}$	0.14	0.14	0.14
		$My_{mín}$	-131.94	3.58	90.84
		$My_{máx}$	-59.77	33.54	170.82
		$Mz_{mín}$	-0.67	-0.44	-0.19
		$Mz_{máx}$	2.99	2.62	2.24

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N219/N231	Aço laminado	$N_{mín}$	-1919.023	-1918.995	-1918.966
		$N_{máx}$	-1092.696	-1092.674	-1092.653
		$Vy_{mín}$	-0.096	-0.096	-0.096
		$Vy_{máx}$	2.053	1.896	1.738
		$Vz_{mín}$	-1114.776	-1114.475	-1114.173
		$Vz_{máx}$	-601.663	-601.431	-601.199
		$Mt_{mín}$	-0.13	-0.13	-0.13
		$Mt_{máx}$	0.14	0.14	0.14
		$My_{mín}$	90.84	166.03	241.19
		$My_{máx}$	170.82	307.78	444.71
		$Mz_{mín}$	-0.19	-0.44	-0.66
		$Mz_{máx}$	2.24	2.24	2.24

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N231/N224	Aço laminado	$N_{mín}$	-2028.333	-2028.293	-2028.253	-2028.213	-2028.174	-2028.134	-2028.094
		$N_{máx}$	-1155.380	-1155.350	-1155.319	-1155.288	-1155.258	-1155.227	-1155.197
		$Vy_{mín}$	-0.103	-0.103	-0.103	-0.103	-0.103	-0.103	-0.103
		$Vy_{máx}$	1.657	1.435	1.213	0.992	0.770	0.548	0.327
		$Vz_{mín}$	10.857	11.183	11.509	11.836	12.162	12.488	12.815
		$Vz_{máx}$	19.968	20.392	20.816	21.241	21.665	22.089	22.513
		$Mt_{mín}$	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02

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Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		$Mt_{máx}$	0.11	0.11	0.11	0.11	0.11	0.11	0.11
		$My_{mín}$	133.28	131.33	129.32	127.26	125.14	122.96	120.72
		$My_{máx}$	251.49	248.20	244.84	241.41	237.90	234.32	230.66
		$Mz_{mín}$	-0.69	-0.96	-1.19	-1.38	-1.53	-1.65	-1.72
		$Mz_{máx}$	2.28	2.28	2.29	2.29	2.30	2.30	2.30

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N224/N230	Aço laminado	$N_{mín}$	-2028.094	-2028.054	-2028.014	-2027.974	-2027.935	-2027.895	-2027.855
		$N_{máx}$	-1155.197	-1155.166	-1155.135	-1155.105	-1155.074	-1155.043	-1155.013
		$Vy_{mín}$	-0.103	-0.103	-0.133	-0.355	-0.577	-0.799	-1.020
		$Vy_{máx}$	0.327	0.146	0.146	0.146	0.146	0.146	0.146
		$Vz_{mín}$	12.815	13.141	13.467	13.794	14.120	14.447	14.773
		$Vz_{máx}$	22.513	22.938	23.362	23.786	24.210	24.635	25.059
		$Mt_{mín}$	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		$Mt_{máx}$	0.11	0.11	0.11	0.11	0.11	0.11	0.11
		$My_{mín}$	120.72	118.43	116.08	113.67	111.20	108.68	106.10
		$My_{máx}$	230.66	226.92	223.12	219.23	215.27	211.24	207.14
		$Mz_{mín}$	-1.72	-1.76	-1.75	-1.71	-1.63	-1.51	-1.35
		$Mz_{máx}$	2.30	2.32	2.33	2.35	2.37	2.39	2.41

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N230/N220	Aço laminado	$N_{mín}$	-2219.385	-2219.357	-2219.329
		$N_{máx}$	-1268.539	-1268.517	-1268.495
		$Vy_{mín}$	-4.944	-5.101	-5.259
		$Vy_{máx}$	0.147	0.147	0.147
		$Vz_{mín}$	-693.516	-693.215	-692.913
		$Vz_{máx}$	-346.514	-346.282	-346.050
		$Mt_{mín}$	-0.23	-0.23	-0.23
		$Mt_{máx}$	0.20	0.20	0.20
		$My_{mín}$	26.49	76.35	119.62
		$My_{máx}$	81.73	153.93	226.09
		$Mz_{mín}$	-1.39	-0.76	-0.41
		$Mz_{máx}$	2.50	2.51	2.53

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N220/N229	Aço laminado	$N_{mín}$	-2216.749	-2216.720	-2216.692
		$N_{máx}$	-1260.225	-1260.203	-1260.181
		$Vy_{mín}$	-1.094	-1.252	-1.409
		$Vy_{máx}$	9.536	9.536	9.536
		$Vz_{mín}$	-690.701	-690.399	-690.098
		$Vz_{máx}$	-344.348	-344.116	-343.884
		$Mt_{mín}$	-0.23	-0.23	-0.23
		$Mt_{máx}$	0.20	0.20	0.20
		$My_{mín}$	119.62	162.65	205.65

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		$My_{máx}$	226.09	299.19	385.47
		$Mz_{mín}$	-0.41	-0.42	-0.42
		$Mz_{máx}$	2.53	1.36	0.20

Envoltórias dos esforços em barras								
Barra	Tipo de combinação	Esforço	Posições na barra					
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N229/N225	Aço laminado	$N_{mín}$	-2282.318	-2282.278	-2282.238	-2282.199	-2282.159	-2282.119	-2282.079
		$N_{máx}$	-1294.590	-1294.559	-1294.529	-1294.498	-1294.467	-1294.437	-1294.406
		$Vy_{mín}$	-5.308	-5.529	-5.751	-5.973	-6.194	-6.416	-6.638
		$Vy_{máx}$	9.568	9.568	9.568	9.568	9.568	9.568	9.568
		$Vz_{mín}$	28.673	28.999	29.325	29.652	29.978	30.304	30.631
		$Vz_{máx}$	53.251	53.676	54.100	54.524	54.948	55.372	55.797
		$Mt_{mín}$	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
		$Mt_{máx}$	0.06	0.06	0.06	0.06	0.06	0.06	0.06
		$My_{mín}$	151.95	146.86	141.72	136.52	131.26	125.95	120.58
		$My_{máx}$	281.97	272.56	263.08	253.53	243.89	234.19	224.41
		$Mz_{mín}$	-0.42	-1.61	-3.27	-4.95	-6.63	-8.32	-10.00
		$Mz_{máx}$	0.26	1.10	2.09	3.12	4.19	5.30	6.45

Envoltórias dos esforços em barras								
Barra	Tipo de combinação	Esforço	Posições na barra					
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N225/N228	Aço laminado	$N_{mín}$	-2282.079	-2282.039	-2281.999	-2281.960	-2281.920	-2281.880	-2281.840
		$N_{máx}$	-1294.406	-1294.375	-1294.345	-1294.314	-1294.283	-1294.253	-1294.222
		$Vy_{mín}$	-6.638	-6.860	-7.081	-7.303	-7.525	-7.746	-7.968
		$Vy_{máx}$	9.568	9.568	9.568	9.568	9.568	9.568	9.568
		$Vz_{mín}$	30.631	30.957	31.284	31.610	31.936	32.263	32.589
		$Vz_{máx}$	55.797	56.221	56.645	57.070	57.494	57.918	58.342
		$Mt_{mín}$	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
		$Mt_{máx}$	0.06	0.06	0.06	0.06	0.06	0.06	0.06
		$My_{mín}$	120.58	115.15	109.66	104.12	98.51	92.86	87.14
		$My_{máx}$	224.41	215.14	206.04	196.86	187.61	178.29	168.88
		$Mz_{mín}$	-10.00	-11.68	-13.37	-15.05	-16.73	-18.42	-20.10
		$Mz_{máx}$	6.45	7.64	8.86	10.13	11.43	12.78	14.16

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N228/N7	Aço laminado	$N_{mín}$	-2303.834	-2303.805	-2303.777
		$N_{máx}$	-1301.739	-1301.718	-1301.696
		$Vy_{mín}$	-11.819	-11.976	-12.134
		$Vy_{máx}$	9.394	9.394	9.394
		$Vz_{mín}$	-3.605	-3.373	-3.141
		$Vz_{máx}$	147.337	147.638	147.940
		$Mt_{mín}$	-1.64	-1.64	-1.64
		$Mt_{máx}$	1.30	1.30	1.30
		$My_{mín}$	66.03	60.03	54.01
		$My_{máx}$	137.80	119.36	113.09
		$Mz_{mín}$	-19.70	-20.88	-22.05
		$Mz_{máx}$	13.85	15.34	16.85

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N16/N238	Aço laminado	$N_{mín}$	-1420.391	-1420.362	-1420.334
		$N_{máx}$	-805.093	-805.072	-805.050
		$Vy_{mín}$	-4.927	-4.770	-4.612
		$Vy_{máx}$	-0.405	-0.405	-0.405
		$Vz_{mín}$	-1467.928	-1467.626	-1467.325
		$Vz_{máx}$	-805.621	-805.389	-805.157
		$Mt_{mín}$	-0.24	-0.24	-0.24
		$Mt_{máx}$	0.15	0.15	0.15
		$My_{mín}$	-136.20	30.08	132.29
		$My_{máx}$	-69.06	64.10	236.94
		$Mz_{mín}$	-6.08	-5.82	-5.56
		$Mz_{máx}$	3.98	4.57	5.14

Envoltórias dos esforços em barras								
Barra	Tipo de combinação	Esforço	Posições na barra					
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N238/N15	Aço laminado	$N_{mín}$	-1557.190	-1557.150	-1557.110	-1557.070	-1557.031	-1556.991	-1556.951
		$N_{máx}$	-881.552	-881.521	-881.490	-881.460	-881.429	-881.398	-881.368
		$Vy_{mín}$	-2.067	-2.067	-2.067	-2.067	-2.067	-2.067	-2.067
		$Vy_{máx}$	-0.405	-0.328	-0.107	0.115	0.337	0.558	0.780
		$Vz_{mín}$	-46.486	-46.061	-45.637	-45.213	-44.789	-44.364	-43.940
		$Vz_{máx}$	-23.330	-23.003	-22.677	-22.350	-22.024	-21.698	-21.371
		$Mt_{mín}$	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		$Mt_{máx}$	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		$My_{mín}$	-8.42	-1.88	3.88	9.60	15.25	20.85	26.39
		$My_{máx}$	21.50	27.16	33.46	39.68	45.83	51.91	57.91
		$Mz_{mín}$	-5.58	-5.22	-4.86	-4.49	-4.13	-3.77	-3.40
		$Mz_{máx}$	5.17	5.25	5.29	5.29	5.25	5.17	5.05

Envoltórias dos esforços em barras								
Barra	Tipo de combinação	Esforço	Posições na barra					
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N15/N239	Aço laminado	$N_{mín}$	-1556.951	-1556.911	-1556.871	-1556.831	-1556.792	-1556.752	-1556.712
		$N_{máx}$	-881.368	-881.337	-881.306	-881.276	-881.245	-881.215	-881.184
		$Vy_{mín}$	-2.067	-2.067	-2.067	-2.067	-2.067	-2.067	-2.067
		$Vy_{máx}$	0.780	1.002	1.223	1.445	1.667	1.888	2.110
		$Vz_{mín}$	-43.940	-43.516	-43.092	-42.667	-42.243	-41.819	-41.394
		$Vz_{máx}$	-21.371	-21.045	-20.719	-20.392	-20.066	-19.740	-19.413
		$Mt_{mín}$	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		$Mt_{máx}$	0.01	0.01	0.01	0.01	0.01	0.01	0.01
		$My_{mín}$	26.39	30.82	34.58	38.28	41.93	45.52	49.05
		$My_{máx}$	57.91	63.83	69.68	76.33	83.81	91.20	98.52
		$Mz_{mín}$	-3.40	-3.04	-2.67	-2.31	-1.95	-1.58	-1.22
		$Mz_{máx}$	5.05	4.89	4.70	4.46	4.19	3.88	3.53

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N239/N14	Aço laminado	$N_{mín}$	-1872.897	-1872.869	-1872.840
		$N_{máx}$	-1059.168	-1059.146	-1059.124

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		$Vy_{mín}$	-2.070	-2.070	-2.070
		$Vy_{máx}$	6.141	6.299	6.456
		$Vz_{mín}$	-1121.038	-1120.737	-1120.435
		$Vz_{máx}$	-606.003	-605.771	-605.539
		$Mt_{mín}$	-0.09	-0.09	-0.09
		$Mt_{máx}$	0.11	0.11	0.11
		$My_{mín}$	-141.85	-3.91	84.14
		$My_{máx}$	-67.31	23.85	161.53
		$Mz_{mín}$	-1.26	-1.00	-0.74
		$Mz_{máx}$	3.54	2.77	1.97

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N14/N240	Aço laminado	$N_{mín}$	-1868.031	-1868.003	-1867.975
		$N_{máx}$	-1049.085	-1049.063	-1049.042
		$Vy_{mín}$	-4.741	-4.584	-4.426
		$Vy_{máx}$	0.668	0.668	0.668
		$Vz_{mín}$	-1118.223	-1117.921	-1117.620
		$Vz_{máx}$	-603.837	-603.605	-603.373
		$Mt_{mín}$	-0.09	-0.09	-0.09
		$Mt_{máx}$	0.11	0.11	0.11
		$My_{mín}$	84.14	159.60	235.04
		$My_{máx}$	161.53	298.90	436.23
		$Mz_{mín}$	-0.74	-0.81	-0.88
		$Mz_{máx}$	1.97	2.55	3.11

Envoltórias dos esforços em barras								
Barra	Tipo de combinação	Esforço	Posições na barra					
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N240/N13	Aço laminado	$N_{mín}$	-1977.659	-1977.619	-1977.580	-1977.540	-1977.500	-1977.460	-1977.420
		$N_{máx}$	-1111.931	-1111.900	-1111.869	-1111.839	-1111.808	-1111.778	-1111.747
		$Vy_{mín}$	-0.529	-0.307	-0.086	0.007	0.007	0.007	0.007
		$Vy_{máx}$	0.700	0.700	0.700	0.700	0.700	0.700	0.831
		$Vz_{mín}$	9.568	9.895	10.221	10.547	10.874	11.200	11.526
		$Vz_{máx}$	18.308	18.732	19.156	19.581	20.005	20.429	20.853
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		$My_{mín}$	126.86	125.14	123.37	121.53	119.64	117.70	115.69
		$My_{máx}$	242.49	239.50	236.44	233.30	230.09	226.80	223.44
		$Mz_{mín}$	-0.92	-1.02	-1.13	-1.24	-1.35	-1.45	-1.57
		$Mz_{máx}$	3.14	3.21	3.24	3.23	3.18	3.10	2.97

Envoltórias dos esforços em barras								
Barra	Tipo de combinação	Esforço	Posições na barra					
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N13/N241	Aço laminado	$N_{mín}$	-1977.420	-1977.380	-1977.341	-1977.301	-1977.261	-1977.221	-1977.181
		$N_{máx}$	-1111.747	-1111.716	-1111.686	-1111.655	-1111.624	-1111.594	-1111.563
		$Vy_{mín}$	0.007	0.007	0.007	0.007	0.007	0.007	0.007
		$Vy_{máx}$	0.831	1.053	1.274	1.496	1.718	1.939	2.161

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Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		$Vz_{mín}$	11.526	11.853	12.179	12.505	12.832	13.158	13.484
		$Vz_{máx}$	20.853	21.278	21.702	22.126	22.551	22.975	23.399
		$Mt_{mín}$	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		$Mt_{máx}$	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		$My_{mín}$	115.69	113.63	111.51	109.34	107.10	104.81	102.47
		$My_{máx}$	223.44	220.00	216.49	212.91	209.25	205.51	201.70
		$Mz_{mín}$	-1.57	-1.69	-1.82	-1.94	-2.06	-2.19	-2.31
		$Mz_{máx}$	2.97	2.81	2.61	2.37	2.09	1.77	1.41

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N241/N12	Aço laminado	$N_{mín}$	-2172.890	-2172.862	-2172.834
		$N_{máx}$	-1229.139	-1229.118	-1229.096
		$Vy_{mín}$	0.007	0.007	0.007
		$Vy_{máx}$	6.182	6.339	6.497
		$Vz_{mín}$	-710.088	-709.786	-709.485
		$Vz_{máx}$	-357.220	-356.988	-356.756
		$Mt_{mín}$	-0.18	-0.18	-0.18
		$Mt_{máx}$	0.22	0.22	0.22
		$My_{mín}$	20.41	72.36	117.07
		$My_{máx}$	73.83	148.10	222.33
		$Mz_{mín}$	-2.40	-2.48	-2.57
		$Mz_{máx}$	1.47	0.69	0.06

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N12/N242	Aço laminado	$N_{mín}$	-2170.139	-2170.111	-2170.082
		$N_{máx}$	-1220.971	-1220.949	-1220.928
		$Vy_{mín}$	-8.075	-8.075	-8.075
		$Vy_{máx}$	2.396	2.554	2.711
		$Vz_{mín}$	-707.272	-706.971	-706.669
		$Vz_{máx}$	-355.054	-354.822	-354.590
		$Mt_{mín}$	-0.18	-0.18	-0.18
		$Mt_{máx}$	0.22	0.22	0.22
		$My_{mín}$	117.07	161.44	205.77
		$My_{máx}$	222.33	297.53	385.89
		$Mz_{mín}$	-2.57	-1.58	-0.77
		$Mz_{máx}$	0.06	0.07	0.08

Envoltórias dos esforços em barras									
Barra	Tipo de combinação	Esforço	Posições na barra						
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N242/N11	Aço laminado	$N_{mín}$	-2237.542	-2237.502	-2237.462	-2237.422	-2237.383	-2237.343	-2237.303
		$N_{máx}$	-1256.507	-1256.476	-1256.446	-1256.415	-1256.384	-1256.354	-1256.323
		$Vy_{mín}$	-8.116	-8.116	-8.116	-8.116	-8.116	-8.116	-8.116
		$Vy_{máx}$	6.600	6.822	7.043	7.265	7.487	7.709	7.930
		$Vz_{mín}$	28.306	28.632	28.958	29.285	29.611	29.938	30.264
		$Vz_{máx}$	52.795	53.219	53.644	54.068	54.492	54.916	55.341

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Envoltórias dos esforços em barras								
Barra	Tipo de combinação	Esforço	Posições na barra					
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
		$Mt_{mín}$	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06
		$Mt_{máx}$	0.05	0.05	0.05	0.05	0.05	0.05	0.05
		$My_{mín}$	149.93	144.92	139.86	134.73	129.55	124.31	119.02
		$My_{máx}$	279.01	269.68	260.29	250.81	241.26	231.63	221.93
		$Mz_{mín}$	-0.72	-1.90	-3.12	-4.38	-5.67	-7.01	-8.39
		$Mz_{máx}$	0.08	1.00	2.41	3.82	5.24	6.67	8.09

Envoltórias dos esforços em barras								
Barra	Tipo de combinação	Esforço	Posições na barra					
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N11/N243	Aço laminado	$N_{mín}$	-2237.303	-2237.263	-2237.223	-2237.183	-2237.144	-2237.104	-2237.064
		$N_{máx}$	-1256.323	-1256.293	-1256.262	-1256.231	-1256.201	-1256.170	-1256.139
		$Vy_{mín}$	-8.116	-8.116	-8.116	-8.116	-8.116	-8.116	-8.116
		$Vy_{máx}$	7.930	8.152	8.374	8.595	8.817	9.039	9.261
		$Vz_{mín}$	30.264	30.590	30.917	31.243	31.569	31.896	32.222
		$Vz_{máx}$	55.341	55.765	56.189	56.614	57.038	57.462	57.886
		$Mt_{mín}$	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06
		$Mt_{máx}$	0.05	0.05	0.05	0.05	0.05	0.05	0.05
		$My_{mín}$	119.02	113.66	108.25	102.78	97.25	91.67	86.03
		$My_{máx}$	221.93	212.76	203.74	194.64	185.47	176.22	166.90
		$Mz_{mín}$	-8.39	-9.80	-11.25	-12.75	-14.28	-15.85	-17.46
		$Mz_{máx}$	8.09	9.52	10.95	12.38	13.81	15.23	16.66

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N243/N10	Aço laminado	$N_{mín}$	-2265.360	-2265.332	-2265.304
		$N_{máx}$	-1267.723	-1267.701	-1267.679
		$Vy_{mín}$	-7.992	-7.992	-7.992
		$Vy_{máx}$	13.065	13.223	13.380
		$Vz_{mín}$	-21.014	-20.782	-20.550
		$Vz_{máx}$	124.702	125.003	125.304
		$Mt_{mín}$	-1.55	-1.55	-1.55
		$Mt_{máx}$	1.38	1.38	1.38
		$My_{mín}$	62.58	58.44	54.28
		$My_{máx}$	132.12	116.51	113.08
		$Mz_{mín}$	-17.09	-18.74	-20.40
		$Mz_{máx}$	16.32	17.32	18.32

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N18/N236	Aço laminado	$N_{mín}$	-859.445	-859.383	-859.322
		$N_{máx}$	-491.596	-491.549	-491.502
		$Vy_{mín}$	-9.471	-9.471	-9.471
		$Vy_{máx}$	9.183	9.341	9.498
		$Vz_{mín}$	-2204.491	-2203.837	-2203.183
		$Vz_{máx}$	-1250.343	-1249.840	-1249.336
		$Mt_{mín}$	-27.14	-27.14	-27.14
		$Mt_{máx}$	36.88	36.88	36.88

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		$My_{mín}$	-1147.16	-871.64	-596.20
		$My_{máx}$	-644.01	-487.75	-331.55
		$Mz_{mín}$	-20.97	-19.79	-18.61
		$Mz_{máx}$	29.02	27.88	26.71

Envoltórias dos esforços em barras								
Barra	Tipo de combinação	Esforço	Posições na barra					
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N236/N17	Aço laminado	$N_{mín}$	-1105.355	-1105.269	-1105.182	-1105.096	-1105.009	-1104.923	-1104.836
		$N_{máx}$	-628.802	-628.735	-628.669	-628.602	-628.536	-628.469	-628.403
		$Vy_{mín}$	-5.269	-5.269	-5.269	-5.269	-5.269	-5.269	-5.269
		$Vy_{máx}$	7.549	7.770	7.992	8.214	8.436	8.657	8.879
		$Vz_{mín}$	-359.008	-358.087	-357.166	-356.246	-355.325	-354.404	-353.483
		$Vz_{máx}$	-203.034	-202.326	-201.618	-200.910	-200.201	-199.493	-198.785
		$Mt_{mín}$	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83
		$Mt_{máx}$	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		$My_{mín}$	-1044.95	-981.85	-918.95	-856.18	-793.56	-731.15	-668.86
		$My_{máx}$	-580.52	-544.85	-509.32	-473.90	-438.61	-403.46	-368.41
		$Mz_{mín}$	-18.04	-17.11	-16.18	-15.25	-14.33	-13.40	-12.47
		$Mz_{máx}$	25.78	24.44	23.08	21.68	20.24	18.76	17.24

Envoltórias dos esforços em barras								
Barra	Tipo de combinação	Esforço	Posições na barra					
			0.000 m	0.176 m	0.352 m	0.528 m	0.704 m	0.880 m	1.056 m
N17/N237	Aço laminado	$N_{mín}$	-1104.836	-1104.750	-1104.664	-1104.577	-1104.491	-1104.404	-1104.318
		$N_{máx}$	-628.403	-628.336	-628.270	-628.203	-628.137	-628.070	-628.004
		$Vy_{mín}$	-5.269	-5.269	-5.269	-5.269	-5.269	-5.269	-5.269
		$Vy_{máx}$	8.879	9.101	9.322	9.544	9.766	9.987	10.209
		$Vz_{mín}$	-353.483	-352.562	-351.642	-350.721	-349.800	-348.880	-347.959
		$Vz_{máx}$	-198.785	-198.076	-197.368	-196.660	-195.952	-195.244	-194.535
		$Mt_{mín}$	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83
		$Mt_{máx}$	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		$My_{mín}$	-668.86	-606.73	-544.80	-483.00	-421.36	-359.91	-299.74
		$My_{máx}$	-368.41	-333.49	-298.71	-264.04	-229.49	-195.09	-160.79
		$Mz_{mín}$	-12.47	-11.55	-10.62	-9.69	-8.77	-7.88	-7.02
		$Mz_{máx}$	17.24	15.68	14.09	12.45	10.80	9.11	7.38

Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
N237/N16	Aço laminado	$N_{mín}$	-1427.195	-1427.134	-1427.072
		$N_{máx}$	-804.978	-804.931	-804.884
		$Vy_{mín}$	-5.252	-5.252	-5.252
		$Vy_{máx}$	14.259	14.416	14.574
		$Vz_{mín}$	-1471.448	-1470.794	-1470.140
		$Vz_{máx}$	-808.329	-807.826	-807.323
		$Mt_{mín}$	-0.24	-0.24	-0.24
		$Mt_{máx}$	0.15	0.15	0.15
		$My_{mín}$	-497.67	-315.47	-136.20
		$My_{máx}$	-271.02	-170.01	-69.06
		$Mz_{mín}$	-7.29	-6.68	-6.08

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Envoltórias dos esforços em barras					
Barra	Tipo de combinação	Esforço	Posições na barra		
			0.000 m	0.125 m	0.250 m
		$Mz_{máx}$	7.52	5.76	3.98

2.2.1.2. Flechas

Referências:

Pos.: Valor da coordenada sobre o eixo 'X' local do grupo de flecha no ponto onde se produz o valor péssimo da flecha.
L.: Distância entre dois pontos de corte consecutivos da deformada com a reta que une os nós extremos do grupo de flecha.

Flechas								
Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha ativa absoluta xy Flecha ativa relativa xy		Flecha ativa absoluta xz Flecha ativa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
N1/N4	3.558 3.558	3.67 L/(>1000)	1.582 1.582	0.78 L/(>1000)	3.558 3.558	7.21 L/(>1000)	2.768 4.349	0.02 L/(>1000)
N175/N187	3.343 3.343	1.30 L/(>1000)	1.486 1.486	0.85 L/(>1000)	3.343 3.343	2.38 L/(>1000)	2.229 2.972	0.01 L/(>1000)
N174/N173	3.086 3.086	1.67 L/(>1000)	4.629 4.629	1.14 L/(>1000)	3.086 3.086	2.09 L/(>1000)	1.543 1.543	0.01 L/(>1000)
N176/N172	2.971 2.971	1.32 L/(>1000)	1.114 1.114	1.18 L/(>1000)	2.971 2.971	1.36 L/(>1000)	1.114 1.114	0.01 L/(>1000)
N177/N171	3.085 3.085	1.54 L/(>1000)	1.543 1.543	1.20 L/(>1000)	3.085 3.085	1.58 L/(>1000)	5.014 5.014	0.01 L/(>1000)
N178/N170	2.971 2.971	1.36 L/(>1000)	4.456 4.456	1.10 L/(>1000)	2.971 2.971	1.36 L/(>1000)	1.114 1.114	0.01 L/(>1000)
N179/N169	3.085 3.085	1.61 L/(>1000)	1.542 1.542	0.97 L/(>1000)	3.085 3.085	1.64 L/(>1000)	1.542 1.542	0.01 L/(>1000)
N180/N168	2.970 2.970	1.38 L/(>1000)	4.455 4.455	0.67 L/(>1000)	2.970 2.970	1.38 L/(>1000)	4.455 4.455	0.01 L/(>1000)
N181/N167	3.096 3.096	1.77 L/(>1000)	1.548 1.548	0.52 L/(>1000)	3.096 3.096	1.98 L/(>1000)	1.935 1.935	0.01 L/(>1000)
N182/N166	3.071 3.071	1.70 L/(>1000)	4.223 4.223	0.25 L/(>1000)	3.071 3.071	1.83 L/(>1000)	2.687 1.152	0.01 L/(>1000)
N183/N165	3.108 3.108	1.83 L/(>1000)	3.496 3.496	0.24 L/(>1000)	3.108 3.108	2.08 L/(>1000)	4.661 4.661	0.01 L/(>1000)
N205/N228	3.054 3.054	1.74 L/(>1000)	1.527 1.527	0.43 L/(>1000)	3.054 3.054	2.04 L/(>1000)	1.527 1.527	0.02 L/(>1000)
N204/N229	2.963 2.963	1.30 L/(>1000)	4.444 4.444	0.61 L/(>1000)	2.963 2.963	1.29 L/(>1000)	4.444 4.444	0.02 L/(>1000)
N207/N230	3.043 3.043	1.46 L/(>1000)	1.521 1.521	0.91 L/(>1000)	3.043 3.043	1.52 L/(>1000)	1.521 1.521	0.02 L/(>1000)
N206/N231	2.598 2.598	0.08 L/(>1000)	4.454 4.454	1.07 L/(>1000)	2.598 2.598	0.08 L/(>1000)	4.825 4.825	0.02 L/(>1000)
N209/N232	3.050 3.050	0.02 L/(>1000)	1.525 1.525	1.21 L/(>1000)	3.050 3.050	0.03 L/(>1000)	4.956 4.956	0.02 L/(>1000)
N208/N233	2.976 2.976	0.01 L/(>1000)	4.836 4.836	1.20 L/(>1000)	2.604 3.348	0.01 L/(>1000)	1.116 1.488	0.02 L/(>1000)
N211/N234	3.056 3.056	0.24 L/(>1000)	4.585 4.585	1.24 L/(>1000)	3.056 3.056	0.47 L/(>1000)	4.585 4.585	0.02 L/(>1000)
N210/N235	3.356 3.356	0.81 L/(>1000)	4.848 4.848	0.79 L/(>1000)	3.356 3.356	1.58 L/(>1000)	1.119 1.119	0.01 L/(>1000)
N196/N218	3.520	4.05	3.520	1.83	3.520	7.94	3.129	0.04

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Flechas								
Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha ativa absoluta xy Flecha ativa relativa xy		Flecha ativa absoluta xz Flecha ativa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
	3.520	L/(>1000)	3.520	L/(>1000)	3.520	L/(>1000)	3.129	L/(>1000)
N2/N8	3.558 3.558	4.30 L/(>1000)	1.582 1.582	0.79 L/(>1000)	3.558 3.558	7.21 L/(>1000)	2.768 4.349	0.02 L/(>1000)
N155/N154	3.343 3.343	1.52 L/(>1000)	1.486 1.486	0.84 L/(>1000)	3.343 3.343	2.38 L/(>1000)	2.229 4.086	0.01 L/(>1000)
N156/N153	3.086 3.086	1.72 L/(>1000)	4.629 4.629	1.13 L/(>1000)	3.086 3.086	2.09 L/(>1000)	1.543 1.543	0.01 L/(>1000)
N158/N152	2.971 2.971	1.33 L/(>1000)	1.114 1.114	1.17 L/(>1000)	2.971 2.971	1.37 L/(>1000)	1.114 1.114	0.01 L/(>1000)
N157/N151	3.085 3.085	1.53 L/(>1000)	1.543 1.543	1.18 L/(>1000)	3.085 3.085	1.58 L/(>1000)	5.014 5.014	0.01 L/(>1000)
N159/N150	2.971 2.971	1.35 L/(>1000)	4.456 4.456	1.08 L/(>1000)	2.971 2.971	1.35 L/(>1000)	1.114 1.114	0.01 L/(>1000)
N160/N149	3.085 3.085	1.61 L/(>1000)	1.542 1.542	0.95 L/(>1000)	3.085 3.085	1.64 L/(>1000)	1.542 1.542	0.01 L/(>1000)
N161/N148	2.970 2.970	1.35 L/(>1000)	4.455 4.455	0.66 L/(>1000)	2.970 2.970	1.35 L/(>1000)	4.455 4.455	0.01 L/(>1000)
N162/N147	3.096 3.096	1.78 L/(>1000)	1.548 1.548	0.50 L/(>1000)	3.096 3.096	1.98 L/(>1000)	1.935 1.935	0.01 L/(>1000)
N163/N146	3.071 3.071	1.73 L/(>1000)	4.223 4.223	0.24 L/(>1000)	3.071 3.071	1.83 L/(>1000)	2.687 0.768	0.01 L/(>1000)
N164/N145	3.108 3.108	1.89 L/(>1000)	3.885 3.885	0.25 L/(>1000)	3.108 3.108	2.08 L/(>1000)	4.661 4.661	0.01 L/(>1000)
N226/N243	3.054 3.054	1.78 L/(>1000)	1.527 1.527	0.45 L/(>1000)	3.054 3.054	2.04 L/(>1000)	1.527 1.527	0.02 L/(>1000)
N227/N242	2.963 2.963	1.30 L/(>1000)	4.444 4.444	0.63 L/(>1000)	2.963 2.963	1.30 L/(>1000)	4.444 4.444	0.02 L/(>1000)
N216/N241	3.043 3.043	1.57 L/(>1000)	1.521 1.521	0.92 L/(>1000)	3.043 3.043	1.62 L/(>1000)	1.521 1.521	0.02 L/(>1000)
N217/N240	2.969 2.969	1.38 L/(>1000)	4.454 4.454	1.07 L/(>1000)	2.969 2.969	1.38 L/(>1000)	4.825 4.825	0.02 L/(>1000)
N214/N239	3.050 3.050	1.55 L/(>1000)	1.144 1.144	1.15 L/(>1000)	3.050 3.050	1.56 L/(>1000)	4.574 4.574	0.02 L/(>1000)
N215/N238	2.976 2.976	1.40 L/(>1000)	1.116 1.116	1.13 L/(>1000)	2.976 2.976	1.40 L/(>1000)	1.488 1.488	0.02 L/(>1000)
N212/N237	3.056 3.056	1.67 L/(>1000)	4.585 4.585	1.11 L/(>1000)	3.056 3.056	1.90 L/(>1000)	1.146 1.146	0.02 L/(>1000)
N213/N236	3.356 3.356	1.48 L/(>1000)	1.492 1.492	0.90 L/(>1000)	3.356 3.356	2.31 L/(>1000)	2.237 4.102	0.03 L/(>1000)
N3/N18	3.520 3.520	4.49 L/(>1000)	1.956 1.956	0.96 L/(>1000)	3.520 3.520	7.52 L/(>1000)	2.347 5.085	0.06 L/(>1000)
N1/N2	5.725 5.725	0.11 L/(>1000)	5.725 5.725	15.75 L/726.8	5.725 -	0.00 L/(>1000)	5.725 -	0.00 L/(>1000)
N19/N23	6.764 -	0.00 L/(>1000)	5.725 5.725	21.42 L/534.5	7.836 -	0.00 L/(>1000)	5.725 -	0.00 L/(>1000)
N98/N100	5.313 -	0.00 L/(>1000)	5.725 5.725	26.57 L/430.9	5.725 -	0.00 L/(>1000)	6.138 -	0.00 L/(>1000)
N22/N24	6.138 6.138	0.23 L/(>1000)	5.725 5.725	26.44 L/433.1	8.050 8.050	0.03 L/(>1000)	4.900 4.900	0.00 L/(>1000)
N198/N26	5.725 5.725	0.75 L/(>1000)	5.725 5.725	26.54 L/431.4	8.050 8.050	0.01 L/(>1000)	3.400 3.400	0.04 L/(>1000)
N197/N28	5.725	1.66	5.519	32.72	8.050	0.02	3.400	0.02

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Flechas								
Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha ativa absoluta xy Flecha ativa relativa xy		Flecha ativa absoluta xz Flecha ativa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
	5.725	L/(>1000)	5.519	L/349.9	8.050	L/(>1000)	3.400	L/(>1000)
N199/N30	5.106 5.106	0.20 L/(>1000)	5.519 5.519	39.10 L/292.8	8.050 8.050	0.03 L/(>1000)	8.050 8.050	0.06 L/(>1000)
N196/N3	5.725 5.725	0.10 L/(>1000)	5.519 5.519	22.73 L/503.7	8.050 8.050	0.00 L/(>1000)	8.050 8.050	0.00 L/(>1000)
N4/N8	5.367 5.367	1.43 L/(>1000)	2.505 2.505	10.56 L/586.1	1.431 0.716	0.51 L/(>1000)	2.505 2.505	17.29 L/614.6
N5/N9	5.725 5.725	0.03 L/(>1000)	3.578 3.578	0.87 L/(>1000)	5.725 5.725	0.00 L/(>1000)	5.725 5.725	0.02 L/(>1000)
N7/N10	5.725 5.725	0.39 L/(>1000)	5.725 5.725	4.24 L/(>1000)	5.725 5.725	0.00 L/(>1000)	5.725 5.725	0.03 L/(>1000)
N220/N12	5.725 5.725	0.81 L/(>1000)	5.725 5.725	14.71 L/778.2	5.725 5.725	0.01 L/(>1000)	5.725 -	0.00 L/(>1000)
N219/N14	5.725 5.725	0.29 L/(>1000)	5.725 5.725	14.72 L/777.8	5.725 5.725	0.01 L/(>1000)	5.725 -	0.00 L/(>1000)
N221/N16	5.725 5.725	0.15 L/(>1000)	5.725 5.725	14.73 L/777.5	5.725 5.725	0.01 L/(>1000)	5.725 -	0.00 L/(>1000)
N218/N18	6.441 6.441	1.68 L/(>1000)	2.505 2.505	11.89 L/537.5	7.514 7.514	0.96 L/(>1000)	2.505 2.505	19.54 L/562.9
N39/N38	0.188 -	0.00 L/(>1000)	1.313 1.313	0.04 L/(>1000)	0.188 -	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)
N40/N39	1.876 -	0.00 L/(>1000)	1.313 1.313	0.04 L/(>1000)	0.563 -	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)
N41/N40	1.126 -	0.00 L/(>1000)	1.313 1.313	0.04 L/(>1000)	0.750 -	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)
N42/N41	2.064 -	0.00 L/(>1000)	1.313 1.313	0.04 L/(>1000)	2.064 -	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)
N43/N186	0.563 -	0.00 L/(>1000)	1.313 1.313	0.04 L/(>1000)	0.563 -	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)
N186/N185	2.439 -	0.00 L/(>1000)	1.313 1.313	0.04 L/(>1000)	1.126 -	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)
N185/N184	1.501 -	0.00 L/(>1000)	1.313 1.313	0.04 L/(>1000)	1.126 -	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)
N184/N44	2.064 -	0.00 L/(>1000)	1.313 1.313	0.04 L/(>1000)	1.688 -	0.00 L/(>1000)	2.439 -	0.00 L/(>1000)
N44/N45	2.417 -	0.00 L/(>1000)	1.301 1.301	0.04 L/(>1000)	1.115 -	0.00 L/(>1000)	0.186 -	0.00 L/(>1000)
N8/N186	3.149 -	0.00 L/(>1000)	5.118 -	0.00 L/(>1000)	3.149 -	0.00 L/(>1000)	5.905 -	0.00 L/(>1000)
N4/N186	1.181 -	0.00 L/(>1000)	5.118 -	0.00 L/(>1000)	3.149 -	0.00 L/(>1000)	2.756 -	0.00 L/(>1000)
N115/N185	5.118 -	0.00 L/(>1000)	4.724 -	0.00 L/(>1000)	1.181 -	0.00 L/(>1000)	4.330 -	0.00 L/(>1000)
N121/N185	3.543 -	0.00 L/(>1000)	3.543 -	0.00 L/(>1000)	3.543 -	0.00 L/(>1000)	5.118 -	0.00 L/(>1000)
N113/N184	5.511 -	0.00 L/(>1000)	3.937 -	0.00 L/(>1000)	1.181 -	0.00 L/(>1000)	4.330 -	0.00 L/(>1000)
N120/N184	2.756 -	0.00 L/(>1000)	3.937 -	0.00 L/(>1000)	4.724 -	0.00 L/(>1000)	1.181 -	0.00 L/(>1000)
N114/N44	3.543 -	0.00 L/(>1000)	3.149 -	0.00 L/(>1000)	2.362 -	0.00 L/(>1000)	5.905 -	0.00 L/(>1000)
N122/N44	2.362	0.00	3.149	0.00	1.575	0.00	2.756	0.00

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Flechas								
Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha ativa absoluta xy Flecha ativa relativa xy		Flecha ativa absoluta xz Flecha ativa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
	-	L/(>1000)	-	L/(>1000)	-	L/(>1000)	-	L/(>1000)
N220/N45	5.506 -	0.00 L/(>1000)	5.113 -	0.00 L/(>1000)	0.393 -	0.00 L/(>1000)	3.933 -	0.00 L/(>1000)
N12/N45	5.899 -	0.00 L/(>1000)	3.933 -	0.00 L/(>1000)	5.899 -	0.00 L/(>1000)	2.753 -	0.00 L/(>1000)
N14/N46	5.506 -	0.00 L/(>1000)	5.506 -	0.00 L/(>1000)	5.506 -	0.00 L/(>1000)	5.506 -	0.00 L/(>1000)
N16/N47	5.506 -	0.00 L/(>1000)	5.506 -	0.00 L/(>1000)	3.146 -	0.00 L/(>1000)	4.719 -	0.00 L/(>1000)
N18/N48	5.506 -	0.00 L/(>1000)	3.933 -	0.00 L/(>1000)	5.506 -	0.00 L/(>1000)	3.540 -	0.00 L/(>1000)
N19/N20	0.776 0.776	0.01 L/(>1000)	0.600 0.600	0.10 L/(>1000)	0.776 0.776	0.02 L/(>1000)	0.600 0.600	0.00 L/(>1000)
N20/N98	0.701 0.701	0.03 L/(>1000)	0.526 0.526	0.04 L/(>1000)	0.701 0.701	0.04 L/(>1000)	0.701 1.051	0.00 L/(>1000)
N98/N21	0.600 0.600	0.02 L/(>1000)	0.776 0.776	0.05 L/(>1000)	0.600 0.600	0.03 L/(>1000)	0.776 0.776	0.00 L/(>1000)
N23/N102	0.600 0.600	0.02 L/(>1000)	0.600 0.600	0.09 L/(>1000)	0.776 0.600	0.02 L/(>1000)	0.600 0.600	0.00 L/(>1000)
N102/N100	0.701 0.701	0.02 L/(>1000)	0.526 0.526	0.04 L/(>1000)	0.701 0.701	0.04 L/(>1000)	0.701 1.176	0.00 L/(>1000)
N100/N101	0.600 0.600	0.02 L/(>1000)	0.776 0.776	0.04 L/(>1000)	0.600 0.600	0.03 L/(>1000)	0.776 0.776	0.00 L/(>1000)
N37/N36	2.231 -	0.00 L/(>1000)	1.301 1.301	0.04 L/(>1000)	1.487 -	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)
N38/N37	1.673 -	0.00 L/(>1000)	1.301 1.301	0.04 L/(>1000)	1.487 -	0.00 L/(>1000)	0.000 -	0.00 L/(>1000)
N5/N6	0.600 0.600	0.07 L/(>1000)	0.425 0.425	0.11 L/(>1000)	0.600 0.600	0.12 L/(>1000)	0.776 0.776	0.00 L/(>1000)
N6/N7	0.701 0.701	0.09 L/(>1000)	0.701 0.701	0.09 L/(>1000)	0.701 0.701	0.14 L/(>1000)	0.701 0.701	0.00 L/(>1000)
N9/N99	0.600 0.600	0.07 L/(>1000)	0.425 0.425	0.10 L/(>1000)	0.600 0.600	0.12 L/(>1000)	0.776 0.776	0.00 L/(>1000)
N99/N10	0.701 0.701	0.08 L/(>1000)	0.876 0.876	0.09 L/(>1000)	0.701 0.701	0.14 L/(>1000)	0.701 0.701	0.00 L/(>1000)
N103/N104	1.668 1.668	0.10 L/(>1000)	0.604 2.377	0.27 L/(>1000)	1.668 1.668	0.16 L/(>1000)	2.377 2.199	0.00 L/(>1000)
N104/N23	1.136 1.136	0.14 L/(>1000)	1.136 1.136	0.34 L/(>1000)	1.136 1.136	0.22 L/(>1000)	1.136 1.136	0.00 L/(>1000)
N112/N104	5.725 -	0.00 L/(>1000)	5.725 5.725	21.52 L/532.1	5.931 -	0.00 L/(>1000)	3.400 3.400	0.03 L/(>1000)
N105/N103	1.136 1.136	0.52 L/(>1000)	2.377 0.250	0.26 L/(>1000)	1.136 1.136	0.99 L/(>1000)	2.377 0.427	0.00 L/(>1000)
N2/N105	1.491 1.491	0.49 L/(>1000)	2.377 2.377	0.38 L/(>1000)	1.491 1.491	0.93 L/(>1000)	1.313 1.313	0.00 L/(>1000)
N40/N103	2.325 -	0.00 L/(>1000)	2.539 2.539	4.69 L/(>1000)	2.539 -	0.00 L/(>1000)	2.325 2.325	0.03 L/(>1000)
N110/N40	3.829 -	0.00 L/(>1000)	3.186 3.186	4.69 L/(>1000)	3.400 -	0.00 L/(>1000)	3.400 3.400	0.03 L/(>1000)
N41/N105	2.968 -	0.00 L/(>1000)	2.539 2.539	8.74 L/655.4	2.968 -	0.00 L/(>1000)	2.325 2.325	0.06 L/(>1000)
N111/N41	3.400	0.00	3.186	8.73	3.186	0.00	3.400	0.06

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Flechas								
Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha ativa absoluta xy Flecha ativa relativa xy		Flecha ativa absoluta xz Flecha ativa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
	-	L/(>1000)	3.186	L/655.4	-	L/(>1000)	3.400	L/(>1000)
N110/N112	1.739 1.739	0.10 L/(>1000)	0.675 2.377	0.27 L/(>1000)	1.739 1.739	0.16 L/(>1000)	2.377 2.164	0.00 L/(>1000)
N112/N19	1.101 1.101	0.13 L/(>1000)	1.101 1.101	0.35 L/(>1000)	1.101 1.101	0.22 L/(>1000)	1.101 1.101	0.00 L/(>1000)
N111/N110	1.101 1.101	0.50 L/(>1000)	2.377 0.250	0.26 L/(>1000)	1.101 1.101	0.99 L/(>1000)	2.377 0.463	0.00 L/(>1000)
N1/N111	1.584 1.584	0.47 L/(>1000)	2.377 2.377	0.38 L/(>1000)	1.584 1.584	0.93 L/(>1000)	1.386 1.386	0.00 L/(>1000)
N186/N115	2.505 2.505	0.10 L/(>1000)	2.505 2.505	3.10 L/(>1000)	2.505 2.505	0.00 L/(>1000)	2.505 -	0.00 L/(>1000)
N121/N186	3.220 3.220	0.10 L/(>1000)	3.220 3.220	3.10 L/(>1000)	3.220 3.220	0.00 L/(>1000)	3.220 -	0.00 L/(>1000)
N114/N9	1.490 1.490	0.11 L/(>1000)	1.136 1.136	0.42 L/(>1000)	1.490 1.490	0.21 L/(>1000)	1.136 1.136	0.01 L/(>1000)
N8/N115	1.136 1.136	0.10 L/(>1000)	1.490 0.250	0.39 L/(>1000)	1.136 1.136	0.19 L/(>1000)	1.313 1.313	0.01 L/(>1000)
N115/N113	1.136 1.136	0.09 L/(>1000)	0.250 2.376	0.29 L/(>1000)	1.136 1.313	0.16 L/(>1000)	2.376 1.845	0.00 L/(>1000)
N113/N114	1.313 1.313	0.04 L/(>1000)	0.782 0.782	0.41 L/(>1000)	1.313 1.313	0.08 L/(>1000)	0.427 2.376	0.00 L/(>1000)
N185/N113	2.505 2.505	0.18 L/(>1000)	2.505 2.505	3.10 L/(>1000)	2.505 2.505	0.00 L/(>1000)	2.505 -	0.00 L/(>1000)
N120/N185	3.220 3.220	0.18 L/(>1000)	3.220 3.220	3.10 L/(>1000)	3.220 3.220	0.00 L/(>1000)	3.220 -	0.00 L/(>1000)
N184/N114	2.505 2.505	0.28 L/(>1000)	2.505 2.505	3.09 L/(>1000)	2.505 2.505	0.00 L/(>1000)	2.505 -	0.00 L/(>1000)
N122/N184	3.220 3.220	0.28 L/(>1000)	3.220 3.220	3.09 L/(>1000)	3.220 3.220	0.00 L/(>1000)	3.220 -	0.00 L/(>1000)
N4/N5	3.940 3.940	0.77 L/(>1000)	6.035 6.035	3.44 L/(>1000)	3.940 3.940	1.53 L/(>1000)	8.129 8.129	0.03 L/(>1000)
N28/N35	3.933 -	0.00 L/(>1000)	5.900 -	0.00 L/(>1000)	0.787 -	0.00 L/(>1000)	5.113 -	0.00 L/(>1000)
N197/N35	4.720 -	0.00 L/(>1000)	2.360 -	0.00 L/(>1000)	2.360 -	0.00 L/(>1000)	3.540 -	0.00 L/(>1000)
N32/N197	1.967 -	0.00 L/(>1000)	4.720 -	0.00 L/(>1000)	4.326 -	0.00 L/(>1000)	5.506 -	0.00 L/(>1000)
N32/N28	2.753 -	0.00 L/(>1000)	4.326 -	0.00 L/(>1000)	4.326 -	0.00 L/(>1000)	5.113 -	0.00 L/(>1000)
N30/N34	2.753 -	0.00 L/(>1000)	4.720 -	0.00 L/(>1000)	5.113 -	0.00 L/(>1000)	5.113 -	0.00 L/(>1000)
N199/N34	4.720 -	0.00 L/(>1000)	4.720 -	0.00 L/(>1000)	1.967 -	0.00 L/(>1000)	3.540 -	0.00 L/(>1000)
N34/N198	3.540 -	0.00 L/(>1000)	2.360 -	0.00 L/(>1000)	3.147 -	0.00 L/(>1000)	1.967 -	0.00 L/(>1000)
N34/N26	2.360 -	0.00 L/(>1000)	4.326 -	0.00 L/(>1000)	5.506 -	0.00 L/(>1000)	4.326 -	0.00 L/(>1000)
N41/N103	1.181 -	0.00 L/(>1000)	4.330 -	0.00 L/(>1000)	2.362 -	0.00 L/(>1000)	2.756 -	0.00 L/(>1000)
N103/N39	5.118 -	0.00 L/(>1000)	2.756 -	0.00 L/(>1000)	1.181 -	0.00 L/(>1000)	5.511 -	0.00 L/(>1000)
N40/N104	3.937	0.00	4.724	0.00	2.756	0.00	5.511	0.00

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Flechas								
Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha ativa absoluta xy Flecha ativa relativa xy		Flecha ativa absoluta xz Flecha ativa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
	-	L/(>1000)	-	L/(>1000)	-	L/(>1000)	-	L/(>1000)
N105/N40	3.937 -	0.00 L/(>1000)	3.937 -	0.00 L/(>1000)	1.968 -	0.00 L/(>1000)	3.937 -	0.00 L/(>1000)
N41/N110	3.149 -	0.00 L/(>1000)	1.575 -	0.00 L/(>1000)	5.905 -	0.00 L/(>1000)	5.905 -	0.00 L/(>1000)
N110/N39	5.905 -	0.00 L/(>1000)	5.118 -	0.00 L/(>1000)	4.724 -	0.00 L/(>1000)	5.118 -	0.00 L/(>1000)
N40/N112	2.756 -	0.00 L/(>1000)	4.330 -	0.00 L/(>1000)	1.181 -	0.00 L/(>1000)	2.362 -	0.00 L/(>1000)
N111/N40	4.724 -	0.00 L/(>1000)	3.937 -	0.00 L/(>1000)	1.181 -	0.00 L/(>1000)	2.362 -	0.00 L/(>1000)
N43/N115	1.575 -	0.00 L/(>1000)	3.937 -	0.00 L/(>1000)	2.362 -	0.00 L/(>1000)	3.937 -	0.00 L/(>1000)
N43/N121	1.968 -	0.00 L/(>1000)	3.937 -	0.00 L/(>1000)	0.394 -	0.00 L/(>1000)	3.937 -	0.00 L/(>1000)
N186/N113	2.756 -	0.00 L/(>1000)	0.394 -	0.00 L/(>1000)	1.575 -	0.00 L/(>1000)	0.394 -	0.00 L/(>1000)
N186/N120	5.511 -	0.00 L/(>1000)	2.362 -	0.00 L/(>1000)	0.394 -	0.00 L/(>1000)	4.724 -	0.00 L/(>1000)
N185/N114	1.181 -	0.00 L/(>1000)	3.937 -	0.00 L/(>1000)	1.575 -	0.00 L/(>1000)	3.937 -	0.00 L/(>1000)
N185/N122	3.543 -	0.00 L/(>1000)	2.756 -	0.00 L/(>1000)	4.330 -	0.00 L/(>1000)	5.511 -	0.00 L/(>1000)
N184/N9	0.394 -	0.00 L/(>1000)	0.394 -	0.00 L/(>1000)	5.511 -	0.00 L/(>1000)	5.905 -	0.00 L/(>1000)
N184/N5	5.118 -	0.00 L/(>1000)	0.394 -	0.00 L/(>1000)	0.394 -	0.00 L/(>1000)	5.905 -	0.00 L/(>1000)
N46/N10	4.326 -	0.00 L/(>1000)	5.113 -	0.00 L/(>1000)	0.393 -	0.00 L/(>1000)	3.540 -	0.00 L/(>1000)
N46/N7	5.899 -	0.00 L/(>1000)	5.113 -	0.00 L/(>1000)	1.966 -	0.00 L/(>1000)	5.113 -	0.00 L/(>1000)
N47/N12	4.719 -	0.00 L/(>1000)	1.966 -	0.00 L/(>1000)	1.966 -	0.00 L/(>1000)	1.180 -	0.00 L/(>1000)
N48/N14	5.113 -	0.00 L/(>1000)	2.360 -	0.00 L/(>1000)	0.787 -	0.00 L/(>1000)	4.326 -	0.00 L/(>1000)
N49/N16	1.573 -	0.00 L/(>1000)	4.719 -	0.00 L/(>1000)	4.326 -	0.00 L/(>1000)	4.719 -	0.00 L/(>1000)
N9/N45	3.144 -	0.00 L/(>1000)	3.537 -	0.00 L/(>1000)	5.503 -	0.00 L/(>1000)	3.537 -	0.00 L/(>1000)
N5/N45	4.717 -	0.00 L/(>1000)	0.393 -	0.00 L/(>1000)	0.393 -	0.00 L/(>1000)	5.110 -	0.00 L/(>1000)
N44/N10	5.503 -	0.00 L/(>1000)	5.503 -	0.00 L/(>1000)	3.537 -	0.00 L/(>1000)	2.358 -	0.00 L/(>1000)
N44/N7	2.751 -	0.00 L/(>1000)	3.537 -	0.00 L/(>1000)	2.751 -	0.00 L/(>1000)	4.324 -	0.00 L/(>1000)
N200/N197	0.528 0.528	0.08 L/(>1000)	1.056 1.056	0.22 L/(>1000)	0.528 0.528	0.14 L/(>1000)	1.056 1.056	0.00 L/(>1000)
N199/N200	0.602 0.602	0.20 L/(>1000)	0.250 0.250	0.17 L/(>1000)	0.602 0.602	0.35 L/(>1000)	0.250 0.250	0.00 L/(>1000)
N201/N199	0.704 0.704	0.20 L/(>1000)	1.056 1.056	0.39 L/(>1000)	0.704 0.704	0.35 L/(>1000)	1.056 1.056	0.00 L/(>1000)
N196/N201	0.653	0.07	0.871	0.01	0.653	0.12	0.653	0.00

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Flechas								
Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha ativa absoluta xy Flecha ativa relativa xy		Flecha ativa absoluta xz Flecha ativa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
	0.653	L/(>1000)	0.871	L/(>1000)	0.653	L/(>1000)	0.653	L/(>1000)
N29/N28	0.528 0.528	0.08 L/(>1000)	1.056 1.056	0.22 L/(>1000)	0.528 0.528	0.14 L/(>1000)	1.056 1.056	0.00 L/(>1000)
N30/N29	0.602 0.602	0.19 L/(>1000)	0.250 0.250	0.13 L/(>1000)	0.602 0.602	0.33 L/(>1000)	0.250 0.250	0.00 L/(>1000)
N31/N30	0.704 0.704	0.19 L/(>1000)	1.056 1.056	0.33 L/(>1000)	0.704 0.704	0.33 L/(>1000)	1.056 1.056	0.00 L/(>1000)
N3/N31	0.653 0.653	0.07 L/(>1000)	0.653 0.653	0.01 L/(>1000)	0.653 0.653	0.11 L/(>1000)	0.653 0.653	0.00 L/(>1000)
N33/N188	0.653 0.653	0.10 L/(>1000)	0.653 0.653	0.01 L/(>1000)	0.653 0.653	0.18 L/(>1000)	0.653 -	0.00 L/(>1000)
N188/N32	0.653 0.653	0.30 L/(>1000)	0.435 0.435	0.00 L/(>1000)	0.653 0.653	0.54 L/(>1000)	0.653 -	0.00 L/(>1000)
N32/N189	0.653 0.653	0.08 L/(>1000)	0.871 0.871	0.00 L/(>1000)	0.653 0.653	0.14 L/(>1000)	0.653 -	0.00 L/(>1000)
N189/N34	0.653 0.653	0.24 L/(>1000)	0.653 0.653	0.03 L/(>1000)	0.653 0.653	0.42 L/(>1000)	0.653 -	0.00 L/(>1000)
N203/N22	0.528 0.528	0.03 L/(>1000)	1.056 1.056	0.05 L/(>1000)	0.528 0.528	0.05 L/(>1000)	1.056 1.056	0.00 L/(>1000)
N198/N203	0.602 0.602	0.07 L/(>1000)	0.426 0.426	0.16 L/(>1000)	0.602 0.602	0.13 L/(>1000)	0.250 0.250	0.00 L/(>1000)
N202/N198	0.704 0.704	0.06 L/(>1000)	1.056 1.056	0.14 L/(>1000)	0.704 0.704	0.12 L/(>1000)	1.056 0.176	0.00 L/(>1000)
N197/N202	0.778 0.778	0.01 L/(>1000)	0.250 0.250	0.22 L/(>1000)	0.954 0.778	0.02 L/(>1000)	0.250 0.250	0.00 L/(>1000)
N25/N24	0.528 0.528	0.03 L/(>1000)	1.056 1.056	0.05 L/(>1000)	0.528 0.528	0.05 L/(>1000)	1.056 1.056	0.00 L/(>1000)
N26/N25	0.602 0.602	0.07 L/(>1000)	0.426 0.426	0.16 L/(>1000)	0.602 0.602	0.13 L/(>1000)	0.250 0.250	0.00 L/(>1000)
N27/N26	0.704 0.704	0.06 L/(>1000)	1.056 1.056	0.14 L/(>1000)	0.704 0.704	0.12 L/(>1000)	1.056 1.056	0.00 L/(>1000)
N28/N27	0.778 0.778	0.01 L/(>1000)	0.250 0.250	0.21 L/(>1000)	0.954 0.778	0.02 L/(>1000)	0.250 0.250	0.00 L/(>1000)
N34/N190	0.653 0.653	0.05 L/(>1000)	0.653 0.653	0.00 L/(>1000)	0.653 0.653	0.09 L/(>1000)	0.653 -	0.00 L/(>1000)
N190/N35	0.653 0.653	0.14 L/(>1000)	0.871 0.871	0.01 L/(>1000)	0.653 0.653	0.27 L/(>1000)	0.653 0.653	0.00 L/(>1000)
N21/N22	0.526 1.051	0.00 L/(>1000)	0.701 0.701	0.09 L/(>1000)	0.350 1.051	0.00 L/(>1000)	0.876 0.876	0.00 L/(>1000)
N101/N24	0.526 0.526	0.01 L/(>1000)	0.701 0.701	0.09 L/(>1000)	0.526 0.526	0.01 L/(>1000)	0.876 0.876	0.00 L/(>1000)
N35/N191	0.653 0.653	0.09 L/(>1000)	0.653 0.653	0.01 L/(>1000)	0.653 0.653	0.18 L/(>1000)	0.653 -	0.00 L/(>1000)
N191/N36	0.653 0.653	0.26 L/(>1000)	0.653 0.653	0.01 L/(>1000)	0.653 0.653	0.53 L/(>1000)	0.653 0.653	0.00 L/(>1000)
N218/N222	0.602 0.602	0.04 L/(>1000)	0.250 0.250	0.26 L/(>1000)	0.602 0.602	0.07 L/(>1000)	0.250 0.250	0.00 L/(>1000)
N222/N221	0.528 0.528	0.02 L/(>1000)	1.056 1.056	0.20 L/(>1000)	0.528 0.528	0.03 L/(>1000)	1.056 1.056	0.00 L/(>1000)
N221/N223	0.602 0.602	0.03 L/(>1000)	0.250 0.250	0.29 L/(>1000)	0.602 0.602	0.04 L/(>1000)	0.250 0.250	0.00 L/(>1000)
N220/N225	0.778	0.02	0.426	0.20	0.778	0.03	0.250	0.01

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Flechas								
Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha ativa absoluta xy Flecha ativa relativa xy		Flecha ativa absoluta xz Flecha ativa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
	0.778	L/(>1000)	0.426	L/(>1000)	0.778	L/(>1000)	0.250	L/(>1000)
N224/N220	0.704 0.704	0.01 L/(>1000)	1.056 1.056	0.08 L/(>1000)	0.704 0.704	0.01 L/(>1000)	1.056 0.704	0.00 L/(>1000)
N219/N224	0.602 0.602	0.01 L/(>1000)	0.250 0.250	0.27 L/(>1000)	0.602 0.602	0.01 L/(>1000)	0.250 0.250	0.00 L/(>1000)
N223/N219	0.704 0.704	0.02 L/(>1000)	1.056 1.056	0.18 L/(>1000)	0.528 0.704	0.02 L/(>1000)	1.056 1.056	0.00 L/(>1000)
N225/N7	0.704 0.704	0.07 L/(>1000)	0.704 0.704	0.07 L/(>1000)	0.704 0.704	0.11 L/(>1000)	0.528 0.528	0.00 L/(>1000)
N18/N17	0.602 0.602	0.03 L/(>1000)	0.250 0.250	0.15 L/(>1000)	0.602 0.602	0.05 L/(>1000)	0.778 0.250	0.00 L/(>1000)
N16/N15	0.602 0.602	0.03 L/(>1000)	0.250 0.250	0.27 L/(>1000)	0.602 0.602	0.04 L/(>1000)	0.250 0.250	0.00 L/(>1000)
N17/N16	0.704 0.704	0.02 L/(>1000)	1.056 1.056	0.19 L/(>1000)	0.528 0.704	0.03 L/(>1000)	0.704 0.704	0.00 L/(>1000)
N12/N11	0.778 0.778	0.02 L/(>1000)	0.426 0.426	0.20 L/(>1000)	0.778 0.778	0.03 L/(>1000)	0.250 0.250	0.01 L/(>1000)
N13/N12	0.704 0.704	0.01 L/(>1000)	1.056 1.056	0.08 L/(>1000)	0.704 0.528	0.01 L/(>1000)	1.056 0.704	0.00 L/(>1000)
N14/N13	0.602 0.602	0.01 L/(>1000)	0.250 0.250	0.26 L/(>1000)	0.602 0.602	0.02 L/(>1000)	0.250 0.250	0.00 L/(>1000)
N15/N14	0.528 0.528	0.02 L/(>1000)	1.056 1.056	0.18 L/(>1000)	0.528 0.528	0.03 L/(>1000)	1.056 1.056	0.00 L/(>1000)
N11/N10	0.704 0.704	0.06 L/(>1000)	0.704 0.704	0.07 L/(>1000)	0.704 0.704	0.11 L/(>1000)	0.528 0.528	0.00 L/(>1000)
N192/N48	0.653 -	0.00 L/(>1000)	0.653 0.653	0.01 L/(>1000)	0.653 -	0.00 L/(>1000)	0.435 -	0.00 L/(>1000)
N49/N192	0.653 -	0.00 L/(>1000)	0.653 0.653	0.01 L/(>1000)	0.653 -	0.00 L/(>1000)	0.653 -	0.00 L/(>1000)
N193/N47	0.653 -	0.00 L/(>1000)	0.653 0.653	0.01 L/(>1000)	0.435 -	0.00 L/(>1000)	0.435 -	0.00 L/(>1000)
N48/N193	0.870 -	0.00 L/(>1000)	0.653 0.653	0.01 L/(>1000)	0.653 -	0.00 L/(>1000)	0.435 -	0.00 L/(>1000)
N194/N46	0.435 -	0.00 L/(>1000)	0.653 0.653	0.01 L/(>1000)	0.435 -	0.00 L/(>1000)	0.435 -	0.00 L/(>1000)
N47/N194	0.653 -	0.00 L/(>1000)	0.653 0.653	0.01 L/(>1000)	0.653 -	0.00 L/(>1000)	0.653 -	0.00 L/(>1000)
N195/N45	0.653 -	0.00 L/(>1000)	0.653 0.653	0.01 L/(>1000)	0.653 -	0.00 L/(>1000)	0.435 -	0.00 L/(>1000)
N46/N195	0.870 -	0.00 L/(>1000)	0.653 0.653	0.01 L/(>1000)	0.870 -	0.00 L/(>1000)	0.653 -	0.00 L/(>1000)
N219/N46	0.393 -	0.00 L/(>1000)	4.719 -	0.00 L/(>1000)	0.393 -	0.00 L/(>1000)	4.326 -	0.00 L/(>1000)
N47/N220	1.180 -	0.00 L/(>1000)	5.899 -	0.00 L/(>1000)	5.113 -	0.00 L/(>1000)	5.899 -	0.00 L/(>1000)
N218/N48	4.719 -	0.00 L/(>1000)	4.719 -	0.00 L/(>1000)	4.719 -	0.00 L/(>1000)	4.719 -	0.00 L/(>1000)
N49/N221	4.326 -	0.00 L/(>1000)	1.573 -	0.00 L/(>1000)	1.966 -	0.00 L/(>1000)	1.573 -	0.00 L/(>1000)
N221/N47	0.393 -	0.00 L/(>1000)	5.113 -	0.00 L/(>1000)	0.393 -	0.00 L/(>1000)	2.753 -	0.00 L/(>1000)
N48/N219	3.146	0.00	3.146	0.00	0.393	0.00	3.146	0.00

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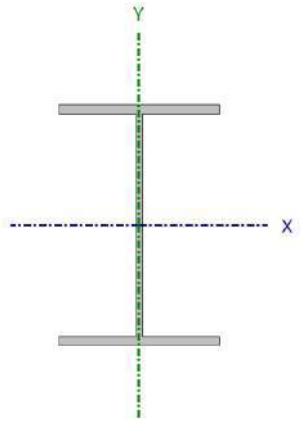
Flechas								
Grupo	Flecha máxima absoluta xy Flecha máxima relativa xy		Flecha máxima absoluta xz Flecha máxima relativa xz		Flecha ativa absoluta xy Flecha ativa relativa xy		Flecha ativa absoluta xz Flecha ativa relativa xz	
	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)	Pos. (m)	Flecha (mm)
	-	L/(>1000)	-	L/(>1000)	-	L/(>1000)	-	L/(>1000)

2.2.1.3. Verificações E.L.U. (Completo)

Nota: Mostra-se o relatório completo de verificações realizadas para as 10 barras com maior coeficiente de aproveitamento.

Barra N210/N199

Perfil: CVS 600x239 (Espaç. entre enrijecedores: 400 mm. Espessura: 10 mm)
Material: Aço (A-588 345MPa)



Nós		Comprimento (m)	Características mecânicas			
Inicial	Final		Área (cm²)	$I_x^{(1)}$ (cm4)	$I_y^{(1)}$ (cm4)	$I_t^{(2)}$ (cm4)
N210	N199	0.250	304.50	191759.38	26698.10	542.42

Notas:
(1) Inércia em relação ao eixo indicado
(2) Momento de inércia à torção uniforme

	Flambagem		Flambagem lateral	
	Plano ZX	Plano ZY	Aba sup.	Aba inf.
β	1.00	1.00	1.00	1.00
L_K	0.250	0.250	0.250	0.250
C_b	-		1.000	

Notação:
β: Coeficiente de flambagem
L_K: Comprimento de flambagem (m)
C_b: Fator de modificação para o momento crítico

Limitação do índice de esbeltez (ABNT NBR 8800:2008, Artigo 5.3.4)

A verificação não procede, já que não há força axial de compressão.

Resistência à tração (ABNT NBR 8800:2008, Artigo 5.2)

Deve satisfazer:

η : ***0.091*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N199, para a combinação de ações 1.3·PP+1.3·LAJE+1.3·PAVIMENTAÇÃO+1.3·RECAPEAMENTO+1.3·GUARDA-RODAS+Multidão-Passeio+Multidão-TB450+TB-450-D2 [NL].

$N_{t,Sd}$: Força axial de tração solicitante de cálculo, desfavorável. **$N_{t,Sd}$** : *867.53* kN

A força axial de tração resistente de cálculo, $N_{t,Rd}$, deve ser determinada pela expressão:

$N_{t,Rd}$: *9550.23* kN

Onde:

A_g: Área bruta da seção transversal da barra. **A_g** : *304.50* cm²
f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa
γ_{a1}: Coeficiente de segurança do material. **γ_{a1}** : *1.10*

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Resistência à compressão (ABNT NBR 8800:2008, Artigo 5.3)

A verificação não será executada, já que não existe esforço axial de compressão.

Resistência à flexão eixo X (ABNT NBR 8800:2008, Artigo 5.4.2)

Deve satisfazer:

η : ***0.406*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N210, para a combinação de ações 1.3·PP+1.3·LAJE+1.3·PAVIMENTAÇÃO+1.3·RECAPEAMENTO+1.3·GUARDA-RODAS+Multidão-Passeio+Multidão-TB450+TB-450-D2 [NL].

M_{Sd}^-: Momento fletor solicitante de cálculo, desfavorável. **M_{Sd}^-** : *915.01* kN·m

Já que '$\lambda \leq \lambda_r$', deve-se considerar viga de alma não-esbelta (ABNT NBR 8800:2008, Anexo G). **28.95** ≤ **137.24**

Onde:

λ : *28.95*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *550.00* mm

t_w: Espessura da alma. **t_w** : *19.00* mm

λ_r : *137.24*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

O momento fletor resistente de cálculo M_{Rd} de vigas de alma não-esbelta deve ser tomado como o menor valor entre os obtidos nas seguintes seções: **M_{Rd}** : *2254.07* kN·m

(a) Máximo momento fletor resistente de cálculo (ABNT NBR 8800:2008, Artigo 5.4.2.2):

M_{Rd} : *3007.14* kN·m

Onde:

W_x: Módulo de resistência elástico mínimo da seção transversal em relação ao eixo de flexão. **W_x** : *6391.98* cm³

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. **γ_{a1}** : *1.10*

(b) Estado-límite último de flambagem lateral com torção, FLT (ABNT NBR 8800:2008, Anexo G):

2.67 ≤ **42.38**

M_{Rd} : *2254.07* kN·m

Onde:

λ : *2.67*

Sendo:

$L_{b,inf}$: Distância entre pontos travados à flambagem lateral. **$L_{b,inf}$** : *0.250* m

r_y: Raio de giração da seção em relação ao eixo principal de inércia perpendicular ao eixo de flexão. **r_y** : *9.36* cm

λ_p : *42.38*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

M_{pl} : *2479.47* kN

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Onde:

Z_x: Módulo de resistência plástico. Z_x : *7186.88* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(c) Estado-límite último de flambagem local da mesa comprimida, FLM (ABNT NBR 8800:2008, Anexo G):

8.00 ≤ **9.15**

M_{Rd} : *2254.07* kN·m

Onde:

λ : *8.00*

Sendo:

b_f: Largura da mesa comprimida. b_f : *400.00* mm

t_f: Espessura da mesa comprimida. t_f : *25.00* mm

λ_p : *9.15*

Sendo:

E: Módulo de elasticidade do aço. E : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

M_{pl} : *2479.47* kN

Onde:

Z_x: Módulo de resistência plástico. Z_x : *7186.88* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(d) Estado-limite último de flambagem local da alma, FLA (ABNT NBR 8800:2008, Anexo G):

28.95 ≤ **90.53**

M_{Rd} : *2254.07* kN·m

Onde:

λ : *28.95*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. h : *550.00* mm

t_w: Espessura da alma. t_w : *19.00* mm

λ_p : *90.53*

Sendo:

E: Módulo de elasticidade do aço. E : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

M_{pl} : *2479.47* kN

Onde:

Z_x: Módulo de resistência plástico. Z_x : *7186.88* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Resistência à flexão eixo Y (ABNT NBR 8800:2008, Artigo 5.4.2)

Deve satisfazer:

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η : ***0.143*** ✓

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M_{Sd}^+: Momento fletor solicitante de cálculo, desfavorável. **M_{Sd}^+** : *89.70* kN·m

O momento fletor resistente de cálculo M_{Rd} deve ser tomado como o menor valor entre os obtidos nas seguintes seções: **M_{Rd}** : *628.01* kN·m

(a) Máximo momento fletor resistente de cálculo (ABNT NBR 8800:2008, Artigo 5.4.2.2):

M_{Rd} : *628.01* kN·m

Onde:

W_y: Módulo de resistência elástico mínimo da seção transversal em relação ao eixo de flexão. **W_y** : *1334.91* cm³

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(b) Estado-límite último de flambagem local da mesa comprimida, FLM (ABNT NBR 8800:2008, Anexo G):

8.00 ≤ **9.15**

M_{Rd} : *642.84* kN·m

Onde:

λ : *8.00*

Sendo:

b_f: Largura da mesa comprimida. **b_f** : *400.00* mm

t_f: Espessura da mesa comprimida. **t_f** : *25.00* mm

λ_p : *9.15*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

M_{pl} : *707.12* kN

Onde:

Z_y: Módulo de resistência plástico. **Z_y** : *2049.64* cm³

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

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Resistência ao esforço cortante X (ABNT NBR 8800:2008, Artigo 5.4.3)

Deve satisfazer:

η : ***0.008*** ✓

O esforço solicitante de cálculo desfavorável produz-se para a combinação de ações PP+LAJE+PAVIMENTAÇÃO+RECAPEAMENTO+GUARDA-RODAS+1.4·Vento0 [NL].

V_{Sd}: Esforço cortante solicitante de cálculo, desfavorável. **V_{Sd}** : *30.81* kN

A força cortante resistente de cálculo, V_{Rd}, é determinada pela expressão:

8.00 ≤ **29.01**

V_{Rd} : *3763.64* kN

Onde:

λ : *8.00*

Sendo:

b_f: Largura das mesas. **b_f** : *400.00* mm

t_f: Espessura das mesas. **t_f** : *25.00* mm

λ_p : *29.01*

Sendo:

k_v: Coeficiente de flambagem. **k_v** : *1.20*

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

V_{pl} : *4140.00* kN

Sendo:

A_w: Área efetiva ao cisalhamento.

A_w : *200.00* cm²

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Resistência ao esforço cortante Y (ABNT NBR 8800:2008, Artigo 5.4.3)

Deve satisfazer:

η : ***0.982*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N210, para a combinação de ações 1.3·PP+1.3·LAJE+1.3·PAVIMENTAÇÃO+1.3·RECAPEAMENTO+1.3·GUARDA-RODAS+Multidão-Passeio+Multidão-TB450+TB-450-D2 [NL].

V_{Sd}: Esforço cortante solicitante de cálculo, desfavorável. **V_{Sd}** : *2107.21* kN

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A força cortante resistente de cálculo, V_{Rd}, é determinada pela expressão:

28.95 ≤ **59.22**

$\mathbf{V_{Rd}}$: *2145.27* kN

Onde:

λ : *28.95*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *550.00* mm

$\mathbf{t_w}$: Espessura da alma. $\mathbf{t_w}$: *19.00* mm

λ_p : *59.22*

Sendo:

$\mathbf{k_v}$: Coeficiente de flambagem. $\mathbf{k_v}$: *5.00*

E: Módulo de elasticidade do aço. **E** : *200000* MPa

$\mathbf{f_y}$: Resistência ao escoamento do aço. $\mathbf{f_y}$: *345.00* MPa

$\mathbf{V_{pl}}$: *2359.80* kN

Sendo:

$\mathbf{A_w}$: Área efetiva ao cisalhamento.

$\mathbf{A_w}$: *114.00* cm²

d: Altura total da seção transversal. **d** : *600.00* mm

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Os enrijecedores transversais não são levados em conta, já que não cumprem os seguintes requisitos:

19.05 ≤ **13.48**

Onde:

b: Largura dos elementos que formam os enrijecedores. **b** : *190.50* mm

t: Espessura dos elementos que formam os enrijecedores. **t** : *10.00* mm

E: Módulo de elasticidade do aço. **E** : *200000* MPa

$\mathbf{f_y}$: Resistência ao escoamento do aço. $\mathbf{f_y}$: *345.00* MPa

5332.76 ≥ **748.06**

Onde:

$\mathbf{I_s}$: *5332.76* cm4

Sendo:

b: Largura dos elementos que formam os enrijecedores. **b** : *190.50* mm

t: Espessura dos elementos que formam os enrijecedores. **t** : *10.00* mm

$\mathbf{t_w}$: Espessura da alma. $\mathbf{t_w}$: *19.00* mm

j : *2.73*

Sendo:

a: Distância entre as linhas de centro dos enrijecedores transversais adjacentes. **a** : *400.00* mm

h: Largura dos elementos que formam os enrijecedores. **h** : *550.00* mm

Resistência ao esforço axial e flexão combinados (ABNT NBR 8800:2008, Artigo 5.5.1.2)

Deve satisfazer:

η : ***0.508*** ✓

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$N_{t,Sd}$: Força axial de tração solicitante de cálculo, desfavorável.	$N_{t,Sd}$: *744.82* kN
$M_{x,Sd}$: Momento fletor solicitante de cálculo, desfavorável.	$M_{x,Sd}^{-}$: *766.71* kN·m
$M_{y,Sd}$: Momento fletor solicitante de cálculo, desfavorável.	$M_{y,Sd}^{+}$: *81.20* kN·m

0.078 < **0.200**

η : *0.508*

Onde:

$N_{t,Rd}$: Força axial resistente de cálculo de tração (ABNT NBR 8800:2008, Artigo 5.2). $N_{t,Rd}$: *9550.23* kN

$M_{x,Rd}$, $M_{y,Rd}$: Momentos fletores resistentes de cálculo, respectivamente em relação aos eixos X e Y da seção transversal (ABNT NBR 8800:2008, Artigo 5.4.2).

$M_{x,Rd}$: *2254.07* kN·m
$M_{y,Rd}$: *628.01* kN·m

Resistência à torção (ABNT NBR 8800:2008, Artigo 5.5.2.1)

Já que a norma não proporciona uma verificação geral para seções não tubulares submetidas exclusivamente à torção, considera-se que este elemento também deve cumprir o seguinte critério:

Deve satisfazer:

η : ***0.023*** ✓

O esforço solicitante de cálculo desfavorável produz-se para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL].

T_{Sd}: Momento de torção solicitante de cálculo, desfavorável. T_{Sd} : *0.95* kN·m

O momento de torção resistente de cálculo, T_{Rd}, é determinado pela expressão:

T_{Rd} : *40.83* kN·m

Onde:

W_T: Módulo de resistência à torção.	W_T : *216.97* cm³
f_y: Resistência ao escoamento do aço.	f_y : *345.00* MPa
γ_{a1}: Coeficiente de segurança do material.	γ_{a1} : *1.10*

Resistência ao momento de torção, força axial, momento fletor e cortante (ABNT NBR 8800:2008, Artigo 5.5.2.2)

Este caso não está contemplado pela norma e, portanto, não é possível realizar a verificação.

Resistência a interações de esforços e momento de torção (ABNT NBR 8800:2008, Artigo 5.5.2.3)

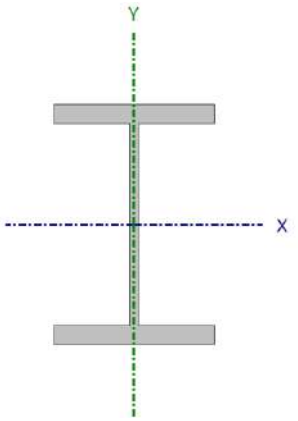
Não há interação entre os dois esforços cortantes nem entre o momento torsor, esforço axial, momentos fletores e esforços cortantes. Portanto, a verificação não é necessária.

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Barra N218/N235

Perfil: CVS 600x412 (Espaç. entre enrijecedores: 400 mm. Espessura: 10 mm)
Material: Aço (A-588 345MPa)



Nós		Comprimento (m)	Características mecânicas			
Inicial	Final		Área (cm²)	$I_x^{(1)}$ (cm4)	$I_y^{(1)}$ (cm4)	$I_t^{(2)}$ (cm4)
N218	N235	0.250	525.00	329375.00	53398.44	3593.75

Notas:
(1) Inércia em relação ao eixo indicado
(2) Momento de inércia à torção uniforme

	Flambagem		Flambagem lateral	
	Plano ZX	Plano ZY	Aba sup.	Aba inf.
β	1.00	1.00	1.00	1.00
L_K	0.250	0.250	0.250	0.250
C_b	-		1.000	

Notação:
β: Coeficiente de flambagem
L_K: Comprimento de flambagem (m)
C_b: Fator de modificação para o momento crítico

Limitação do índice de esbeltez (ABNT NBR 8800:2008, Artigo 5.3.4)

O índice de esbeltez das barras comprimidas, tomado como o maior relação entre o comprimento de flambagem e o raio de giração, não deve ser superior a 200.

λ : ***2.5*** ✓

Onde:

λ: Índice de esbeltez.

λ_x : *1.0*

λ_y : *2.5*

Sendo:

$K_x \cdot L_x$: Comprimento de flambagem por flexão em relação ao eixo X. — **$K_x \cdot L_x$** : *0.250* m

$K_y \cdot L_y$: Comprimento de flambagem por flexão em relação ao eixo Y. — **$K_y \cdot L_y$** : *0.250* m

r_x,r_y: Raios de giração em relação aos eixos principales X, Y, respectivamente. — **r_x** : *25.05* cm; **r_y** : *10.09* cm

Resistência à tração (ABNT NBR 8800:2008, Artigo 5.2)

A verificação não será executada, já que não existe esforço axial de tração.

Resistência à compressão (ABNT NBR 8800:2008, Artigo 5.3)

Deve satisfazer:

η : ***0.046*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N218, para a combinação de ações 1.3·PP+1.3·LAJE+1.3·PAVIMENTAÇÃO+1.3·RECAPEAMENTO+1.3·GUARDA-RODAS+Multidão-Passeio+Multidão-TB450+TB-450-D2 [NL].

$N_{c,Sd}$: Força axial de compressão solicitante de cálculo, desfavorável. — **$N_{c,Sd}$** : *753.58* kN

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A força axial de compressão resistente de cálculo, $N_{c,Rd}$, deve ser determinada pela expressão:

$N_{c,Rd}$: 16458.51 kN

Onde:

- χ: Fator de redução total associado à resistência à compressão. — χ : 1.000
- **Q**: Fator de redução total associado à flambagem local. — **Q** : 1.000
- A_g: Área bruta da seção transversal da barra. — A_g : 525.00 cm²
- f_y: Resistência ao escoamento do aço. — f_y : 345.00 MPa
- γ_{a1}: Coeficiente de segurança do material. — γ_{a1} : 1.10

Fator de redução χ: (ABNT NBR 8800:2008, Artigo 5.3.3)

χ : 1.000

Onde:

λ_0: Índice de esbeltez reduzido.

λ_0 : 0.033

Sendo:

- **Q**: Fator de redução total associado à flambagem local. — **Q** : 1.000
- A_g: Área bruta da seção transversal da barra. — A_g : 525.00 cm²
- f_y: Resistência ao escoamento do aço. — f_y : 345.00 MPa
- N_e: Força axial de flambagem elástica. — N_e : 16864686.52 kN

Força axial de flambagem elástica: (ABNT NBR 8800:2008, Anexo E)

A força axial de flambagem elástica, N_e, de uma barra com seção transversal duplamente simétrica ou simétrica em relação a um ponto, é dada pelo menor valor entre os obtidos por (a), (b) e (c):

N_e : 16864686.52 kN

(a) Para flambagem por flexão em relação ao eixo principal de inércia X da seção transversal:

N_{ex} : 104025630.39 kN

Onde:

- $K_x \cdot L_x$: Comprimento de flambagem por flexão em relação ao eixo X. — $K_x \cdot L_x$: 0.250 m
- I_x: Momento de inércia da seção transversal em relação ao eixo X. — I_x : 329375.00 cm4
- **E**: Módulo de elasticidade do aço. — **E** : 200000 MPa

(b) Para flambagem por flexão em relação ao eixo principal de inércia Y da seção transversal:

N_{ey} : 16864686.52 kN

Onde:

- $K_y \cdot L_y$: Comprimento de flambagem por flexão em relação ao eixo Y. — $K_y \cdot L_y$: 0.250 m
- I_y: Momento de inércia da seção transversal em relação ao eixo Y. — I_y : 53398.44 cm4
- **E**: Módulo de elasticidade do aço. — **E** : 200000 MPa

(c) Para flambagem por torção em relação ao eixo longitudinal Z:

N_{ez} : 17530828.02 kN

Onde:

- $K_z \cdot L_z$: Comprimento de flambagem por torção. — $K_z \cdot L_z$: 0.250 m
- **E**: Módulo de elasticidade do aço. — **E** : 200000 MPa
- C_w: Constante de empenamento da seção transversal. — C_w : 40382568.36 cm6
- **G**: Módulo de elasticidade transversal do aço. — **G** : 77000 MPa
- **J**: Constante de torção da seção transversal. — **J** : 3593.75 cm4
- r_0: Raio de giração polar da seção bruta em relação ao centro de cisalhamento.

r_0 : 27.00 cm

Onde:

- r_x, r_y: Raios de giração em relação aos eixos principales X, Y, respectivamente. — r_x : 25.05 cm; r_y : 10.09 cm
- X_0, Y_0: Coordenadas do centro de cisalhamento na direção dos eixos principales X, Y, respectivamente. — X_0 : 0.00 mm; Y_0 : 0.00 mm

Flambagem local de barras axialmente comprimidas: (ABNT NBR 8800:2008, Anexo F)

Não se aplica nenhuma redução, já que todos os elementos componentes da seção transversal possuem relações entre largura e espessura (b/t) que não superam os valores limite dados na Tabela F.1.

Mesa: Elemento do Grupo 5 da Tabela F.1.

4.00 ≤ **13.43**

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Sendo:

(b/t): Relação entre largura e espessura. **(b/t)** : *4.00*

Onde:

b: Largura. **b** : *200.00* mm

t: Espessura. **t** : *50.00* mm

$(b/t)_{lim}$: Relação limite entre largura e espessura.

$(b/t)_{lim}$: *13.43*

Onde:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

k_c : *0.76*

h: Altura da alma. **h** : *500.00* mm

t_w: Espessura da alma. **t_w** : *25.00* mm

Alma: Elemento do Grupo 2 da Tabela F.1.

20.00 ≤ **35.87**

Sendo:

(b/t): Relação entre largura e espessura. **(b/t)** : *20.00*

Onde:

b: Largura. **b** : *500.00* mm

t: Espessura. **t** : *25.00* mm

$(b/t)_{lim}$: Relação limite entre largura e espessura.

$(b/t)_{lim}$: *35.87*

Onde:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

Resistência à flexão eixo X (ABNT NBR 8800:2008, Artigo 5.4.2)

Deve satisfazer:

η : ***0.077*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N218, para a combinação de ações 1.3·PP+1.3·LAJE+1.3·PAVIMENTAÇÃO+1.3·RECAPEAMENTO+1.3·GUARDA-RODAS+Multidão-Passeio+Multidão-TB450+TB-450-D2 [NL].

M_{Sd}^-: Momento fletor solicitante de cálculo, desfavorável. **M_{Sd}^-** : *302.13* kN·m

Já que '$\lambda \leq \lambda_r$', deve-se considerar viga de alma não-esbelta (ABNT NBR 8800:2008, Anexo G). **20.00** ≤ **137.24**

Onde:

λ : *20.00*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *500.00* mm

t_w: Espessura da alma. **t_w** : *25.00* mm

λ_r : *137.24*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

O momento fletor resistente de cálculo M_{Rd} de vigas de alma não-esbelta deve ser tomado como o menor valor entre os obtidos nas seguintes seções: **M_{Rd}** : *3940.06* kN·m

(a) Máximo momento fletor resistente de cálculo (ABNT NBR 8800:2008, Artigo 5.4.2.2):

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M_{Rd} : *5165.20* kN·m

Onde:

W_x: Módulo de resistência elástico mínimo da seção transversal em relação ao eixo de flexão. W_x : *10979.17* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(b) Estado-límite último de flambagem lateral com torção, FLT (ABNT NBR 8800:2008, Anexo G):

2.48 ≤ **42.38**

M_{Rd} : *3940.06* kN·m

Onde:

λ : *2.48*

Sendo:

$L_{b,inf}$: Distância entre pontos travados à flambagem lateral. $L_{b,inf}$: *0.250* m

r_y: Raio de giração da seção em relação ao eixo principal de inércia perpendicular ao eixo de flexão. r_y : *10.09* cm

λ_p : *42.38*

Sendo:

E: Módulo de elasticidade do aço. E : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

M_{pl} : *4334.06* kN

Onde:

Z_x: Módulo de resistência plástico. Z_x : *12562.50* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(c) Estado-límite último de flambagem local da mesa comprimida, FLM (ABNT NBR 8800:2008, Anexo G):

4.00 ≤ **9.15**

M_{Rd} : *3940.06* kN·m

Onde:

λ : *4.00*

Sendo:

b_f: Largura da mesa comprimida. b_f : *400.00* mm

t_f: Espessura da mesa comprimida. t_f : *50.00* mm

λ_p : *9.15*

Sendo:

E: Módulo de elasticidade do aço. E : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

M_{pl} : *4334.06* kN

Onde:

Z_x: Módulo de resistência plástico. Z_x : *12562.50* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(d) Estado-limite último de flambagem local da alma, FLA (ABNT NBR 8800:2008, Anexo G):

20.00 ≤ **90.53**

M_{Rd} : *3940.06* kN·m

Onde:

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λ : 20.00

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : 500.00 mm

t_w: Espessura da alma. **t_w** : 25.00 mm

λ_p : 90.53

Sendo:

E: Módulo de elasticidade do aço. **E** : 200000 MPa

f_y: Resistência ao escoamento do aço. **f_y** : 345.00 MPa

M_{pl} : 4334.06 kN

Onde:

Z_x: Módulo de resistência plástico. **Z_x** : 12562.50 cm³

f_y: Resistência ao escoamento do aço. **f_y** : 345.00 MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : 1.10

Resistência à flexão eixo Y (ABNT NBR 8800:2008, Artigo 5.4.2)

Deve satisfazer:

η : ***0.029*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N218, para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL].

M_{Sd}^+: Momento fletor solicitante de cálculo, desfavorável. **M_{Sd}^+** : 36.43 kN·m

O momento fletor resistente de cálculo M_{Rd} deve ser tomado como o menor valor entre os obtidos nas seguintes seções: **M_{Rd}** : 1256.08 kN·m

(a) Máximo momento fletor resistente de cálculo (ABNT NBR 8800:2008, Artigo 5.4.2.2):

M_{Rd} : 1256.08 kN·m

Onde:

W_y: Módulo de resistência elástico mínimo da seção transversal em relação ao eixo de flexão. **W_y** : 2669.92 cm³

f_y: Resistência ao escoamento do aço. **f_y** : 345.00 MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : 1.10

(b) Estado-límite último de flambagem local da mesa comprimida, FLM (ABNT NBR 8800:2008, Anexo G):

4.00 ≤ **9.15**

M_{Rd} : 1279.05 kN·m

Onde:

λ : 4.00

Sendo:

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b_f: Largura da mesa comprimida. b_f : *400.00* mm
t_f: Espessura da mesa comprimida. t_f : *50.00* mm

λ_p : *9.15*

Sendo:
E: Módulo de elasticidade do aço. **E** : *200000* MPa
f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

M_{pl} : *1406.95* kN

Onde:
Z_y: Módulo de resistência plástico. Z_y : *4078.13* cm³
f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa
γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Resistência ao esforço cortante X (ABNT NBR 8800:2008, Artigo 5.4.3)

Deve satisfazer:

η : ***0.002*** ✓

O esforço solicitante de cálculo desfavorável produz-se para a combinação de ações PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL].

V_{Sd}: Esforço cortante solicitante de cálculo, desfavorável. V_{Sd} : *13.79* kN

A força cortante resistente de cálculo, V_{Rd}, é determinada pela expressão:

4.00 ≤ **29.01**

V_{Rd} : *7527.27* kN

Onde:

λ : *4.00*

Sendo:
b_f: Largura das mesas. b_f : *400.00* mm
t_f: Espessura das mesas. t_f : *50.00* mm

λ_p : *29.01*

Sendo:
k_v: Coeficiente de flambagem. k_v : *1.20*
E: Módulo de elasticidade do aço. **E** : *200000* MPa
f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

V_{pl} : *8280.00* kN

Sendo:
A_w: Área efetiva ao cisalhamento.

A_w : *400.00* cm²

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γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Resistência ao esforço cortante Y (ABNT NBR 8800:2008, Artigo 5.4.3)

Deve satisfazer:

η : ***0.814*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N218, para a combinação de ações 1.3·PP+1.3·LAJE+1.3·PAVIMENTAÇÃO+1.3·RECAPEAMENTO+1.3·GUARDA-RODAS+Multidão-Passeio+Multidão-TB450+TB-450-D2 [NL].

V_{Sd}: Esforço cortante solicitante de cálculo, desfavorável. **V_{Sd}** : *2298.39* kN

A força cortante resistente de cálculo, V_{Rd}, é determinada pela expressão:

20.00 ≤ **59.22**

V_{Rd} : *2822.73* kN

Onde:

λ : *20.00*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *500.00* mm

t_w: Espessura da alma. **t_w** : *25.00* mm

λ_p : *59.22*

Sendo:

k_v: Coeficiente de flambagem. **k_v** : *5.00*

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

V_{pl} : *3105.00* kN

Sendo:

A_w: Área efetiva ao cisalhamento.

A_w : *150.00* cm²

d: Altura total da seção transversal. **d** : *600.00* mm

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Os enrijecedores transversais não são levados em conta, já que não cumprem os seguintes requisitos:

18.75 ≤ **13.48**

Onde:

b: Largura dos elementos que formam os enrijecedores. **b** : *187.50* mm

t: Espessura dos elementos que formam os enrijecedores. **t** : *10.00* mm

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

5332.03 ≥ **1191.41**

Onde:

I_s : *5332.03* cm4

Sendo:

b: Largura dos elementos que formam os enrijecedores. **b** : *187.50* mm

t: Espessura dos elementos que formam os enrijecedores. **t** : *10.00* mm

t_w: Espessura da alma. **t_w** : *25.00* mm

j : *1.91*

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Sendo:

a: Distância entre as linhas de centro dos enrijecedores transversais adjacentes. **a** : *400.00* mm

h: Largura dos elementos que formam os enrijecedores. **h** : *500.00* mm

Resistência ao esforço axial e flexão combinados (ABNT NBR 8800:2008, Artigo 5.5.1.2)

Deve satisfazer:

η : ***0.116*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N218, para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL].

$N_{c,Sd}$: Força axial de compressão solicitante de cálculo, desfavorável. **$N_{c,Sd}$** : *660.52* kN

$M_{x,Sd}$: Momento fletor solicitante de cálculo, desfavorável. **$M_{x,Sd}^-$** : *262.79* kN·m

$M_{y,Sd}$: Momento fletor solicitante de cálculo, desfavorável. **$M_{y,Sd}^+$** : *36.43* kN·m

0.040 < **0.200**

η : *0.116*

Onde:

$N_{c,Rd}$: Força axial resistente de cálculo de compressão (ABNT NBR 8800:2008, Artigo 5.3). **$N_{c,Rd}$** : *16458.51* kN

$M_{x,Rd}$,$M_{y,Rd}$: Momentos fletores resistentes de cálculo, respectivamente em relação aos eixos X e Y da seção transversal (ABNT NBR 8800:2008, Artigo 5.4.2). **$M_{x,Rd}$** : *3940.06* kN·m

$M_{y,Rd}$: *1256.08* kN·m

Resistência à torção (ABNT NBR 8800:2008, Artigo 5.5.2.1)

Já que a norma não proporciona uma verificação geral para seções não tubulares submetidas exclusivamente à torção, considera-se que este elemento também deve cumprir o seguinte critério:

Deve satisfazer:

η : ***0.192*** ✓

O esforço solicitante de cálculo desfavorável produz-se para a combinação de ações 1.5·PP+LAJE+PAVIMENTAÇÃO+RECAPEAMENTO+GUARDA-RODAS+1.4·Vento180 [NL].

T_{Sd}: Momento de torção solicitante de cálculo, desfavorável. **T_{Sd}** : *26.00* kN·m

O momento de torção resistente de cálculo, T_{Rd}, é determinado pela expressão:

T_{Rd} : *135.26* kN·m

Onde:

W_T: Módulo de resistência à torção. **W_T** : *718.75* cm³

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. **γ_{a1}** : *1.10*

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Resistência ao momento de torção, força axial, momento fletor e cortante (ABNT NBR 8800:2008, Artigo 5.5.2.2)

Este caso não está contemplado pela norma e, portanto, não é possível realizar a verificação.

Resistência a interações de esforços e momento de torção (ABNT NBR 8800:2008, Artigo 5.5.2.3)

Deve satisfazer:

η : ***0.041*** ✓

η : ***0.979*** ✓

(Já que a norma não proporciona uma verificação da tensão total para seções submetidas a torção combinada com outros esforços, considera-se que este elemento também deve cumprir os seguintes critérios para a tensão de Von Mises:)

η : ***0.884*** ✓

O coeficiente de aproveitamento desfavorável produz-se no nó N218, para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento180 [NL] no ponto da seção transversal de coordenadas X = 0.00 mm, Y = 0.00 mm em relação ao centro de gravidade.

As tensões normais σ_{Sd} são dadas por:

σ_{Sd} : *-12.74* MPa

Onde:

σ_{NSd} : *-12.74* MPa

Sendo:

$N_{c,Sd}$: Força axial de compressão solicitante de cálculo, desfavorável. — $N_{c,Sd}$: *668.66* kN

Q: Fator de redução total associado à flambagem local (ABNT NBR 8800:2008, Anexo F). — **Q** : *1.000*

A_g: Área bruta da seção transversal da barra. — A_g : *525.00* cm²

$\sigma_{Mx,Sd}$: *0.00* MPa

Sendo:

$M_{x,Sd}$: Momento fletor solicitante de cálculo, desfavorável. — $M_{x,Sd}^{-}$: *260.27* kN·m

I_x: Momento de inércia da seção transversal em relação ao eixo X. — I_x : *329375.00* cm4

Y: Coordenada, em relação ao eixo Y, do ponto desfavorável da seção transversal em relação ao centro de gravidade da seção bruta. — **Y** : *0.00* mm

$\sigma_{My,Sd}$: *0.00* MPa

Sendo:

$M_{y,Sd}$: Momento fletor solicitante de cálculo, desfavorável. — $M_{y,Sd}^{-}$: *29.36* kN·m

I_y: Momento de inércia da seção transversal em relação ao eixo Y. — I_y : *53398.44* cm4

X: Coordenada, em relação ao eixo X, do ponto desfavorável da seção transversal em relação ao centro de gravidade da seção bruta. — **X** : *0.00* mm

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As tensões tangenciais τ_{Sd} são dadas por:

τ_{Sd} : *175.91* MPa

Onde:

$\tau_{Vx,Sd}$: *0.00* MPa

Sendo:

$V_{x,Sd}^-$: Esforço cortante solicitante de cálculo, desfavorável. $V_{x,Sd}^-$: *12.90* kN

S_y: Momento estático, em relação ao eixo Y, da parte da seção situada a um lado do ponto de verificação. S_y : *0.00* cm³

I_y: Momento de inércia da seção transversal em relação ao eixo Y. I_y : *53398.44* cm4

t: Espessura. **t** : *25.00* mm

$\tau_{Vy,Sd}$: *158.07* MPa

Sendo:

$V_{y,Sd}^-$: Esforço cortante solicitante de cálculo, desfavorável. $V_{y,Sd}^-$: *2019.46* kN

S_x: Momento estático, em relação ao eixo X, da parte da seção situada a um lado do ponto de verificação. S_x : *6445.31* cm³

I_x: Momento de inércia da seção transversal em relação ao eixo X. I_x : *329375.00* cm4

t: Espessura. **t** : *25.00* mm

τ_{TSd} : *17.84* MPa

Sendo:

T_{Sd}: Momento de torção solicitante de cálculo, desfavorável. T_{Sd} : *25.64* kN·m

J: Constante de torção da seção transversal. **J** : *3593.75* cm4

t: Espessura. **t** : *25.00* mm

As tensões totais f_{Sd} são dadas por:

f_{Sd} : *304.94* MPa

A tensão resistente de cálculo, σ_{Rd}, é dada pelo menor valor entre os obtidos por a) e b): σ_{Rd} : *313.50* MPa

(a) Tensão resistente de cálculo para os estados-limites de escoamento sob efeito de tensão normal:

σ_{Rd} : *313.64* MPa

Onde:

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(b) Tensão resistente de cálculo para os estados-limites de instabilidade ou flambagem sob efeito de tensão normal:

σ_{Rd} : *313.50* MPa

Onde:

χ: Fator de redução total associado à resistência à compressão (ABNT NBR 8800:2008, Artigo 5.3.3).

χ : *1.000*

Sendo:

λ_0 : *0.033*

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σ_e : *321232.12* MPa

Onde:

N_e: Força axial de flambagem elástica. **N_e** : *16864686.52* kN

Q: Fator de redução total associado à flambagem local (ABNT NBR 8800:2008, Anexo F). **Q** : *1.000*

A_g: Área bruta da seção transversal da barra. **A_g** : *525.00* cm²

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

A tensão resistente de cálculo, τ_{Rd}, é dada pelo menor valor entre os obtidos por a) e b): τ_{Rd} : *179.65* MPa

(a) Tensão resistente de cálculo para os estados-limites de escoamento sob efeito de tensão de cisalhamento:

τ_{Rd} : *188.18* MPa

Onde:

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(b) Tensão resistente de cálculo para os estados-limites de instabilidade ou flambagem sob efeito de tensão cisalhamento:

τ_{Rd} : *179.65* MPa

Onde:

χ: Fator de redução total associado à resistência à compressão (ABNT NBR 8800:2008, Artigo 5.3.3).

χ : *0.955*

Sendo:

λ_0 : *0.333*

τ_e : *1867.38* MPa

σ_E : *373.48* MPa

Onde:

k_v: Coeficiente de flambagem (ABNT NBR 8800:2008, Artigo 5.4.3). **k_v** : *5.00*

E: Módulo de elasticidade do aço. **E** : *200000* MPa

ν: Coeficiente de Poisson. **ν** : *0.30*

t: Espessura. **t** : *25.00* mm

h: Largura. **h** : *550.00* mm

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

A tensão resistente de cálculo, f_{Rd} é dada por:

f_{Rd} : *345.00* MPa

Onde:

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

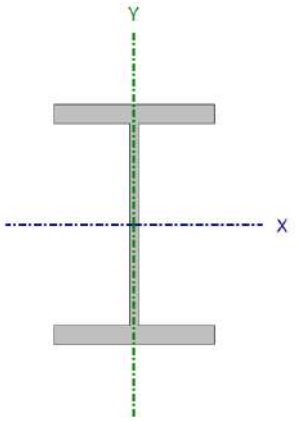
γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

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Barra N18/N236

Perfil: CVS 600x412 (Espaç. entre enrijecedores: 400 mm. Espessura: 10 mm)
Material: Aço (A-588 345MPa)



Nós		Comprimento (m)	Características mecânicas			
Inicial	Final		Área (cm²)	$I_x^{(1)}$ (cm4)	$I_y^{(1)}$ (cm4)	$I_t^{(2)}$ (cm4)
N18	N236	0.250	525.00	329375.00	53398.44	3593.75

Notas:
(1) Inércia em relação ao eixo indicado
(2) Momento de inércia à torção uniforme

	Flambagem		Flambagem lateral	
	Plano ZX	Plano ZY	Aba sup.	Aba inf.
β	1.00	1.00	1.00	1.00
L_K	0.250	0.250	0.250	0.250
C_b	-		1.000	

Notação:
β: Coeficiente de flambagem
L_K: Comprimento de flambagem (m)
C_b: Fator de modificação para o momento crítico

Limitação do índice de esbeltez (ABNT NBR 8800:2008, Artigo 5.3.4)

O índice de esbeltez das barras comprimidas, tomado como o maior relação entre o comprimento de flambagem e o raio de giração, não deve ser superior a 200.

λ : ***2.5*** ✓

Onde:

λ: Índice de esbeltez.

λ_x : *1.0*

λ_y : *2.5*

Sendo:

$K_x \cdot L_x$: Comprimento de flambagem por flexão em relação ao eixo X. — **$K_x \cdot L_x$** : *0.250* m

$K_y \cdot L_y$: Comprimento de flambagem por flexão em relação ao eixo Y. — **$K_y \cdot L_y$** : *0.250* m

r_x,r_y: Raios de giração em relação aos eixos principales X, Y, respectivamente.

r_x : *25.05* cm

r_y : *10.09* cm

Resistência à tração (ABNT NBR 8800:2008, Artigo 5.2)

A verificação não será executada, já que não existe esforço axial de tração.

Resistência à compressão (ABNT NBR 8800:2008, Artigo 5.3)

Deve satisfazer:

η : ***0.052*** ✓

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$N_{c,Sd}$: Força axial de compressão solicitante de cálculo, desfavorável. — **$N_{c,Sd}$** : *859.44* kN

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A força axial de compressão resistente de cálculo, $N_{c,Rd}$, deve ser determinada pela expressão:

$N_{c,Rd}$: 16458.51 kN

Onde:

χ: Fator de redução total associado à resistência à compressão.	χ :	1.000	
Q: Fator de redução total associado à flambagem local.	**Q** :	1.000	
A_g: Área bruta da seção transversal da barra.	A_g :	525.00	cm²
f_y: Resistência ao escoamento do aço.	f_y :	345.00	MPa
γ_{a1}: Coeficiente de segurança do material.	γ_{a1} :	1.10	

Fator de redução χ: (ABNT NBR 8800:2008, Artigo 5.3.3)

χ : 1.000

Onde:

λ_0: Índice de esbeltez reduzido.

λ_0 : 0.033

Sendo:

Q: Fator de redução total associado à flambagem local.	**Q** :	1.000	
A_g: Área bruta da seção transversal da barra.	A_g :	525.00	cm²
f_y: Resistência ao escoamento do aço.	f_y :	345.00	MPa
N_e: Força axial de flambagem elástica.	N_e :	16864686.52	kN

Força axial de flambagem elástica: (ABNT NBR 8800:2008, Anexo E)

A força axial de flambagem elástica, N_e, de uma barra com seção transversal duplamente simétrica ou simétrica em relação a um ponto, é dada pelo menor valor entre os obtidos por (a), (b) e (c):

N_e : 16864686.52 kN

(a) Para flambagem por flexão em relação ao eixo principal de inércia X da seção transversal:

N_{ex} : 104025630.39 kN

Onde:

$K_x \cdot L_x$: Comprimento de flambagem por flexão em relação ao eixo X.	$K_x \cdot L_x$:	0.250	m
I_x: Momento de inércia da seção transversal em relação ao eixo X.	I_x :	329375.00	cm4
E: Módulo de elasticidade do aço.	**E** :	200000	MPa

(b) Para flambagem por flexão em relação ao eixo principal de inércia Y da seção transversal:

N_{ey} : 16864686.52 kN

Onde:

$K_y \cdot L_y$: Comprimento de flambagem por flexão em relação ao eixo Y.	$K_y \cdot L_y$:	0.250	m
I_y: Momento de inércia da seção transversal em relação ao eixo Y.	I_y :	53398.44	cm4
E: Módulo de elasticidade do aço.	**E** :	200000	MPa

(c) Para flambagem por torção em relação ao eixo longitudinal Z:

N_{ez} : 17530828.02 kN

Onde:

$K_z \cdot L_z$: Comprimento de flambagem por torção.	$K_z \cdot L_z$:	0.250	m
E: Módulo de elasticidade do aço.	**E** :	200000	MPa
C_w: Constante de empenamento da seção transversal.	C_w :	40382568.36	cm6
G: Módulo de elasticidade transversal do aço.	**G** :	77000	MPa
J: Constante de torção da seção transversal.	**J** :	3593.75	cm4
r_0: Raio de giração polar da seção bruta em relação ao centro de cisalhamento.			

r_0 : 27.00 cm

Onde:

r_x, r_y: Raios de giração em relação aos eixos principales X, Y, respectivamente.	r_x :	25.05	cm
	r_y :	10.09	cm
X_0, Y_0: Coordenadas do centro de cisalhamento na direção dos eixos principales X, Y, respectivamente.	X_0 :	0.00	mm
	Y_0 :	0.00	mm

Flambagem local de barras axialmente comprimidas: (ABNT NBR 8800:2008, Anexo F)

Não se aplica nenhuma redução, já que todos os elementos componentes da seção transversal possuem relações entre largura e espessura (b/t) que não superam os valores limite dados na Tabela F.1.

Mesa: Elemento do Grupo 5 da Tabela F.1.

4.00 ≤ **13.43**

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Sendo:

(b/t): Relação entre largura e espessura. **(b/t)** : *4.00*

Onde:

b: Largura. **b** : *200.00* mm

t: Espessura. **t** : *50.00* mm

$(b/t)_{lim}$: Relação limite entre largura e espessura.

$(b/t)_{lim}$: *13.43*

Onde:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

k_c : *0.76*

h: Altura da alma. **h** : *500.00* mm

t_w: Espessura da alma. **t_w** : *25.00* mm

Alma: Elemento do Grupo 2 da Tabela F.1.

20.00 ≤ **35.87**

Sendo:

(b/t): Relação entre largura e espessura. **(b/t)** : *20.00*

Onde:

b: Largura. **b** : *500.00* mm

t: Espessura. **t** : *25.00* mm

$(b/t)_{lim}$: Relação limite entre largura e espessura.

$(b/t)_{lim}$: *35.87*

Onde:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

Resistência à flexão eixo X (ABNT NBR 8800:2008, Artigo 5.4.2)

Deve satisfazer:

η : ***0.291*** ✓

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M_{Sd}^-: Momento fletor solicitante de cálculo, desfavorável. **M_{Sd}^-** : *1147.16* kN·m

Já que '$\lambda \leq \lambda_r$', deve-se considerar viga de alma não-esbelta (ABNT NBR 8800:2008, Anexo G). **20.00** ≤ **137.24**

Onde:

λ : *20.00*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *500.00* mm

t_w: Espessura da alma. **t_w** : *25.00* mm

λ_r : *137.24*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

O momento fletor resistente de cálculo M_{Rd} de vigas de alma não-esbelta deve ser tomado como o menor valor entre os obtidos nas seguintes seções: **M_{Rd}** : *3940.06* kN·m

(a) Máximo momento fletor resistente de cálculo (ABNT NBR 8800:2008, Artigo 5.4.2.2):

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M_{Rd} : *5165.20* kN·m

Onde:

W_x: Módulo de resistência elástico mínimo da seção transversal em relação ao eixo de flexão. W_x : *10979.17* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(b) Estado-límite último de flambagem lateral com torção, FLT (ABNT NBR 8800:2008, Anexo G):

2.48 ≤ **42.38**

M_{Rd} : *3940.06* kN·m

Onde:

λ : *2.48*

Sendo:

$L_{b,inf}$: Distância entre pontos travados à flambagem lateral. $L_{b,inf}$: *0.250* m

r_y: Raio de giração da seção em relação ao eixo principal de inércia perpendicular ao eixo de flexão. r_y : *10.09* cm

λ_p : *42.38*

Sendo:

E: Módulo de elasticidade do aço. E : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

M_{pl} : *4334.06* kN

Onde:

Z_x: Módulo de resistência plástico. Z_x : *12562.50* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(c) Estado-límite último de flambagem local da mesa comprimida, FLM (ABNT NBR 8800:2008, Anexo G):

4.00 ≤ **9.15**

M_{Rd} : *3940.06* kN·m

Onde:

λ : *4.00*

Sendo:

b_f: Largura da mesa comprimida. b_f : *400.00* mm

t_f: Espessura da mesa comprimida. t_f : *50.00* mm

λ_p : *9.15*

Sendo:

E: Módulo de elasticidade do aço. E : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

M_{pl} : *4334.06* kN

Onde:

Z_x: Módulo de resistência plástico. Z_x : *12562.50* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(d) Estado-limite último de flambagem local da alma, FLA (ABNT NBR 8800:2008, Anexo G):

20.00 ≤ **90.53**

M_{Rd} : *3940.06* kN·m

Onde:

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λ : *20.00*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *500.00* mm

$\mathbf{t_w}$: Espessura da alma. $\mathbf{t_w}$: *25.00* mm

λ_p : *90.53*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

$\mathbf{f_y}$: Resistência ao escoamento do aço. $\mathbf{f_y}$: *345.00* MPa

$\mathbf{M_{pl}}$: *4334.06* kN

Onde:

$\mathbf{Z_x}$: Módulo de resistência plástico. $\mathbf{Z_x}$: *12562.50* cm³

$\mathbf{f_y}$: Resistência ao escoamento do aço. $\mathbf{f_y}$: *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Resistência à flexão eixo Y (ABNT NBR 8800:2008, Artigo 5.4.2)

Deve satisfazer:

η : ***0.023*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N18, para a combinação de ações 1.5·PP+LAJE+PAVIMENTAÇÃO+RECAPEAMENTO+GUARDA-RODAS+1.4·Vento0 [NL].

$\mathbf{M_{Sd}^+}$: Momento fletor solicitante de cálculo, desfavorável. $\mathbf{M_{Sd}^+}$: *29.02* kN·m

O momento fletor resistente de cálculo M_{Rd} deve ser tomado como o menor valor entre os obtidos nas seguintes seções: $\mathbf{M_{Rd}}$: *1256.08* kN·m

(a) Máximo momento fletor resistente de cálculo (ABNT NBR 8800:2008, Artigo 5.4.2.2):

$\mathbf{M_{Rd}}$: *1256.08* kN·m

Onde:

$\mathbf{W_y}$: Módulo de resistência elástico mínimo da seção transversal em relação ao eixo de flexão. $\mathbf{W_y}$: *2669.92* cm³

$\mathbf{f_y}$: Resistência ao escoamento do aço. $\mathbf{f_y}$: *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(b) Estado-límite último de flambagem local da mesa comprimida, FLM (ABNT NBR 8800:2008, Anexo G):

4.00 ≤ **9.15**

$\mathbf{M_{Rd}}$: *1279.05* kN·m

Onde:

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λ : *4.00*

Sendo:

b_f: Largura da mesa comprimida. **b_f** : *400.00* mm

t_f: Espessura da mesa comprimida. **t_f** : *50.00* mm

λ_p : *9.15*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

M_{pl} : *1406.95* kN

Onde:

Z_y: Módulo de resistência plástico. **Z_y** : *4078.13* cm³

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Resistência ao esforço cortante X (ABNT NBR 8800:2008, Artigo 5.4.3)

Deve satisfazer:

η : ***0.001*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N236, para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL].

V_{Sd}: Esforço cortante solicitante de cálculo, desfavorável. **V_{Sd}** : *9.50* kN

A força cortante resistente de cálculo, V_{Rd}, é determinada pela expressão:

4.00 ≤ **29.01**

V_{Rd} : *7527.27* kN

Onde:

λ : *4.00*

Sendo:

b_f: Largura das mesas. **b_f** : *400.00* mm

t_f: Espessura das mesas. **t_f** : *50.00* mm

λ_p : *29.01*

Sendo:

k_v: Coeficiente de flambagem. **k_v** : *1.20*

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

V_{pl} : *8280.00* kN

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Sendo:

A_w: Área efetiva ao cisalhamento.

A_w : *400.00* cm²

γ_{a1}: Coeficiente de segurança do material. **γ_{a1}** : *1.10*

Resistência ao esforço cortante Y (ABNT NBR 8800:2008, Artigo 5.4.3)

Deve satisfazer:

η : ***0.781*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N18, para a combinação de ações 1.3·PP+1.3·LAJE+1.3·PAVIMENTAÇÃO+1.3·RECAPEAMENTO+1.3·GUARDA-RODAS+Multidão-Passeio+Multidão-TB450+TB-450-D1 [NL].

V_{Sd}: Esforço cortante solicitante de cálculo, desfavorável. **V_{Sd}** : *2204.49* kN

A força cortante resistente de cálculo, V_{Rd}, é determinada pela expressão:

20.00 ≤ **59.22**

V_{Rd} : *2822.73* kN

Onde:

λ : *20.00*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *500.00* mm

t_w: Espessura da alma. **t_w** : *25.00* mm

λ_p : *59.22*

Sendo:

k_v: Coeficiente de flambagem. **k_v** : *5.00*

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

V_{pl} : *3105.00* kN

Sendo:

A_w: Área efetiva ao cisalhamento.

A_w : *150.00* cm²

d: Altura total da seção transversal. **d** : *600.00* mm

γ_{a1}: Coeficiente de segurança do material. **γ_{a1}** : *1.10*

Os enrijecedores transversais não são levados em conta, já que não cumprem os seguintes requisitos:

18.75 ≤ **13.48**

Onde:

b: Largura dos elementos que formam os enrijecedores. **b** : *187.50* mm

t: Espessura dos elementos que formam os enrijecedores. **t** : *10.00* mm

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

5332.03 ≥ **1191.41**

Onde:

I_s : *5332.03* cm4

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Sendo:

b: Largura dos elementos que formam os enrijecedores. **b** : *187.50* mm

t: Espessura dos elementos que formam os enrijecedores. **t** : *10.00* mm

t_w: Espessura da alma. **t_w** : *25.00* mm

j : *1.91*

Sendo:

a: Distância entre as linhas de centro dos enrijecedores transversais adjacentes. **a** : *400.00* mm

h: Largura dos elementos que formam os enrijecedores. **h** : *500.00* mm

Resistência ao esforço axial e flexão combinados (ABNT NBR 8800:2008, Artigo 5.5.1.2)

Deve satisfazer:

η : ***0.318*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N18, para a combinação de ações 1.3·PP+1.3·LAJE+1.3·PAVIMENTAÇÃO+1.3·RECAPEAMENTO+1.3·GUARDA-RODAS+Multidão-Passeio+Multidão-TB450+TB-450-D1 [NL].

$N_{c,Sd}$: Força axial de compressão solicitante de cálculo, desfavorável. **$N_{c,Sd}$** : *859.44* kN

$M_{x,Sd}$: Momento fletor solicitante de cálculo, desfavorável. **$M_{x,Sd}^{-}$** : *1147.16* kN·m

$M_{y,Sd}$: Momento fletor solicitante de cálculo, desfavorável. **$M_{y,Sd}^{-}$** : *0.50* kN·m

0.052 < **0.200**

η : *0.318*

Onde:

$N_{c,Rd}$: Força axial resistente de cálculo de compressão (ABNT NBR 8800:2008, Artigo 5.3). **$N_{c,Rd}$** : *16458.51* kN

$M_{x,Rd}$, **$M_{y,Rd}$**: Momentos fletores resistentes de cálculo, respectivamente em relação aos eixos X e Y da seção transversal (ABNT NBR 8800:2008, Artigo 5.4.2). **$M_{x,Rd}$** : *3940.06* kN·m

$M_{y,Rd}$: *1256.08* kN·m

Resistência à torção (ABNT NBR 8800:2008, Artigo 5.5.2.1)

Já que a norma não proporciona uma verificação geral para seções não tubulares submetidas exclusivamente à torção, considera-se que este elemento também deve cumprir o seguinte critério:

Deve satisfazer:

η : ***0.273*** ✓

O esforço solicitante de cálculo desfavorável produz-se para a combinação de ações 1.5·PP+LAJE+PAVIMENTAÇÃO+RECAPEAMENTO+GUARDA-RODAS+1.4·Vento0 [NL].

T_{Sd}: Momento de torção solicitante de cálculo, desfavorável. **T_{Sd}** : *36.88* kN·m

O momento de torção resistente de cálculo, T_{Rd}, é determinado pela expressão:

T_{Rd} : *135.26* kN·m

Onde:

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W_T: Módulo de resistência à torção.	**W_T** : *718.75*	cm³
f_y: Resistência ao escoamento do aço.	**f_y** : *345.00*	MPa
γ_{a1}: Coeficiente de segurança do material.	γ_{a1} : *1.10*	

Resistência ao momento de torção, força axial, momento fletor e cortante (ABNT NBR 8800:2008, Artigo 5.5.2.2)

Este caso não está contemplado pela norma e, portanto, não é possível realizar a verificação.

Resistência a interações de esforços e momento de torção (ABNT NBR 8800:2008, Artigo 5.5.2.3)

Deve satisfazer:

η : ***0.046*** ✓

η : ***0.970*** ✓

(Já que a norma não proporciona uma verificação da tensão total para seções submetidas a torção combinada com outros esforços, considera-se que este elemento também deve cumprir os seguintes critérios para a tensão de Von Mises:)

η : ***0.876*** ✓

O coeficiente de aproveitamento desfavorável produz-se no nó N18, para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL] no ponto da seção transversal de coordenadas X = 0.00 mm, Y = 0.00 mm em relação ao centro de gravidade.

As tensões normais σ_{Sd} são dadas por:

σ_{Sd} : *-14.31* MPa

Onde:

σ_{NSd} : *-14.31* MPa

Sendo:

$N_{c,Sd}$: Força axial de compressão solicitante de cálculo, desfavorável.	**$N_{c,Sd}$** : *751.28*	kN
Q: Fator de redução total associado à flambagem local (ABNT NBR 8800:2008, Anexo F).	**Q** : *1.000*	
A_g: Área bruta da seção transversal da barra.	**A_g** : *525.00*	cm²

$\sigma_{Mx,Sd}$: *0.00* MPa

Sendo:

$M_{x,Sd}$: Momento fletor solicitante de cálculo, desfavorável.	**$M_{x,Sd}$** : *996.72*	kN·m
I_x: Momento de inércia da seção transversal em relação ao eixo X.	**I_x** : *329375.00*	cm4
Y: Coordenada, em relação ao eixo Y, do ponto desfavorável da seção transversal em relação ao centro de gravidade da seção bruta.	**Y** : *0.00*	mm

$\sigma_{My,Sd}$: *0.00* MPa

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Sendo:

$M_{y,Sd}$: Momento fletor solicitante de cálculo, desfavorável. **$M_{y,Sd}^{+}$** : *29.01* kN·m

I_y: Momento de inércia da seção transversal em relação ao eixo Y. **I_y** : *53398.44* cm4

X: Coordenada, em relação ao eixo X, do ponto desfavorável da seção transversal em relação ao centro de gravidade da seção bruta. **X** : *0.00* mm

As tensões tangenciais τ_{Sd} são dadas por:

τ_{Sd} : *174.32* MPa

Onde:

$\tau_{Vx,Sd}$: *0.00* MPa

Sendo:

$V_{x,Sd}^{+}$: Esforço cortante solicitante de cálculo, desfavorável. **$V_{x,Sd}^{+}$** : *9.18* kN

S_y: Momento estático, em relação ao eixo Y, da parte da seção situada a um lado do ponto de verificação. **S_y** : *0.00* cm³

I_y: Momento de inércia da seção transversal em relação ao eixo Y. **I_y** : *53398.44* cm4

t: Espessura. **t** : *25.00* mm

$\tau_{Vy,Sd}$: *148.87* MPa

Sendo:

$V_{y,Sd}^{-}$: Esforço cortante solicitante de cálculo, desfavorável. **$V_{y,Sd}^{-}$** : *1901.98* kN

S_x: Momento estático, em relação ao eixo X, da parte da seção situada a um lado do ponto de verificação. **S_x** : *6445.31* cm³

I_x: Momento de inércia da seção transversal em relação ao eixo X. **I_x** : *329375.00* cm4

t: Espessura. **t** : *25.00* mm

τ_{TSd} : *25.44* MPa

Sendo:

T_{Sd}: Momento de torção solicitante de cálculo, desfavorável. **T_{Sd}** : *36.57* kN·m

J: Constante de torção da seção transversal. **J** : *3593.75* cm4

t: Espessura. **t** : *25.00* mm

As tensões totais f_{Sd} são dadas por:

f_{Sd} : *302.26* MPa

A tensão resistente de cálculo, σ_{Rd}, é dada pelo menor valor entre os obtidos por a) e b): **σ_{Rd}** : *313.50* MPa

(a) Tensão resistente de cálculo para os estados-limites de escoamento sob efeito de tensão normal:

σ_{Rd} : *313.64* MPa

Onde:

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. **γ_{a1}** : *1.10*

(b) Tensão resistente de cálculo para os estados-limites de instabilidade ou flambagem sob efeito de tensão normal:

σ_{Rd} : *313.50* MPa

Onde:

χ: Fator de redução total associado à resistência à compressão (ABNT NBR 8800:2008, Artigo 5.3.3).

χ : *1.000*

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Sendo:

λ_0 : *0.033*

σ_e : *321232.12* MPa

Onde:

N_e: Força axial de flambagem elástica. **N_e** : *16864686.52* kN

Q: Fator de redução total associado à flambagem local (ABNT NBR 8800:2008, Anexo F). **Q** : *1.000*

A_g: Área bruta da seção transversal da barra. **A_g** : *525.00* cm²

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

A tensão resistente de cálculo, τ_{Rd}, é dada pelo menor valor entre os obtidos por a) e b): τ_{Rd} : *179.65* MPa

(a) Tensão resistente de cálculo para os estados-limites de escoamento sob efeito de tensão de cisalhamento:

τ_{Rd} : *188.18* MPa

Onde:

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(b) Tensão resistente de cálculo para os estados-limites de instabilidade ou flambagem sob efeito de tensão cisalhamento:

τ_{Rd} : *179.65* MPa

Onde:

χ: Fator de redução total associado à resistência à compressão (ABNT NBR 8800:2008, Artigo 5.3.3).

χ : *0.955*

Sendo:

λ_0 : *0.333*

τ_e : *1867.38* MPa

σ_E : *373.48* MPa

Onde:

k_v: Coeficiente de flambagem (ABNT NBR 8800:2008, Artigo 5.4.3). **k_v** : *5.00*

E: Módulo de elasticidade do aço. **E** : *200000* MPa

ν: Coeficiente de Poisson. **ν** : *0.30*

t: Espessura. **t** : *25.00* mm

h: Largura. **h** : *550.00* mm

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

A tensão resistente de cálculo, f_{Rd} é dada por:

f_{Rd} : *345.00* MPa

Onde:

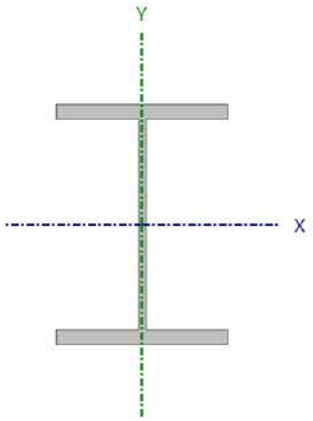
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f_y: Resistência ao escoamento do aço.	f_y : *345.00*	MPa
γ_{a1}: Coeficiente de segurança do material.	γ_{a1} : *1.10*	

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Barra N211/N234

Perfil: CVS 350x118
Material: Aço (A-588 345MPa)



Nós		Comprimento (m)	Características mecânicas			
Inicial	Final		Área (cm²)	I_x(1) (cm4)	I_y(1) (cm4)	I_t(2) (cm4)
N211	N234	6.113	150.15	33058.22	5838.30	207.19

Notas:
(1) Inércia em relação ao eixo indicado
(2) Momento de inércia à torção uniforme

	Flambagem		Flambagem lateral	
	Plano ZX	Plano ZY	Aba sup.	Aba inf.
β	1.00	1.00	1.00	1.00
L_K	6.113	6.113	6.113	6.113
C_b	-		1.000	

Notação:
β: Coeficiente de flambagem
L_K: Comprimento de flambagem (m)
C_b: Fator de modificação para o momento crítico

Limitação do índice de esbeltez (ABNT NBR 8800:2008, Artigo 5.3.4)

O índice de esbeltez das barras comprimidas, tomado como o maior relação entre o comprimento de flambagem e o raio de giração, não deve ser superior a 200.

λ : ***98.0*** ✓

Onde:

λ: Índice de esbeltez.

λ_x : *41.2*

λ_y : *98.0*

Sendo:

$K_x \cdot L_x$: Comprimento de flambagem por flexão em relação ao eixo X. — $K_x \cdot L_x$: *6.113* m

$K_y \cdot L_y$: Comprimento de flambagem por flexão em relação ao eixo Y. — $K_y \cdot L_y$: *6.113* m

r_x,r_y: Raios de giração em relação aos eixos principales X, Y, respectivamente. — r_x : *14.84* cm; r_y : *6.24* cm

Resistência à tração (ABNT NBR 8800:2008, Artigo 5.2)

A verificação não será executada, já que não existe esforço axial de tração.

Resistência à compressão (ABNT NBR 8800:2008, Artigo 5.3)

Deve satisfazer:

η : ***0.603*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N211, para a combinação de ações 1.3·PP+1.3·LAJE+1.3·PAVIMENTAÇÃO+1.3·RECAPEAMENTO+1.3·GUARDA-RODAS+Multidão-Passeio+Multidão-TB450+TB-450-D2 [NL].

$N_{c,Sd}$: Força axial de compressão solicitante de cálculo, desfavorável. — $N_{c,Sd}$: *1405.31* kN

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A força axial de compressão resistente de cálculo, $N_{c,Rd}$, deve ser determinada pela expressão:

$N_{c,Rd}$: 2331.43 kN

Onde:

- χ: Fator de redução total associado à resistência à compressão. — χ : 0.495
- **Q**: Fator de redução total associado à flambagem local. — **Q** : 1.000
- A_g: Área bruta da seção transversal da barra. — A_g : 150.15 cm²
- f_y: Resistência ao escoamento do aço. — f_y : 345.00 MPa
- γ_{a1}: Coeficiente de segurança do material. — γ_{a1} : 1.10

Fator de redução χ: (ABNT NBR 8800:2008, Artigo 5.3.3)

χ : 0.495

Onde:

λ_0: Índice de esbeltez reduzido.

λ_0 : 1.296

Sendo:

- **Q**: Fator de redução total associado à flambagem local. — **Q** : 1.000
- A_g: Área bruta da seção transversal da barra. — A_g : 150.15 cm²
- f_y: Resistência ao escoamento do aço. — f_y : 345.00 MPa
- N_e: Força axial de flambagem elástica. — N_e : 3083.96 kN

Força axial de flambagem elástica: (ABNT NBR 8800:2008, Anexo E)

A força axial de flambagem elástica, N_e, de uma barra com seção transversal duplamente simétrica ou simétrica em relação a um ponto, é dada pelo menor valor entre os obtidos por (a), (b) e (c): N_e : 3083.96 kN

(a) Para flambagem por flexão em relação ao eixo principal de inércia X da seção transversal:

N_{ex} : 17462.31 kN

Onde:

- $K_x \cdot L_x$: Comprimento de flambagem por flexão em relação ao eixo X. — $K_x \cdot L_x$: 6.113 m
- I_x: Momento de inércia da seção transversal em relação ao eixo X. — I_x : 33058.22 cm4
- **E**: Módulo de elasticidade do aço. — **E** : 200000 MPa

(b) Para flambagem por flexão em relação ao eixo principal de inércia Y da seção transversal:

N_{ey} : 3083.96 kN

Onde:

- $K_y \cdot L_y$: Comprimento de flambagem por flexão em relação ao eixo Y. — $K_y \cdot L_y$: 6.113 m
- I_y: Momento de inércia da seção transversal em relação ao eixo Y. — I_y : 5838.30 cm4
- **E**: Módulo de elasticidade do aço. — **E** : 200000 MPa

(c) Para flambagem por torção em relação ao eixo longitudinal Z:

N_{ez} : 9352.71 kN

Onde:

- $K_z \cdot L_z$: Comprimento de flambagem por torção. — $K_z \cdot L_z$: 6.113 m
- **E**: Módulo de elasticidade do aço. — **E** : 200000 MPa
- C_w: Constante de empenamento da seção transversal. — C_w : 1566441.79 cm6
- **G**: Módulo de elasticidade transversal do aço. — **G** : 77000 MPa
- **J**: Constante de torção da seção transversal. — **J** : 207.19 cm4
- r_0: Raio de giração polar da seção bruta em relação ao centro de cisalhamento.

r_0 : 16.10 cm

Onde:

- r_x, r_y: Raios de giração em relação aos eixos principales X, Y, respectivamente. — r_x : 14.84 cm; r_y : 6.24 cm
- X_0, Y_0: Coordenadas do centro de cisalhamento na direção dos eixos principales X, Y, respectivamente. — X_0 : 0.00 mm; Y_0 : 0.00 mm

Flambagem local de barras axialmente comprimidas: (ABNT NBR 8800:2008, Anexo F)

Não se aplica nenhuma redução, já que todos os elementos componentes da seção transversal possuem relações entre largura e espessura (b/t) que não superam os valores limite dados na Tabela F.1.

Mesa: Elemento do Grupo 5 da Tabela F.1.

5.58 ≤ **13.43**

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Sendo:

(b/t): Relação entre largura e espessura. **(b/t)** : *5.58*

Onde:

b: Largura. **b** : *125.00* mm

t: Espessura. **t** : *22.40* mm

$(b/t)_{lim}$: Relação limite entre largura e espessura.

$(b/t)_{lim}$: *13.43*

Onde:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

k_c : *0.76*

h: Altura da alma. **h** : *305.20* mm

t_w: Espessura da alma. **t_w** : *12.50* mm

Alma: Elemento do Grupo 2 da Tabela F.1.

24.42 ≤ **35.87**

Sendo:

(b/t): Relação entre largura e espessura. **(b/t)** : *24.42*

Onde:

b: Largura. **b** : *305.20* mm

t: Espessura. **t** : *12.50* mm

$(b/t)_{lim}$: Relação limite entre largura e espessura.

$(b/t)_{lim}$: *35.87*

Onde:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

Resistência à flexão eixo X (ABNT NBR 8800:2008, Artigo 5.4.2)

Deve satisfazer:

η : ***0.396*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N234, para a combinação de ações 1.3·PP+1.3·LAJE+1.3·PAVIMENTAÇÃO+1.3·RECAPEAMENTO+1.3·GUARDA-RODAS+Multidão-Passeio+Multidão-TB450+TB-450-D2 [NL].

M_{sd}^-: Momento fletor solicitante de cálculo, desfavorável. **M_{sd}^-** : *218.45* kN·m

Já que '$\lambda \leq \lambda_r$', deve-se considerar viga de alma não-esbelta (ABNT NBR 8800:2008, Anexo G). **24.42** ≤ **137.24**

Onde:

λ : *24.42*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *305.20* mm

t_w: Espessura da alma. **t_w** : *12.50* mm

λ_r : *137.24*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

O momento fletor resistente de cálculo M_{Rd} de vigas de alma não-esbelta deve ser tomado como o menor valor entre os obtidos nas seguintes seções: **M_{Rd}** : *551.66* kN·m

(a) Máximo momento fletor resistente de cálculo (ABNT NBR 8800:2008, Artigo 5.4.2.2):

M_{Rd} : *888.71* kN·m

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Onde:

W_x: Módulo de resistência elástico mínimo da seção transversal em relação ao eixo de flexão. W_x : *1889.04* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(b) Estado-límite último de flambagem lateral com torção, FLT (ABNT NBR 8800:2008, Anexo G):

98.03 > **42.38**

98.03 ≤ **164.29**

M_{Rd} : *551.66* kN·m

Onde:

λ : *98.03*

Sendo:

$L_{b,inf}$: Distância entre pontos travados à flambagem lateral. $L_{b,inf}$: *6.113* m

r_y: Raio de giração da seção em relação ao eixo principal de inércia perpendicular ao eixo de flexão. r_y : *6.24* cm

λ_p : *42.38*

Sendo:

E: Módulo de elasticidade do aço. E : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

λ_r : *164.29*

Sendo:

I_y: Momento de inércia da seção transversal em relação ao eixo Y. I_y : *5838.30* cm4

J: Constante de torção da seção transversal. J : *207.19* cm4

C_w: Constante de empenamento da seção transversal. C_w : *1566441.79* cm6

β_1 : *0.011* cm-1

M_{pl} : *733.35* kN

Onde:

Z_x: Módulo de resistência plástico. Z_x : *2125.64* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

M_r : *456.20* kN·m

Sendo:

W_x: Módulo de resistência elástico mínimo da seção transversal em relação ao eixo de flexão. W_x : *1889.04* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

σ_r : *103.50* MPa

C_b: Fator de modificação para diagrama de momento fletor não-uniforme. C_b : *1.00*

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(c) Estado-límite último de flambagem local da mesa comprimida, FLM (ABNT NBR 8800:2008, Anexo G):

5.58 ≤ **9.15**

M_{Rd} : *666.68* kN·m

Onde:

λ : *5.58*

Sendo:

b_f: Largura da mesa comprimida. b_f : *250.00* mm

t_f: Espessura da mesa comprimida. t_f : *22.40* mm

λ_p : *9.15*

Sendo:

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E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

M_{pl} : *733.35* kN

Onde:

Z_x: Módulo de resistência plástico. Z_x : *2125.64* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(d) Estado-limite último de flambagem local da alma, FLA (ABNT NBR 8800:2008, Anexo G):

24.42 ≤ **90.53**

M_{Rd} : *666.68* kN·m

Onde:

λ : *24.42*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *305.20* mm

t_w: Espessura da alma. t_w : *12.50* mm

λ_p : *90.53*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

M_{pl} : *733.35* kN

Onde:

Z_x: Módulo de resistência plástico. Z_x : *2125.64* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Resistência à flexão eixo Y (ABNT NBR 8800:2008, Artigo 5.4.2)

Deve satisfazer:

η : ***0.004*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N211, para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL].

M_{Sd}^+: Momento fletor solicitante de cálculo, desfavorável. M_{Sd}^+ : *0.98* kN·m

O momento fletor resistente de cálculo M_{Rd} deve ser tomado como o menor valor entre os obtidos nas seguintes seções: M_{Rd} : *219.73* kN·m

(a) Máximo momento fletor resistente de cálculo (ABNT NBR 8800:2008, Artigo 5.4.2.2):

M_{Rd} : *219.73* kN·m

Onde:

W_y: Módulo de resistência elástico mínimo da seção transversal em relação ao eixo de flexão. W_y : *467.06* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

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(b) Estado-límite último de flambagem local da mesa comprimida, FLM (ABNT NBR 8800:2008, Anexo G):

5.58 ≤ **9.15**

M_{Rd} : *223.28* kN·m

Onde:

λ : *5.58*

Sendo:

b_f: Largura da mesa comprimida. b_f : *250.00* mm

t_f: Espessura da mesa comprimida. t_f : *22.40* mm

λ_p : *9.15*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

M_{pl} : *245.61* kN

Onde:

Z_y: Módulo de resistência plástico. Z_y : *711.92* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Resistência ao esforço cortante X (ABNT NBR 8800:2008, Artigo 5.4.3)

Deve satisfazer:

η < ***0.001*** ✓

O esforço solicitante de cálculo desfavorável produz-se para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL].

V_{Sd}: Esforço cortante solicitante de cálculo, desfavorável. V_{Sd} : *0.02* kN

A força cortante resistente de cálculo, V_{Rd}, é determinada pela expressão:

5.58 ≤ **29.01**

V_{Rd} : *2107.64* kN

Onde:

λ : *5.58*

Sendo:

b_f: Largura das mesas. b_f : *250.00* mm

t_f: Espessura das mesas. t_f : *22.40* mm

λ_p : *29.01*

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Sendo:

k_v: Coeficiente de flambagem. k_v : *1.20*

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

V_{pl} : *2318.40* kN

Sendo:

A_w: Área efetiva ao cisalhamento.

A_w : *112.00* cm²

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Resistência ao esforço cortante Y (ABNT NBR 8800:2008, Artigo 5.4.3)

Deve satisfazer:

η : ***0.085*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N234, para a combinação de ações 1.3·PP+1.3·LAJE+1.3·PAVIMENTAÇÃO+1.3·RECAPEAMENTO+1.3·GUARDA-RODAS+Multidão-Passeio+Multidão-TB450+TB-450-D2 [NL].

V_{Sd}: Esforço cortante solicitante de cálculo, desfavorável. V_{Sd} : *69.85* kN

A força cortante resistente de cálculo, V_{Rd}, é determinada pela expressão:

24.42 ≤ **59.22**

V_{Rd} : *823.30* kN

Onde:

λ : *24.42*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *305.20* mm

t_w: Espessura da alma. t_w : *12.50* mm

λ_p : *59.22*

Sendo:

k_v: Coeficiente de flambagem. k_v : *5.00*

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

V_{pl} : *905.63* kN

Sendo:

A_w: Área efetiva ao cisalhamento.

A_w : *43.75* cm²

d: Altura total da seção transversal. **d** : *350.00* mm

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

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Resistência ao esforço axial e flexão combinados (ABNT NBR 8800:2008, Artigo 5.5.1.2)

Deve satisfazer:

η : ***0.951*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N234, para a combinação de ações 1.3·PP+1.3·LAJE+1.3·PAVIMENTAÇÃO+1.3·RECAPEAMENTO+1.3·GUARDA-RODAS+Multidão-Passeio+Multidão-TB450+TB-450-D2 [NL].

$N_{c,Sd}$: Força axial de compressão solicitante de cálculo, desfavorável.	**$N_{c,Sd}$** : *1396.20* kN
$M_{x,Sd}$: Momento fletor solicitante de cálculo, desfavorável.	**$M_{x,Sd}$** : *218.45* kN·m
$M_{y,Sd}$: Momento fletor solicitante de cálculo, desfavorável.	**$M_{y,Sd}$** : *0.05* kN·m

0.599 ≥ **0.200**

η : *0.951*

Onde:

$N_{c,Rd}$: Força axial resistente de cálculo de compressão (ABNT NBR 8800:2008, Artigo 5.3).	**$N_{c,Rd}$** : *2331.43* kN
$M_{x,Rd}$,$M_{y,Rd}$: Momentos fletores resistentes de cálculo, respectivamente em relação aos eixos X e Y da seção transversal (ABNT NBR 8800:2008, Artigo 5.4.2).	**$M_{x,Rd}$** : *551.66* kN·m **$M_{y,Rd}$** : *219.73* kN·m

Resistência à torção (ABNT NBR 8800:2008, Artigo 5.5.2.1)

Já que a norma não proporciona uma verificação geral para seções não tubulares submetidas exclusivamente à torção, considera-se que este elemento também deve cumprir o seguinte critério:

Deve satisfazer:

η : ***0.004*** ✓

O esforço solicitante de cálculo desfavorável produz-se para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL].

T_{Sd}: Momento de torção solicitante de cálculo, desfavorável. **T_{Sd}** : *0.07* kN·m

O momento de torção resistente de cálculo, T_{Rd}, é determinado pela expressão:

T_{Rd} : *17.41* kN·m

Onde:

W_T: Módulo de resistência à torção.	**W_T** : *92.50* cm³
f_y: Resistência ao escoamento do aço.	**f_y** : *345.00* MPa
γ_{a1}: Coeficiente de segurança do material.	**γ_{a1}** : *1.10*

Resistência ao momento de torção, força axial, momento fletor e cortante (ABNT NBR 8800:2008, Artigo 5.5.2.2)

Este caso não está contemplado pela norma e, portanto, não é possível realizar a verificação.

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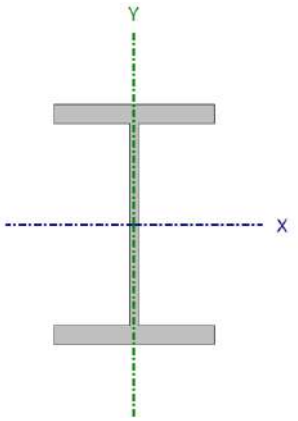
Resistência a interações de esforços e momento de torção (ABNT NBR 8800:2008, Artigo 5.5.2.3)

Não há interação entre os dois esforços cortantes nem entre o momento torsor, esforço axial, momentos fletores e esforços cortantes. Portanto, a verificação não é necessária.

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Barra N8/N154

Perfil: CVS 600x412 (Espaç. entre enrijecedores: 400 mm. Espessura: 10 mm)
Material: Aço (A-588 345MPa)



Nós		Comprimento (m)	Características mecânicas			
Inicial	Final		Área (cm²)	$I_x^{(1)}$ (cm4)	$I_y^{(1)}$ (cm4)	$I_t^{(2)}$ (cm4)
N8	N154	0.250	525.00	329375.00	53398.44	3593.75

Notas:
(1) Inércia em relação ao eixo indicado
(2) Momento de inércia à torção uniforme

	Flambagem		Flambagem lateral	
	Plano ZX	Plano ZY	Aba sup.	Aba inf.
β	1.00	1.00	1.00	1.00
L_K	0.250	0.250	0.250	0.250
C_b	-		1.000	

Notação:
β: Coeficiente de flambagem
L_K: Comprimento de flambagem (m)
C_b: Fator de modificação para o momento crítico

Limitação do índice de esbeltez (ABNT NBR 8800:2008, Artigo 5.3.4)

O índice de esbeltez das barras comprimidas, tomado como o maior relação entre o comprimento de flambagem e o raio de giração, não deve ser superior a 200.

λ : ***2.5*** ✓

Onde:

λ: Índice de esbeltez.

λ_x : *1.0*

λ_y : *2.5*

Sendo:

$K_x \cdot L_x$: Comprimento de flambagem por flexão em relação ao eixo X. — **$K_x \cdot L_x$** : *0.250* m

$K_y \cdot L_y$: Comprimento de flambagem por flexão em relação ao eixo Y. — **$K_y \cdot L_y$** : *0.250* m

r_x,r_y: Raios de giração em relação aos eixos principales X, Y, respectivamente.

r_x : *25.05* cm

r_y : *10.09* cm

Resistência à tração (ABNT NBR 8800:2008, Artigo 5.2)

A verificação não será executada, já que não existe esforço axial de tração.

Resistência à compressão (ABNT NBR 8800:2008, Artigo 5.3)

Deve satisfazer:

η : ***0.056*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N8, para a combinação de ações 1.3·PP+1.3·LAJE+1.3·PAVIMENTAÇÃO+1.3·RECAPEAMENTO+1.3·GUARDA-RODAS+Multidão-Passeio+Multidão-TB450+TB-450-B1 [NL].

$N_{c,Sd}$: Força axial de compressão solicitante de cálculo, desfavorável. — **$N_{c,Sd}$** : *913.80* kN

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A força axial de compressão resistente de cálculo, $N_{c,Rd}$, deve ser determinada pela expressão:

$N_{c,Rd}$: 16458.51 kN

Onde:

χ: Fator de redução total associado à resistência à compressão.	χ :	1.000	
Q: Fator de redução total associado à flambagem local.	**Q** :	1.000	
A_g: Área bruta da seção transversal da barra.	A_g :	525.00	cm²
f_y: Resistência ao escoamento do aço.	f_y :	345.00	MPa
γ_{a1}: Coeficiente de segurança do material.	γ_{a1} :	1.10	

Fator de redução χ: (ABNT NBR 8800:2008, Artigo 5.3.3)

χ : 1.000

Onde:

λ_0: Índice de esbeltez reduzido.

λ_0 : 0.033

Sendo:

Q: Fator de redução total associado à flambagem local.	**Q** :	1.000	
A_g: Área bruta da seção transversal da barra.	A_g :	525.00	cm²
f_y: Resistência ao escoamento do aço.	f_y :	345.00	MPa
N_e: Força axial de flambagem elástica.	N_e :	16864686.52	kN

Força axial de flambagem elástica: (ABNT NBR 8800:2008, Anexo E)

A força axial de flambagem elástica, N_e, de uma barra com seção transversal duplamente simétrica ou simétrica em relação a um ponto, é dada pelo menor valor entre os obtidos por (a), (b) e (c):

N_e : 16864686.52 kN

(a) Para flambagem por flexão em relação ao eixo principal de inércia X da seção transversal:

N_{ex} : 104025630.39 kN

Onde:

$K_x \cdot L_x$: Comprimento de flambagem por flexão em relação ao eixo X.	$K_x \cdot L_x$:	0.250	m
I_x: Momento de inércia da seção transversal em relação ao eixo X.	I_x :	329375.00	cm4
E: Módulo de elasticidade do aço.	**E** :	200000	MPa

(b) Para flambagem por flexão em relação ao eixo principal de inércia Y da seção transversal:

N_{ey} : 16864686.52 kN

Onde:

$K_y \cdot L_y$: Comprimento de flambagem por flexão em relação ao eixo Y.	$K_y \cdot L_y$:	0.250	m
I_y: Momento de inércia da seção transversal em relação ao eixo Y.	I_y :	53398.44	cm4
E: Módulo de elasticidade do aço.	**E** :	200000	MPa

(c) Para flambagem por torção em relação ao eixo longitudinal Z:

N_{ez} : 17530828.02 kN

Onde:

$K_z \cdot L_z$: Comprimento de flambagem por torção.	$K_z \cdot L_z$:	0.250	m
E: Módulo de elasticidade do aço.	**E** :	200000	MPa
C_w: Constante de empenamento da seção transversal.	C_w :	40382568.36	cm6
G: Módulo de elasticidade transversal do aço.	**G** :	77000	MPa
J: Constante de torção da seção transversal.	**J** :	3593.75	cm4

r_0: Raio de giração polar da seção bruta em relação ao centro de cisalhamento.

r_0 : 27.00 cm

Onde:

r_x, r_y: Raios de giração em relação aos eixos principales X, Y, respectivamente.	r_x :	25.05	cm
	r_y :	10.09	cm
X_0, Y_0: Coordenadas do centro de cisalhamento na direção dos eixos principales X, Y, respectivamente.	X_0 :	0.00	mm
	Y_0 :	0.00	mm

Flambagem local de barras axialmente comprimidas: (ABNT NBR 8800:2008, Anexo F)

Não se aplica nenhuma redução, já que todos os elementos componentes da seção transversal possuem relações entre largura e espessura (b/t) que não superam os valores limite dados na Tabela F.1.

Mesa: Elemento do Grupo 5 da Tabela F.1.

4.00 ≤ **13.43**

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Sendo:

(b/t): Relação entre largura e espessura. **(b/t)** : *4.00*

Onde:

b: Largura. **b** : *200.00* mm

t: Espessura. **t** : *50.00* mm

$(b/t)_{lim}$: Relação limite entre largura e espessura.

$(b/t)_{lim}$: *13.43*

Onde:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

k_c : *0.76*

h: Altura da alma. **h** : *500.00* mm

t_w: Espessura da alma. **t_w** : *25.00* mm

Alma: Elemento do Grupo 2 da Tabela F.1.

20.00 ≤ **35.87**

Sendo:

(b/t): Relação entre largura e espessura. **(b/t)** : *20.00*

Onde:

b: Largura. **b** : *500.00* mm

t: Espessura. **t** : *25.00* mm

$(b/t)_{lim}$: Relação limite entre largura e espessura.

$(b/t)_{lim}$: *35.87*

Onde:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

Resistência à flexão eixo X (ABNT NBR 8800:2008, Artigo 5.4.2)

Deve satisfazer:

η : ***0.239*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N8, para a combinação de ações 1.3·PP+1.3·LAJE+1.3·PAVIMENTAÇÃO+1.3·RECAPEAMENTO+1.3·GUARDA-RODAS+Multidão-Passeio+Multidão-TB450+TB-450-B1 [NL].

M_{Sd}^-: Momento fletor solicitante de cálculo, desfavorável. **M_{Sd}^-** : *942.62* kN·m

Já que '$\lambda \leq \lambda_r$', deve-se considerar viga de alma não-esbelta (ABNT NBR 8800:2008, Anexo G). **20.00** ≤ **137.24**

Onde:

λ : *20.00*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *500.00* mm

t_w: Espessura da alma. **t_w** : *25.00* mm

λ_r : *137.24*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

O momento fletor resistente de cálculo M_{Rd} de vigas de alma não-esbelta deve ser tomado como o menor valor entre os obtidos nas seguintes seções: **M_{Rd}** : *3940.06* kN·m

(a) Máximo momento fletor resistente de cálculo (ABNT NBR 8800:2008, Artigo 5.4.2.2):

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M_{Rd} : *5165.20* kN·m

Onde:

W_x: Módulo de resistência elástico mínimo da seção transversal em relação ao eixo de flexão. W_x : *10979.17* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(b) Estado-límite último de flambagem lateral com torção, FLT (ABNT NBR 8800:2008, Anexo G):

2.48 ≤ **42.38**

M_{Rd} : *3940.06* kN·m

Onde:

λ : *2.48*

Sendo:

$L_{b,inf}$: Distância entre pontos travados à flambagem lateral. $L_{b,inf}$: *0.250* m

r_y: Raio de giração da seção em relação ao eixo principal de inércia perpendicular ao eixo de flexão. r_y : *10.09* cm

λ_p : *42.38*

Sendo:

E: Módulo de elasticidade do aço. E : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

M_{pl} : *4334.06* kN

Onde:

Z_x: Módulo de resistência plástico. Z_x : *12562.50* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(c) Estado-límite último de flambagem local da mesa comprimida, FLM (ABNT NBR 8800:2008, Anexo G):

4.00 ≤ **9.15**

M_{Rd} : *3940.06* kN·m

Onde:

λ : *4.00*

Sendo:

b_f: Largura da mesa comprimida. b_f : *400.00* mm

t_f: Espessura da mesa comprimida. t_f : *50.00* mm

λ_p : *9.15*

Sendo:

E: Módulo de elasticidade do aço. E : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

M_{pl} : *4334.06* kN

Onde:

Z_x: Módulo de resistência plástico. Z_x : *12562.50* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(d) Estado-limite último de flambagem local da alma, FLA (ABNT NBR 8800:2008, Anexo G):

20.00 ≤ **90.53**

M_{Rd} : *3940.06* kN·m

Onde:

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λ : *20.00*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *500.00* mm

$\mathbf{t_w}$: Espessura da alma. $\mathbf{t_w}$: *25.00* mm

λ_p : *90.53*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

$\mathbf{f_y}$: Resistência ao escoamento do aço. $\mathbf{f_y}$: *345.00* MPa

$\mathbf{M_{pl}}$: *4334.06* kN

Onde:

$\mathbf{Z_x}$: Módulo de resistência plástico. $\mathbf{Z_x}$: *12562.50* cm³

$\mathbf{f_y}$: Resistência ao escoamento do aço. $\mathbf{f_y}$: *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Resistência à flexão eixo Y (ABNT NBR 8800:2008, Artigo 5.4.2)

Deve satisfazer:

η : ***0.023*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N8, para a combinação de ações 1.5·PP+LAJE+PAVIMENTAÇÃO+RECAPEAMENTO+GUARDA-RODAS+1.4·Vento0 [NL].

$\mathbf{M_{Sd}^-}$: Momento fletor solicitante de cálculo, desfavorável. $\mathbf{M_{Sd}^-}$: *28.92* kN·m

O momento fletor resistente de cálculo M_{Rd} deve ser tomado como o menor valor entre os obtidos nas seguintes seções: $\mathbf{M_{Rd}}$: *1256.08* kN·m

(a) Máximo momento fletor resistente de cálculo (ABNT NBR 8800:2008, Artigo 5.4.2.2):

$\mathbf{M_{Rd}}$: *1256.08* kN·m

Onde:

$\mathbf{W_y}$: Módulo de resistência elástico mínimo da seção transversal em relação ao eixo de flexão. $\mathbf{W_y}$: *2669.92* cm³

$\mathbf{f_y}$: Resistência ao escoamento do aço. $\mathbf{f_y}$: *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(b) Estado-límite último de flambagem local da mesa comprimida, FLM (ABNT NBR 8800:2008, Anexo G):

4.00 ≤ **9.15**

$\mathbf{M_{Rd}}$: *1279.05* kN·m

Onde:

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λ : *4.00*

Sendo:

b_f: Largura da mesa comprimida. **b_f** : *400.00* mm

t_f: Espessura da mesa comprimida. **t_f** : *50.00* mm

λ_p : *9.15*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

M_{pl} : *1406.95* kN

Onde:

Z_y: Módulo de resistência plástico. **Z_y** : *4078.13* cm³

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Resistência ao esforço cortante X (ABNT NBR 8800:2008, Artigo 5.4.3)

Deve satisfazer:

η : ***0.001*** ✓

O esforço solicitante de cálculo desfavorável produz-se para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento180 [NL].

V_{Sd}: Esforço cortante solicitante de cálculo, desfavorável. **V_{Sd}** : *10.54* kN

A força cortante resistente de cálculo, V_{Rd}, é determinada pela expressão:

4.00 ≤ **29.01**

V_{Rd} : *7527.27* kN

Onde:

λ : *4.00*

Sendo:

b_f: Largura das mesas. **b_f** : *400.00* mm

t_f: Espessura das mesas. **t_f** : *50.00* mm

λ_p : *29.01*

Sendo:

k_v: Coeficiente de flambagem. **k_v** : *1.20*

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

V_{pl} : *8280.00* kN

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Sendo:

A_w: Área efetiva ao cisalhamento.

A_w : *400.00* cm²

γ_{a1}: Coeficiente de segurança do material. **γ_{a1}** : *1.10*

Resistência ao esforço cortante Y (ABNT NBR 8800:2008, Artigo 5.4.3)

Deve satisfazer:

η : ***0.755*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N8, para a combinação de ações 1.3·PP+1.3·LAJE+1.3·PAVIMENTAÇÃO+1.3·RECAPEAMENTO+1.3·GUARDA-RODAS+Multidão-Passeio+Multidão-TB450+TB-450-B1 [NL].

V_{Sd}: Esforço cortante solicitante de cálculo, desfavorável. **V_{Sd}** : *2131.91* kN

A força cortante resistente de cálculo, V_{Rd}, é determinada pela expressão:

20.00 ≤ **59.22**

V_{Rd} : *2822.73* kN

Onde:

λ : *20.00*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *500.00* mm

t_w: Espessura da alma. **t_w** : *25.00* mm

λ_p : *59.22*

Sendo:

k_v: Coeficiente de flambagem. **k_v** : *5.00*

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

V_{pl} : *3105.00* kN

Sendo:

A_w: Área efetiva ao cisalhamento.

A_w : *150.00* cm²

d: Altura total da seção transversal. **d** : *600.00* mm

γ_{a1}: Coeficiente de segurança do material. **γ_{a1}** : *1.10*

Os enrijecedores transversais não são levados em conta, já que não cumprem os seguintes requisitos:

18.75 ≤ **13.48**

Onde:

b: Largura dos elementos que formam os enrijecedores. **b** : *187.50* mm

t: Espessura dos elementos que formam os enrijecedores. **t** : *10.00* mm

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

5332.03 ≥ **1191.41**

Onde:

I_s : *5332.03* cm4

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Sendo:

b: Largura dos elementos que formam os enrijecedores. **b** : *187.50* mm

t: Espessura dos elementos que formam os enrijecedores. **t** : *10.00* mm

t_w: Espessura da alma. t_w : *25.00* mm

j : *1.91*

Sendo:

a: Distância entre as linhas de centro dos enrijecedores transversais adjacentes. **a** : *400.00* mm

h: Largura dos elementos que formam os enrijecedores. **h** : *500.00* mm

Resistência ao esforço axial e flexão combinados (ABNT NBR 8800:2008, Artigo 5.5.1.2)

Deve satisfazer:

η : ***0.268*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N8, para a combinação de ações 1.3·PP+1.3·LAJE+1.3·PAVIMENTAÇÃO+1.3·RECAPEAMENTO+1.3·GUARDA-RODAS+Multidão-Passeio+Multidão-TB450+TB-450-B1 [NL].

$N_{c,Sd}$: Força axial de compressão solicitante de cálculo, desfavorável. $N_{c,Sd}$: *913.80* kN

$M_{x,Sd}$: Momento fletor solicitante de cálculo, desfavorável. $M_{x,Sd}^-$: *942.62* kN·m

$M_{y,Sd}$: Momento fletor solicitante de cálculo, desfavorável. $M_{y,Sd}^+$: *0.67* kN·m

0.056 < **0.200**

η : *0.268*

Onde:

$N_{c,Rd}$: Força axial resistente de cálculo de compressão (ABNT NBR 8800:2008, Artigo 5.3). $N_{c,Rd}$: *16458.51* kN

$M_{x,Rd}$, $M_{y,Rd}$: Momentos fletores resistentes de cálculo, respectivamente em relação aos eixos X e Y da seção transversal (ABNT NBR 8800:2008, Artigo 5.4.2). $M_{x,Rd}$: *3940.06* kN·m

$M_{y,Rd}$: *1256.08* kN·m

Resistência à torção (ABNT NBR 8800:2008, Artigo 5.5.2.1)

Já que a norma não proporciona uma verificação geral para seções não tubulares submetidas exclusivamente à torção, considera-se que este elemento também deve cumprir o seguinte critério:

Deve satisfazer:

η : ***0.284*** ✓

O esforço solicitante de cálculo desfavorável produz-se para a combinação de ações 1.5·PP+LAJE+PAVIMENTAÇÃO+RECAPEAMENTO+GUARDA-RODAS+1.4·Vento0 [NL].

T_{Sd}: Momento de torção solicitante de cálculo, desfavorável. T_{Sd} : *38.47* kN·m

O momento de torção resistente de cálculo, T_{Rd}, é determinado pela expressão:

T_{Rd} : *135.26* kN·m

Onde:

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W_T: Módulo de resistência à torção.	**W_T** : *718.75*	cm³
f_y: Resistência ao escoamento do aço.	**f_y** : *345.00*	MPa
γ_{a1}: Coeficiente de segurança do material.	γ_{a1} : *1.10*	

Resistência ao momento de torção, força axial, momento fletor e cortante (ABNT NBR 8800:2008, Artigo 5.5.2.2)

Este caso não está contemplado pela norma e, portanto, não é possível realizar a verificação.

Resistência a interações de esforços e momento de torção (ABNT NBR 8800:2008, Artigo 5.5.2.3)

Deve satisfazer:

η : ***0.048*** ✓

η : ***0.940*** ✓

(Já que a norma não proporciona uma verificação da tensão total para seções submetidas a torção combinada com outros esforços, considera-se que este elemento também deve cumprir os seguintes critérios para a tensão de Von Mises:)

η : ***0.849*** ✓

O coeficiente de aproveitamento desfavorável produz-se no nó N8, para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL] no ponto da seção transversal de coordenadas X = 0.00 mm, Y = 0.00 mm em relação ao centro de gravidade.

As tensões normais σ_{Sd} são dadas por:

σ_{Sd} : *-15.01* MPa

Onde:

σ_{NSd} : *-15.01* MPa

Sendo:

$N_{c,Sd}$: Força axial de compressão solicitante de cálculo, desfavorável.	**$N_{c,Sd}$** : *788.27*	kN
Q: Fator de redução total associado à flambagem local (ABNT NBR 8800:2008, Anexo F).	**Q** : *1.000*	
A_g: Área bruta da seção transversal da barra.	**A_g** : *525.00*	cm²

$\sigma_{Mx,Sd}$: *0.00* MPa

Sendo:

$M_{x,Sd}$: Momento fletor solicitante de cálculo, desfavorável.	**$M_{x,Sd}$** : *808.63*	kN·m
I_x: Momento de inércia da seção transversal em relação ao eixo X.	**I_x** : *329375.00*	cm4
Y: Coordenada, em relação ao eixo Y, do ponto desfavorável da seção transversal em relação ao centro de gravidade da seção bruta.	**Y** : *0.00*	mm

$\sigma_{My,Sd}$: *0.00* MPa

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Sendo:

$M_{y,Sd}$: Momento fletor solicitante de cálculo, desfavorável.	**$M_{y,Sd}^-$** :	*28.90*	kN·m
I_y: Momento de inércia da seção transversal em relação ao eixo Y.	**I_y** :	*53398.44*	cm4
X: Coordenada, em relação ao eixo X, do ponto desfavorável da seção transversal em relação ao centro de gravidade da seção bruta.	**X** :	*0.00*	mm

As tensões tangenciais τ_{Sd} são dadas por:

τ_{Sd} : *168.86* MPa

Onde:

$\tau_{Vx,Sd}$: *0.00* MPa

Sendo:

$V_{x,Sd}^-$: Esforço cortante solicitante de cálculo, desfavorável.	**$V_{x,Sd}^-$** :	*10.08*	kN
S_y: Momento estático, em relação ao eixo Y, da parte da seção situada a um lado do ponto de verificação.	**S_y** :	*0.00*	cm³
I_y: Momento de inércia da seção transversal em relação ao eixo Y.	**I_y** :	*53398.44*	cm4
t: Espessura.	**t** :	*25.00*	mm

$\tau_{Vy,Sd}$: *142.39* MPa

Sendo:

$V_{y,Sd}^-$: Esforço cortante solicitante de cálculo, desfavorável.	**$V_{y,Sd}^-$** :	*1819.19*	kN
S_x: Momento estático, em relação ao eixo X, da parte da seção situada a um lado do ponto de verificação.	**S_x** :	*6445.31*	cm³
I_x: Momento de inércia da seção transversal em relação ao eixo X.	**I_x** :	*329375.00*	cm4
t: Espessura.	**t** :	*25.00*	mm

τ_{TSd} : *26.47* MPa

Sendo:

T_{Sd}: Momento de torção solicitante de cálculo, desfavorável.	**T_{Sd}** :	*38.04*	kN·m
J: Constante de torção da seção transversal.	**J** :	*3593.75*	cm4
t: Espessura.	**t** :	*25.00*	mm

As tensões totais f_{Sd} são dadas por:

f_{Sd} : *292.86* MPa

A tensão resistente de cálculo, σ_{Rd}, é dada pelo menor valor entre os obtidos por a) e b): **σ_{Rd}** : *313.50* MPa

(a) Tensão resistente de cálculo para os estados-limites de escoamento sob efeito de tensão normal:

σ_{Rd} : *313.64* MPa

Onde:

f_y: Resistência ao escoamento do aço.	**f_y** :	*345.00*	MPa
γ_{a1}: Coeficiente de segurança do material.	**γ_{a1}** :	*1.10*	

(b) Tensão resistente de cálculo para os estados-limites de instabilidade ou flambagem sob efeito de tensão normal:

σ_{Rd} : *313.50* MPa

Onde:

χ: Fator de redução total associado à resistência à compressão (ABNT NBR 8800:2008, Artigo 5.3.3).

χ : *1.000*

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Sendo:

λ_0 : *0.033*

σ_e : *321232.12* MPa

Onde:

N_e: Força axial de flambagem elástica. **N_e** : *16864686.52* kN

Q: Fator de redução total associado à flambagem local (ABNT NBR 8800:2008, Anexo F). **Q** : *1.000*

A_g: Área bruta da seção transversal da barra. **A_g** : *525.00* cm²

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. **γ_{a1}** : *1.10*

A tensão resistente de cálculo, τ_{Rd}, é dada pelo menor valor entre os obtidos por a) e b): **τ_{Rd}** : *179.65* MPa

(a) Tensão resistente de cálculo para os estados-limites de escoamento sob efeito de tensão de cisalhamento:

τ_{Rd} : *188.18* MPa

Onde:

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. **γ_{a1}** : *1.10*

(b) Tensão resistente de cálculo para os estados-limites de instabilidade ou flambagem sob efeito de tensão cisalhamento:

τ_{Rd} : *179.65* MPa

Onde:

χ: Fator de redução total associado à resistência à compressão (ABNT NBR 8800:2008, Artigo 5.3.3).

χ : *0.955*

Sendo:

λ_0 : *0.333*

τ_e : *1867.38* MPa

σ_E : *373.48* MPa

Onde:

k_v: Coeficiente de flambagem (ABNT NBR 8800:2008, Artigo 5.4.3). **k_v** : *5.00*

E: Módulo de elasticidade do aço. **E** : *200000* MPa

ν: Coeficiente de Poisson. **ν** : *0.30*

t: Espessura. **t** : *25.00* mm

h: Largura. **h** : *550.00* mm

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. **γ_{a1}** : *1.10*

A tensão resistente de cálculo, f_{Rd} é dada por:

f_{Rd} : *345.00* MPa

Onde:

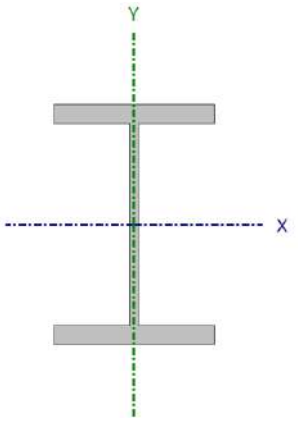
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f_y: Resistência ao escoamento do aço.	f_y : *345.00*	MPa
γ_{a1}: Coeficiente de segurança do material.	γ_{a1} : *1.10*	

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Barra N4/N187

Perfil: CVS 600x412 (Espaç. entre enrijecedores: 400 mm. Espessura: 10 mm)
Material: Aço (A-588 345MPa)



Nós		Comprimento (m)	Características mecânicas			
Inicial	Final		Área (cm²)	$I_x^{(1)}$ (cm4)	$I_y^{(1)}$ (cm4)	$I_t^{(2)}$ (cm4)
N4	N187	0.250	525.00	329375.00	53398.44	3593.75

Notas:
(1) Inércia em relação ao eixo indicado
(2) Momento de inércia à torção uniforme

	Flambagem		Flambagem lateral	
	Plano ZX	Plano ZY	Aba sup.	Aba inf.
β	1.00	1.00	1.00	1.00
L_K	0.250	0.250	0.250	0.250
C_b	-		1.000	

Notação:
β: Coeficiente de flambagem
L_K: Comprimento de flambagem (m)
C_b: Fator de modificação para o momento crítico

Limitação do índice de esbeltez (ABNT NBR 8800:2008, Artigo 5.3.4)

O índice de esbeltez das barras comprimidas, tomado como o maior relação entre o comprimento de flambagem e o raio de giração, não deve ser superior a 200.

λ : ***2.5*** ✓

Onde:

λ: Índice de esbeltez.

λ_x : *1.0*

λ_y : *2.5*

Sendo:

$K_x \cdot L_x$: Comprimento de flambagem por flexão em relação ao eixo X. — **$K_x \cdot L_x$** : *0.250* m

$K_y \cdot L_y$: Comprimento de flambagem por flexão em relação ao eixo Y. — **$K_y \cdot L_y$** : *0.250* m

r_x,r_y: Raios de giração em relação aos eixos principales X, Y, respectivamente.

r_x : *25.05* cm

r_y : *10.09* cm

Resistência à tração (ABNT NBR 8800:2008, Artigo 5.2)

A verificação não será executada, já que não existe esforço axial de tração.

Resistência à compressão (ABNT NBR 8800:2008, Artigo 5.3)

Deve satisfazer:

η : ***0.056*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N4, para a combinação de ações 1.3·PP+1.3·LAJE+1.3·PAVIMENTAÇÃO+1.3·RECAPEAMENTO+1.3·GUARDA-RODAS+Multidão-Passeio+Multidão-TB450+TB-450-B2 [NL].

$N_{c,Sd}$: Força axial de compressão solicitante de cálculo, desfavorável. — **$N_{c,Sd}$** : *922.10* kN

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A força axial de compressão resistente de cálculo, $N_{c,Rd}$, deve ser determinada pela expressão:

$N_{c,Rd}$: 16458.51 kN

Onde:

- χ: Fator de redução total associado à resistência à compressão. — χ : 1.000
- **Q**: Fator de redução total associado à flambagem local. — **Q** : 1.000
- A_g: Área bruta da seção transversal da barra. — A_g : 525.00 cm²
- f_y: Resistência ao escoamento do aço. — f_y : 345.00 MPa
- γ_{a1}: Coeficiente de segurança do material. — γ_{a1} : 1.10

Fator de redução χ: (ABNT NBR 8800:2008, Artigo 5.3.3)

χ : 1.000

Onde:

λ_0: Índice de esbeltez reduzido.

λ_0 : 0.033

Sendo:

- **Q**: Fator de redução total associado à flambagem local. — **Q** : 1.000
- A_g: Área bruta da seção transversal da barra. — A_g : 525.00 cm²
- f_y: Resistência ao escoamento do aço. — f_y : 345.00 MPa
- N_e: Força axial de flambagem elástica. — N_e : 16864686.52 kN

Força axial de flambagem elástica: (ABNT NBR 8800:2008, Anexo E)

A força axial de flambagem elástica, N_e, de uma barra com seção transversal duplamente simétrica ou simétrica em relação a um ponto, é dada pelo menor valor entre os obtidos por (a), (b) e (c): N_e : 16864686.52 kN

(a) Para flambagem por flexão em relação ao eixo principal de inércia X da seção transversal:

N_{ex} : 104025630.39 kN

Onde:

- $K_x \cdot L_x$: Comprimento de flambagem por flexão em relação ao eixo X. — $K_x \cdot L_x$: 0.250 m
- I_x: Momento de inércia da seção transversal em relação ao eixo X. — I_x : 329375.00 cm4
- **E**: Módulo de elasticidade do aço. — **E** : 200000 MPa

(b) Para flambagem por flexão em relação ao eixo principal de inércia Y da seção transversal:

N_{ey} : 16864686.52 kN

Onde:

- $K_y \cdot L_y$: Comprimento de flambagem por flexão em relação ao eixo Y. — $K_y \cdot L_y$: 0.250 m
- I_y: Momento de inércia da seção transversal em relação ao eixo Y. — I_y : 53398.44 cm4
- **E**: Módulo de elasticidade do aço. — **E** : 200000 MPa

(c) Para flambagem por torção em relação ao eixo longitudinal Z:

N_{ez} : 17530828.02 kN

Onde:

- $K_z \cdot L_z$: Comprimento de flambagem por torção. — $K_z \cdot L_z$: 0.250 m
- **E**: Módulo de elasticidade do aço. — **E** : 200000 MPa
- C_w: Constante de empenamento da seção transversal. — C_w : 40382568.36 cm6
- **G**: Módulo de elasticidade transversal do aço. — **G** : 77000 MPa
- **J**: Constante de torção da seção transversal. — **J** : 3593.75 cm4
- r_0: Raio de giração polar da seção bruta em relação ao centro de cisalhamento.

r_0 : 27.00 cm

Onde:

- r_x, r_y: Raios de giração em relação aos eixos principales X, Y, respectivamente. — r_x : 25.05 cm; r_y : 10.09 cm
- X_0, Y_0: Coordenadas do centro de cisalhamento na direção dos eixos principales X, Y, respectivamente. — X_0 : 0.00 mm; Y_0 : 0.00 mm

Flambagem local de barras axialmente comprimidas: (ABNT NBR 8800:2008, Anexo F)

Não se aplica nenhuma redução, já que todos os elementos componentes da seção transversal possuem relações entre largura e espessura (b/t) que não superam os valores limite dados na Tabela F.1.

Mesa: Elemento do Grupo 5 da Tabela F.1.

4.00 ≤ **13.43**

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Sendo:

(b/t): Relação entre largura e espessura. **(b/t)** : *4.00*

Onde:

b: Largura. **b** : *200.00* mm

t: Espessura. **t** : *50.00* mm

$(b/t)_{lim}$: Relação limite entre largura e espessura.

$(b/t)_{lim}$: *13.43*

Onde:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

k_c : *0.76*

h: Altura da alma. **h** : *500.00* mm

t_w: Espessura da alma. **t_w** : *25.00* mm

Alma: Elemento do Grupo 2 da Tabela F.1.

20.00 ≤ **35.87**

Sendo:

(b/t): Relação entre largura e espessura. **(b/t)** : *20.00*

Onde:

b: Largura. **b** : *500.00* mm

t: Espessura. **t** : *25.00* mm

$(b/t)_{lim}$: Relação limite entre largura e espessura.

$(b/t)_{lim}$: *35.87*

Onde:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

Resistência à flexão eixo X (ABNT NBR 8800:2008, Artigo 5.4.2)

Deve satisfazer:

η : ***0.241*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N4, para a combinação de ações 1.3·PP+1.3·LAJE+1.3·PAVIMENTAÇÃO+1.3·RECAPEAMENTO+1.3·GUARDA-RODAS+Multidão-Passeio+Multidão-TB450+TB-450-B2 [NL].

M_{Sd}^-: Momento fletor solicitante de cálculo, desfavorável. **M_{Sd}^-** : *951.50* kN·m

Já que '$\lambda \leq \lambda_r$', deve-se considerar viga de alma não-esbelta (ABNT NBR 8800:2008, Anexo G). **20.00** ≤ **137.24**

Onde:

λ : *20.00*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *500.00* mm

t_w: Espessura da alma. **t_w** : *25.00* mm

λ_r : *137.24*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

O momento fletor resistente de cálculo M_{Rd} de vigas de alma não-esbelta deve ser tomado como o menor valor entre os obtidos nas seguintes seções: **M_{Rd}** : *3940.06* kN·m

(a) Máximo momento fletor resistente de cálculo (ABNT NBR 8800:2008, Artigo 5.4.2.2):

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M_{Rd} : *5165.20* kN·m

Onde:

W_x: Módulo de resistência elástico mínimo da seção transversal em relação ao eixo de flexão. W_x : *10979.17* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(b) Estado-límite último de flambagem lateral com torção, FLT (ABNT NBR 8800:2008, Anexo G):

2.48 ≤ **42.38**

M_{Rd} : *3940.06* kN·m

Onde:

λ : *2.48*

Sendo:

$L_{b,inf}$: Distância entre pontos travados à flambagem lateral. $L_{b,inf}$: *0.250* m

r_y: Raio de giração da seção em relação ao eixo principal de inércia perpendicular ao eixo de flexão. r_y : *10.09* cm

λ_p : *42.38*

Sendo:

E: Módulo de elasticidade do aço. E : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

M_{pl} : *4334.06* kN

Onde:

Z_x: Módulo de resistência plástico. Z_x : *12562.50* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(c) Estado-límite último de flambagem local da mesa comprimida, FLM (ABNT NBR 8800:2008, Anexo G):

4.00 ≤ **9.15**

M_{Rd} : *3940.06* kN·m

Onde:

λ : *4.00*

Sendo:

b_f: Largura da mesa comprimida. b_f : *400.00* mm

t_f: Espessura da mesa comprimida. t_f : *50.00* mm

λ_p : *9.15*

Sendo:

E: Módulo de elasticidade do aço. E : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

M_{pl} : *4334.06* kN

Onde:

Z_x: Módulo de resistência plástico. Z_x : *12562.50* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(d) Estado-limite último de flambagem local da alma, FLA (ABNT NBR 8800:2008, Anexo G):

20.00 ≤ **90.53**

M_{Rd} : *3940.06* kN·m

Onde:

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λ : 20.00

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : 500.00 mm

$\mathbf{t_w}$: Espessura da alma. $\mathbf{t_w}$: 25.00 mm

λ_p : 90.53

Sendo:

E: Módulo de elasticidade do aço. **E** : 200000 MPa

$\mathbf{f_y}$: Resistência ao escoamento do aço. $\mathbf{f_y}$: 345.00 MPa

$\mathbf{M_{pl}}$: 4334.06 kN

Onde:

$\mathbf{Z_x}$: Módulo de resistência plástico. $\mathbf{Z_x}$: 12562.50 cm³

$\mathbf{f_y}$: Resistência ao escoamento do aço. $\mathbf{f_y}$: 345.00 MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : 1.10

Resistência à flexão eixo Y (ABNT NBR 8800:2008, Artigo 5.4.2)

Deve satisfazer:

η : ***0.022*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N4, para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL].

$\mathbf{M_{Sd}^-}$: Momento fletor solicitante de cálculo, desfavorável. $\mathbf{M_{Sd}^-}$: 27.44 kN·m

O momento fletor resistente de cálculo M_{Rd} deve ser tomado como o menor valor entre os obtidos nas seguintes seções: $\mathbf{M_{Rd}}$: 1256.08 kN·m

(a) Máximo momento fletor resistente de cálculo (ABNT NBR 8800:2008, Artigo 5.4.2.2):

$\mathbf{M_{Rd}}$: 1256.08 kN·m

Onde:

$\mathbf{W_y}$: Módulo de resistência elástico mínimo da seção transversal em relação ao eixo de flexão. $\mathbf{W_y}$: 2669.92 cm³

$\mathbf{f_y}$: Resistência ao escoamento do aço. $\mathbf{f_y}$: 345.00 MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : 1.10

(b) Estado-límite último de flambagem local da mesa comprimida, FLM (ABNT NBR 8800:2008, Anexo G):

4.00 ≤ **9.15**

$\mathbf{M_{Rd}}$: 1279.05 kN·m

Onde:

λ : 4.00

Sendo:

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b_f: Largura da mesa comprimida. b_f : *400.00* mm
t_f: Espessura da mesa comprimida. t_f : *50.00* mm

λ_p : *9.15*

Sendo:
E: Módulo de elasticidade do aço. **E** : *200000* MPa
f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

M_{pl} : *1406.95* kN

Onde:
Z_y: Módulo de resistência plástico. Z_y : *4078.13* cm³
f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa
γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Resistência ao esforço cortante X (ABNT NBR 8800:2008, Artigo 5.4.3)

Deve satisfazer:

η : ***0.002*** ✓

O esforço solicitante de cálculo desfavorável produz-se para a combinação de ações PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL].

V_{Sd}: Esforço cortante solicitante de cálculo, desfavorável. V_{Sd} : *12.42* kN

A força cortante resistente de cálculo, V_{Rd}, é determinada pela expressão:

4.00 ≤ **29.01**

V_{Rd} : *7527.27* kN

Onde:

λ : *4.00*

Sendo:
b_f: Largura das mesas. b_f : *400.00* mm
t_f: Espessura das mesas. t_f : *50.00* mm

λ_p : *29.01*

Sendo:
k_v: Coeficiente de flambagem. k_v : *1.20*
E: Módulo de elasticidade do aço. **E** : *200000* MPa
f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

V_{pl} : *8280.00* kN

Sendo:
A_w: Área efetiva ao cisalhamento.

A_w : *400.00* cm²

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γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Resistência ao esforço cortante Y (ABNT NBR 8800:2008, Artigo 5.4.3)

Deve satisfazer:

η : ***0.762*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N4, para a combinação de ações 1.3·PP+1.3·LAJE+1.3·PAVIMENTAÇÃO+1.3·RECAPEAMENTO+1.3·GUARDA-RODAS+Multidão-Passeio+Multidão-TB450+TB-450-B2 [NL].

V_{Sd}: Esforço cortante solicitante de cálculo, desfavorável. V_{Sd} : *2151.16* kN

A força cortante resistente de cálculo, V_{Rd}, é determinada pela expressão:

20.00 ≤ **59.22**

V_{Rd} : *2822.73* kN

Onde:

λ : *20.00*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *500.00* mm

t_w: Espessura da alma. t_w : *25.00* mm

λ_p : *59.22*

Sendo:

k_v: Coeficiente de flambagem. k_v : *5.00*

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

V_{pl} : *3105.00* kN

Sendo:

A_w: Área efetiva ao cisalhamento.

A_w : *150.00* cm²

d: Altura total da seção transversal. **d** : *600.00* mm

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Os enrijecedores transversais não são levados em conta, já que não cumprem os seguintes requisitos:

18.75 ≤ **13.48**

Onde:

b: Largura dos elementos que formam os enrijecedores. **b** : *187.50* mm

t: Espessura dos elementos que formam os enrijecedores. **t** : *10.00* mm

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

5332.03 ≥ **1191.41**

Onde:

I_s : *5332.03* cm4

Sendo:

b: Largura dos elementos que formam os enrijecedores. **b** : *187.50* mm

t: Espessura dos elementos que formam os enrijecedores. **t** : *10.00* mm

t_w: Espessura da alma. t_w : *25.00* mm

j : *1.91*

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Sendo:

a: Distância entre as linhas de centro dos enrijecedores transversais adjacentes. **a** : *400.00* mm

h: Largura dos elementos que formam os enrijecedores. **h** : *500.00* mm

Resistência ao esforço axial e flexão combinados (ABNT NBR 8800:2008, Artigo 5.5.1.2)

Deve satisfazer:

η : ***0.270*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N4, para a combinação de ações 1.3·PP+1.3·LAJE+1.3·PAVIMENTAÇÃO+1.3·RECAPEAMENTO+1.3·GUARDA-RODAS+Multidão-Passeio+Multidão-TB450+TB-450-B2 [NL].

$N_{c,Sd}$: Força axial de compressão solicitante de cálculo, desfavorável. $N_{c,Sd}$: *922.10* kN

$M_{x,Sd}$: Momento fletor solicitante de cálculo, desfavorável. $M_{x,Sd}^{-}$: *951.50* kN·m

$M_{y,Sd}$: Momento fletor solicitante de cálculo, desfavorável. $M_{y,Sd}^{-}$: *0.48* kN·m

0.056 < **0.200**

η : *0.270*

Onde:

$N_{c,Rd}$: Força axial resistente de cálculo de compressão (ABNT NBR 8800:2008, Artigo 5.3). $N_{c,Rd}$: *16458.51* kN

$M_{x,Rd}$,$M_{y,Rd}$: Momentos fletores resistentes de cálculo, respectivamente em relação aos eixos X e Y da seção transversal (ABNT NBR 8800:2008, Artigo 5.4.2). $M_{x,Rd}$: *3940.06* kN·m

$M_{y,Rd}$: *1256.08* kN·m

Resistência à torção (ABNT NBR 8800:2008, Artigo 5.5.2.1)

Já que a norma não proporciona uma verificação geral para seções não tubulares submetidas exclusivamente à torção, considera-se que este elemento também deve cumprir o seguinte critério:

Deve satisfazer:

η : ***0.260*** ✓

O esforço solicitante de cálculo desfavorável produz-se para a combinação de ações PP+LAJE+PAVIMENTAÇÃO+RECAPEAMENTO+GUARDA-RODAS+1.4·Vento0 [NL].

T_{Sd}: Momento de torção solicitante de cálculo, desfavorável. T_{Sd} : *35.16* kN·m

O momento de torção resistente de cálculo, T_{Rd}, é determinado pela expressão:

T_{Rd} : *135.26* kN·m

Onde:

W_T: Módulo de resistência à torção. W_T : *718.75* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

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Resistência ao momento de torção, força axial, momento fletor e cortante (ABNT NBR 8800:2008, Artigo 5.5.2.2)

Este caso não está contemplado pela norma e, portanto, não é possível realizar a verificação.

Resistência a interações de esforços e momento de torção (ABNT NBR 8800:2008, Artigo 5.5.2.3)

Deve satisfazer:

η : ***0.048*** ✓

η : ***0.928*** ✓

(Já que a norma não proporciona uma verificação da tensão total para seções submetidas a torção combinada com outros esforços, considera-se que este elemento também deve cumprir os seguintes critérios para a tensão de Von Mises:)

η : ***0.839*** ✓

O coeficiente de aproveitamento desfavorável produz-se no nó N4, para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL] no ponto da seção transversal de coordenadas X = 0.00 mm, Y = 0.00 mm em relação ao centro de gravidade.

As tensões normais σ_{Sd} são dadas por:

σ_{Sd} : *-14.99* MPa

Onde:

σ_{NSd} : *-14.99* MPa

Sendo:

$N_{c,Sd}$: Força axial de compressão solicitante de cálculo, desfavorável. — **$N_{c,Sd}$** : *786.96* kN

Q: Fator de redução total associado à flambagem local (ABNT NBR 8800:2008, Anexo F). — **Q** : *1.000*

A_g: Área bruta da seção transversal da barra. — **A_g** : *525.00* cm²

$\sigma_{Mx,Sd}$: *0.00* MPa

Sendo:

$M_{x,Sd}$: Momento fletor solicitante de cálculo, desfavorável. — **$M_{x,Sd}$** : *805.13* kN·m

I_x: Momento de inércia da seção transversal em relação ao eixo X. — **I_x** : *329375.00* cm4

Y: Coordenada, em relação ao eixo Y, do ponto desfavorável da seção transversal em relação ao centro de gravidade da seção bruta. — **Y** : *0.00* mm

$\sigma_{My,Sd}$: *0.00* MPa

Sendo:

$M_{y,Sd}$: Momento fletor solicitante de cálculo, desfavorável. — **$M_{y,Sd}$** : *27.44* kN·m

I_y: Momento de inércia da seção transversal em relação ao eixo Y. — **I_y** : *53398.44* cm4

X: Coordenada, em relação ao eixo X, do ponto desfavorável da seção transversal em relação ao centro de gravidade da seção bruta. — **X** : *0.00* mm

As tensões tangenciais τ_{Sd} são dadas por:

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τ_{Sd} : *166.80* MPa

Onde:

$\tau_{Vx,Sd}$: *0.00* MPa

Sendo:

$V_{x,Sd}$: Esforço cortante solicitante de cálculo, desfavorável. **$V_{x,Sd}$** : *12.39* kN

S_y: Momento estático, em relação ao eixo Y, da parte da seção situada a um lado do ponto de verificação. **S_y** : *0.00* cm³

I_y: Momento de inércia da seção transversal em relação ao eixo Y. **I_y** : *53398.44* cm4

t: Espessura. **t** : *25.00* mm

$\tau_{Vy,Sd}$: *143.15* MPa

Sendo:

$V_{y,Sd}$: Esforço cortante solicitante de cálculo, desfavorável. **$V_{y,Sd}$** : *1828.90* kN

S_x: Momento estático, em relação ao eixo X, da parte da seção situada a um lado do ponto de verificação. **S_x** : *6445.31* cm³

I_x: Momento de inércia da seção transversal em relação ao eixo X. **I_x** : *329375.00* cm4

t: Espessura. **t** : *25.00* mm

τ_{TSd} : *23.65* MPa

Sendo:

T_{Sd}: Momento de torção solicitante de cálculo, desfavorável. **T_{Sd}** : *33.99* kN·m

J: Constante de torção da seção transversal. **J** : *3593.75* cm4

t: Espessura. **t** : *25.00* mm

As tensões totais f_{Sd} são dadas por:

f_{Sd} : *289.30* MPa

A tensão resistente de cálculo, σ_{Rd}, é dada pelo menor valor entre os obtidos por a) e b): **σ_{Rd}** : *313.50* MPa

(a) Tensão resistente de cálculo para os estados-limites de escoamento sob efeito de tensão normal:

σ_{Rd} : *313.64* MPa

Onde:

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. **γ_{a1}** : *1.10*

(b) Tensão resistente de cálculo para os estados-limites de instabilidade ou flambagem sob efeito de tensão normal:

σ_{Rd} : *313.50* MPa

Onde:

χ: Fator de redução total associado à resistência à compressão (ABNT NBR 8800:2008, Artigo 5.3.3).

χ : *1.000*

Sendo:

λ_0 : *0.033*

σ_e : *321232.12* MPa

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Onde:

N_e: Força axial de flambagem elástica. N_e : 16864686.52 kN

Q: Fator de redução total associado à flambagem local (ABNT NBR 8800:2008, Anexo F). Q : 1.000

A_g: Área bruta da seção transversal da barra. A_g : 525.00 cm²

f_y: Resistência ao escoamento do aço. f_y : 345.00 MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : 1.10

A tensão resistente de cálculo, τ_{Rd}, é dada pelo menor valor entre os obtidos por a) e b): τ_{Rd} : 179.65 MPa

(a) Tensão resistente de cálculo para os estados-limites de escoamento sob efeito de tensão de cisalhamento:

τ_{Rd} : 188.18 MPa

Onde:

f_y: Resistência ao escoamento do aço. f_y : 345.00 MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : 1.10

(b) Tensão resistente de cálculo para os estados-limites de instabilidade ou flambagem sob efeito de tensão cisalhamento:

τ_{Rd} : 179.65 MPa

Onde:

χ: Fator de redução total associado à resistência à compressão (ABNT NBR 8800:2008, Artigo 5.3.3).

χ : 0.955

Sendo:

λ_0 : 0.333

τ_e : 1867.38 MPa

σ_E : 373.48 MPa

Onde:

k_v: Coeficiente de flambagem (ABNT NBR 8800:2008, Artigo 5.4.3). k_v : 5.00

E: Módulo de elasticidade do aço. E : 200000 MPa

ν: Coeficiente de Poisson. ν : 0.30

t: Espessura. t : 25.00 mm

h: Largura. h : 550.00 mm

f_y: Resistência ao escoamento do aço. f_y : 345.00 MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : 1.10

A tensão resistente de cálculo, f_{Rd} é dada por:

f_{Rd} : 345.00 MPa

Onde:

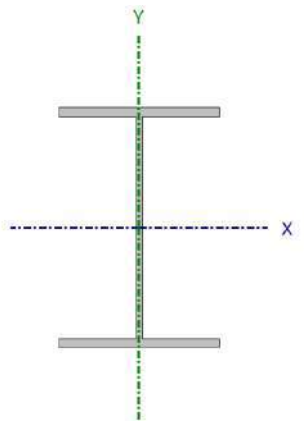
f_y: Resistência ao escoamento do aço. f_y : 345.00 MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : 1.10

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Barra N49/N18

Perfil: CVS 300x57
Material: Aço (A-588 345MPa)



Nós		Comprimento (m)	Características mecânicas			
Inicial	Final		Área (cm²)	I_x(1) (cm4)	I_y(1) (cm4)	I_t(2) (cm4)
N49	N18	5.725	72.00	11725.00	1667.84	30.74

Notas:
(1) Inércia em relação ao eixo indicado
(2) Momento de inércia à torção uniforme

	Flambagem		Flambagem lateral	
	Plano ZX	Plano ZY	Aba sup.	Aba inf.
β	1.00	1.00	1.00	1.00
L_K	5.725	5.725	5.725	5.725
C_b	-		1.000	

Notação:
β: Coeficiente de flambagem
L_K: Comprimento de flambagem (m)
C_b: Fator de modificação para o momento crítico

Limitação do índice de esbeltez (ABNT NBR 8800:2008, Artigo 5.3.4)

O índice de esbeltez das barras comprimidas, tomado como o maior relação entre o comprimento de flambagem e o raio de giração, não deve ser superior a 200.

λ : ***119.0*** ✓

Onde:

λ: Índice de esbeltez.

λ_x : *44.9*

λ_y : *119.0*

Sendo:

$K_x \cdot L_x$: Comprimento de flambagem por flexão em relação ao eixo X. — **$K_x \cdot L_x$** : *5.725* m

$K_y \cdot L_y$: Comprimento de flambagem por flexão em relação ao eixo Y. — **$K_y \cdot L_y$** : *5.725* m

r_x,r_y: Raios de giração em relação aos eixos principales X, Y, respectivamente. — **r_x** : *12.76* cm; **r_y** : *4.81* cm

Resistência à tração (ABNT NBR 8800:2008, Artigo 5.2)

Deve satisfazer:

η : ***0.004*** ✓

O esforço solicitante de cálculo desfavorável produz-se para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento180 [NL].

$N_{t,Sd}$: Força axial de tração solicitante de cálculo, desfavorável. — **$N_{t,Sd}$** : *9.28* kN

A força axial de tração resistente de cálculo, $N_{t,Rd}$, deve ser determinada pela expressão:

$N_{t,Rd}$: *2258.18* kN

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Onde:

A_g: Área bruta da seção transversal da barra.	**A_g** :	*72.00*	cm²
f_y: Resistência ao escoamento do aço.	**f_y** :	*345.00*	MPa
γ_{a1}: Coeficiente de segurança do material.	γ_{a1} :	*1.10*	

Resistência à compressão (ABNT NBR 8800:2008, Artigo 5.3)

Deve satisfazer:

η : ***0.035*** ✓

O esforço solicitante de cálculo desfavorável produz-se para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL].

$N_{c,Sd}$: Força axial de compressão solicitante de cálculo, desfavorável.	**$N_{c,Sd}$** :	*27.79*	kN

A força axial de compressão resistente de cálculo, $N_{c,Rd}$, deve ser determinada pela expressão:

$N_{c,Rd}$: *800.83* kN

Onde:

χ: Fator de redução total associado à resistência à compressão.	χ :	*0.355*	
Q: Fator de redução total associado à flambagem local.	**Q** :	*1.000*	
A_g: Área bruta da seção transversal da barra.	**A_g** :	*72.00*	cm²
f_y: Resistência ao escoamento do aço.	**f_y** :	*345.00*	MPa
γ_{a1}: Coeficiente de segurança do material.	γ_{a1} :	*1.10*	

Fator de redução χ: (ABNT NBR 8800:2008, Artigo 5.3.3)

χ : *0.355*

Onde:

λ_0: Índice de esbeltez reduzido.

λ_0 : *1.573*

Sendo:

Q: Fator de redução total associado à flambagem local.	**Q** :	*1.000*	
A_g: Área bruta da seção transversal da barra.	**A_g** :	*72.00*	cm²
f_y: Resistência ao escoamento do aço.	**f_y** :	*345.00*	MPa
N_e: Força axial de flambagem elástica.	**N_e** :	*1004.46*	kN

Força axial de flambagem elástica: (ABNT NBR 8800:2008, Anexo E)

A força axial de flambagem elástica, N_e, de uma barra com seção transversal duplamente simétrica ou simétrica em relação a um ponto, é dada pelo menor valor entre os obtidos por (a), (b) e (c):

N_e : *1004.46* kN

(a) Para flambagem por flexão em relação ao eixo principal de inércia X da seção transversal:

N_{ex} : *7061.41* kN

Onde:

$K_x \cdot L_x$: Comprimento de flambagem por flexão em relação ao eixo X.	**$K_x \cdot L_x$** :	*5.725*	m
I_x: Momento de inércia da seção transversal em relação ao eixo X.	**I_x** :	*11725.00*	cm4
E: Módulo de elasticidade do aço.	**E** :	*200000*	MPa

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(b) Para flambagem por flexão em relação ao eixo principal de inércia Y da seção transversal:

N_{ey} : *1004.46* kN

Onde:

$K_y \cdot L_y$: Comprimento de flambagem por flexão em relação ao eixo Y. $K_y \cdot L_y$: *5.725* m
I_y: Momento de inércia da seção transversal em relação ao eixo Y. I_y : *1667.84* cm4
E: Módulo de elasticidade do aço. **E** : *200000* MPa

(c) Para flambagem por torção em relação ao eixo longitudinal Z:

N_{ez} : *2388.14* kN

Onde:

$K_z \cdot L_z$: Comprimento de flambagem por torção. $K_z \cdot L_z$: *5.725* m
E: Módulo de elasticidade do aço. **E** : *200000* MPa
C_w: Constante de empenamento da seção transversal. C_w : *344643.50* cm6
G: Módulo de elasticidade transversal do aço. **G** : *77000* MPa
J: Constante de torção da seção transversal. **J** : *30.74* cm4
r_0: Raio de giração polar da seção bruta em relação ao centro de cisalhamento.

r_0 : *13.64* cm

Onde:

r_x, r_y: Raios de giração em relação aos eixos principales X, Y, respectivamente. r_x : *12.76* cm
r_y : *4.81* cm
X_0, Y_0: Coordenadas do centro de cisalhamento na direção dos eixos principales X, Y, respectivamente. X_0 : *0.00* mm
Y_0 : *0.00* mm

Flambagem local de barras axialmente comprimidas: (ABNT NBR 8800:2008, Anexo F)

Não se aplica nenhuma redução, já que todos os elementos componentes da seção transversal possuem relações entre largura e espessura (b/t) que não superam os valores limite dados na Tabela F.1.

Mesa: Elemento do Grupo 5 da Tabela F.1.

8.00 ≤ **12.73**

Sendo:

(b/t): Relação entre largura e espessura. **(b/t)** : *8.00*

Onde:

b: Largura. **b** : *100.00* mm
t: Espessura. **t** : *12.50* mm

$(b/t)_{lim}$: Relação limite entre largura e espessura.

$(b/t)_{lim}$: *12.73*

Onde:

E: Módulo de elasticidade do aço. **E** : *200000* MPa
f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

k_c : *0.68*

h: Altura da alma. **h** : *275.00* mm
t_w: Espessura da alma. t_w : *8.00* mm

Alma: Elemento do Grupo 2 da Tabela F.1.

34.37 ≤ **35.87**

Sendo:

(b/t): Relação entre largura e espessura. **(b/t)** : *34.37*

Onde:

b: Largura. **b** : *275.00* mm

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t: Espessura. **t** : *8.00* mm

$(b/t)_{lim}$: Relação limite entre largura e espessura.

$(b/t)_{lim}$: *35.87*

Onde:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

Resistência à flexão eixo X (ABNT NBR 8800:2008, Artigo 5.4.2)

Deve satisfazer:

η : ***0.900*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N18, para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL].

M_{Sd}^-: Momento fletor solicitante de cálculo, desfavorável. **M_{Sd}^-** : *164.73* kN·m

Já que '$\lambda \leq \lambda_r$', deve-se considerar viga de alma não-esbelta (ABNT NBR 8800:2008, Anexo G). **34.38** ≤ **137.24**

Onde:

λ : *34.37*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *275.00* mm

t_w: Espessura da alma. **t_w** : *8.00* mm

λ_r : *137.24*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

O momento fletor resistente de cálculo M_{Rd} de vigas de alma não-esbelta deve ser tomado como o menor valor entre os obtidos nas seguintes seções: **M_{Rd}** : *183.06* kN·m

(a) Máximo momento fletor resistente de cálculo (ABNT NBR 8800:2008, Artigo 5.4.2.2):

M_{Rd} : *367.74* kN·m

Onde:

W_x: Módulo de resistência elástico mínimo da seção transversal em relação ao eixo de flexão. **W_x** : *781.67* cm³

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. **γ_{a1}** : *1.10*

(b) Estado-límite último de flambagem lateral com torção, FLT (ABNT NBR 8800:2008, Anexo G):

118.95 > **42.38**

118.95 ≤ **128.72**

M_{Rd} : *183.06* kN·m

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Onde:

λ : *118.95*

Sendo:

$L_{b,inf}$: Distância entre pontos travados à flambagem lateral. — **$L_{b,inf}$** : *5.725* m

r_y: Raio de giração da seção em relação ao eixo principal de inércia perpendicular ao eixo de flexão. — **r_y** : *4.81* cm

λ_p : *42.38*

Sendo:

E: Módulo de elasticidade do aço. — **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. — **f_y** : *345.00* MPa

λ_r : *128.72*

Sendo:

I_y: Momento de inércia da seção transversal em relação ao eixo Y. — **I_y** : *1667.84* cm4

J: Constante de torção da seção transversal. — **J** : *30.74* cm4

C_w: Constante de empenamento da seção transversal. — **C_w** : *344643.50* cm6

β_1 : *0.031* cm-1

M_{pl} : *300.15* kN

Onde:

Z_x: Módulo de resistência plástico. — **Z_x** : *870.00* cm³

f_y: Resistência ao escoamento do aço. — **f_y** : *345.00* MPa

M_r : *188.77* kN·m

Sendo:

W_x: Módulo de resistência elástico mínimo da seção transversal em relação ao eixo de flexão. — **W_x** : *781.67* cm³

f_y: Resistência ao escoamento do aço. — **f_y** : *345.00* MPa

σ_r : *103.50* MPa

C_b: Fator de modificação para diagrama de momento fletor não-uniforme. — **C_b** : *1.00*

γ_{a1}: Coeficiente de segurança do material. — **γ_{a1}** : *1.10*

(c) Estado-límite último de flambagem local da mesa comprimida, FLM (ABNT NBR 8800:2008, Anexo G):

8.00 ≤ **9.15**

M_{Rd} : *272.86* kN·m

Onde:

λ : *8.00*

Sendo:

b_f: Largura da mesa comprimida. — **b_f** : *200.00* mm

t_f: Espessura da mesa comprimida. — **t_f** : *12.50* mm

λ_p : *9.15*

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Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

$\mathbf{f_y}$: Resistência ao escoamento do aço. $\mathbf{f_y}$: *345.00* MPa

$\mathbf{M_{pl}}$: *300.15* kN

Onde:

$\mathbf{Z_x}$: Módulo de resistência plástico. $\mathbf{Z_x}$: *870.00* cm³

$\mathbf{f_y}$: Resistência ao escoamento do aço. $\mathbf{f_y}$: *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(d) Estado-limite último de flambagem local da alma, FLA (ABNT NBR 8800:2008, Anexo G):

34.37 ≤ **90.53**

$\mathbf{M_{Rd}}$: *272.86* kN·m

Onde:

λ : *34.37*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *275.00* mm

$\mathbf{t_w}$: Espessura da alma. $\mathbf{t_w}$: *8.00* mm

λ_p : *90.53*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

$\mathbf{f_y}$: Resistência ao escoamento do aço. $\mathbf{f_y}$: *345.00* MPa

$\mathbf{M_{pl}}$: *300.15* kN

Onde:

$\mathbf{Z_x}$: Módulo de resistência plástico. $\mathbf{Z_x}$: *870.00* cm³

$\mathbf{f_y}$: Resistência ao escoamento do aço. $\mathbf{f_y}$: *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Resistência à flexão eixo Y (ABNT NBR 8800:2008, Artigo 5.4.2)

Deve satisfazer:

η : ***0.042*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N49, para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento180 [NL].

$\mathbf{M_{Sd}^+}$: Momento fletor solicitante de cálculo, desfavorável. $\mathbf{M_{Sd}^+}$: *3.29* kN·m

O momento fletor resistente de cálculo M_{Rd} deve ser tomado como o menor valor entre os obtidos nas seguintes seções: $\mathbf{M_{Rd}}$: *78.46* kN·m

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(a) Máximo momento fletor resistente de cálculo (ABNT NBR 8800:2008, Artigo 5.4.2.2):

M_{Rd} : *78.46* kN·m

Onde:

W_y: Módulo de resistência elástico mínimo da seção transversal em relação ao eixo de flexão. — W_y : *166.78* cm³

f_y: Resistência ao escoamento do aço. — f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. — γ_{a1} : *1.10*

(b) Estado-límite último de flambagem local da mesa comprimida, FLM (ABNT NBR 8800:2008, Anexo G):

8.00 ≤ **9.15**

M_{Rd} : *79.79* kN·m

Onde:

λ : *8.00*

Sendo:

b_f: Largura da mesa comprimida. — b_f : *200.00* mm

t_f: Espessura da mesa comprimida. — t_f : *12.50* mm

λ_p : *9.15*

Sendo:

E: Módulo de elasticidade do aço. — E : *200000* MPa

f_y: Resistência ao escoamento do aço. — f_y : *345.00* MPa

M_{pl} : *87.77* kN

Onde:

Z_y: Módulo de resistência plástico. — Z_y : *254.40* cm³

f_y: Resistência ao escoamento do aço. — f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. — γ_{a1} : *1.10*

Resistência ao esforço cortante X (ABNT NBR 8800:2008, Artigo 5.4.3)

Deve satisfazer:

η : ***0.001*** ✓

O esforço solicitante de cálculo desfavorável produz-se para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento180 [NL].

V_{Sd}: Esforço cortante solicitante de cálculo, desfavorável. — V_{Sd} : *0.92* kN

A força cortante resistente de cálculo, V_{Rd}, é determinada pela expressão:

8.00 ≤ **29.01**

V_{Rd} : *940.91* kN

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Onde:

λ : *8.00*

Sendo:

b_f: Largura das mesas. **b_f** : *200.00* mm

t_f: Espessura das mesas. **t_f** : *12.50* mm

λ_p : *29.01*

Sendo:

k_v: Coeficiente de flambagem. **k_v** : *1.20*

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

V_{pl} : *1035.00* kN

Sendo:

A_w: Área efetiva ao cisalhamento.

A_w : *50.00* cm²

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Resistência ao esforço cortante Y (ABNT NBR 8800:2008, Artigo 5.4.3)

Deve satisfazer:

η : ***0.072*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N18, para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL].

V_{Sd}: Esforço cortante solicitante de cálculo, desfavorável. **V_{Sd}** : *32.72* kN

A força cortante resistente de cálculo, V_{Rd}, é determinada pela expressão:

34.37 ≤ **59.22**

V_{Rd} : *451.64* kN

Onde:

λ : *34.37*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *275.00* mm

t_w: Espessura da alma. **t_w** : *8.00* mm

λ_p : *59.22*

Sendo:

k_v: Coeficiente de flambagem. **k_v** : *5.00*

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E: Módulo de elasticidade do aço. **E** : *200000* MPa

$\mathbf{f_y}$: Resistência ao escoamento do aço. $\mathbf{f_y}$: *345.00* MPa

$\mathbf{V_{pl}}$: *496.80* kN

Sendo:

$\mathbf{A_w}$: Área efetiva ao cisalhamento.

$\mathbf{A_w}$: *24.00* cm²

d: Altura total da seção transversal. **d** : *300.00* mm

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Resistência ao esforço axial e flexão combinados (ABNT NBR 8800:2008, Artigo 5.5.1.2)

Deve satisfazer:

η : ***0.923*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N18, para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL].

$\mathbf{N_{c,Sd}}$: Força axial de compressão solicitante de cálculo, desfavorável. $\mathbf{N_{c,Sd}}$: *27.79* kN

$\mathbf{M_{x,Sd}}$: Momento fletor solicitante de cálculo, desfavorável. $\mathbf{M_{x,Sd}^-}$: *164.73* kN·m

$\mathbf{M_{y,Sd}}$: Momento fletor solicitante de cálculo, desfavorável. $\mathbf{M_{y,Sd}^-}$: *0.44* kN·m

0.035 < **0.200**

η : *0.923*

Onde:

$\mathbf{N_{c,Rd}}$: Força axial resistente de cálculo de compressão (ABNT NBR 8800:2008, Artigo 5.3). $\mathbf{N_{c,Rd}}$: *800.83* kN

$\mathbf{M_{x,Rd}}$,$\mathbf{M_{y,Rd}}$: Momentos fletores resistentes de cálculo, respectivamente em relação aos eixos X e Y da seção transversal (ABNT NBR 8800:2008, Artigo 5.4.2). $\mathbf{M_{x,Rd}}$: *183.06* kN·m

$\mathbf{M_{y,Rd}}$: *78.46* kN·m

Resistência à torção (ABNT NBR 8800:2008, Artigo 5.5.2.1)

Já que a norma não proporciona uma verificação geral para seções não tubulares submetidas exclusivamente à torção, considera-se que este elemento também deve cumprir o seguinte critério:

Deve satisfazer:

η : ***0.004*** ✓

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O esforço solicitante de cálculo desfavorável produz-se para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS [NL].

T_{Sd}: Momento de torção solicitante de cálculo, desfavorável. **T_{Sd}** : *0.02* kN·m

O momento de torção resistente de cálculo, T_{Rd}, é determinado pela expressão:

T_{Rd} : *4.63* kN·m

Onde:

W_T: Módulo de resistência à torção. **W_T** : *24.59* cm³

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. **γ_{a1}** : *1.10*

Resistência ao momento de torção, força axial, momento fletor e cortante (ABNT NBR 8800:2008, Artigo 5.5.2.2)

Este caso não está contemplado pela norma e, portanto, não é possível realizar a verificação.

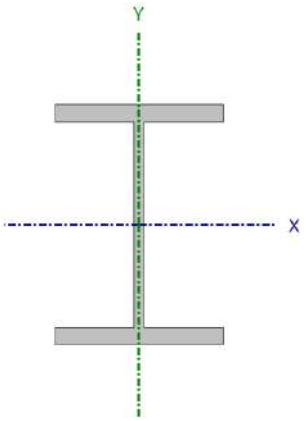
Resistência a interações de esforços e momento de torção (ABNT NBR 8800:2008, Artigo 5.5.2.3)

Não há interação entre os dois esforços cortantes nem entre o momento torsor, esforço axial, momentos fletores e esforços cortantes. Portanto, a verificação não é necessária.

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Barra N2/N8

Perfil: CVS 500x281
Material: Aço (A-588 345MPa)



Nós		Comprimento (m)	Características mecânicas			
Inicial	Final		Área (cm²)	I_x(1) (cm4)	I_y(1) (cm4)	I_t(2) (cm4)
N2	N8	6.326	357.70	155013.18	26836.68	1389.69

Notas:
(1) Inércia em relação ao eixo indicado
(2) Momento de inércia à torção uniforme

	Flambagem		Flambagem lateral	
	Plano ZX	Plano ZY	Aba sup.	Aba inf.
β	1.00	1.00	1.00	1.00
L_K	6.326	6.326	6.326	6.326
C_b	-		1.000	

Notação:
β: Coeficiente de flambagem
L_K: Comprimento de flambagem (m)
C_b: Fator de modificação para o momento crítico

Limitação do índice de esbeltez (ABNT NBR 8800:2008, Artigo 5.3.4)

O índice de esbeltez das barras comprimidas, tomado como o maior relação entre o comprimento de flambagem e o raio de giração, não deve ser superior a 200.

λ : ***73.0*** ✓

Onde:

λ: Índice de esbeltez.

λ_x : *30.4*

λ_y : *73.0*

Sendo:

$K_x \cdot L_x$: Comprimento de flambagem por flexão em relação ao eixo X. — **$K_x \cdot L_x$** : *6.326* m

$K_y \cdot L_y$: Comprimento de flambagem por flexão em relação ao eixo Y. — **$K_y \cdot L_y$** : *6.326* m

r_x,r_y: Raios de giração em relação aos eixos principales X, Y, respectivamente. — **r_x** : *20.82* cm; **r_y** : *8.66* cm

Resistência à tração (ABNT NBR 8800:2008, Artigo 5.2)

A verificação não será executada, já que não existe esforço axial de tração.

Resistência à compressão (ABNT NBR 8800:2008, Artigo 5.3)

Deve satisfazer:

η : ***0.308*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N2, para a combinação de ações 1.3·PP+1.3·LAJE+1.3·PAVIMENTAÇÃO+1.3·RECAPEAMENTO+1.3·GUARDA-RODAS+Multidão-Passeio+Multidão-TB450+TB-450-B1 [NL].

$N_{c,Sd}$: Força axial de compressão solicitante de cálculo, desfavorável. — **$N_{c,Sd}$** : *2342.43* kN

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A força axial de compressão resistente de cálculo, $N_{c,Rd}$, deve ser determinada pela expressão:

$N_{c,Rd}$: 7594.22 kN

Onde:

- χ: Fator de redução total associado à resistência à compressão. — χ : 0.677
- **Q**: Fator de redução total associado à flambagem local. — **Q** : 1.000
- A_g: Área bruta da seção transversal da barra. — A_g : 357.70 cm²
- f_y: Resistência ao escoamento do aço. — f_y : 345.00 MPa
- γ_{a1}: Coeficiente de segurança do material. — γ_{a1} : 1.10

Fator de redução χ: (ABNT NBR 8800:2008, Artigo 5.3.3)

χ : 0.677

Onde:

λ_0: Índice de esbeltez reduzido.

λ_0 : 0.966

Sendo:

- **Q**: Fator de redução total associado à flambagem local. — **Q** : 1.000
- A_g: Área bruta da seção transversal da barra. — A_g : 357.70 cm²
- f_y: Resistência ao escoamento do aço. — f_y : 345.00 MPa
- N_e: Força axial de flambagem elástica. — N_e : 13237.26 kN

Força axial de flambagem elástica: (ABNT NBR 8800:2008, Anexo E)

A força axial de flambagem elástica, N_e, de uma barra com seção transversal duplamente simétrica ou simétrica em relação a um ponto, é dada pelo menor valor entre os obtidos por (a), (b) e (c): N_e : 13237.26 kN

(a) Para flambagem por flexão em relação ao eixo principal de inércia X da seção transversal:

N_{ex} : 76460.61 kN

Onde:

- $K_x \cdot L_x$: Comprimento de flambagem por flexão em relação ao eixo X. — $K_x \cdot L_x$: 6.326 m
- I_x: Momento de inércia da seção transversal em relação ao eixo X. — I_x : 155013.18 cm4
- **E**: Módulo de elasticidade do aço. — **E** : 200000 MPa

(b) Para flambagem por flexão em relação ao eixo principal de inércia Y da seção transversal:

N_{ey} : 13237.26 kN

Onde:

- $K_y \cdot L_y$: Comprimento de flambagem por flexão em relação ao eixo Y. — $K_y \cdot L_y$: 6.326 m
- I_y: Momento de inércia da seção transversal em relação ao eixo Y. — I_y : 26836.68 cm4
- **E**: Módulo de elasticidade do aço. — **E** : 200000 MPa

(c) Para flambagem por torção em relação ao eixo longitudinal Z:

N_{ez} : 34972.35 kN

Onde:

- $K_z \cdot L_z$: Comprimento de flambagem por torção. — $K_z \cdot L_z$: 6.326 m
- **E**: Módulo de elasticidade do aço. — **E** : 200000 MPa
- C_w: Constante de empenamento da seção transversal. — C_w : 14351334.64 cm6
- **G**: Módulo de elasticidade transversal do aço. — **G** : 77000 MPa
- **J**: Constante de torção da seção transversal. — **J** : 1389.69 cm4
- r_0: Raio de giração polar da seção bruta em relação ao centro de cisalhamento.

r_0 : 22.55 cm

Onde:

- r_x, r_y: Raios de giração em relação aos eixos principales X, Y, respectivamente. — r_x : 20.82 cm; r_y : 8.66 cm
- X_0, Y_0: Coordenadas do centro de cisalhamento na direção dos eixos principales X, Y, respectivamente. — X_0 : 0.00 mm; Y_0 : 0.00 mm

Flambagem local de barras axialmente comprimidas: (ABNT NBR 8800:2008, Anexo F)

Não se aplica nenhuma redução, já que todos os elementos componentes da seção transversal possuem relações entre largura e espessura (b/t) que não superam os valores limite dados na Tabela F.1.

Mesa: Elemento do Grupo 5 da Tabela F.1.

4.67 ≤ **13.43**

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Sendo:

(b/t): Relação entre largura e espessura. **(b/t)** : *4.67*

Onde:

b: Largura. **b** : *175.00* mm

t: Espessura. **t** : *37.50* mm

$(b/t)_{lim}$: Relação limite entre largura e espessura.

$(b/t)_{lim}$: *13.43*

Onde:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

k_c : *0.76*

h: Altura da alma. **h** : *425.00* mm

t_w: Espessura da alma. **t_w** : *22.40* mm

Alma: Elemento do Grupo 2 da Tabela F.1.

18.97 ≤ **35.87**

Sendo:

(b/t): Relação entre largura e espessura. **(b/t)** : *18.97*

Onde:

b: Largura. **b** : *425.00* mm

t: Espessura. **t** : *22.40* mm

$(b/t)_{lim}$: Relação limite entre largura e espessura.

$(b/t)_{lim}$: *35.87*

Onde:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

Resistência à flexão eixo X (ABNT NBR 8800:2008, Artigo 5.4.2)

Deve satisfazer:

η : ***0.219*** ✓

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M_{Sd}^+: Momento fletor solicitante de cálculo, desfavorável. **M_{Sd}^+** : *447.35* kN·m

Já que '$\lambda \leq \lambda_r$', deve-se considerar viga de alma não-esbelta (ABNT NBR 8800:2008, Anexo G). **18.97** ≤ **137.24**

Onde:

λ : *18.97*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *425.00* mm

t_w: Espessura da alma. **t_w** : *22.40* mm

λ_r : *137.24*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

O momento fletor resistente de cálculo M_{Rd} de vigas de alma não-esbelta deve ser tomado como o menor valor entre os obtidos nas seguintes seções: **M_{Rd}** : *2045.37* kN·m

(a) Máximo momento fletor resistente de cálculo (ABNT NBR 8800:2008, Artigo 5.4.2.2):

M_{Rd} : *2917.07* kN·m

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Onde:

W_x: Módulo de resistência elástico mínimo da seção transversal em relação ao eixo de flexão. **W_x** : *6200.53* cm³

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. **γ_{a1}** : *1.10*

(b) Estado-límite último de flambagem lateral com torção, FLT (ABNT NBR 8800:2008, Anexo G):

73.03 > **42.38**

73.03 ≤ **192.37**

M_{Rd} : *2045.37* kN·m

Onde:

λ : *73.03*

Sendo:

$L_{b,sup}$: Distância entre pontos travados à flambagem lateral. **$L_{b,sup}$** : *6.326* m

r_y: Raio de giração da seção em relação ao eixo principal de inércia perpendicular ao eixo de flexão. **r_y** : *8.66* cm

λ_p : *42.38*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

λ_r : *192.37*

Sendo:

I_y: Momento de inércia da seção transversal em relação ao eixo Y. **I_y** : *26836.68* cm4

J: Constante de torção da seção transversal. **J** : *1389.69* cm4

C_w: Constante de empenamento da seção transversal. **C_w** : *14351334.64* cm6

β_1 : *0.005* cm-1

M_{pl} : *2443.23* kN

Onde:

Z_x: Módulo de resistência plástico. **Z_x** : *7081.81* cm³

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

M_r : *1497.43* kN·m

Sendo:

W_x: Módulo de resistência elástico mínimo da seção transversal em relação ao eixo de flexão. **W_x** : *6200.53* cm³

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

σ_r : *103.50* MPa

C_b: Fator de modificação para diagrama de momento fletor não-uniforme. **C_b** : *1.00*

γ_{a1}: Coeficiente de segurança do material. **γ_{a1}** : *1.10*

(c) Estado-límite último de flambagem local da mesa comprimida, FLM (ABNT NBR 8800:2008, Anexo G):

4.67 ≤ **9.15**

M_{Rd} : *2221.11* kN·m

Onde:

λ : *4.67*

Sendo:

b_f: Largura da mesa comprimida. **b_f** : *350.00* mm

t_f: Espessura da mesa comprimida. **t_f** : *37.50* mm

λ_p : *9.15*

Sendo:

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E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

M_{pl} : *2443.23* kN

Onde:

Z_x: Módulo de resistência plástico. Z_x : *7081.81* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(d) Estado-limite último de flambagem local da alma, FLA (ABNT NBR 8800:2008, Anexo G):

18.97 ≤ **90.53**

M_{Rd} : *2221.11* kN·m

Onde:

λ : *18.97*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *425.00* mm

t_w: Espessura da alma. t_w : *22.40* mm

λ_p : *90.53*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

M_{pl} : *2443.23* kN

Onde:

Z_x: Módulo de resistência plástico. Z_x : *7081.81* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Resistência à flexão eixo Y (ABNT NBR 8800:2008, Artigo 5.4.2)

Deve satisfazer:

η : ***0.176*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N8, para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL].

M_{Sd}^-: Momento fletor solicitante de cálculo, desfavorável. M_{Sd}^- : *127.21* kN·m

O momento fletor resistente de cálculo M_{Rd} deve ser tomado como o menor valor entre os obtidos nas seguintes seções: M_{Rd} : *721.45* kN·m

(a) Máximo momento fletor resistente de cálculo (ABNT NBR 8800:2008, Artigo 5.4.2.2):

M_{Rd} : *721.45* kN·m

Onde:

W_y: Módulo de resistência elástico mínimo da seção transversal em relação ao eixo de flexão. W_y : *1533.52* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

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(b) Estado-límite último de flambagem local da mesa comprimida, FLM (ABNT NBR 8800:2008, Anexo G):

4.67 ≤ **9.15**

M_{Rd} : *737.10* kN·m

Onde:

λ : *4.67*

Sendo:

b_f: Largura da mesa comprimida. b_f : *350.00* mm

t_f: Espessura da mesa comprimida. t_f : *37.50* mm

λ_p : *9.15*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

M_{pl} : *810.81* kN

Onde:

Z_y: Módulo de resistência plástico. Z_y : *2350.19* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Resistência ao esforço cortante X (ABNT NBR 8800:2008, Artigo 5.4.3)

Deve satisfazer:

η : ***0.005*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N2, para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL].

V_{Sd}: Esforço cortante solicitante de cálculo, desfavorável. V_{Sd} : *25.42* kN

A força cortante resistente de cálculo, V_{Rd}, é determinada pela expressão:

4.67 ≤ **29.01**

V_{Rd} : *4939.77* kN

Onde:

λ : *4.67*

Sendo:

b_f: Largura das mesas. b_f : *350.00* mm

t_f: Espessura das mesas. t_f : *37.50* mm

λ_p : *29.01*

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Sendo:

k_v: Coeficiente de flambagem. k_v : 1.20

E: Módulo de elasticidade do aço. **E** : 200000 MPa

f_y: Resistência ao escoamento do aço. f_y : 345.00 MPa

V_{pl} : 5433.75 kN

Sendo:

A_w: Área efetiva ao cisalhamento.

A_w : 262.50 cm²

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : 1.10

Resistência ao esforço cortante Y (ABNT NBR 8800:2008, Artigo 5.4.3)

Deve satisfazer:

η : ***0.061*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N8, para a combinação de ações 1.3·PP+1.3·LAJE+1.3·PAVIMENTAÇÃO+1.3·RECAPEAMENTO+1.3·GUARDA-RODAS+Multidão-Passeio+Multidão-TB450+TB-450-B1 [NL].

V_{Sd}: Esforço cortante solicitante de cálculo, desfavorável. V_{Sd} : 129.23 kN

A força cortante resistente de cálculo, V_{Rd}, é determinada pela expressão:

18.97 ≤ **59.22**

V_{Rd} : 2107.64 kN

Onde:

λ : 18.97

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : 425.00 mm

t_w: Espessura da alma. t_w : 22.40 mm

λ_p : 59.22

Sendo:

k_v: Coeficiente de flambagem. k_v : 5.00

E: Módulo de elasticidade do aço. **E** : 200000 MPa

f_y: Resistência ao escoamento do aço. f_y : 345.00 MPa

V_{pl} : 2318.40 kN

Sendo:

A_w: Área efetiva ao cisalhamento.

A_w : 112.00 cm²

d: Altura total da seção transversal. **d** : 500.00 mm

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : 1.10

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Resistência ao esforço axial e flexão combinados (ABNT NBR 8800:2008, Artigo 5.5.1.2)

Deve satisfazer:

η : ***0.556*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N8, para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL].

$N_{c,Sd}$: Força axial de compressão solicitante de cálculo, desfavorável.	**$N_{c,Sd}$** : *2009.40* kN
$M_{x,Sd}$: Momento fletor solicitante de cálculo, desfavorável.	**$M_{x,Sd}^{-}$** : *309.36* kN·m
$M_{y,Sd}$: Momento fletor solicitante de cálculo, desfavorável.	**$M_{y,Sd}^{-}$** : *127.21* kN·m

0.265 ≥ **0.200**

η : *0.556*

Onde:

$N_{c,Rd}$: Força axial resistente de cálculo de compressão (ABNT NBR 8800:2008, Artigo 5.3).	**$N_{c,Rd}$** : *7594.22* kN
$M_{x,Rd}$,$M_{y,Rd}$: Momentos fletores resistentes de cálculo, respectivamente em relação aos eixos X e Y da seção transversal (ABNT NBR 8800:2008, Artigo 5.4.2).	**$M_{x,Rd}$** : *2045.37* kN·m **$M_{y,Rd}$** : *721.45* kN·m

Resistência à torção (ABNT NBR 8800:2008, Artigo 5.5.2.1)

Já que a norma não proporciona uma verificação geral para seções não tubulares submetidas exclusivamente à torção, considera-se que este elemento também deve cumprir o seguinte critério:

Deve satisfazer:

η : ***0.128*** ✓

O esforço solicitante de cálculo desfavorável produz-se para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL].

T_{Sd}: Momento de torção solicitante de cálculo, desfavorável. **T_{Sd}** : *8.91* kN·m

O momento de torção resistente de cálculo, T_{Rd}, é determinado pela expressão:

T_{Rd} : *69.74* kN·m

Onde:

W_T: Módulo de resistência à torção.	**W_T** : *370.59* cm³
f_y: Resistência ao escoamento do aço.	**f_y** : *345.00* MPa
γ_{a1}: Coeficiente de segurança do material.	**γ_{a1}** : *1.10*

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Resistência ao momento de torção, força axial, momento fletor e cortante (ABNT NBR 8800:2008, Artigo 5.5.2.2)

Este caso não está contemplado pela norma e, portanto, não é possível realizar a verificação.

Resistência a interações de esforços e momento de torção (ABNT NBR 8800:2008, Artigo 5.5.2.3)

Deve satisfazer:

η : ***0.890*** ✓

η : ***0.129*** ✓

(Já que a norma não proporciona uma verificação da tensão total para seções submetidas a torção combinada com outros esforços, considera-se que este elemento também deve cumprir os seguintes critérios para a tensão de Von Mises:)

η : ***0.561*** ✓

O coeficiente de aproveitamento desfavorável produz-se no nó N8, para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL] no ponto da seção transversal de coordenadas X = -175.00 mm, Y = -250.00 mm em relação ao centro de gravidade.

As tensões normais σ_{Sd} são dadas por:

σ_{Sd} : *-189.02* MPa

Onde:

σ_{NSd} : *-56.18* MPa

Sendo:

$N_{c,Sd}$: Força axial de compressão solicitante de cálculo, desfavorável. — $N_{c,Sd}$: *2009.40* kN

Q: Fator de redução total associado à flambagem local (ABNT NBR 8800:2008, Anexo F). — **Q** : *1.000*

A_g: Área bruta da seção transversal da barra. — A_g : *357.70* cm²

$\sigma_{Mx,Sd}$: *-49.89* MPa

Sendo:

$M_{x,Sd}$: Momento fletor solicitante de cálculo, desfavorável. — $M_{x,Sd}^{-}$: *309.36* kN·m

I_x: Momento de inércia da seção transversal em relação ao eixo X. — I_x : *155013.18* cm4

Y: Coordenada, em relação ao eixo Y, do ponto desfavorável da seção transversal em relação ao centro de gravidade da seção bruta. — **Y** : *-250.00* mm

$\sigma_{My,Sd}$: *-82.95* MPa

Sendo:

$M_{y,Sd}$: Momento fletor solicitante de cálculo, desfavorável. — $M_{y,Sd}^{-}$: *127.21* kN·m

I_y: Momento de inércia da seção transversal em relação ao eixo Y. — I_y : *26836.68* cm4

X: Coordenada, em relação ao eixo X, do ponto desfavorável da seção transversal em relação ao centro de gravidade da seção bruta. — **X** : *-175.00* mm

As tensões tangenciais τ_{Sd} são dadas por:

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τ_{Sd} : *-24.04* MPa

Onde:

$\tau_{Vx,Sd}$: *0.00* MPa

Sendo:

$\mathbf{V_{x,Sd}^+}$: Esforço cortante solicitante de cálculo, desfavorável. $\mathbf{V_{x,Sd}^+}$: *17.45* kN

$\mathbf{S_y}$: Momento estático, em relação ao eixo Y, da parte da seção situada a um lado do ponto de verificação. $\mathbf{S_y}$: *0.00* cm³

$\mathbf{I_y}$: Momento de inércia da seção transversal em relação ao eixo Y. $\mathbf{I_y}$: *26836.68* cm4

t: Espessura. **t** : *37.50* mm

$\tau_{Vy,Sd}$: *0.00* MPa

Sendo:

$\mathbf{V_{y,Sd}^+}$: Esforço cortante solicitante de cálculo, desfavorável. $\mathbf{V_{y,Sd}^+}$: *111.94* kN

$\mathbf{S_x}$: Momento estático, em relação ao eixo X, da parte da seção situada a um lado do ponto de verificação. $\mathbf{S_x}$: *0.00* cm³

$\mathbf{I_x}$: Momento de inércia da seção transversal em relação ao eixo X. $\mathbf{I_x}$: *155013.18* cm4

t: Espessura. **t** : *37.50* mm

τ_{TSd} : *-24.04* MPa

Sendo:

$\mathbf{T_{Sd}}$: Momento de torção solicitante de cálculo, desfavorável. $\mathbf{T_{Sd}}$: *8.91* kN·m

J: Constante de torção da seção transversal. **J** : *1389.69* cm4

t: Espessura. **t** : *37.50* mm

As tensões totais f_{Sd} são dadas por:

$\mathbf{f_{Sd}}$: *193.55* MPa

A tensão resistente de cálculo, σ_{Rd}, é dada pelo menor valor entre os obtidos por a) e b): σ_{Rd} : *212.31* MPa

(a) Tensão resistente de cálculo para os estados-limites de escoamento sob efeito de tensão normal:

σ_{Rd} : *313.64* MPa

Onde:

$\mathbf{f_y}$: Resistência ao escoamento do aço. $\mathbf{f_y}$: *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(b) Tensão resistente de cálculo para os estados-limites de instabilidade ou flambagem sob efeito de tensão normal:

σ_{Rd} : *212.31* MPa

Onde:

χ: Fator de redução total associado à resistência à compressão (ABNT NBR 8800:2008, Artigo 5.3.3).

χ : *0.677*

Sendo:

λ_0 : *0.966*

σ_e : *370.07* MPa

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Onde:

N_e: Força axial de flambagem elástica. **N_e** : *13237.26* kN

Q: Fator de redução total associado à flambagem local (ABNT NBR 8800:2008, Anexo F). **Q** : *1.000*

A_g: Área bruta da seção transversal da barra. **A_g** : *357.70* cm²

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

A tensão resistente de cálculo, τ_{Rd}, é dada pelo menor valor entre os obtidos por a) e b): τ_{Rd} : *186.55* MPa

(a) Tensão resistente de cálculo para os estados-limites de escoamento sob efeito de tensão de cisalhamento:

τ_{Rd} : *188.18* MPa

Onde:

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(b) Tensão resistente de cálculo para os estados-limites de instabilidade ou flambagem sob efeito de tensão cisalhamento:

τ_{Rd} : *186.55* MPa

Onde:

χ: Fator de redução total associado à resistência à compressão (ABNT NBR 8800:2008, Artigo 5.3.3).

χ : *0.991*

Sendo:

λ_0 : *0.144*

τ_e : *9960.35* MPa

σ_E : *8300.30* MPa

Onde:

k_v: Coeficiente de flambagem (ABNT NBR 8800:2008, Artigo 5.4.3). **k_v** : *1.20*

E: Módulo de elasticidade do aço. **E** : *200000* MPa

ν: Coeficiente de Poisson. **ν** : *0.30*

t: Espessura. **t** : *37.50* mm

h: Largura. **h** : *175.00* mm

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

A tensão resistente de cálculo, f_{Rd} é dada por:

f_{Rd} : *345.00* MPa

Onde:

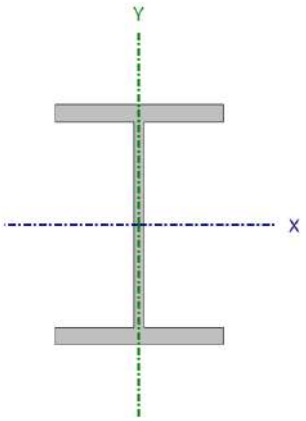
f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

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Barra N3/N18

Perfil: CVS 500x281
Material: Aço (A-588 345MPa)



Nós		Comprimento (m)	Características mecânicas			
Inicial	Final		Área (cm²)	$I_x^{(1)}$ (cm4)	$I_y^{(1)}$ (cm4)	$I_t^{(2)}$ (cm4)
N3	N18	6.259	357.70	155013.18	26836.68	1389.69

Notas:
(1) Inércia em relação ao eixo indicado
(2) Momento de inércia à torção uniforme

	Flambagem		Flambagem lateral	
	Plano ZX	Plano ZY	Aba sup.	Aba inf.
β	1.00	1.00	1.00	1.00
L_K	6.259	6.259	6.259	6.259
C_b	-		1.000	

Notação:
β: Coeficiente de flambagem
L_K: Comprimento de flambagem (m)
C_b: Fator de modificação para o momento crítico

Limitação do índice de esbeltez (ABNT NBR 8800:2008, Artigo 5.3.4)

O índice de esbeltez das barras comprimidas, tomado como o maior relação entre o comprimento de flambagem e o raio de giração, não deve ser superior a 200.

λ : ***72.3*** ✓

Onde:

λ: Índice de esbeltez.

λ_x : *30.1*

λ_y : *72.3*

Sendo:

$K_x \cdot L_x$: Comprimento de flambagem por flexão em relação ao eixo X. — **$K_x \cdot L_x$** : *6.259* m

$K_y \cdot L_y$: Comprimento de flambagem por flexão em relação ao eixo Y. — **$K_y \cdot L_y$** : *6.259* m

r_x,r_y: Raios de giração em relação aos eixos principales X, Y, respectivamente. — **r_x** : *20.82* cm; **r_y** : *8.66* cm

Resistência à tração (ABNT NBR 8800:2008, Artigo 5.2)

A verificação não será executada, já que não existe esforço axial de tração.

Resistência à compressão (ABNT NBR 8800:2008, Artigo 5.3)

Deve satisfazer:

η : ***0.312*** ✓

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$N_{c,Sd}$: Força axial de compressão solicitante de cálculo, desfavorável. — **$N_{c,Sd}$** : *2389.02* kN

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A força axial de compressão resistente de cálculo, $N_{c,Rd}$, deve ser determinada pela expressão:

$N_{c,Rd}$: 7657.35 kN

Onde:

- χ: Fator de redução total associado à resistência à compressão. — χ : 0.683
- **Q**: Fator de redução total associado à flambagem local. — **Q** : 1.000
- A_g: Área bruta da seção transversal da barra. — A_g : 357.70 cm²
- f_y: Resistência ao escoamento do aço. — f_y : 345.00 MPa
- γ_{a1}: Coeficiente de segurança do material. — γ_{a1} : 1.10

Fator de redução χ: (ABNT NBR 8800:2008, Artigo 5.3.3)

χ : 0.683

Onde:

λ_0: Índice de esbeltez reduzido.

λ_0 : 0.955

Sendo:

- **Q**: Fator de redução total associado à flambagem local. — **Q** : 1.000
- A_g: Área bruta da seção transversal da barra. — A_g : 357.70 cm²
- f_y: Resistência ao escoamento do aço. — f_y : 345.00 MPa
- N_e: Força axial de flambagem elástica. — N_e : 13524.14 kN

Força axial de flambagem elástica: (ABNT NBR 8800:2008, Anexo E)

A força axial de flambagem elástica, N_e, de uma barra com seção transversal duplamente simétrica ou simétrica em relação a um ponto, é dada pelo menor valor entre os obtidos por (a), (b) e (c): N_e : 13524.14 kN

(a) Para flambagem por flexão em relação ao eixo principal de inércia X da seção transversal:

N_{ex} : 78117.73 kN

Onde:

- $K_x \cdot L_x$: Comprimento de flambagem por flexão em relação ao eixo X. — $K_x \cdot L_x$: 6.259 m
- I_x: Momento de inércia da seção transversal em relação ao eixo X. — I_x : 155013.18 cm4
- **E**: Módulo de elasticidade do aço. — **E** : 200000 MPa

(b) Para flambagem por flexão em relação ao eixo principal de inércia Y da seção transversal:

N_{ey} : 13524.14 kN

Onde:

- $K_y \cdot L_y$: Comprimento de flambagem por flexão em relação ao eixo Y. — $K_y \cdot L_y$: 6.259 m
- I_y: Momento de inércia da seção transversal em relação ao eixo Y. — I_y : 26836.68 cm4
- **E**: Módulo de elasticidade do aço. — **E** : 200000 MPa

(c) Para flambagem por torção em relação ao eixo longitudinal Z:

N_{ez} : 35274.13 kN

Onde:

- $K_z \cdot L_z$: Comprimento de flambagem por torção. — $K_z \cdot L_z$: 6.259 m
- **E**: Módulo de elasticidade do aço. — **E** : 200000 MPa
- C_w: Constante de empenamento da seção transversal. — C_w : 14351334.64 cm6
- **G**: Módulo de elasticidade transversal do aço. — **G** : 77000 MPa
- **J**: Constante de torção da seção transversal. — **J** : 1389.69 cm4
- r_0: Raio de giração polar da seção bruta em relação ao centro de cisalhamento.

r_0 : 22.55 cm

Onde:

- r_x, r_y: Raios de giração em relação aos eixos principales X, Y, respectivamente. — r_x : 20.82 cm; r_y : 8.66 cm
- X_0, Y_0: Coordenadas do centro de cisalhamento na direção dos eixos principales X, Y, respectivamente. — X_0 : 0.00 mm; Y_0 : 0.00 mm

Flambagem local de barras axialmente comprimidas: (ABNT NBR 8800:2008, Anexo F)

Não se aplica nenhuma redução, já que todos os elementos componentes da seção transversal possuem relações entre largura e espessura (b/t) que não superam os valores limite dados na Tabela F.1.

Mesa: Elemento do Grupo 5 da Tabela F.1.

4.67 ≤ **13.43**

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Sendo:

(b/t): Relação entre largura e espessura. **(b/t)** : *4.67*

Onde:

b: Largura. **b** : *175.00* mm

t: Espessura. **t** : *37.50* mm

$(b/t)_{lim}$: Relação limite entre largura e espessura.

$(b/t)_{lim}$: *13.43*

Onde:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

k_c : *0.76*

h: Altura da alma. **h** : *425.00* mm

t_w: Espessura da alma. **t_w** : *22.40* mm

Alma: Elemento do Grupo 2 da Tabela F.1.

18.97 ≤ **35.87**

Sendo:

(b/t): Relação entre largura e espessura. **(b/t)** : *18.97*

Onde:

b: Largura. **b** : *425.00* mm

t: Espessura. **t** : *22.40* mm

$(b/t)_{lim}$: Relação limite entre largura e espessura.

$(b/t)_{lim}$: *35.87*

Onde:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

Resistência à flexão eixo X (ABNT NBR 8800:2008, Artigo 5.4.2)

Deve satisfazer:

η : ***0.221*** ✓

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M_{Sd}^+: Momento fletor solicitante de cálculo, desfavorável. **M_{Sd}^+** : *452.45* kN·m

Já que '$\lambda \leq \lambda_r$', deve-se considerar viga de alma não-esbelta (ABNT NBR 8800:2008, Anexo G). **18.97** ≤ **137.24**

Onde:

λ : *18.97*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *425.00* mm

t_w: Espessura da alma. **t_w** : *22.40* mm

λ_r : *137.24*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

O momento fletor resistente de cálculo M_{Rd} de vigas de alma não-esbelta deve ser tomado como o menor valor entre os obtidos nas seguintes seções: **M_{Rd}** : *2049.83* kN·m

(a) Máximo momento fletor resistente de cálculo (ABNT NBR 8800:2008, Artigo 5.4.2.2):

M_{Rd} : *2917.07* kN·m

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Onde:

W_x: Módulo de resistência elástico mínimo da seção transversal em relação ao eixo de flexão. W_x : 6200.53 cm³

f_y: Resistência ao escoamento do aço. f_y : 345.00 MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : 1.10

(b) Estado-límite último de flambagem lateral com torção, FLT (ABNT NBR 8800:2008, Anexo G):

72.26 > **42.38**

72.26 ≤ **192.37**

M_{Rd} : 2049.83 kN·m

Onde:

λ : 72.26

Sendo:

$L_{b,sup}$: Distância entre pontos travados à flambagem lateral. $L_{b,sup}$: 6.259 m

r_y: Raio de giração da seção em relação ao eixo principal de inércia perpendicular ao eixo de flexão. r_y : 8.66 cm

λ_p : 42.38

Sendo:

E: Módulo de elasticidade do aço. E : 200000 MPa

f_y: Resistência ao escoamento do aço. f_y : 345.00 MPa

λ_r : 192.37

Sendo:

I_y: Momento de inércia da seção transversal em relação ao eixo Y. I_y : 26836.68 cm4

J: Constante de torção da seção transversal. J : 1389.69 cm4

C_w: Constante de empenamento da seção transversal. C_w : 14351334.64 cm6

β_1 : 0.005 cm-1

M_{pl} : 2443.23 kN

Onde:

Z_x: Módulo de resistência plástico. Z_x : 7081.81 cm³

f_y: Resistência ao escoamento do aço. f_y : 345.00 MPa

M_r : 1497.43 kN·m

Sendo:

W_x: Módulo de resistência elástico mínimo da seção transversal em relação ao eixo de flexão. W_x : 6200.53 cm³

f_y: Resistência ao escoamento do aço. f_y : 345.00 MPa

σ_r : 103.50 MPa

C_b: Fator de modificação para diagrama de momento fletor não-uniforme. C_b : 1.00

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : 1.10

(c) Estado-límite último de flambagem local da mesa comprimida, FLM (ABNT NBR 8800:2008, Anexo G):

4.67 ≤ **9.15**

M_{Rd} : 2221.11 kN·m

Onde:

λ : 4.67

Sendo:

b_f: Largura da mesa comprimida. b_f : 350.00 mm

t_f: Espessura da mesa comprimida. t_f : 37.50 mm

λ_p : 9.15

Sendo:

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E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

M_{pl} : *2443.23* kN

Onde:

Z_x: Módulo de resistência plástico. Z_x : *7081.81* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(d) Estado-limite último de flambagem local da alma, FLA (ABNT NBR 8800:2008, Anexo G):

18.97 ≤ **90.53**

M_{Rd} : *2221.11* kN·m

Onde:

λ : *18.97*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *425.00* mm

t_w: Espessura da alma. t_w : *22.40* mm

λ_p : *90.53*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

M_{pl} : *2443.23* kN

Onde:

Z_x: Módulo de resistência plástico. Z_x : *7081.81* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Resistência à flexão eixo Y (ABNT NBR 8800:2008, Artigo 5.4.2)

Deve satisfazer:

η : ***0.186*** ✓

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M_{Sd}^+: Momento fletor solicitante de cálculo, desfavorável. M_{Sd}^+ : *134.51* kN·m

O momento fletor resistente de cálculo M_{Rd} deve ser tomado como o menor valor entre os obtidos nas seguintes seções: M_{Rd} : *721.45* kN·m

(a) Máximo momento fletor resistente de cálculo (ABNT NBR 8800:2008, Artigo 5.4.2.2):

M_{Rd} : *721.45* kN·m

Onde:

W_y: Módulo de resistência elástico mínimo da seção transversal em relação ao eixo de flexão. W_y : *1533.52* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

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(b) Estado-límite último de flambagem local da mesa comprimida, FLM (ABNT NBR 8800:2008, Anexo G):

4.67 ≤ **9.15**

M_{Rd} : *737.10* kN·m

Onde:

λ : *4.67*

Sendo:

b_f: Largura da mesa comprimida. b_f : *350.00* mm

t_f: Espessura da mesa comprimida. t_f : *37.50* mm

λ_p : *9.15*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

M_{pl} : *810.81* kN

Onde:

Z_y: Módulo de resistência plástico. Z_y : *2350.19* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Resistência ao esforço cortante X (ABNT NBR 8800:2008, Artigo 5.4.3)

Deve satisfazer:

η : ***0.005*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N3, para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL].

V_{Sd}: Esforço cortante solicitante de cálculo, desfavorável. V_{Sd} : *26.49* kN

A força cortante resistente de cálculo, V_{Rd}, é determinada pela expressão:

4.67 ≤ **29.01**

V_{Rd} : *4939.77* kN

Onde:

λ : *4.67*

Sendo:

b_f: Largura das mesas. b_f : *350.00* mm

t_f: Espessura das mesas. t_f : *37.50* mm

λ_p : *29.01*

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Sendo:

k_v: Coeficiente de flambagem. k_v : *1.20*

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

V_{pl} : *5433.75* kN

Sendo:

A_w: Área efetiva ao cisalhamento.

A_w : *262.50* cm²

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Resistência ao esforço cortante Y (ABNT NBR 8800:2008, Artigo 5.4.3)

Deve satisfazer:

η : ***0.059*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N18, para a combinação de ações 1.3·PP+1.3·LAJE+1.3·PAVIMENTAÇÃO+1.3·RECAPEAMENTO+1.3·GUARDA-RODAS+Multidão-Passeio+Multidão-TB450+TB-450-D1 [NL].

V_{Sd}: Esforço cortante solicitante de cálculo, desfavorável. V_{Sd} : *124.70* kN

A força cortante resistente de cálculo, V_{Rd}, é determinada pela expressão:

18.97 ≤ **59.22**

V_{Rd} : *2107.64* kN

Onde:

λ : *18.97*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *425.00* mm

t_w: Espessura da alma. t_w : *22.40* mm

λ_p : *59.22*

Sendo:

k_v: Coeficiente de flambagem. k_v : *5.00*

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

V_{pl} : *2318.40* kN

Sendo:

A_w: Área efetiva ao cisalhamento.

A_w : *112.00* cm²

d: Altura total da seção transversal. **d** : *500.00* mm

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

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Resistência ao esforço axial e flexão combinados (ABNT NBR 8800:2008, Artigo 5.5.1.2)

Deve satisfazer:

η : ***0.556*** ✓

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$N_{c,Sd}$: Força axial de compressão solicitante de cálculo, desfavorável.	**$N_{c,Sd}$** : *2073.49* kN
$M_{x,Sd}$: Momento fletor solicitante de cálculo, desfavorável.	**$M_{x,Sd}^{-}$** : *274.96* kN·m
$M_{y,Sd}$: Momento fletor solicitante de cálculo, desfavorável.	**$M_{y,Sd}^{+}$** : *134.51* kN·m

0.271 ≥ **0.200**

η : *0.556*

Onde:

$N_{c,Rd}$: Força axial resistente de cálculo de compressão (ABNT NBR 8800:2008, Artigo 5.3).	**$N_{c,Rd}$** : *7657.35* kN
$M_{x,Rd}$,$M_{y,Rd}$: Momentos fletores resistentes de cálculo, respectivamente em relação aos eixos X e Y da seção transversal (ABNT NBR 8800:2008, Artigo 5.4.2).	**$M_{x,Rd}$** : *2049.83* kN·m **$M_{y,Rd}$** : *721.45* kN·m

Resistência à torção (ABNT NBR 8800:2008, Artigo 5.5.2.1)

Já que a norma não proporciona uma verificação geral para seções não tubulares submetidas exclusivamente à torção, considera-se que este elemento também deve cumprir o seguinte critério:

Deve satisfazer:

η : ***0.093*** ✓

O esforço solicitante de cálculo desfavorável produz-se para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL].

T_{Sd}: Momento de torção solicitante de cálculo, desfavorável. **T_{Sd}** : *6.45* kN·m

O momento de torção resistente de cálculo, T_{Rd}, é determinado pela expressão:

T_{Rd} : *69.74* kN·m

Onde:

W_T: Módulo de resistência à torção.	**W_T** : *370.59* cm³
f_y: Resistência ao escoamento do aço.	**f_y** : *345.00* MPa
γ_{a1}: Coeficiente de segurança do material.	**γ_{a1}** : *1.10*

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Resistência ao momento de torção, força axial, momento fletor e cortante (ABNT NBR 8800:2008, Artigo 5.5.2.2)

Este caso não está contemplado pela norma e, portanto, não é possível realizar a verificação.

Resistência a interações de esforços e momento de torção (ABNT NBR 8800:2008, Artigo 5.5.2.3)

Deve satisfazer:

η : ***0.888*** ✓

η : ***0.093*** ✓

(Já que a norma não proporciona uma verificação da tensão total para seções submetidas a torção combinada com outros esforços, considera-se que este elemento também deve cumprir os seguintes critérios para a tensão de Von Mises:)

η : ***0.558*** ✓

O coeficiente de aproveitamento desfavorável produz-se no nó N18, para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL] no ponto da seção transversal de coordenadas X = 175.00 mm, Y = -250.00 mm em relação ao centro de gravidade.

As tensões normais σ_{Sd} são dadas por:

σ_{Sd} : *-190.02* MPa

Onde:

σ_{NSd} : *-57.97* MPa

Sendo:

$N_{c,Sd}$: Força axial de compressão solicitante de cálculo, desfavorável. — $N_{c,Sd}$: *2073.49* kN

Q: Fator de redução total associado à flambagem local (ABNT NBR 8800:2008, Anexo F). — **Q** : *1.000*

A_g: Área bruta da seção transversal da barra. — A_g : *357.70* cm²

$\sigma_{Mx,Sd}$: *-44.34* MPa

Sendo:

$M_{x,Sd}$: Momento fletor solicitante de cálculo, desfavorável. — $M_{x,Sd}^-$: *274.96* kN·m

I_x: Momento de inércia da seção transversal em relação ao eixo X. — I_x : *155013.18* cm4

Y: Coordenada, em relação ao eixo Y, do ponto desfavorável da seção transversal em relação ao centro de gravidade da seção bruta. — **Y** : *-250.00* mm

$\sigma_{My,Sd}$: *-87.71* MPa

Sendo:

$M_{y,Sd}$: Momento fletor solicitante de cálculo, desfavorável. — $M_{y,Sd}^+$: *134.51* kN·m

I_y: Momento de inércia da seção transversal em relação ao eixo Y. — I_y : *26836.68* cm4

X: Coordenada, em relação ao eixo X, do ponto desfavorável da seção transversal em relação ao centro de gravidade da seção bruta. — **X** : *175.00* mm

As tensões tangenciais τ_{Sd} são dadas por:

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τ_{Sd} : *-17.42* MPa

Onde:

$\tau_{Vx,Sd}$: *0.00* MPa

Sendo:

$V_{x,Sd}^-$: Esforço cortante solicitante de cálculo, desfavorável. **$V_{x,Sd}^-$** : *18.61* kN

S_y: Momento estático, em relação ao eixo Y, da parte da seção situada a um lado do ponto de verificação. **S_y** : *0.00* cm³

I_y: Momento de inércia da seção transversal em relação ao eixo Y. **I_y** : *26836.68* cm4

t: Espessura. **t** : *37.50* mm

$\tau_{Vy,Sd}$: *0.00* MPa

Sendo:

$V_{y,Sd}^+$: Esforço cortante solicitante de cálculo, desfavorável. **$V_{y,Sd}^+$** : *109.84* kN

S_x: Momento estático, em relação ao eixo X, da parte da seção situada a um lado do ponto de verificação. **S_x** : *0.00* cm³

I_x: Momento de inércia da seção transversal em relação ao eixo X. **I_x** : *155013.18* cm4

t: Espessura. **t** : *37.50* mm

τ_{TSd} : *-17.42* MPa

Sendo:

T_{Sd}: Momento de torção solicitante de cálculo, desfavorável. **T_{Sd}** : *6.45* kN·m

J: Constante de torção da seção transversal. **J** : *1389.69* cm4

t: Espessura. **t** : *37.50* mm

As tensões totais f_{Sd} são dadas por:

f_{Sd} : *192.40* MPa

A tensão resistente de cálculo, σ_{Rd}, é dada pelo menor valor entre os obtidos por a) e b): σ_{Rd} : *214.07* MPa

(a) Tensão resistente de cálculo para os estados-limites de escoamento sob efeito de tensão normal:

σ_{Rd} : *313.64* MPa

Onde:

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. **γ_{a1}** : *1.10*

(b) Tensão resistente de cálculo para os estados-limites de instabilidade ou flambagem sob efeito de tensão normal:

σ_{Rd} : *214.07* MPa

Onde:

χ: Fator de redução total associado à resistência à compressão (ABNT NBR 8800:2008, Artigo 5.3.3).

χ : *0.683*

Sendo:

λ_0 : *0.955*

σ_e : *378.09* MPa

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Onde:

N_e: Força axial de flambagem elástica. **N_e** : *13524.14* kN

Q: Fator de redução total associado à flambagem local (ABNT NBR 8800:2008, Anexo F). **Q** : *1.000*

A_g: Área bruta da seção transversal da barra. **A_g** : *357.70* cm²

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. **γ_{a1}** : *1.10*

A tensão resistente de cálculo, τ_{Rd}, é dada pelo menor valor entre os obtidos por a) e b): **τ_{Rd}** : *187.79* MPa

(a) Tensão resistente de cálculo para os estados-limites de escoamento sob efeito de tensão de cisalhamento:

τ_{Rd} : *188.18* MPa

Onde:

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. **γ_{a1}** : *1.10*

(b) Tensão resistente de cálculo para os estados-limites de instabilidade ou flambagem sob efeito de tensão cisalhamento:

τ_{Rd} : *187.79* MPa

Onde:

χ: Fator de redução total associado à resistência à compressão (ABNT NBR 8800:2008, Artigo 5.3.3).

χ : *0.998*

Sendo:

λ_0 : *0.071*

τ_e : *41501.48* MPa

σ_E : *8300.30* MPa

Onde:

k_v: Coeficiente de flambagem (ABNT NBR 8800:2008, Artigo 5.4.3). **k_v** : *5.00*

E: Módulo de elasticidade do aço. **E** : *200000* MPa

ν: Coeficiente de Poisson. **ν** : *0.30*

t: Espessura. **t** : *37.50* mm

h: Largura. **h** : *175.00* mm

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. **γ_{a1}** : *1.10*

A tensão resistente de cálculo, f_{Rd} é dada por:

f_{Rd} : *345.00* MPa

Onde:

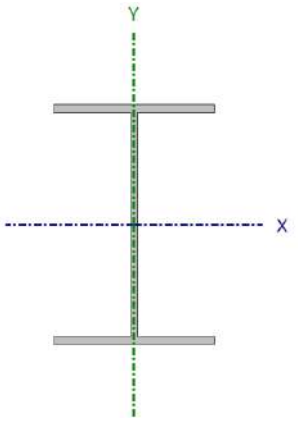
f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. **γ_{a1}** : *1.10*



Barra N58/N32

Perfil: CVS 600x210
Material: Aço (A-588 345MPa)



Nós		Comprimento (m)	Características mecânicas			
Inicial	Final		Área (cm²)	I_x(1) (cm4)	I_y(1) (cm4)	I_t(2) (cm4)
N58	N32	0.825	268.03	172355.98	23912.28	375.52

Notas:
(1) Inércia em relação ao eixo indicado
(2) Momento de inércia à torção uniforme

	Flambagem		Flambagem lateral	
	Plano ZX	Plano ZY	Aba sup.	Aba inf.
β	1.00	1.00	1.00	1.00
L_K	0.825	0.825	0.825	0.825
C_b	-		1.000	

Notação:
β: Coeficiente de flambagem
L_K: Comprimento de flambagem (m)
C_b: Fator de modificação para o momento crítico

Limitação do índice de esbeltez (ABNT NBR 8800:2008, Artigo 5.3.4)

O índice de esbeltez das barras comprimidas, tomado como o maior relação entre o comprimento de flambagem e o raio de giração, não deve ser superior a 200.

λ : ***8.7*** ✓

Onde:

λ: Índice de esbeltez.

λ_x : *3.3*

λ_y : *8.7*

Sendo:

$K_x \cdot L_x$: Comprimento de flambagem por flexão em relação ao eixo X. — **$K_x \cdot L_x$** : *0.825* m

$K_y \cdot L_y$: Comprimento de flambagem por flexão em relação ao eixo Y. — **$K_y \cdot L_y$** : *0.825* m

r_x,r_y: Raios de giração em relação aos eixos principales X, Y, respectivamente. — **r_x** : *25.36* cm; **r_y** : *9.45* cm

Resistência à tração (ABNT NBR 8800:2008, Artigo 5.2)

Deve satisfazer:

η : ***0.003*** ✓

O esforço solicitante de cálculo desfavorável produz-se para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL].

$N_{t,Sd}$: Força axial de tração solicitante de cálculo, desfavorável. — **$N_{t,Sd}$** : *21.60* kN

A força axial de tração resistente de cálculo, $N_{t,Rd}$, deve ser determinada pela expressão:

$N_{t,Rd}$: *8406.46* kN

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Onde:

$\mathbf{A_g}$: Área bruta da seção transversal da barra. $\mathbf{A_g}$: *268.03* cm²

$\mathbf{f_y}$: Resistência ao escoamento do aço. $\mathbf{f_y}$: *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Resistência à compressão (ABNT NBR 8800:2008, Artigo 5.3)

Deve satisfazer:

η : ***0.005*** ✓

O esforço solicitante de cálculo desfavorável produz-se para a combinação de ações PP+LAJE+PAVIMENTAÇÃO+RECAPEAMENTO+GUARDA-RODAS+1.4·Vento180 [NL].

$\mathbf{N_{c,Sd}}$: Força axial de compressão solicitante de cálculo, desfavorável. $\mathbf{N_{c,Sd}}$: *38.26* kN

A força axial de compressão resistente de cálculo, $N_{c,Rd}$, deve ser determinada pela expressão:

$\mathbf{N_{c,Rd}}$: *8359.67* kN

Onde:

χ: Fator de redução total associado à resistência à compressão. χ : *0.994*

$\mathbf{Q}$: Fator de redução total associado à flambagem local. $\mathbf{Q}$: *1.000*

$\mathbf{A_g}$: Área bruta da seção transversal da barra. $\mathbf{A_g}$: *268.03* cm²

$\mathbf{f_y}$: Resistência ao escoamento do aço. $\mathbf{f_y}$: *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Fator de redução χ: (ABNT NBR 8800:2008, Artigo 5.3.3)

χ : *0.994*

Onde:

λ_0: Índice de esbeltez reduzido.

λ_0 : *0.115*

Sendo:

$\mathbf{Q}$: Fator de redução total associado à flambagem local. $\mathbf{Q}$: *1.000*

$\mathbf{A_g}$: Área bruta da seção transversal da barra. $\mathbf{A_g}$: *268.03* cm²

$\mathbf{f_y}$: Resistência ao escoamento do aço. $\mathbf{f_y}$: *345.00* MPa

$\mathbf{N_e}$: Força axial de flambagem elástica. $\mathbf{N_e}$: *693494.32* kN

Força axial de flambagem elástica: (ABNT NBR 8800:2008, Anexo E)

A força axial de flambagem elástica, N_e, de uma barra com seção transversal duplamente simétrica ou simétrica em relação a um ponto, é dada pelo menor valor entre os obtidos por (a), (b) e (c):

$\mathbf{N_e}$: *693494.32* kN

(a) Para flambagem por flexão em relação ao eixo principal de inércia X da seção transversal:

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N_{ex} : *4998597.84* kN

Onde:

$K_x \cdot L_x$: Comprimento de flambagem por flexão em relação ao eixo X. — $K_x \cdot L_x$: *0.825* m

I_x: Momento de inércia da seção transversal em relação ao eixo X. — I_x : *172355.98* cm4

E: Módulo de elasticidade do aço. — **E** : *200000* MPa

(b) Para flambagem por flexão em relação ao eixo principal de inércia Y da seção transversal:

N_{ey} : *693494.32* kN

Onde:

$K_y \cdot L_y$: Comprimento de flambagem por flexão em relação ao eixo Y. — $K_y \cdot L_y$: *0.825* m

I_y: Momento de inércia da seção transversal em relação ao eixo Y. — I_y : *23912.28* cm4

E: Módulo de elasticidade do aço. — **E** : *200000* MPa

(c) Para flambagem por torção em relação ao eixo longitudinal Z:

N_{ez} : *793851.93* kN

Onde:

$K_z \cdot L_z$: Comprimento de flambagem por torção. — $K_z \cdot L_z$: *0.825* m

E: Módulo de elasticidade do aço. — **E** : *200000* MPa

C_w: Constante de empenamento da seção transversal. — C_w : *19944145.82* cm6

G: Módulo de elasticidade transversal do aço. — **G** : *77000* MPa

J: Constante de torção da seção transversal. — **J** : *375.52* cm4

r_0: Raio de giração polar da seção bruta em relação ao centro de cisalhamento.

r_0 : *27.06* cm

Onde:

r_x, r_y: Raios de giração em relação aos eixos principales X, Y, respectivamente. — r_x : *25.36* cm; r_y : *9.45* cm

X_0, Y_0: Coordenadas do centro de cisalhamento na direção dos eixos principales X, Y, respectivamente. — X_0 : *0.00* mm; Y_0 : *0.00* mm

Flambagem local de barras axialmente comprimidas: (ABNT NBR 8800:2008, Anexo F)

Não se aplica nenhuma redução, já que todos os elementos componentes da seção transversal possuem relações entre largura e espessura (b/t) que não superam os valores limite dados na Tabela F.1.

Mesa: Elemento do Grupo 5 da Tabela F.1.

8.93 ≤ **12.70**

Sendo:

(b/t): Relação entre largura e espessura. — **(b/t)** : *8.93*

Onde:

b: Largura. — **b** : *200.00* mm

t: Espessura. — **t** : *22.40* mm

$(b/t)_{lim}$: Relação limite entre largura e espessura.

$(b/t)_{lim}$: *12.70*

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Onde:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

$\mathbf{f_y}$: Resistência ao escoamento do aço. $\mathbf{f_y}$: *345.00* MPa

$\mathbf{k_c}$: *0.68*

h: Altura da alma. **h** : *555.20* mm

$\mathbf{t_w}$: Espessura da alma. $\mathbf{t_w}$: *16.00* mm

Alma: Elemento do Grupo 2 da Tabela F.1.

34.70 ≤ **35.87**

Sendo:

(b/t): Relação entre largura e espessura. **(b/t)** : *34.70*

Onde:

b: Largura. **b** : *555.20* mm

t: Espessura. **t** : *16.00* mm

$\mathbf{(b/t)_{lim}}$: Relação limite entre largura e espessura.

$\mathbf{(b/t)_{lim}}$: *35.87*

Onde:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

$\mathbf{f_y}$: Resistência ao escoamento do aço. $\mathbf{f_y}$: *345.00* MPa

Resistência à flexão eixo X (ABNT NBR 8800:2008, Artigo 5.4.2)

Deve satisfazer:

η : ***0.881*** ✓

O esforço solicitante de cálculo desfavorável produz-se num ponto situado a uma distância de 0.619 m do nó N58, para a combinação de ações 1.3·PP+1.3·LAJE+1.3·PAVIMENTAÇÃO+1.3·RECAPEAMENTO+1.3·GUARDA-RODAS+Multidão-Passeio+Multidão-TB450+TB-450-E1 [NL].

$\mathbf{M_{sd}^+}$: Momento fletor solicitante de cálculo, desfavorável. $\mathbf{M_{sd}^+}$: *1771.50* kN·m

Já que '$\lambda \leq \lambda_r$', deve-se considerar viga de alma não-esbelta (ABNT NBR 8800:2008, Anexo G). **34.70** ≤ **137.24**

Onde:

λ : *34.70*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *555.20* mm

$\mathbf{t_w}$: Espessura da alma. $\mathbf{t_w}$: *16.00* mm

λ_r : *137.24*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

$\mathbf{f_y}$: Resistência ao escoamento do aço. $\mathbf{f_y}$: *345.00* MPa

O momento fletor resistente de cálculo M_{Rd} de vigas de alma não-esbelta deve ser tomado como o menor valor entre os obtidos nas seguintes seções: $\mathbf{M_{Rd}}$: *2009.87* kN·m

(a) Máximo momento fletor resistente de cálculo (ABNT NBR 8800:2008, Artigo 5.4.2.2):

$\mathbf{M_{Rd}}$: *2702.86* kN·m

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Onde:

W_x: Módulo de resistência elástico mínimo da seção transversal em relação ao eixo de flexão. W_x : *5745.20* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(b) Estado-límite último de flambagem lateral com torção, FLT (ABNT NBR 8800:2008, Anexo G):

8.73 ≤ **42.38**

M_{Rd} : *2009.87* kN·m

Onde:

λ : *8.73*

Sendo:

$L_{b,sup}$: Distância entre pontos travados à flambagem lateral. $L_{b,sup}$: *0.825* m

r_y: Raio de giração da seção em relação ao eixo principal de inércia perpendicular ao eixo de flexão. r_y : *9.45* cm

λ_p : *42.38*

Sendo:

E: Módulo de elasticidade do aço. E : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

M_{pl} : *2210.86* kN

Onde:

Z_x: Módulo de resistência plástico. Z_x : *6408.28* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(c) Estado-límite último de flambagem local da mesa comprimida, FLM (ABNT NBR 8800:2008, Anexo G):

8.93 ≤ **9.15**

M_{Rd} : *2009.87* kN·m

Onde:

λ : *8.93*

Sendo:

b_f: Largura da mesa comprimida. b_f : *400.00* mm

t_f: Espessura da mesa comprimida. t_f : *22.40* mm

λ_p : *9.15*

Sendo:

E: Módulo de elasticidade do aço. E : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

M_{pl} : *2210.86* kN

Onde:

Z_x: Módulo de resistência plástico. Z_x : *6408.28* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(d) Estado-limite último de flambagem local da alma, FLA (ABNT NBR 8800:2008, Anexo G):

34.70 ≤ **90.53**

M_{Rd} : *2009.87* kN·m

Onde:

λ : *34.70*

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Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *555.20* mm

t_w: Espessura da alma. t_w : *16.00* mm

λ_p : *90.53*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

M_{pl} : *2210.86* kN

Onde:

Z_x: Módulo de resistência plástico. Z_x : *6408.28* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Resistência à flexão eixo Y (ABNT NBR 8800:2008, Artigo 5.4.2)

Deve satisfazer:

η : ***0.009*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N32, para a combinação de ações 1.5·PP+LAJE+PAVIMENTAÇÃO+RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL].

M_{Sd}^-: Momento fletor solicitante de cálculo, desfavorável. M_{Sd}^- : *5.10* kN·m

O momento fletor resistente de cálculo M_{Rd} deve ser tomado como o menor valor entre os obtidos nas seguintes seções: M_{Rd} : *562.48* kN·m

(a) Máximo momento fletor resistente de cálculo (ABNT NBR 8800:2008, Artigo 5.4.2.2):

M_{Rd} : *562.48* kN·m

Onde:

W_y: Módulo de resistência elástico mínimo da seção transversal em relação ao eixo de flexão. W_y : *1195.61* cm³

f_y: Resistência ao escoamento do aço. f_y : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

(b) Estado-límite último de flambagem local da mesa comprimida, FLM (ABNT NBR 8800:2008, Anexo G):

8.93 ≤ **9.15**

M_{Rd} : *573.18* kN·m

Onde:

λ : *8.93*

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Sendo:

b_f: Largura da mesa comprimida. **b_f** : *400.00* mm

t_f: Espessura da mesa comprimida. **t_f** : *22.40* mm

λ_p : *9.15*

Sendo:

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

M_{pl} : *630.50* kN

Onde:

Z_y: Módulo de resistência plástico. **Z_y** : *1827.53* cm³

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Resistência ao esforço cortante X (ABNT NBR 8800:2008, Artigo 5.4.3)

Deve satisfazer:

η < ***0.001*** ✓

O esforço solicitante de cálculo desfavorável produz-se para a combinação de ações 1.5·PP+LAJE+PAVIMENTAÇÃO+RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL].

V_{Sd}: Esforço cortante solicitante de cálculo, desfavorável. **V_{Sd}** : *0.89* kN

A força cortante resistente de cálculo, V_{Rd}, é determinada pela expressão:

8.93 ≤ **29.01**

V_{Rd} : *3372.22* kN

Onde:

λ : *8.93*

Sendo:

b_f: Largura das mesas. **b_f** : *400.00* mm

t_f: Espessura das mesas. **t_f** : *22.40* mm

λ_p : *29.01*

Sendo:

k_v: Coeficiente de flambagem. **k_v** : *1.20*

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

V_{pl} : *3709.44* kN

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Sendo:

A_w: Área efetiva ao cisalhamento.

A_w : *179.20* cm²

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

Resistência ao esforço cortante Y (ABNT NBR 8800:2008, Artigo 5.4.3)

Deve satisfazer:

η : ***0.042*** ✓

O esforço solicitante de cálculo desfavorável produz-se no nó N32, para a combinação de ações 1.5·PP+1.5·LAJE+1.5·PAVIMENTAÇÃO+1.5·RECAPEAMENTO+1.5·GUARDA-RODAS+1.4·Vento0 [NL].

V_{Sd}: Esforço cortante solicitante de cálculo, desfavorável. **V_{Sd}** : *76.70* kN

A força cortante resistente de cálculo, V_{Rd}, é determinada pela expressão:

34.70 ≤ **59.22**

V_{Rd} : *1806.55* kN

Onde:

λ : *34.70*

Sendo:

h: Altura da alma, tomada igual à distancia entre as faces internas das mesas. **h** : *555.20* mm

t_w: Espessura da alma. **t_w** : *16.00* mm

λ_p : *59.22*

Sendo:

k_v: Coeficiente de flambagem. **k_v** : *5.00*

E: Módulo de elasticidade do aço. **E** : *200000* MPa

f_y: Resistência ao escoamento do aço. **f_y** : *345.00* MPa

V_{pl} : *1987.20* kN

Sendo:

A_w: Área efetiva ao cisalhamento.

A_w : *96.00* cm²

d: Altura total da seção transversal. **d** : *600.00* mm

γ_{a1}: Coeficiente de segurança do material. γ_{a1} : *1.10*

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Resistência ao esforço axial e flexão combinados (ABNT NBR 8800:2008, Artigo 5.5.1.2)

Deve satisfazer:

η : ***0.887*** ✓

O esforço solicitante de cálculo desfavorável produz-se num ponto situado a uma distância de 0.619 m do nó N58, para a combinação de ações 1.3·PP+1.3·LAJE+1.3·PAVIMENTAÇÃO+1.3·RECAPEAMENTO+1.3·GUARDA-RODAS+Multidão-Passeio+Multidão-TB450+TB-450-E1 [NL].

$\mathbf{N_{t,Sd}}$: Força axial de tração solicitante de cálculo, desfavorável.	$\mathbf{N_{t,Sd}}$: *0.10* kN
$\mathbf{M_{x,Sd}}$: Momento fletor solicitante de cálculo, desfavorável.	$\mathbf{M_{x,Sd}^+}$: *1771.50* kN·m
$\mathbf{M_{y,Sd}}$: Momento fletor solicitante de cálculo, desfavorável.	$\mathbf{M_{y,Sd}^+}$: *3.15* kN·m

0.000 < **0.200**

η : *0.887*

Onde:

$\mathbf{N_{t,Rd}}$: Força axial resistente de cálculo de tração (ABNT NBR 8800:2008, Artigo 5.2).	$\mathbf{N_{t,Rd}}$: *8406.46* kN
$\mathbf{M_{x,Rd}}$,$\mathbf{M_{y,Rd}}$: Momentos fletores resistentes de cálculo, respectivamente em relação aos eixos X e Y da seção transversal (ABNT NBR 8800:2008, Artigo 5.4.2).	$\mathbf{M_{x,Rd}}$: *2009.87* kN·m $\mathbf{M_{y,Rd}}$: *562.48* kN·m

Resistência à torção (ABNT NBR 8800:2008, Artigo 5.5.2.1)

A verificação não é necessária, já que não existe momento torsor.

Resistência ao momento de torção, força axial, momento fletor e cortante (ABNT NBR 8800:2008, Artigo 5.5.2.2)

Não há interação entre a esforço axial, momento fletor, esforço cortante e momento torsor. Portanto, a verificação não é necessária.

Resistência a interações de esforços e momento de torção (ABNT NBR 8800:2008, Artigo 5.5.2.3)

Não há interação entre os dois esforços cortantes nem entre o momento torsor, esforço axial, momentos fletores e esforços cortantes. Portanto, a verificação não é necessária.

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2.2.1.4. Verificações E.L.U. (Resumido)

Barras	VERIFICAÇÕES (ABNT NBR 8800:2008)											Estado
	λ	N_t	N_c	M_x	M_y	V_x	V_y	NM_xM_y	T	NMVT	σ τ f	
N1/N4	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 31.1	x: 0 m η = 22.1	x: 6.326 m η = 16.1	x: 0 m η = 0.5	x: 6.326 m η = 6.2	x: 6.326 m η = 53.6	η = 12.7	N.A.(2)	x: 6.326 m η = 84.7	**PASSA η = 84.7**
N175/N187	N.A.(3)	x: 5.944 m η = 16.5	N.A.(4)	x: 0 m η = 29.3	x: 5.944 m η = 4.7	x: 0 m η = 0.2	x: 0 m η = 9.0	x: 0 m η = 37.4	η = 0.8	N.A.(2)	N.A.(5)	**PASSA η = 37.4**
N174/N173	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 54.5	x: 6.172 m η = 36.4	x: 2.7 m η = 3.3	x: 6.172 m η = 0.2	x: 6.172 m η = 7.7	x: 6.172 m η = 86.5	η = 0.4	N.A.(2)	N.A.(5)	**PASSA η = 86.5**
N176/N172	N.A.(3)	x: 5.943 m η = 30.3	N.A.(4)	x: 0 m η = 43.6	x: 2.6 m η = 2.8	x: 5.943 m η = 0.2	x: 0 m η = 9.9	x: 0 m η = 68.8	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 68.8**
N177/N171	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 51.8	x: 0 m η = 40.2	x: 3.085 m η = 3.1	x: 6.171 m η = 0.2	x: 6.171 m η = 8.7	x: 0 m η = 87.5	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 87.5**
N178/N170	N.A.(3)	x: 5.941 m η = 24.8	N.A.(4)	x: 5.941 m η = 37.6	x: 2.971 m η = 2.8	x: 5.941 m η = 0.2	x: 0 m η = 8.5	x: 5.941 m η = 58.2	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 58.2**
N179/N169	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 35.5	x: 0 m η = 29.2	x: 3.085 m η = 3.1	x: 6.169 m η = 0.2	x: 6.169 m η = 6.2	x: 0 m η = 61.5	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 61.5**
N180/N168	N.A.(3)	x: 5.94 m η = 16.5	N.A.(4)	x: 5.94 m η = 21.8	x: 2.97 m η = 2.8	x: 5.94 m η = 0.2	x: 0 m η = 4.9	x: 5.94 m η = 30.1	η = 0.3	N.A.(2)	N.A.(5)	**PASSA η = 30.1**
N181/N167	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 8.5	x: 0 m η = 13.3	x: 3.096 m η = 3.2	x: 6.192 m η = 0.2	x: 6.192 m η = 2.7	x: 0 m η = 17.5	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 17.5**
N182/N166	N.A.(3)	x: 6.142 m η = 7.3	N.A.(4)	x: 6.142 m η = 6.6	x: 3.071 m η = 3.1	x: 6.142 m η = 0.2	x: 0 m η = 1.4	x: 6.142 m η = 10.3	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 10.3**
N183/N165	N.A.(3)	x: 6.215 m η = 6.2	N.A.(4)	x: 6.215 m η = 4.3	x: 3.108 m η = 3.3	x: 6.215 m η = 0.2	x: 0 m η = 0.8	x: 6.215 m η = 7.4	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 7.4**
N205/N228	$\lambda \leq 200.0$ Passa	x: 6.107 m η = 2.0	x: 0 m η = 2.8	x: 0 m η = 10.9	x: 3.054 m η = 3.3	x: 6.107 m η = 0.2	x: 6.107 m η = 2.3	x: 0 m η = 12.3	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 12.3**
N204/N229	N.A.(3)	x: 5.925 m η = 15.7	N.A.(4)	x: 5.925 m η = 19.5	x: 2.963 m η = 2.7	x: 5.925 m η = 0.2	x: 0 m η = 4.3	x: 5.925 m η = 27.4	η = 0.3	N.A.(2)	N.A.(5)	**PASSA η = 27.4**
N207/N230	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 32.2	x: 0 m η = 27.9	x: 3.043 m η = 2.8	x: 6.085 m η = 0.2	x: 6.085 m η = 6.0	x: 0 m η = 57.0	η = 0.3	N.A.(2)	N.A.(5)	**PASSA η = 57.0**
N206/N231	N.A.(3)	x: 5.939 m η = 24.1	N.A.(4)	x: 5.939 m η = 36.2	x: 0 m η = 0.2	η < 0.1	x: 0 m η = 8.1	x: 5.939 m η = 56.3	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 56.3**
N209/N232	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 49.5	x: 0 m η = 40.5	x: 0 m η = 0.1	η < 0.1	x: 6.099 m η = 8.9	x: 0 m η = 85.6	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 85.6**
N208/N233	N.A.(3)	x: 5.953 m η = 30.6	N.A.(4)	x: 0 m η = 44.5	x: 0 m η = 0.1	η < 0.1	x: 0 m η = 10.2	x: 0 m η = 70.0	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 70.0**
N211/N234	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 60.3	x: 6.113 m η = 39.6	x: 0 m η = 0.4	η < 0.1	x: 6.113 m η = 8.5	x: 6.113 m η = 95.1	η = 0.4	N.A.(2)	N.A.(5)	**PASSA η = 95.1**
N210/N235	N.A.(3)	x: 5.966 m η = 19.4	N.A.(4)	x: 5.966 m η = 35.6	x: 5.966 m η = 3.5	η = 0.1	x: 0 m η = 11.7	x: 5.966 m η = 45.5	η = 0.8	N.A.(2)	N.A.(5)	**PASSA η = 45.5**
N196/N218	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 31.9	x: 6.259 m η = 14.8	x: 6.259 m η = 19.2	x: 0 m η = 0.5	x: 6.259 m η = 1.6	x: 6.259 m η = 55.3	η = 9.7	N.A.(2)	x: 6.259 m η = 88.3	**PASSA η = 88.3**
N2/N8	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 30.8	x: 0 m η = 21.9	x: 6.326 m η = 17.6	x: 0 m η = 0.5	x: 6.326 m η = 6.1	x: 6.326 m η = 55.6	η = 12.8	N.A.(2)	x: 6.326 m η = 89.0	**PASSA η = 89.0**
N155/N154	N.A.(3)	x: 5.944 m η = 16.3	N.A.(4)	x: 0 m η = 28.9	x: 5.944 m η = 5.3	x: 0 m η = 0.2	x: 0 m η = 8.9	x: 0 m η = 37.0	η = 0.8	N.A.(2)	N.A.(5)	**PASSA η = 37.0**
N156/N153	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 53.8	x: 6.172 m η = 36.0	x: 2.7 m η = 3.4	x: 6.172 m η = 0.2	x: 6.172 m η = 7.6	x: 6.172 m η = 85.4	η = 0.4	N.A.(2)	N.A.(5)	**PASSA η = 85.4**
N158/N152	N.A.(3)	x: 5.943 m η = 29.9	N.A.(4)	x: 0 m η = 43.1	x: 2.6 m η = 2.8	x: 5.943 m η = 0.2	x: 0 m η = 9.8	x: 0 m η = 68.0	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 68.0**
N157/N151	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 51.0	x: 0 m η = 39.6	x: 2.7 m η = 3.1	x: 6.171 m η = 0.2	x: 6.171 m η = 8.6	x: 0 m η = 86.1	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 86.1**
N159/N150	N.A.(3)	x: 5.941 m η = 24.4	N.A.(4)	x: 5.941 m η = 37.0	x: 2.971 m η = 2.8	x: 5.941 m η = 0.2	x: 0 m η = 8.3	x: 5.941 m η = 57.2	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 57.2**
N160/N149	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 34.7	x: 0 m η = 28.6	x: 3.085 m η = 3.1	x: 6.169 m η = 0.2	x: 6.169 m η = 6.0	x: 0 m η = 60.1	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 60.1**
N161/N148	N.A.(3)	x: 5.94 m η = 16.1	N.A.(4)	x: 5.94 m η = 21.2	x: 2.97 m η = 2.7	x: 5.94 m η = 0.2	x: 0 m η = 4.7	x: 5.94 m η = 29.2	η = 0.3	N.A.(2)	N.A.(5)	**PASSA η = 29.2**
N162/N147	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 7.8	x: 0 m η = 12.7	x: 3.096 m η = 3.2	x: 6.192 m η = 0.2	x: 6.192 m η = 2.6	x: 0 m η = 16.5	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 16.5**
N163/N146	N.A.(3)	x: 6.142 m η = 6.9	N.A.(4)	x: 6.142 m η = 6.0	x: 3.071 m η = 3.1	x: 6.142 m η = 0.2	x: 0 m η = 1.2	x: 6.142 m η = 9.4	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 9.4**
N164/N145	N.A.(3)	x: 6.215 m η = 6.6	N.A.(4)	x: 6.215 m η = 4.8	x: 3.108 m η = 3.3	x: 0 m η = 0.2	x: 0 m η = 0.9	x: 6.215 m η = 8.1	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 8.1**
N226/N243	$\lambda \leq 200.0$ Passa	x: 6.107 m η = 1.5	x: 0 m η = 3.6	x: 0 m η = 11.5	x: 3.054 m η = 3.3	x: 0 m η = 0.2	x: 6.107 m η = 2.4	x: 0 m η = 13.4	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 13.4**
N227/N242	N.A.(3)	x: 5.925 m η = 16.1	N.A.(4)	x: 5.925 m η = 20.1	x: 2.963 m η = 2.7	x: 5.925 m η = 0.2	x: 0 m η = 4.5	x: 5.925 m η = 28.1	η = 0.3	N.A.(2)	N.A.(5)	**PASSA η = 28.1**
N216/N241	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 32.9	x: 0 m η = 28.3	x: 3.043 m η = 3.0	x: 6.085 m η = 0.2	x: 6.085 m η = 6.1	x: 0 m η = 58.0	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 58.0**
N217/N240	N.A.(3)	x: 5.939 m η = 24.2	N.A.(4)	x: 5.939 m η = 36.3	x: 2.969 m η = 2.7	x: 5.939 m η = 0.2	x: 0 m η = 8.2	x: 5.939 m η = 56.4	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 56.4**
N214/N239	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 48.7	x: 0 m η = 39.5	x: 3.05 m η = 3.0	x: 6.099 m η = 0.2	x: 6.099 m η = 8.7	x: 0 m η = 83.9	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 83.9**

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Barras	VERIFICAÇÕES (ABNT NBR 8800:2008)											Estado
	λ	N_t	N_c	M_x	M_y	V_x	V_y	NM_xM_y	T	NMVT	σ τ f	
N215/N238	N.A.(3)	x: 5.953 m η = 30.3	N.A.(4)	x: 0 m η = 42.1	x: 2.976 m η = 2.7	x: 5.953 m η = 0.2	x: 0 m η = 9.6	x: 0 m η = 67.5	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 67.5**
N212/N237	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 50.5	x: 6.113 m η = 36.1	x: 3.056 m η = 3.1	x: 6.113 m η = 0.2	x: 6.113 m η = 7.7	x: 6.113 m η = 82.2	η = 0.4	N.A.(2)	N.A.(5)	**PASSA η = 82.2**
N213/N236	N.A.(3)	x: 5.966 m η = 16.5	N.A.(4)	x: 0 m η = 27.7	x: 5.966 m η = 5.1	x: 0 m η = 0.2	x: 0 m η = 8.2	x: 0 m η = 35.8	η = 0.9	N.A.(2)	N.A.(5)	**PASSA η = 35.8**
N3/N18	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 31.2	x: 0 m η = 22.1	x: 6.259 m η = 18.6	x: 0 m η = 0.5	x: 6.259 m η = 5.9	x: 6.259 m η = 55.6	η = 9.3	N.A.(2)	x: 6.259 m η = 88.8	**PASSA η = 88.8**
N1/N92	N.A.(3)	η < 0.1	N.A.(4)	x: 1.5 m η = 20.5	x: 1.5 m η < 0.1	η < 0.1	x: 0 m η = 14.3	x: 1.5 m η = 20.5	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 20.5**
N92/N93	N.A.(3)	η < 0.1	N.A.(4)	x: 0.4 m η = 25.2	x: 0.4 m η < 0.1	η < 0.1	x: 0 m η = 11.6	x: 0.4 m η = 25.2	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 25.2**
N93/N94	N.A.(3)	η < 0.1	N.A.(4)	x: 3 m η = 42.4	x: 3 m η = 0.1	η < 0.1	x: 0 m η = 10.7	x: 3 m η = 42.5	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 42.5**
N94/N42	N.A.(3)	η < 0.1	N.A.(4)	x: 0 m η = 42.4	x: 0.825 m η = 0.1	η < 0.1	x: 0 m η = 3.0	x: 0 m η = 42.5	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 42.5**
N42/N97	N.A.(3)	η < 0.1	N.A.(4)	x: 0.825 m η = 42.4	x: 0 m η = 0.1	η < 0.1	x: 0.825 m η = 3.0	x: 0.825 m η = 42.5	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 42.5**
N97/N96	N.A.(3)	η < 0.1	N.A.(4)	x: 0 m η = 42.4	x: 0 m η = 0.1	η < 0.1	x: 3 m η = 10.7	x: 0 m η = 42.5	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 42.5**
N96/N95	N.A.(3)	η < 0.1	N.A.(4)	x: 0 m η = 25.2	x: 0 m η < 0.1	η < 0.1	x: 0.4 m η = 11.6	x: 0 m η = 25.2	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 25.2**
N95/N2	N.A.(3)	η < 0.1	N.A.(4)	x: 0 m η = 20.5	x: 0 m η < 0.1	η < 0.1	x: 1.5 m η = 14.3	x: 0 m η = 20.5	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 20.5**
N19/N86	$\lambda \leq$ 200.0 Passa	η = 0.1	η < 0.1	x: 1.5 m η = 21.1	N.A.(8)	N.A.(9)	x: 0 m η = 17.4	x: 1.5 m η = 21.1	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 21.1**
N86/N87	$\lambda \leq$ 200.0 Passa	η = 0.1	η < 0.1	x: 0.4 m η = 25.9	N.A.(8)	N.A.(9)	x: 0 m η = 13.7	x: 0.4 m η = 25.9	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 25.9**
N87/N88	$\lambda \leq$ 200.0 Passa	η = 0.1	η < 0.1	x: 3 m η = 44.4	N.A.(8)	N.A.(9)	x: 0 m η = 12.4	x: 3 m η = 44.4	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 44.4**
N88/N38	$\lambda \leq$ 200.0 Passa	η = 0.1	η < 0.1	x: 0.413 m η = 44.7	N.A.(8)	N.A.(9)	x: 0 m η = 3.2	x: 0.413 m η = 44.7	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 44.7**
N38/N91	$\lambda \leq$ 200.0 Passa	η = 0.1	η < 0.1	x: 0.413 m η = 44.7	N.A.(8)	N.A.(9)	x: 0.825 m η = 3.2	x: 0.413 m η = 44.7	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 44.7**
N91/N90	$\lambda \leq$ 200.0 Passa	η = 0.1	η < 0.1	x: 0 m η = 44.4	N.A.(8)	N.A.(9)	x: 3 m η = 12.4	x: 0 m η = 44.4	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 44.4**
N90/N89	$\lambda \leq$ 200.0 Passa	η = 0.1	η < 0.1	x: 0 m η = 25.9	N.A.(8)	N.A.(9)	x: 0.4 m η = 13.7	x: 0 m η = 25.9	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 25.9**
N89/N23	$\lambda \leq$ 200.0 Passa	η = 0.1	η < 0.1	x: 0 m η = 21.1	N.A.(8)	N.A.(9)	x: 1.5 m η = 17.4	x: 0 m η = 21.1	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 21.1**
N98/N80	N.A.(3)	η = 0.1	N.A.(4)	x: 1.5 m η = 33.8	N.A.(8)	N.A.(9)	x: 0 m η = 27.7	x: 1.5 m η = 33.8	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 33.8**
N80/N81	N.A.(3)	η = 0.1	N.A.(4)	x: 0.4 m η = 41.6	N.A.(8)	N.A.(9)	x: 0 m η = 22.5	x: 0.4 m η = 41.6	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 41.6**
N81/N82	N.A.(3)	η = 0.1	N.A.(4)	x: 3 m η = 69.8	N.A.(8)	N.A.(9)	x: 0 m η = 20.8	x: 3 m η = 69.8	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 69.8**
N82/N37	N.A.(3)	η = 0.1	N.A.(4)	x: 0 m η = 69.8	N.A.(8)	N.A.(9)	x: 0 m η = 5.9	x: 0 m η = 69.8	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 69.8**
N37/N85	N.A.(3)	η = 0.1	N.A.(4)	x: 0.825 m η = 69.8	N.A.(8)	N.A.(9)	x: 0.825 m η = 5.9	x: 0.825 m η = 69.8	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 69.8**
N85/N84	N.A.(3)	η = 0.1	N.A.(4)	x: 0 m η = 69.8	N.A.(8)	N.A.(9)	x: 3 m η = 20.8	x: 0 m η = 69.8	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 69.8**
N84/N83	N.A.(3)	η = 0.1	N.A.(4)	x: 0 m η = 41.6	N.A.(8)	N.A.(9)	x: 0.4 m η = 22.5	x: 0 m η = 41.6	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 41.6**
N83/N100	N.A.(3)	η = 0.1	N.A.(4)	x: 0 m η = 33.8	N.A.(8)	N.A.(9)	x: 1.5 m η = 27.7	x: 0 m η = 33.8	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 33.8**
N22/N74	$\lambda \leq$ 200.0 Passa	η = 0.1	η < 0.1	x: 1.5 m η = 29.3	x: 1.5 m η = 0.3	η < 0.1	x: 0 m η = 24.4	x: 1.5 m η = 29.6	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 29.6**
N74/N75	$\lambda \leq$ 200.0 Passa	η = 0.1	η < 0.1	x: 0.4 m η = 35.9	x: 0.4 m η = 0.4	η < 0.1	x: 0 m η = 19.2	x: 0.4 m η = 36.3	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 36.3**
N75/N76	$\lambda \leq$ 200.0 Passa	η = 0.1	η < 0.1	x: 3 m η = 61.7	x: 3 m η = 1.1	η < 0.1	x: 0 m η = 17.5	x: 3 m η = 62.6	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 62.6**
N76/N36	$\lambda \leq$ 200.0 Passa	η = 0.1	η < 0.1	x: 0.413 m η = 62.0	x: 0.825 m η = 1.3	η < 0.1	x: 0 m η = 4.5	x: 0.413 m η = 63.0	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 63.0**
N36/N79	$\lambda \leq$ 200.0 Passa	η = 0.1	η < 0.1	x: 0.413 m η = 62.0	x: 0 m η = 1.3	η < 0.1	x: 0.825 m η = 4.5	x: 0.413 m η = 63.1	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 63.1**
N79/N78	$\lambda \leq$ 200.0 Passa	η = 0.1	η < 0.1	x: 0 m η = 61.7	x: 0 m η = 1.1	η < 0.1	x: 3 m η = 17.5	x: 0 m η = 62.6	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 62.6**
N78/N77	$\lambda \leq$ 200.0 Passa	η = 0.1	η < 0.1	x: 0 m η = 35.9	x: 0 m η = 0.4	η < 0.1	x: 0.4 m η = 19.2	x: 0 m η = 36.3	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 36.3**
N77/N24	$\lambda \leq$ 200.0 Passa	η = 0.1	η < 0.1	x: 0 m η = 29.3	x: 0 m η = 0.3	η < 0.1	x: 1.5 m η = 24.4	x: 0 m η = 29.6	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 29.6**
N198/N68	$\lambda \leq$ 200.0 Passa	N.A.(1)	η = 0.3	x: 1.5 m η = 33.9	x: 1.5 m η = 0.3	η < 0.1	x: 0 m η = 27.8	x: 1.5 m η = 34.0	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 34.0**

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Barras	VERIFICAÇÕES (ABNT NBR 8800:2008)											Estado
	λ	N_t	N_c	M_x	M_y	V_x	V_y	NM_xM_y	T	NMVT	σ τ f	
N68/N69	$\lambda \leq 200.0$ Passa	N.A.(1)	$\eta = 0.3$	x: 0.4 m $\eta = 41.7$	x: 0.4 m $\eta = 0.4$	$\eta < 0.1$	x: 0 m $\eta = 22.5$	x: 0.4 m $\eta = 41.8$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 41.8$**
N69/N70	$\lambda \leq 200.0$ Passa	N.A.(1)	$\eta = 0.3$	x: 3 m $\eta = 70.1$	x: 3 m $\eta = 1.1$	$\eta < 0.1$	x: 0 m $\eta = 20.8$	x: 3 m $\eta = 70.3$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 70.3$**
N70/N35	$\lambda \leq 200.0$ Passa	N.A.(1)	$\eta = 0.3$	x: 0 m $\eta = 70.1$	x: 0.825 m $\eta = 1.3$	$\eta < 0.1$	x: 0 m $\eta = 5.9$	x: 0 m $\eta = 70.3$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 70.3$**
N35/N73	$\lambda \leq 200.0$ Passa	N.A.(1)	$\eta = 0.3$	x: 0.825 m $\eta = 70.1$	x: 0 m $\eta = 1.2$	$\eta < 0.1$	x: 0.825 m $\eta = 5.9$	x: 0.825 m $\eta = 70.3$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 70.3$**
N73/N72	$\lambda \leq 200.0$ Passa	N.A.(1)	$\eta = 0.3$	x: 0 m $\eta = 70.1$	x: 0 m $\eta = 1.0$	$\eta < 0.1$	x: 3 m $\eta = 20.8$	x: 0 m $\eta = 70.3$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 70.3$**
N72/N71	$\lambda \leq 200.0$ Passa	N.A.(1)	$\eta = 0.3$	x: 0 m $\eta = 41.7$	x: 0 m $\eta = 0.4$	$\eta < 0.1$	x: 0.4 m $\eta = 22.5$	x: 0 m $\eta = 41.8$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 41.8$**
N71/N26	$\lambda \leq 200.0$ Passa	N.A.(1)	$\eta = 0.3$	x: 0 m $\eta = 33.9$	x: 0 m $\eta = 0.3$	$\eta < 0.1$	x: 1.5 m $\eta = 27.8$	x: 0 m $\eta = 34.0$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 34.0$**
N197/N62	$\lambda \leq 200.0$ Passa	$\eta < 0.1$	$\eta = 0.4$	x: 1.5 m $\eta = 35.3$	x: 1.5 m $\eta = 0.6$	$\eta = 0.1$	x: 0 m $\eta = 28.8$	x: 1.5 m $\eta = 35.5$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 35.5$**
N62/N63	$\lambda \leq 200.0$ Passa	$\eta < 0.1$	$\eta = 0.4$	x: 0.4 m $\eta = 43.4$	x: 0.4 m $\eta = 0.8$	$\eta = 0.1$	x: 0 m $\eta = 23.5$	x: 0.4 m $\eta = 43.7$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 43.7$**
N63/N64	$\lambda \leq 200.0$ Passa	$\eta < 0.1$	$\eta = 0.5$	x: 3 m $\eta = 72.6$	x: 3 m $\eta = 2.1$	$\eta = 0.1$	x: 0 m $\eta = 21.8$	x: 3 m $\eta = 73.2$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 73.2$**
N64/N34	$\lambda \leq 200.0$ Passa	$\eta < 0.1$	$\eta = 0.4$	x: 0 m $\eta = 72.6$	x: 0.825 m $\eta = 2.5$	$\eta = 0.1$	x: 0.825 m $\eta = 3.2$	x: 0 m $\eta = 73.2$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 73.2$**
N34/N67	$\lambda \leq 200.0$ Passa	$\eta < 0.1$	$\eta = 0.4$	x: 0 m $\eta = 71.3$	x: 0 m $\eta = 2.3$	$\eta = 0.1$	x: 0.825 m $\eta = 6.3$	x: 0 m $\eta = 73.0$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 73.0$**
N67/N66	$\lambda \leq 200.0$ Passa	$\eta < 0.1$	$\eta = 0.5$	x: 0 m $\eta = 69.9$	x: 0 m $\eta = 1.9$	$\eta = 0.1$	x: 3 m $\eta = 19.3$	x: 0 m $\eta = 71.3$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 71.3$**
N66/N65	$\lambda \leq 200.0$ Passa	$\eta < 0.1$	$\eta = 0.4$	x: 0 m $\eta = 39.1$	x: 0 m $\eta = 0.8$	$\eta = 0.1$	x: 0.4 m $\eta = 21.0$	x: 0 m $\eta = 39.7$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 39.7$**
N65/N28	$\lambda \leq 200.0$ Passa	$\eta < 0.1$	$\eta = 0.4$	x: 0 m $\eta = 31.9$	x: 0 m $\eta = 0.6$	$\eta = 0.1$	x: 1.5 m $\eta = 26.3$	x: 0 m $\eta = 32.3$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 32.3$**
N199/N56	$\lambda \leq 200.0$ Passa	$\eta = 0.3$	$\eta = 0.5$	x: 1.5 m $\eta = 40.4$	x: 1.5 m $\eta = 0.2$	$\eta < 0.1$	x: 0 m $\eta = 32.6$	x: 1.5 m $\eta = 40.6$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 40.6$**
N56/N57	$\lambda \leq 200.0$ Passa	$\eta = 0.3$	$\eta = 0.5$	x: 0.4 m $\eta = 50.0$	x: 0.4 m $\eta = 0.3$	$\eta < 0.1$	x: 0 m $\eta = 27.4$	x: 0.4 m $\eta = 50.2$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 50.2$**
N57/N58	$\lambda \leq 200.0$ Passa	$\eta = 0.3$	$\eta = 0.5$	x: 3 m $\eta = 87.6$	x: 3 m $\eta = 0.8$	$\eta < 0.1$	x: 0 m $\eta = 25.7$	x: 3 m $\eta = 88.1$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 88.1$**
N58/N32	$\lambda \leq 200.0$ Passa	$\eta = 0.3$	$\eta = 0.5$	x: 0.619 m $\eta = 88.1$	x: 0.825 m $\eta = 0.9$	$\eta < 0.1$	x: 0.825 m $\eta = 4.2$	x: 0.619 m $\eta = 88.7$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 88.7$**
N32/N61	$\lambda \leq 200.0$ Passa	$\eta = 0.1$	$\eta = 0.5$	x: 0 m $\eta = 88.1$	x: 0 m $\eta = 0.9$	$\eta < 0.1$	x: 0.825 m $\eta = 7.1$	x: 0 m $\eta = 88.6$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 88.6$**
N61/N60	$\lambda \leq 200.0$ Passa	$\eta = 0.1$	$\eta = 0.5$	x: 0 m $\eta = 86.3$	x: 0 m $\eta = 0.8$	$\eta < 0.1$	x: 3 m $\eta = 24.5$	x: 0 m $\eta = 86.8$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 86.8$**
N60/N59	$\lambda \leq 200.0$ Passa	$\eta = 0.1$	$\eta = 0.5$	x: 0 m $\eta = 48.0$	x: 0 m $\eta = 0.3$	$\eta < 0.1$	x: 0.4 m $\eta = 26.2$	x: 0 m $\eta = 48.2$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 48.2$**
N59/N30	$\lambda \leq 200.0$ Passa	$\eta = 0.1$	$\eta = 0.5$	x: 0 m $\eta = 38.9$	x: 0 m $\eta = 0.2$	$\eta < 0.1$	x: 1.5 m $\eta = 31.4$	x: 0 m $\eta = 39.0$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 39.0$**
N196/N50	$\lambda \leq 200.0$ Passa	$\eta = 0.2$	$\eta = 0.1$	x: 1.5 m $\eta = 24.2$	x: 1.5 m $\eta = 0.1$	$\eta < 0.1$	x: 0 m $\eta = 16.7$	x: 1.5 m $\eta = 24.3$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 24.3$**
N50/N51	$\lambda \leq 200.0$ Passa	$\eta = 0.2$	$\eta = 0.1$	x: 0.4 m $\eta = 29.9$	x: 0.4 m $\eta = 0.1$	$\eta < 0.1$	x: 0 m $\eta = 14.0$	x: 0.4 m $\eta = 30.0$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 30.0$**
N51/N52	$\lambda \leq 200.0$ Passa	$\eta = 0.2$	$\eta = 0.1$	x: 3 m $\eta = 52.4$	x: 3 m $\eta = 0.2$	$\eta < 0.1$	x: 0 m $\eta = 13.1$	x: 3 m $\eta = 52.6$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 52.6$**
N52/N33	$\lambda \leq 200.0$ Passa	$\eta = 0.2$	$\eta = 0.1$	x: 0.619 m $\eta = 52.8$	x: 0.825 m $\eta = 0.2$	$\eta < 0.1$	x: 0.825 m $\eta = 2.1$	x: 0.619 m $\eta = 53.0$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 53.0$**
N33/N55	$\lambda \leq 200.0$ Passa	$\eta = 0.2$	$\eta = 0.1$	x: 0 m $\eta = 52.8$	x: 0 m $\eta = 0.2$	$\eta < 0.1$	x: 0.825 m $\eta = 3.5$	x: 0 m $\eta = 52.9$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 52.9$**
N55/N54	$\lambda \leq 200.0$ Passa	$\eta = 0.2$	$\eta = 0.1$	x: 0 m $\eta = 51.7$	x: 0 m $\eta = 0.2$	$\eta < 0.1$	x: 3 m $\eta = 12.5$	x: 0 m $\eta = 51.9$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 51.9$**
N54/N53	$\lambda \leq 200.0$ Passa	$\eta = 0.2$	$\eta = 0.1$	x: 0 m $\eta = 28.8$	x: 0 m $\eta = 0.1$	$\eta < 0.1$	x: 0.4 m $\eta = 13.4$	x: 0 m $\eta = 28.8$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 28.8$**
N53/N3	$\lambda \leq 200.0$ Passa	$\eta = 0.2$	$\eta = 0.1$	x: 0 m $\eta = 23.3$	x: 0 m $\eta = 0.1$	$\eta < 0.1$	x: 1.5 m $\eta = 16.1$	x: 0 m $\eta = 23.4$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 23.4$**
N4/N43	$\lambda \leq 200.0$ Passa	$\eta = 0.6$	$\eta = 2.7$	x: 0 m $\eta = 78.5$	x: 5.725 m $\eta = 4.2$	$\eta = 0.1$	x: 0 m $\eta = 5.9$	x: 0 m $\eta = 82.6$	$\eta = 0.6$	N.A.(2)	N.A.(5)	**PASSA $\eta = 82.6$**
N43/N8	$\lambda \leq 200.0$ Passa	$\eta = 0.7$	$\eta = 3.4$	x: 5.725 m $\eta = 85.8$	x: 0 m $\eta = 4.1$	$\eta = 0.1$	x: 5.725 m $\eta = 6.9$	x: 5.725 m $\eta = 88.5$	$\eta = 0.5$	N.A.(2)	N.A.(5)	**PASSA $\eta = 88.5$**
N5/N44	$\lambda \leq 200.0$ Passa	$\eta = 0.1$	$\eta = 4.1$	x: 3.578 m $\eta = 6.2$	x: 5.725 m $\eta = 0.1$	$\eta < 0.1$	x: 0 m $\eta = 0.7$	x: 3.22 m $\eta = 7.2$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 7.2$**
N44/N9	$\lambda \leq 200.0$ Passa	$\eta = 0.3$	$\eta = 1.7$	x: 2.147 m $\eta = 6.2$	x: 0 m $\eta = 0.1$	$\eta < 0.1$	x: 5.725 m $\eta = 0.7$	x: 2.147 m $\eta = 6.9$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 6.9$**
N7/N45	$\lambda \leq 200.0$ Passa	$\eta < 0.1$	$\eta = 6.6$	x: 5.725 m $\eta = 11.6$	x: 5.725 m $\eta = 0.2$	$\eta < 0.1$	x: 5.725 m $\eta = 1.0$	x: 5.725 m $\eta = 14.9$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 14.9$**
N45/N10	$\lambda \leq 200.0$ Passa	$\eta = 0.3$	$\eta = 6.8$	x: 0 m $\eta = 11.6$	x: 0 m $\eta = 0.2$	$\eta < 0.1$	x: 0 m $\eta = 1.0$	x: 0 m $\eta = 14.0$	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA $\eta = 14.0$**

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Barras	VERIFICAÇÕES (ABNT NBR 8800:2008)											Estado
	λ	N_t	N_c	M_x	M_y	V_x	V_y	NM_xM_y	T	NMVT	σ τ f	
N220/N46	$\lambda \leq 200.0$ Passa	N.A.(1)	η = 11.2	x: 5.725 m η = 22.3	x: 5.725 m η = 0.3	η < 0.1	x: 0 m η = 1.4	x: 5.725 m η = 28.2	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 28.2**
N46/N12	$\lambda \leq 200.0$ Passa	N.A.(1)	η = 9.3	x: 0 m η = 22.3	x: 0 m η = 0.3	η < 0.1	x: 5.725 m η = 1.4	x: 0 m η = 27.2	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 27.2**
N219/N47	$\lambda \leq 200.0$ Passa	N.A.(1)	η = 15.5	x: 5.725 m η = 22.3	x: 5.725 m η = 0.1	η < 0.1	x: 0 m η = 1.4	x: 5.725 m η = 30.2	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 30.2**
N47/N14	$\lambda \leq 200.0$ Passa	N.A.(1)	η = 11.9	x: 0 m η = 22.3	x: 0 m η = 0.1	η < 0.1	x: 5.725 m η = 1.4	x: 0 m η = 28.4	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 28.4**
N221/N48	$\lambda \leq 200.0$ Passa	N.A.(1)	η = 15.2	x: 5.725 m η = 22.3	x: 5.725 m η = 0.3	η < 0.1	x: 0 m η = 1.4	x: 5.725 m η = 30.0	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 30.0**
N48/N16	$\lambda \leq 200.0$ Passa	N.A.(1)	η = 14.6	x: 0 m η = 22.3	x: 0 m η = 0.3	η < 0.1	x: 5.725 m η = 1.4	x: 0 m η = 29.7	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 29.7**
N218/N49	$\lambda \leq 200.0$ Passa	η = 0.7	η = 3.7	x: 0 m η = 85.1	x: 5.725 m η = 4.4	η = 0.1	x: 5.725 m η = 6.1	x: 0 m η = 87.6	η = 0.6	N.A.(2)	N.A.(5)	**PASSA η = 87.6**
N49/N18	$\lambda \leq 200.0$ Passa	η = 0.4	η = 3.5	x: 5.725 m η = 90.0	x: 0 m η = 4.2	η = 0.1	x: 5.725 m η = 7.2	x: 5.725 m η = 92.3	η = 0.4	N.A.(2)	N.A.(5)	**PASSA η = 92.3**
N39/N38	$\lambda \leq 200.0$ Passa	x: 2.627 m η < 0.1	x: 0 m η = 4.4	x: 1.313 m η = 0.5	N.A.(8)	N.A.(9)	x: 0 m η = 0.2	x: 1.313 m η = 2.6	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 4.4**
N40/N39	$\lambda \leq 200.0$ Passa	x: 2.627 m η < 0.1	x: 0 m η = 5.9	x: 1.313 m η = 0.5	N.A.(8)	N.A.(9)	x: 0 m η = 0.2	x: 1.313 m η = 3.4	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 5.9**
N41/N40	$\lambda \leq 200.0$ Passa	x: 2.627 m η < 0.1	x: 0 m η = 5.6	x: 1.313 m η = 0.5	N.A.(8)	N.A.(9)	x: 0 m η = 0.2	x: 1.313 m η = 3.3	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 5.6**
N42/N41	N.A.(3)	x: 2.627 m η < 0.1	N.A.(4)	x: 1.313 m η = 0.5	N.A.(8)	N.A.(9)	x: 0 m η = 0.2	x: 1.313 m η = 0.6	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 0.6**
N43/N186	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 5.3	x: 1.313 m η = 0.5	N.A.(8)	N.A.(9)	x: 0 m η = 0.2	x: 1.313 m η = 3.2	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 5.3**
N186/N185	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 6.5	x: 1.313 m η = 0.5	N.A.(8)	N.A.(9)	x: 0 m η = 0.2	x: 1.313 m η = 3.8	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 6.5**
N185/N184	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 7.9	x: 1.313 m η = 0.5	N.A.(8)	N.A.(9)	x: 0 m η = 0.2	x: 1.313 m η = 4.5	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 7.9**
N184/N44	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 9.3	x: 1.313 m η = 0.5	N.A.(8)	N.A.(9)	x: 0 m η = 0.2	x: 1.313 m η = 5.2	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 9.3**
N44/N45	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 8.4	x: 1.301 m η = 0.5	N.A.(8)	N.A.(9)	x: 0 m η = 0.2	x: 1.301 m η = 4.7	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 8.4**
N37/N36	$\lambda \leq 200.0$ Passa	x: 2.603 m η < 0.1	x: 0 m η = 4.3	x: 1.301 m η = 0.5	N.A.(8)	N.A.(9)	x: 0 m η = 0.2	x: 1.301 m η = 2.6	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 4.3**
N38/N37	$\lambda \leq 200.0$ Passa	x: 2.603 m η < 0.1	x: 0 m η = 4.3	x: 1.301 m η = 0.5	N.A.(8)	N.A.(9)	x: 0 m η = 0.2	x: 1.301 m η = 2.6	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 4.3**
N112/N127	$\lambda \leq 200.0$ Passa	N.A.(1)	η = 0.2	x: 1.5 m η = 24.4	N.A.(8)	N.A.(9)	x: 0 m η = 19.8	x: 1.5 m η = 24.4	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 24.4**
N127/N128	$\lambda \leq 200.0$ Passa	N.A.(1)	η = 0.2	x: 0.4 m η = 30.0	N.A.(8)	N.A.(9)	x: 0 m η = 16.1	x: 0.4 m η = 30.0	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 30.0**
N128/N129	$\lambda \leq 200.0$ Passa	N.A.(1)	η = 0.2	x: 3 m η = 50.5	N.A.(8)	N.A.(9)	x: 0 m η = 14.8	x: 3 m η = 50.5	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 50.5**
N129/N39	$\lambda \leq 200.0$ Passa	N.A.(1)	η = 0.2	x: 0 m η = 50.5	N.A.(8)	N.A.(9)	x: 0 m η = 4.2	x: 0 m η = 50.5	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 50.5**
N39/N130	$\lambda \leq 200.0$ Passa	N.A.(1)	η = 0.2	x: 0.825 m η = 50.5	N.A.(8)	N.A.(9)	x: 0.825 m η = 4.2	x: 0.825 m η = 50.5	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 50.5**
N130/N132	$\lambda \leq 200.0$ Passa	N.A.(1)	η = 0.2	x: 0 m η = 50.5	N.A.(8)	N.A.(9)	x: 3 m η = 14.8	x: 0 m η = 50.5	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 50.5**
N132/N131	$\lambda \leq 200.0$ Passa	N.A.(1)	η = 0.2	x: 0 m η = 30.0	N.A.(8)	N.A.(9)	x: 0.4 m η = 16.1	x: 0 m η = 30.0	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 30.0**
N131/N104	$\lambda \leq 200.0$ Passa	N.A.(1)	η = 0.2	x: 0 m η = 24.4	N.A.(8)	N.A.(9)	x: 1.5 m η = 19.8	x: 0 m η = 24.4	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 24.4**
N2/N109	N.A.(3)	x: 1.313 m η = 6.5	N.A.(4)	x: 1.313 m η = 3.4	x: 1.313 m η = 6.6	x: 0 m η = 0.9	x: 1.313 m η = 2.8	x: 1.313 m η = 12.0	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 12.0**
N109/N155	N.A.(3)	x: 1.063 m η = 6.5	N.A.(4)	x: 1.063 m η = 6.3	x: 1.063 m η = 11.6	η = 0.8	x: 1.063 m η = 2.9	x: 1.063 m η = 19.3	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 19.3**
N155/N105	N.A.(3)	x: 0.25 m η = 8.3	N.A.(4)	x: 0 m η = 35.2	x: 0.25 m η = 12.4	η = 0.7	x: 0 m η = 81.4	x: 0 m η = 44.4	η = 1.9	N.A.(2)	N.A.(5)	**PASSA η = 81.4**
N105/N156	N.A.(3)	x: 0.25 m η = 8.9	N.A.(4)	x: 0 m η = 16.5	x: 0 m η = 12.1	η = 0.6	x: 0 m η = 63.8	x: 0 m η = 29.5	η = 3.3	N.A.(2)	N.A.(5)	**PASSA η = 63.8**
N156/N108	N.A.(3)	x: 1.063 m η = 13.0	N.A.(4)	x: 0 m η = 14.8	x: 0 m η = 11.3	x: 1.063 m η = 0.7	x: 0 m η = 8.9	x: 0 m η = 29.0	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 29.0**
N108/N158	N.A.(3)	x: 1.063 m η = 13.0	N.A.(4)	x: 0 m η = 6.2	x: 0 m η = 7.4	η = 0.7	x: 0 m η = 8.8	x: 0 m η = 17.9	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 17.9**
N158/N103	N.A.(3)	x: 0.25 m η = 13.8	N.A.(4)	x: 0 m η = 9.5	x: 0 m η = 3.3	η = 0.8	x: 0 m η = 73.9	x: 0 m η = 16.8	η = 1.5	N.A.(2)	N.A.(5)	**PASSA η = 73.9**
N103/N157	N.A.(3)	x: 0.25 m η = 14.4	N.A.(4)	x: 0.25 m η = 20.7	x: 0 m η = 2.3	η = 0.3	x: 0 m η = 53.8	x: 0.25 m η = 27.9	η = 1.1	N.A.(2)	N.A.(5)	**PASSA η = 53.8**
N157/N107	N.A.(3)	x: 1.063 m η = 18.4	N.A.(4)	x: 1.063 m η = 8.4	x: 0 m η = 1.9	x: 1.063 m η = 0.4	x: 0 m η = 2.4	x: 1.063 m η = 17.6	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 18.4**
N107/N159	N.A.(3)	x: 1.063 m η = 18.4	N.A.(4)	x: 1.063 m η = 10.6	x: 1.063 m η = 3.0	η = 0.4	x: 0 m η = 2.2	x: 1.063 m η = 19.8	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 19.8**

Adilo José Francisco Junior
Resp. Técnico
HYDRA ENG. E SANEAMENTO LTDA.

Barras	VERIFICAÇÕES (ABNT NBR 8800:2008)											Estado
	λ	N_t	N_c	M_x	M_y	V_x	V_y	NM_xM_y	T	NMVT	σ τ f	
N159/N104	N.A.(3)	x: 0.25 m η = 19.0	N.A.(4)	x: 0.25 m η = 14.4	x: 0.25 m η = 3.7	η = 0.5	x: 0 m η = 54.9	x: 0.25 m η = 23.9	η = 1.5	N.A.(2)	N.A.(5)	**PASSA** **η = 54.9**
N104/N160	N.A.(3)	x: 0.25 m η = 19.7	N.A.(4)	x: 0.25 m η = 20.7	x: 0 m η = 3.7	x: 0 m η = 0.4	x: 0 m η = 36.8	x: 0.25 m η = 30.6	η = 0.9	N.A.(2)	N.A.(5)	**PASSA** **η = 36.8**
N160/N106	N.A.(3)	x: 1.063 m η = 22.1	N.A.(4)	x: 1.063 m η = 12.1	x: 0 m η = 3.2	x: 0 m η = 0.3	x: 0 m η = 1.5	x: 1.063 m η = 32.9	η = 0.2	N.A.(2)	N.A.(5)	**PASSA** **η = 32.9**
N106/N161	N.A.(3)	x: 1.063 m η = 22.1	N.A.(4)	x: 1.063 m η = 12.7	x: 0 m η = 1.4	η = 0.3	x: 0 m η = 1.4	x: 1.063 m η = 33.4	η = 0.2	N.A.(2)	N.A.(5)	**PASSA** **η = 33.4**
N161/N23	N.A.(3)	x: 0.25 m η = 22.4	N.A.(4)	x: 0.25 m η = 15.8	x: 0.25 m η = 1.7	η = 0.3	x: 0 m η = 36.1	x: 0.25 m η = 36.4	η = 0.9	N.A.(2)	N.A.(5)	**PASSA** **η = 36.4**
N1/N175	N.A.(3)	x: 2.377 m η = 6.5	N.A.(4)	x: 2.377 m η = 6.4	x: 2.377 m η = 11.7	η = 0.8	x: 2.377 m η = 3.0	x: 2.377 m η = 19.5	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA** **η = 19.5**
N175/N111	N.A.(3)	x: 0.25 m η = 8.4	N.A.(4)	x: 0 m η = 35.6	x: 0.25 m η = 12.6	η = 0.7	x: 0 m η = 82.2	x: 0 m η = 44.8	η = 2.0	N.A.(2)	N.A.(5)	**PASSA** **η = 82.2**
N111/N174	N.A.(3)	x: 0.25 m η = 8.9	N.A.(4)	x: 0 m η = 16.8	x: 0 m η = 12.6	η = 0.7	x: 0 m η = 64.5	x: 0 m η = 30.0	η = 3.0	N.A.(2)	N.A.(5)	**PASSA** **η = 64.5**
N174/N176	N.A.(3)	x: 2.127 m η = 13.1	N.A.(4)	x: 0 m η = 15.0	x: 0 m η = 11.5	η = 0.7	x: 0 m η = 9.0	x: 0 m η = 29.3	η = 0.1	N.A.(2)	N.A.(5)	**PASSA** **η = 29.3**
N176/N110	N.A.(3)	x: 0.25 m η = 13.9	N.A.(4)	x: 0 m η = 9.7	x: 0 m η = 3.2	η = 0.7	x: 0 m η = 74.7	x: 0 m η = 17.0	η = 1.5	N.A.(2)	N.A.(5)	**PASSA** **η = 74.7**
N110/N177	N.A.(3)	x: 0.25 m η = 14.6	N.A.(4)	x: 0.25 m η = 20.9	x: 0 m η = 2.3	η = 0.4	x: 0 m η = 54.6	x: 0.25 m η = 28.1	η = 1.0	N.A.(2)	N.A.(5)	**PASSA** **η = 54.6**
N177/N178	N.A.(3)	x: 2.127 m η = 18.6	N.A.(4)	x: 2.127 m η = 10.6	x: 2.127 m η = 3.1	η = 0.4	x: 0 m η = 2.4	x: 2.127 m η = 19.9	η = 0.1	N.A.(2)	N.A.(5)	**PASSA** **η = 19.9**
N178/N112	N.A.(3)	x: 0.25 m η = 19.2	N.A.(4)	x: 0.25 m η = 14.4	x: 0.25 m η = 3.6	η = 0.4	x: 0 m η = 55.7	x: 0.25 m η = 24.0	η = 1.6	N.A.(2)	N.A.(5)	**PASSA** **η = 55.7**
N112/N179	N.A.(3)	x: 0.25 m η = 19.9	N.A.(4)	x: 0.25 m η = 21.0	x: 0 m η = 3.5	x: 0 m η = 0.4	x: 0 m η = 37.7	x: 0.25 m η = 31.0	η = 0.8	N.A.(2)	N.A.(5)	**PASSA** **η = 37.7**
N179/N180	N.A.(3)	x: 2.127 m η = 22.4	N.A.(4)	x: 2.127 m η = 12.7	x: 0 m η = 3.1	x: 0 m η = 0.3	x: 0 m η = 1.5	x: 2.127 m η = 33.7	η = 0.2	N.A.(2)	N.A.(5)	**PASSA** **η = 33.7**
N180/N19	N.A.(3)	x: 0.25 m η = 22.7	N.A.(4)	x: 0.25 m η = 15.9	x: 0.25 m η = 1.0	η = 0.3	x: 0 m η = 37.0	x: 0.25 m η = 36.8	η = 0.3	N.A.(2)	N.A.(5)	**PASSA** **η = 37.0**
N9/N146	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 29.9	x: 0.25 m η = 12.4	x: 0 m η = 3.6	x: 0 m η = 0.1	x: 0 m η = 17.7	x: 0.25 m η = 41.0	η = 2.7	N.A.(2)	N.A.(5)	**PASSA** **η = 41.0**
N146/N99	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 30.6	x: 0 m η = 11.0	x: 1.051 m η = 3.6	η = 0.1	x: 1.051 m η = 0.5	x: 0 m η = 40.5	η = 0.1	N.A.(2)	N.A.(5)	**PASSA** **η = 40.5**
N99/N145	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 30.6	x: 0 m η = 10.6	x: 1.051 m η = 4.1	η = 0.1	x: 1.051 m η = 0.6	x: 0 m η = 40.1	η = 0.1	N.A.(2)	N.A.(5)	**PASSA** **η = 40.1**
N145/N10	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 29.6	x: 0 m η = 11.0	x: 0.25 m η = 4.4	x: 0.25 m η = 0.2	x: 0.25 m η = 17.6	x: 0 m η = 39.4	η = 5.1	N.A.(2)	x: 0 m η = 31.4	**PASSA** **η = 39.4**
N5/N166	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 30.4	x: 0.25 m η = 12.7	x: 0.25 m η = 3.9	x: 0 m η = 0.1	x: 0 m η = 18.7	x: 0.25 m η = 41.7	η = 2.8	N.A.(2)	N.A.(5)	**PASSA** **η = 41.7**
N166/N6	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 31.1	x: 0 m η = 11.1	x: 1.051 m η = 4.3	x: 1.051 m η = 0.1	x: 1.051 m η = 0.5	x: 0 m η = 41.0	η = 0.1	N.A.(2)	N.A.(5)	**PASSA** **η = 41.0**
N6/N165	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 31.1	x: 0 m η = 10.6	x: 1.051 m η = 4.8	x: 1.051 m η = 0.1	x: 1.051 m η = 0.7	x: 0 m η = 40.6	η = 0.1	N.A.(2)	N.A.(5)	**PASSA** **η = 40.6**
N165/N7	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 30.2	x: 0 m η = 10.7	x: 0.25 m η = 4.8	x: 0.25 m η = 0.3	x: 0.25 m η = 16.7	x: 0 m η = 39.8	η = 5.6	N.A.(2)	x: 0 m η = 40.8	**PASSA** **η = 40.8**
N111/N139	$\lambda \leq$ 200.0 Passa	η = 0.1	η = 0.5	x: 1.5 m η = 42.7	N.A.(8)	N.A.(9)	x: 0 m η = 28.2	x: 1.5 m η = 42.7	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA** **η = 42.7**
N139/N140	$\lambda \leq$ 200.0 Passa	η = 0.1	η = 0.4	x: 0.4 m η = 52.5	N.A.(8)	N.A.(9)	x: 0 m η = 22.9	x: 0.4 m η = 52.5	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA** **η = 52.5**
N140/N141	$\lambda \leq$ 200.0 Passa	η = 0.1	η = 0.5	x: 3 m η = 88.2	N.A.(8)	N.A.(9)	x: 0 m η = 21.1	x: 3 m η = 88.2	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA** **η = 88.2**
N141/N41	$\lambda \leq$ 200.0 Passa	η = 0.1	η = 0.5	x: 0 m η = 88.2	N.A.(8)	N.A.(9)	x: 0 m η = 6.0	x: 0 m η = 88.2	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA** **η = 88.2**
N41/N142	$\lambda \leq$ 200.0 Passa	η = 0.1	η = 0.5	x: 0.825 m η = 88.2	N.A.(8)	N.A.(9)	x: 0.825 m η = 6.0	x: 0.825 m η = 88.2	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA** **η = 88.2**
N142/N144	$\lambda \leq$ 200.0 Passa	η = 0.1	η = 0.5	x: 0 m η = 88.2	N.A.(8)	N.A.(9)	x: 3 m η = 21.1	x: 0 m η = 88.2	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA** **η = 88.2**
N144/N143	$\lambda \leq$ 200.0 Passa	η = 0.1	η = 0.5	x: 0 m η = 52.5	N.A.(8)	N.A.(9)	x: 0.4 m η = 22.9	x: 0 m η = 52.5	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA** **η = 52.5**
N143/N105	$\lambda \leq$ 200.0 Passa	η = 0.1	η = 0.5	x: 0 m η = 42.7	N.A.(8)	N.A.(9)	x: 1.5 m η = 28.2	x: 0 m η = 42.7	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA** **η = 42.7**
N110/N133	$\lambda \leq$ 200.0 Passa	η < 0.1	η = 0.2	x: 1.5 m η = 21.2	N.A.(8)	N.A.(9)	x: 0 m η = 17.5	x: 1.5 m η = 21.2	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA** **η = 21.2**
N133/N134	$\lambda \leq$ 200.0 Passa	η < 0.1	η = 0.2	x: 0.4 m η = 26.0	N.A.(8)	N.A.(9)	x: 0 m η = 13.7	x: 0.4 m η = 26.0	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA** **η = 26.0**
N134/N135	$\lambda \leq$ 200.0 Passa	η < 0.1	η = 0.3	x: 3 m η = 44.6	N.A.(8)	N.A.(9)	x: 0 m η = 12.5	x: 3 m η = 44.6	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA** **η = 44.6**
N135/N40	$\lambda \leq$ 200.0 Passa	η < 0.1	η = 0.2	x: 0.413 m η = 44.8	N.A.(8)	N.A.(9)	x: 0 m η = 3.2	x: 0.413 m η = 44.8	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA** **η = 44.8**
N40/N136	$\lambda \leq$ 200.0 Passa	η < 0.1	η = 0.2	x: 0.413 m η = 44.8	N.A.(8)	N.A.(9)	x: 0.825 m η = 3.2	x: 0.413 m η = 44.8	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA** **η = 44.8**

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Barras	VERIFICAÇÕES (ABNT NBR 8800:2008)											Estado
	λ	N_t	N_c	M_x	M_y	V_x	V_y	NM_xM_y	T	NMVT	σ τ f	
N136/N138	$\lambda \leq 200.0$ Passa	$\eta < 0.1$	$\eta = 0.2$	x: 0 m $\eta = 44.6$	N.A.[8]	N.A.[9]	x: 3 m $\eta = 12.5$	x: 0 m $\eta = 44.6$	N.A.[6]	N.A.[7]	N.A.[5]	**PASSA $\eta = 44.6$**
N138/N137	$\lambda \leq 200.0$ Passa	$\eta < 0.1$	$\eta = 0.2$	x: 0 m $\eta = 26.0$	N.A.[8]	N.A.[9]	x: 0.4 m $\eta = 13.7$	x: 0 m $\eta = 26.0$	N.A.[6]	N.A.[7]	N.A.[5]	**PASSA $\eta = 26.0$**
N137/N103	$\lambda \leq 200.0$ Passa	$\eta < 0.1$	$\eta = 0.2$	x: 0 m $\eta = 21.2$	N.A.[8]	N.A.[9]	x: 1.5 m $\eta = 17.5$	x: 0 m $\eta = 21.2$	N.A.[6]	N.A.[7]	N.A.[5]	**PASSA $\eta = 21.2$**
N122/N184	$\lambda \leq 200.0$ Passa	$\eta < 0.1$	$\eta = 3.5$	x: 5.725 m $\eta = 22.3$	x: 5.725 m $\eta = 0.5$	$\eta < 0.1$	x: 0 m $\eta = 1.4$	x: 5.725 m $\eta = 24.5$	N.A.[6]	N.A.[7]	N.A.[5]	**PASSA $\eta = 24.5$**
N184/N114	$\lambda \leq 200.0$ Passa	$\eta = 0.4$	$\eta = 7.2$	x: 0 m $\eta = 22.3$	x: 0 m $\eta = 0.5$	$\eta < 0.1$	x: 5.725 m $\eta = 1.4$	x: 0 m $\eta = 26.4$	N.A.[6]	N.A.[7]	N.A.[5]	**PASSA $\eta = 26.4$**
N120/N185	$\lambda \leq 200.0$ Passa	N.A.[1]	$\eta = 8.0$	x: 5.725 m $\eta = 22.3$	x: 5.725 m $\eta = 0.4$	$\eta < 0.1$	x: 0 m $\eta = 1.4$	x: 5.725 m $\eta = 26.7$	N.A.[6]	N.A.[7]	N.A.[5]	**PASSA $\eta = 26.7$**
N185/N113	$\lambda \leq 200.0$ Passa	N.A.[1]	$\eta = 10.3$	x: 0 m $\eta = 22.3$	x: 0 m $\eta = 0.4$	$\eta < 0.1$	x: 5.725 m $\eta = 1.4$	x: 0 m $\eta = 27.8$	N.A.[6]	N.A.[7]	N.A.[5]	**PASSA $\eta = 27.8$**
N121/N186	$\lambda \leq 200.0$ Passa	N.A.[1]	$\eta = 10.7$	x: 5.725 m $\eta = 22.4$	x: 5.725 m $\eta = 0.3$	$\eta < 0.1$	x: 0 m $\eta = 1.4$	x: 5.725 m $\eta = 27.9$	N.A.[6]	N.A.[7]	N.A.[5]	**PASSA $\eta = 27.9$**
N186/N115	$\lambda \leq 200.0$ Passa	N.A.[1]	$\eta = 12.6$	x: 0 m $\eta = 22.4$	x: 0 m $\eta = 0.3$	$\eta < 0.1$	x: 5.725 m $\eta = 1.4$	x: 0 m $\eta = 28.8$	N.A.[6]	N.A.[7]	N.A.[5]	**PASSA $\eta = 28.8$**
N121/N172	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 19.6$	x: 0.25 m $\eta = 14.3$	x: 0 m $\eta = 2.0$	x: 0 m $\eta = 0.2$	x: 0 m $\eta = 81.3$	x: 0.25 m $\eta = 24.4$	$\eta = 0.9$	N.A.[2]	N.A.[5]	**PASSA $\eta = 81.3$**
N172/N124	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 20.7$	x: 1.063 m $\eta = 3.2$	x: 0 m $\eta = 1.8$	$\eta = 0.1$	x: 0 m $\eta = 2.4$	x: 1.063 m $\eta = 23.5$	$\eta = 0.1$	N.A.[2]	N.A.[5]	**PASSA $\eta = 23.5$**
N124/N171	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 20.7$	x: 1.063 m $\eta = 5.3$	x: 0 m $\eta = 1.2$	$\eta = 0.1$	x: 0 m $\eta = 2.2$	x: 1.063 m $\eta = 25.5$	$\eta = 0.1$	N.A.[2]	N.A.[5]	**PASSA $\eta = 25.5$**
N171/N120	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 25.5$	x: 0.25 m $\eta = 9.3$	x: 0 m $\eta = 0.7$	x: 0.25 m $\eta = 0.2$	x: 0 m $\eta = 63.7$	x: 0.25 m $\eta = 33.8$	$\eta = 0.4$	N.A.[2]	N.A.[5]	**PASSA $\eta = 63.7$**
N120/N170	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 25.4$	x: 0.25 m $\eta = 25.8$	x: 0.25 m $\eta = 0.7$	x: 0 m $\eta = 0.2$	x: 0 m $\eta = 63.5$	x: 0.25 m $\eta = 48.4$	$\eta = 0.4$	N.A.[2]	N.A.[5]	**PASSA $\eta = 63.5$**
N170/N125	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 26.5$	x: 0 m $\eta = 14.1$	x: 0.532 m $\eta = 0.7$	x: 0 m $\eta < 0.1$	x: 1.063 m $\eta = 1.4$	x: 0 m $\eta = 39.0$	$\eta = 0.1$	N.A.[2]	N.A.[5]	**PASSA $\eta = 39.0$**
N125/N169	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 26.5$	x: 0 m $\eta = 12.7$	x: 0 m $\eta = 0.7$	x: 1.063 m $\eta = 0.1$	x: 1.063 m $\eta = 1.5$	x: 0 m $\eta = 37.7$	$\eta = 0.1$	N.A.[2]	N.A.[5]	**PASSA $\eta = 37.7$**
N169/N122	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 29.4$	x: 0.25 m $\eta = 12.5$	x: 0.25 m $\eta = 0.6$	x: 0.25 m $\eta = 0.2$	x: 0 m $\eta = 40.9$	x: 0.25 m $\eta = 40.4$	$\eta = 0.9$	N.A.[2]	N.A.[5]	**PASSA $\eta = 40.9$**
N122/N168	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 29.4$	x: 0.25 m $\eta = 22.5$	x: 0 m $\eta = 0.6$	$\eta = 0.3$	x: 0 m $\eta = 40.8$	x: 0.25 m $\eta = 49.4$	$\eta = 0.9$	N.A.[2]	N.A.[5]	**PASSA $\eta = 49.4$**
N168/N126	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 30.1$	x: 0 m $\eta = 15.7$	x: 1.063 m $\eta = 1.6$	$\eta = 0.3$	x: 1.063 m $\eta = 2.7$	x: 0 m $\eta = 43.8$	$\eta = 0.2$	N.A.[2]	N.A.[5]	**PASSA $\eta = 43.8$**
N126/N167	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 30.1$	x: 0 m $\eta = 12.8$	x: 1.063 m $\eta = 3.4$	$\eta = 0.3$	x: 1.063 m $\eta = 2.8$	x: 0 m $\eta = 41.5$	$\eta = 0.2$	N.A.[2]	N.A.[5]	**PASSA $\eta = 41.5$**
N167/N5	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 30.6$	x: 0.25 m $\eta = 8.0$	x: 0.25 m $\eta = 3.8$	x: 0.25 m $\eta = 0.4$	x: 0 m $\eta = 6.9$	x: 0.25 m $\eta = 37.8$	$\eta = 3.7$	N.A.[2]	N.A.[5]	**PASSA $\eta = 37.8$**
N115/N152	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 19.4$	x: 0.25 m $\eta = 14.2$	x: 0 m $\eta = 1.8$	x: 0 m $\eta = 0.2$	x: 0 m $\eta = 80.4$	x: 0.25 m $\eta = 24.2$	$\eta = 0.7$	N.A.[2]	N.A.[5]	**PASSA $\eta = 80.4$**
N152/N117	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 20.5$	x: 1.063 m $\eta = 3.3$	x: 0 m $\eta = 1.7$	$\eta = 0.1$	x: 0 m $\eta = 2.3$	x: 1.063 m $\eta = 23.3$	$\eta = 0.1$	N.A.[2]	N.A.[5]	**PASSA $\eta = 23.3$**
N117/N151	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 20.5$	x: 1.063 m $\eta = 5.4$	x: 0 m $\eta = 1.2$	$\eta = 0.1$	x: 0 m $\eta = 2.2$	x: 1.063 m $\eta = 25.3$	$\eta = 0.1$	N.A.[2]	N.A.[5]	**PASSA $\eta = 25.3$**
N151/N113	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 25.2$	x: 0.25 m $\eta = 9.3$	x: 0 m $\eta = 0.8$	x: 0.25 m $\eta = 0.2$	x: 0 m $\eta = 62.7$	x: 0.25 m $\eta = 33.5$	$\eta = 0.5$	N.A.[2]	N.A.[5]	**PASSA $\eta = 62.7$**
N113/N150	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 25.2$	x: 0.25 m $\eta = 25.5$	x: 0 m $\eta = 0.7$	x: 0 m $\eta = 0.2$	x: 0 m $\eta = 62.5$	x: 0.25 m $\eta = 47.9$	$\eta = 0.5$	N.A.[2]	N.A.[5]	**PASSA $\eta = 62.5$**
N150/N118	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 26.2$	x: 0 m $\eta = 14.0$	x: 0.532 m $\eta = 0.7$	x: 0 m $\eta < 0.1$	x: 1.063 m $\eta = 1.4$	x: 0 m $\eta = 38.6$	$\eta = 0.1$	N.A.[2]	N.A.[5]	**PASSA $\eta = 38.6$**
N118/N149	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 26.2$	x: 0 m $\eta = 12.7$	x: 0 m $\eta = 0.7$	x: 1.063 m $\eta = 0.1$	x: 1.063 m $\eta = 1.5$	x: 0 m $\eta = 37.4$	$\eta = 0.1$	N.A.[2]	N.A.[5]	**PASSA $\eta = 37.4$**
N149/N114	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 29.0$	x: 0.25 m $\eta = 12.4$	x: 0.25 m $\eta = 0.5$	x: 0.25 m $\eta = 0.2$	x: 0 m $\eta = 39.9$	x: 0.25 m $\eta = 39.9$	$\eta = 0.8$	N.A.[2]	N.A.[5]	**PASSA $\eta = 39.9$**
N114/N148	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 29.0$	x: 0.25 m $\eta = 22.2$	x: 0 m $\eta = 0.5$	$\eta = 0.2$	x: 0 m $\eta = 39.8$	x: 0.25 m $\eta = 48.7$	$\eta = 0.8$	N.A.[2]	N.A.[5]	**PASSA $\eta = 48.7$**
N148/N119	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 29.7$	x: 0 m $\eta = 15.6$	x: 1.063 m $\eta = 1.3$	x: 1.063 m $\eta = 0.2$	x: 1.063 m $\eta = 2.6$	x: 0 m $\eta = 43.3$	$\eta = 0.2$	N.A.[2]	N.A.[5]	**PASSA $\eta = 43.3$**
N119/N147	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 29.7$	x: 0 m $\eta = 12.7$	x: 1.063 m $\eta = 3.0$	x: 1.063 m $\eta = 0.3$	x: 1.063 m $\eta = 2.7$	x: 0 m $\eta = 41.0$	$\eta = 0.2$	N.A.[2]	N.A.[5]	**PASSA $\eta = 41.0$**
N147/N9	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 30.2$	x: 0.25 m $\eta = 8.0$	x: 0.25 m $\eta = 3.6$	x: 0.25 m $\eta = 0.4$	x: 0 m $\eta = 6.0$	x: 0.25 m $\eta = 37.4$	$\eta = 3.5$	N.A.[2]	N.A.[5]	**PASSA $\eta = 37.4$**
N8/N154	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 5.6$	x: 0 m $\eta = 23.9$	x: 0 m $\eta = 2.3$	$\eta = 0.1$	x: 0 m $\eta = 75.5$	x: 0 m $\eta = 26.8$	$\eta = 28.4$	N.A.[2]	x: 0 m $\eta = 94.0$	**PASSA $\eta = 94.0$**
N154/N116	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 6.7$	x: 0 m $\eta = 23.2$	x: 0 m $\eta = 2.2$	x: 1.063 m $\eta = 0.1$	x: 0 m $\eta = 10.6$	x: 0 m $\eta = 26.5$	$\eta = 0.6$	N.A.[2]	N.A.[5]	**PASSA $\eta = 26.5$**
N116/N153	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 6.6$	x: 0 m $\eta = 15.1$	x: 0 m $\eta = 1.4$	x: 1.063 m $\eta = 0.1$	x: 0 m $\eta = 10.4$	x: 0 m $\eta = 18.5$	$\eta = 0.6$	N.A.[2]	N.A.[5]	**PASSA $\eta = 18.5$**
N153/N115	$\lambda \leq 200.0$ Passa	N.A.[1]	x: 0 m $\eta = 9.0$	x: 0 m $\eta = 12.3$	x: 0 m $\eta = 0.8$	x: 0.25 m $\eta = 0.2$	x: 0 m $\eta = 51.6$	x: 0 m $\eta = 16.9$	$\eta = 0.1$	N.A.[2]	N.A.[5]	**PASSA $\eta = 51.6$**

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Barras	VERIFICAÇÕES (ABNT NBR 8800:2008)											Estado
	λ	N_t	N_c	M_x	M_y	V_x	V_y	NM_xM_y	T	NMVT	σ τ f	
N4/N187	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 5.6	x: 0 m η = 24.1	x: 0 m η = 2.2	η = 0.2	x: 0 m η = 76.2	x: 0 m η = 27.0	η = 26.0	N.A.(2)	x: 0 m η = 92.8	**PASSA η = 92.8**
N187/N123	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 6.7	x: 0 m η = 23.4	x: 0 m η = 2.0	x: 1.063 m η = 0.1	x: 0 m η = 10.7	x: 0 m η = 26.8	η = 0.8	N.A.(2)	N.A.(5)	**PASSA η = 26.8**
N123/N173	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 6.7	x: 0 m η = 15.3	x: 0 m η = 1.4	x: 1.063 m η = 0.1	x: 0 m η = 10.5	x: 0 m η = 18.7	η = 0.8	N.A.(2)	N.A.(5)	**PASSA η = 18.7**
N173/N121	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 9.1	x: 0 m η = 12.4	x: 0 m η = 0.9	x: 0.25 m η = 0.2	x: 0 m η = 52.2	x: 0 m η = 17.1	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 52.2**
N33/N188	N.A.(3)	x: 1.306 m η < 0.1	N.A.(4)	x: 1.306 m η = 0.8	x: 1.306 m η = 4.6	η = 0.2	x: 0 m η = 0.3	x: 1.306 m η = 4.7	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 4.7**
N188/N32	N.A.(3)	x: 1.306 m η < 0.1	N.A.(4)	x: 1.089 m η = 0.9	x: 1.306 m η = 9.2	η = 0.2	x: 1.306 m η = 0.3	x: 1.306 m η = 10.0	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 10.0**
N3/N31	N.A.(3)	x: 1.306 m η = 6.9	N.A.(4)	x: 1.306 m η = 3.3	x: 1.306 m η = 7.2	x: 0 m η = 1.0	x: 1.306 m η = 2.8	x: 1.306 m η = 12.6	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 12.6**
N31/N213	N.A.(3)	x: 1.056 m η = 6.9	N.A.(4)	x: 1.056 m η = 6.2	x: 1.056 m η = 12.5	x: 0 m η = 0.9	x: 1.056 m η = 2.9	x: 1.056 m η = 20.2	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 20.2**
N213/N30	N.A.(3)	x: 0.25 m η = 9.4	N.A.(4)	x: 0 m η = 34.8	x: 0.25 m η = 13.3	x: 0 m η = 0.6	x: 0 m η = 82.1	x: 0 m η = 45.4	η = 2.0	N.A.(2)	N.A.(5)	**PASSA η = 82.1**
N30/N212	N.A.(3)	x: 0.25 m η = 9.9	N.A.(4)	x: 0 m η = 15.8	x: 0 m η = 13.1	x: 0.25 m η = 0.6	x: 0 m η = 61.3	x: 0 m η = 30.0	η = 2.0	N.A.(2)	N.A.(5)	**PASSA η = 61.3**
N212/N29	N.A.(3)	x: 1.056 m η = 13.3	N.A.(4)	x: 0 m η = 13.9	x: 0 m η = 12.2	x: 1.056 m η = 0.7	x: 0 m η = 8.6	x: 0 m η = 29.1	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 29.1**
N29/N215	N.A.(3)	x: 1.056 m η = 13.3	N.A.(4)	x: 0 m η = 5.7	x: 0 m η = 7.8	x: 1.056 m η = 0.8	x: 0 m η = 8.4	x: 0 m η = 17.9	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 17.9**
N215/N28	N.A.(3)	x: 0.25 m η = 14.7	N.A.(4)	x: 0 m η = 9.9	x: 0 m η = 3.1	x: 0.25 m η = 0.9	x: 0 m η = 74.1	x: 0 m η = 17.3	η = 0.5	N.A.(2)	N.A.(5)	**PASSA η = 74.1**
N28/N214	N.A.(3)	x: 0.25 m η = 15.2	N.A.(4)	x: 0.25 m η = 20.3	x: 0 m η = 1.6	η = 0.3	x: 0 m η = 52.9	x: 0.25 m η = 27.9	η = 0.5	N.A.(2)	N.A.(5)	**PASSA η = 52.9**
N214/N27	N.A.(3)	x: 1.056 m η = 18.6	N.A.(4)	x: 1.056 m η = 8.6	x: 1.056 m η = 1.4	x: 1.056 m η = 0.3	x: 0 m η = 2.3	x: 1.056 m η = 17.9	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 18.6**
N27/N217	N.A.(3)	x: 1.056 m η = 18.6	N.A.(4)	x: 1.056 m η = 10.6	x: 1.056 m η = 3.6	x: 1.056 m η = 0.4	x: 0 m η = 2.1	x: 1.056 m η = 19.9	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 19.9**
N217/N26	N.A.(3)	x: 0.25 m η = 19.7	N.A.(4)	x: 0.25 m η = 13.9	x: 0.25 m η = 4.1	x: 0.25 m η = 0.5	x: 0 m η = 54.1	x: 0.25 m η = 23.7	η = 0.8	N.A.(2)	N.A.(5)	**PASSA η = 54.1**
N26/N216	N.A.(3)	x: 0.25 m η = 20.2	N.A.(4)	x: 0.25 m η = 20.4	x: 0 m η = 4.0	x: 0 m η = 0.4	x: 0 m η = 36.4	x: 0.25 m η = 38.3	η = 0.7	N.A.(2)	N.A.(5)	**PASSA η = 38.3**
N216/N25	N.A.(3)	x: 1.056 m η = 22.2	N.A.(4)	x: 1.056 m η = 12.7	x: 0 m η = 3.5	x: 0 m η = 0.3	x: 0 m η = 1.9	x: 1.056 m η = 33.4	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 33.4**
N25/N227	N.A.(3)	x: 1.056 m η = 22.2	N.A.(4)	x: 1.056 m η = 13.6	x: 0 m η = 1.7	η = 0.3	x: 0 m η = 1.7	x: 1.056 m η = 34.3	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 34.3**
N227/N24	N.A.(3)	x: 0.25 m η = 22.8	N.A.(4)	x: 0.25 m η = 16.7	x: 0.25 m η = 1.2	η = 0.3	x: 0 m η = 36.4	x: 0.25 m η = 37.6	η = 0.8	N.A.(2)	N.A.(5)	**PASSA η = 37.6**
N196/N201	N.A.(3)	x: 1.306 m η = 5.7	N.A.(4)	x: 1.306 m η = 2.1	x: 1.306 m η = 7.3	η = 0.9	x: 1.306 m η = 1.7	x: 1.306 m η = 11.0	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 11.0**
N201/N210	N.A.(3)	x: 1.056 m η = 5.7	N.A.(4)	x: 1.056 m η = 3.9	x: 1.056 m η = 13.1	η = 0.9	x: 1.056 m η = 1.9	x: 1.056 m η = 18.2	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 18.2**
N210/N199	N.A.(3)	x: 0.25 m η = 9.1	N.A.(4)	x: 0 m η = 40.6	x: 0.25 m η = 14.3	η = 0.8	x: 0 m η = 98.2	x: 0 m η = 50.8	η = 2.3	N.A.(2)	N.A.(5)	**PASSA η = 98.2**
N199/N211	N.A.(3)	x: 0.25 m η = 9.6	N.A.(4)	x: 0 m η = 17.9	x: 0 m η = 14.2	η = 0.8	x: 0 m η = 73.2	x: 0 m η = 32.6	η = 2.4	N.A.(2)	N.A.(5)	**PASSA η = 73.2**
N211/N200	N.A.(3)	x: 1.056 m η = 13.7	N.A.(4)	x: 0 m η = 14.8	x: 0 m η = 13.0	η = 0.8	x: 0 m η = 10.2	x: 0 m η = 30.5	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 30.5**
N200/N208	N.A.(3)	x: 1.056 m η = 13.7	N.A.(4)	x: 1.056 m η = 5.4	x: 0 m η = 8.0	η = 0.8	x: 0 m η = 10.0	x: 0 m η = 17.3	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 17.3**
N208/N197	N.A.(3)	x: 0.25 m η = 15.1	N.A.(4)	x: 0.25 m η = 10.7	x: 0 m η = 3.1	η = 0.8	x: 0 m η = 76.4	x: 0.25 m η = 18.3	η = 0.6	N.A.(2)	N.A.(5)	**PASSA η = 76.4**
N197/N209	N.A.(3)	x: 0.25 m η = 15.7	N.A.(4)	x: 0.25 m η = 22.5	x: 0 m η = 2.1	η = 0.4	x: 0 m η = 53.1	x: 0.25 m η = 30.4	η = 0.5	N.A.(2)	N.A.(5)	**PASSA η = 53.1**
N209/N202	N.A.(3)	x: 1.056 m η = 19.1	N.A.(4)	x: 1.056 m η = 9.8	x: 0 m η = 1.6	η = 0.4	x: 0 m η = 1.6	x: 1.056 m η = 19.3	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 19.3**
N202/N206	N.A.(3)	x: 1.056 m η = 19.1	N.A.(4)	x: 1.056 m η = 11.1	x: 1.056 m η = 3.5	η = 0.4	x: 0 m η = 1.5	x: 1.056 m η = 20.7	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 20.7**
N206/N198	N.A.(3)	x: 0.25 m η = 20.2	N.A.(4)	x: 0.25 m η = 14.2	x: 0.25 m η = 4.1	η = 0.4	x: 0 m η = 53.3	x: 0.25 m η = 32.9	η = 1.2	N.A.(2)	N.A.(5)	**PASSA η = 53.3**
N198/N207	N.A.(3)	x: 0.25 m η = 20.7	N.A.(4)	x: 0.25 m η = 20.6	x: 0 m η = 4.1	x: 0 m η = 0.4	x: 0 m η = 35.6	x: 0.25 m η = 39.0	η = 1.2	N.A.(2)	N.A.(5)	**PASSA η = 39.0**
N207/N203	N.A.(3)	x: 1.056 m η = 22.7	N.A.(4)	x: 1.056 m η = 12.9	x: 0 m η = 3.5	x: 0 m η = 0.3	x: 0 m η = 1.8	x: 1.056 m η = 34.2	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 34.2**
N203/N204	N.A.(3)	x: 1.056 m η = 22.7	N.A.(4)	x: 1.056 m η = 13.8	x: 0 m η = 1.7	η = 0.3	x: 0 m η = 1.7	x: 1.056 m η = 34.9	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 34.9**
N204/N22	N.A.(3)	x: 0.25 m η = 23.3	N.A.(4)	x: 0.25 m η = 16.8	x: 0.25 m η = 1.0	η = 0.3	x: 0 m η = 35.6	x: 0.25 m η = 38.3	η = 0.7	N.A.(2)	N.A.(5)	**PASSA η = 38.3**
N205/N22	N.A.(3)	x: 0.25 m η = 24.0	N.A.(4)	x: 0.25 m η = 16.1	x: 0 m η = 1.0	x: 0.25 m η = 0.3	x: 0 m η = 6.2	x: 0.25 m η = 38.2	η = 1.8	N.A.(2)	N.A.(5)	**PASSA η = 38.2**

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Barras	VERIFICAÇÕES (ABNT NBR 8800:2008)											Estado
	λ	N_t	N_c	M_x	M_y	V_x	V_y	NM_xM_y	T	NMVT	σ τ f	
N19/N181	N.A.(3)	x: 0.25 m η = 23.6	N.A.(4)	x: 0.25 m η = 16.2	x: 0.25 m η = 1.4	x: 0 m η = 0.3	x: 0 m η = 7.2	x: 0.25 m η = 38.0	η = 1.7	N.A.(2)	N.A.(5)	**PASSA η = 38.0**
N181/N20	N.A.(3)	x: 1.051 m η = 24.1	N.A.(4)	x: 0 m η = 12.3	x: 1.051 m η = 2.0	x: 0 m η = 0.1	x: 1.051 m η = 2.2	x: 0 m η = 35.1	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 35.1**
N20/N182	N.A.(3)	x: 1.051 m η = 24.1	N.A.(4)	x: 0 m η = 10.9	x: 1.051 m η = 2.4	x: 0 m η = 0.1	x: 1.051 m η = 2.4	x: 0 m η = 33.8	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 33.8**
N182/N98	N.A.(3)	x: 0.25 m η = 24.5	N.A.(4)	x: 0.25 m η = 11.2	x: 0 m η = 2.4	x: 0.25 m η = 0.1	x: 0 m η = 13.7	x: 0.25 m η = 34.4	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 34.4**
N98/N183	N.A.(3)	x: 0.25 m η = 24.7	N.A.(4)	x: 0 m η = 10.9	x: 0.25 m η = 2.4	η = 0.1	x: 0.25 m η = 11.0	x: 0 m η = 34.4	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 34.4**
N183/N21	N.A.(3)	x: 1.051 m η = 24.2	N.A.(4)	x: 1.051 m η = 11.2	x: 0 m η = 2.3	x: 1.051 m η = 0.1	x: 0 m η = 2.8	x: 1.051 m η = 34.2	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 34.2**
N21/N205	N.A.(3)	x: 1.051 m η = 24.2	N.A.(4)	x: 1.051 m η = 13.0	x: 0 m η = 1.7	x: 1.051 m η = 0.2	x: 0 m η = 2.6	x: 1.051 m η = 35.8	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 35.8**
N23/N162	N.A.(3)	x: 0.25 m η = 23.3	N.A.(4)	x: 0.25 m η = 15.9	x: 0.25 m η = 1.7	x: 0 m η = 0.3	x: 0 m η = 6.4	x: 0.25 m η = 37.5	η = 2.1	N.A.(2)	N.A.(5)	**PASSA η = 37.5**
N162/N102	N.A.(3)	x: 1.051 m η = 23.8	N.A.(4)	x: 0 m η = 12.3	x: 1.051 m η = 2.0	x: 0 m η = 0.2	x: 1.051 m η = 2.2	x: 0 m η = 34.7	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 34.7**
N102/N163	N.A.(3)	x: 1.051 m η = 23.8	N.A.(4)	x: 0 m η = 10.9	x: 1.051 m η = 2.3	x: 0 m η = 0.1	x: 1.051 m η = 2.4	x: 0 m η = 33.5	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 33.5**
N163/N100	N.A.(3)	x: 0.25 m η = 24.1	N.A.(4)	x: 0.25 m η = 11.2	x: 0.25 m η = 2.4	x: 0.25 m η = 0.1	x: 0 m η = 12.8	x: 0.25 m η = 34.1	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 34.1**
N100/N164	N.A.(3)	x: 0.25 m η = 24.4	N.A.(4)	x: 0 m η = 10.9	x: 0 m η = 2.4	η = 0.1	x: 0.25 m η = 11.7	x: 0 m η = 34.0	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 34.0**
N164/N101	N.A.(3)	x: 1.051 m η = 23.8	N.A.(4)	x: 1.051 m η = 11.2	x: 0 m η = 2.3	x: 1.051 m η = 0.1	x: 0 m η = 2.7	x: 1.051 m η = 33.7	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 33.7**
N101/N226	N.A.(3)	x: 1.051 m η = 23.8	N.A.(4)	x: 1.051 m η = 12.9	x: 0 m η = 1.7	x: 1.051 m η = 0.2	x: 0 m η = 2.6	x: 1.051 m η = 35.2	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 35.2**
N226/N24	N.A.(3)	x: 0.25 m η = 23.6	N.A.(4)	x: 0 m η = 15.9	x: 0 m η = 1.2	x: 0.25 m η = 0.3	x: 0 m η = 5.1	x: 0 m η = 37.7	η = 1.9	N.A.(2)	N.A.(5)	**PASSA η = 37.7**
N47/N194	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 5.0	x: 1.306 m η = 0.4	N.A.(8)	N.A.(9)	x: 0 m η = 0.2	x: 1.306 m η = 2.9	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 5.0**
N194/N46	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 5.0	x: 0 m η = 0.4	N.A.(8)	N.A.(9)	x: 1.306 m η = 0.2	x: 0 m η = 2.9	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 5.0**
N48/N193	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 4.0	x: 1.306 m η = 0.4	N.A.(8)	N.A.(9)	x: 0 m η = 0.2	x: 1.306 m η = 2.4	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 4.0**
N193/N47	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 4.0	x: 0 m η = 0.4	N.A.(8)	N.A.(9)	x: 1.306 m η = 0.2	x: 0 m η = 2.4	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 4.0**
N49/N192	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 3.3	x: 1.306 m η = 0.4	N.A.(8)	N.A.(9)	x: 0 m η = 0.2	x: 1.306 m η = 2.1	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 3.3**
N192/N48	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 3.3	x: 0 m η = 0.4	N.A.(8)	N.A.(9)	x: 1.306 m η = 0.2	x: 0 m η = 2.1	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 3.3**
N46/N195	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 5.9	x: 1.306 m η = 0.4	N.A.(8)	N.A.(9)	x: 0 m η = 0.2	x: 1.306 m η = 3.4	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 5.9**
N195/N45	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 5.9	x: 0 m η = 0.4	N.A.(8)	N.A.(9)	x: 1.306 m η = 0.2	x: 0 m η = 3.4	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 5.9**
N35/N191	$\lambda \leq$ 200.0 Passa	x: 1.306 m η = 0.4	x: 0 m η = 2.7	x: 1.306 m η = 1.0	x: 1.306 m η = 3.5	η = 0.1	x: 0 m η = 0.3	x: 1.306 m η = 5.2	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 5.2**
N191/N36	$\lambda \leq$ 200.0 Passa	x: 1.306 m η = 0.4	x: 0 m η = 2.7	x: 1.306 m η = 1.3	x: 1.306 m η = 7.0	η = 0.1	x: 1.306 m η = 0.2	x: 1.306 m η = 8.6	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 8.6**
N34/N190	$\lambda \leq$ 200.0 Passa	x: 1.306 m η = 0.3	x: 0 m η = 4.2	x: 1.306 m η = 0.4	x: 1.306 m η = 2.7	η = 0.1	x: 0 m η = 0.2	x: 1.306 m η = 5.0	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 5.0**
N190/N35	$\lambda \leq$ 200.0 Passa	x: 1.306 m η = 0.3	x: 0 m η = 4.2	x: 1.306 m η = 1.3	x: 1.306 m η = 5.4	η = 0.1	x: 1.306 m η = 0.4	x: 1.306 m η = 8.8	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 8.8**
N32/N189	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 4.5	x: 1.306 m η = 0.8	x: 1.306 m η = 4.1	η = 0.2	x: 1.306 m η = 0.3	x: 1.306 m η = 7.1	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 7.1**
N189/N34	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 4.5	x: 1.306 m η = 2.4	x: 1.306 m η = 8.3	η = 0.2	x: 1.306 m η = 0.5	x: 1.306 m η = 12.9	N.A.(6)	N.A.(7)	N.A.(5)	**PASSA η = 12.9**
N218/N235	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 4.6	x: 0 m η = 7.7	x: 0 m η = 2.9	η = 0.2	x: 0 m η = 81.4	x: 0 m η = 11.6	η = 19.2	N.A.(2)	x: 0 m η = 97.9	**PASSA η = 97.9**
N235/N222	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 6.7	x: 0 m η = 11.8	x: 0 m η = 2.6	x: 1.056 m η = 0.1	x: 0 m η = 4.6	x: 0 m η = 15.3	η = 0.6	N.A.(2)	N.A.(5)	**PASSA η = 15.3**
N222/N234	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 6.7	x: 0 m η = 8.4	x: 0 m η = 1.8	x: 1.056 m η = 0.2	x: 0 m η = 4.4	x: 0 m η = 11.8	η = 0.6	N.A.(2)	N.A.(5)	**PASSA η = 11.8**
N234/N221	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 8.9	x: 0 m η = 10.6	x: 0 m η = 1.0	x: 0.25 m η = 0.2	x: 0 m η = 51.9	x: 0 m η = 15.2	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 51.9**
N221/N233	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 19.3	x: 0.25 m η = 18.3	x: 0 m η = 2.2	η = 0.1	x: 0 m η = 80.9	x: 0.25 m η = 28.2	η = 0.8	N.A.(2)	N.A.(5)	**PASSA η = 80.9**
N233/N223	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 21.3	x: 1.056 m η = 5.3	x: 0 m η = 2.0	η = 0.1	x: 0 m η = 1.3	x: 1.056 m η = 26.2	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 26.2**
N223/N232	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 21.3	x: 1.056 m η = 6.5	x: 0 m η = 1.3	η = 0.1	x: 0 m η = 1.2	x: 1.056 m η = 27.1	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 27.1**
N232/N219	$\lambda \leq$ 200.0 Passa	N.A.(1)	x: 0 m η = 25.4	x: 0.25 m η = 10.0	x: 0 m η = 0.6	η = 0.1	x: 0 m η = 61.9	x: 0.25 m η = 34.2	η = 0.5	N.A.(2)	N.A.(5)	**PASSA η = 61.9**

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Barras	VERIFICAÇÕES (ABNT NBR 8800:2008)											Estado
	λ	N_t	N_c	M_x	M_y	V_x	V_y	NM_xM_y	T	NMVT	$\sigma \tau f$	
N219/N231	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 25.3	x: 0.25 m η = 26.0	x: 0 m η = 0.5	x: 0 m η = 0.1	x: 0 m η = 61.7	x: 0.25 m η = 48.4	η = 0.5	N.A.(2)	N.A.(5)	**PASSA η = 61.7**
N231/N224	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 27.0	x: 0 m η = 14.7	x: 1.056 m η = 0.5	x: 0 m η = 0.1	x: 1.056 m η = 1.2	x: 0 m η = 40.1	η = 0.4	N.A.(2)	N.A.(5)	**PASSA η = 40.1**
N224/N230	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 27.0	x: 0 m η = 13.5	x: 1.056 m η = 0.5	x: 1.056 m η < 0.1	x: 1.056 m η = 1.4	x: 0 m η = 39.0	η = 0.4	N.A.(2)	N.A.(5)	**PASSA η = 39.0**
N230/N220	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 29.3	x: 0.25 m η = 13.2	x: 0.25 m η = 0.5	x: 0.25 m η = 0.2	x: 0 m η = 38.4	x: 0.25 m η = 40.9	η = 0.9	N.A.(2)	N.A.(5)	**PASSA η = 40.9**
N220/N229	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 29.2	x: 0.25 m η = 22.5	x: 0 m η = 0.5	η = 0.3	x: 0 m η = 38.2	x: 0.25 m η = 49.3	η = 0.9	N.A.(2)	N.A.(5)	**PASSA η = 49.3**
N229/N225	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 30.4	x: 0 m η = 16.5	x: 1.056 m η = 2.2	η = 0.3	x: 1.056 m η = 3.1	x: 0 m η = 44.8	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 44.8**
N225/N228	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 30.4	x: 0 m η = 13.1	x: 1.056 m η = 4.4	η = 0.3	x: 1.056 m η = 3.2	x: 0 m η = 42.1	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 42.1**
N228/N7	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 30.4	x: 0 m η = 8.0	x: 0.25 m η = 4.8	x: 0.25 m η = 0.4	x: 0.25 m η = 8.2	x: 0 m η = 37.0	η = 6.4	N.A.(2)	x: 0 m η = 38.2	**PASSA η = 38.2**
N16/N238	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 18.7	x: 0.25 m η = 13.8	x: 0 m η = 1.3	x: 0 m η = 0.2	x: 0 m η = 81.3	x: 0.25 m η = 23.5	η = 0.9	N.A.(2)	N.A.(5)	**PASSA η = 81.3**
N238/N15	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 20.7	x: 1.056 m η = 3.4	x: 0 m η = 1.2	η = 0.1	x: 0 m η = 2.6	x: 1.056 m η = 23.6	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 23.6**
N15/N239	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 20.7	x: 1.056 m η = 5.8	x: 0 m η = 1.1	x: 1.056 m η = 0.1	x: 0 m η = 2.4	x: 1.056 m η = 25.8	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 25.8**
N239/N14	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 24.7	x: 0.25 m η = 9.4	x: 0 m η = 0.8	x: 0.25 m η = 0.2	x: 0 m η = 62.1	x: 0.25 m η = 33.1	η = 0.4	N.A.(2)	N.A.(5)	**PASSA η = 62.1**
N14/N240	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 24.6	x: 0.25 m η = 25.5	x: 0.25 m η = 0.7	x: 0 m η = 0.2	x: 0 m η = 61.9	x: 0.25 m η = 47.3	η = 0.4	N.A.(2)	N.A.(5)	**PASSA η = 61.9**
N240/N13	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 26.3	x: 0 m η = 14.2	x: 0.352 m η = 0.7	x: 1.056 m η < 0.1	x: 1.056 m η = 1.2	x: 0 m η = 38.9	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 38.9**
N13/N241	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 26.3	x: 0 m η = 13.1	x: 0 m η = 0.6	x: 1.056 m η = 0.1	x: 1.056 m η = 1.3	x: 0 m η = 37.9	η = 0.1	N.A.(2)	N.A.(5)	**PASSA η = 37.9**
N241/N12	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 28.7	x: 0.25 m η = 13.0	x: 0.25 m η = 0.6	x: 0.25 m η = 0.2	x: 0 m η = 39.3	x: 0.25 m η = 40.1	η = 0.8	N.A.(2)	N.A.(5)	**PASSA η = 40.1**
N12/N242	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 28.6	x: 0.25 m η = 22.5	x: 0 m η = 0.6	η = 0.3	x: 0 m η = 39.2	x: 0.25 m η = 48.7	η = 0.8	N.A.(2)	N.A.(5)	**PASSA η = 48.7**
N242/N11	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 29.8	x: 0 m η = 16.3	x: 1.056 m η = 1.8	η = 0.3	x: 1.056 m η = 3.1	x: 0 m η = 44.0	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 44.0**
N11/N243	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 29.8	x: 0 m η = 13.0	x: 1.056 m η = 3.8	x: 1.056 m η = 0.3	x: 1.056 m η = 3.2	x: 0 m η = 41.3	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 41.3**
N243/N10	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 29.9	x: 0 m η = 7.7	x: 0.25 m η = 4.4	x: 0.25 m η = 0.5	x: 0.25 m η = 6.9	x: 0 m η = 36.1	η = 6.0	N.A.(2)	x: 0.25 m η = 36.7	**PASSA η = 36.7**
N18/N236	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 5.2	x: 0 m η = 29.1	x: 0 m η = 2.3	x: 0.25 m η = 0.1	x: 0 m η = 78.1	x: 0 m η = 31.8	η = 27.3	N.A.(2)	x: 0 m η = 97.0	**PASSA η = 97.0**
N236/N17	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 6.8	x: 0 m η = 26.5	x: 0 m η = 2.1	x: 1.056 m η = 0.1	x: 0 m η = 12.7	x: 0 m η = 30.0	η = 0.6	N.A.(2)	N.A.(5)	**PASSA η = 30.0**
N17/N237	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 6.8	x: 0 m η = 17.0	x: 0 m η = 1.4	x: 1.056 m η = 0.1	x: 0 m η = 12.5	x: 0 m η = 20.4	η = 0.6	N.A.(2)	N.A.(5)	**PASSA η = 20.4**
N237/N16	$\lambda \leq 200.0$ Passa	N.A.(1)	x: 0 m η = 8.7	x: 0 m η = 12.6	x: 0 m η = 0.6	x: 0.25 m η = 0.2	x: 0 m η = 52.1	x: 0 m η = 17.1	η = 0.2	N.A.(2)	N.A.(5)	**PASSA η = 52.1**

Barras	VERIFICAÇÕES (ABNT NBR 8800:2008)											Estado
	λ	N_t	N_c	M_u	M_v	V_u	V_v	NM_uM_v	T	NMVT	$\sigma \tau f$	
N8/N186	N.A.(3)	η = 11.8	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 11.8**
N4/N186	N.A.(3)	η = 16.1	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 16.1**
N115/N185	N.A.(3)	η = 3.7	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 3.7**
N121/N185	N.A.(3)	η = 7.1	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 7.1**
N113/N184	N.A.(3)	η = 0.5	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 0.5**
N120/N184	N.A.(3)	η = 3.9	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 3.9**
N114/N44	N.A.(3)	η = 2.2	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 2.2**
N122/N44	N.A.(3)	η = 7.0	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 7.0**

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Barras	VERIFICAÇÕES (ABNT NBR 8800:2008)											Estado
	λ	N_t	N_c	M_u	M_v	V_u	V_v	NM_uM_v	T	NMVT	$\sigma\ \tau$ f	
N220/N45	N.A.(3)	η = 9.7	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 9.7**
N12/N45	N.A.(3)	η = 12.1	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 12.1**
N14/N46	N.A.(3)	η = 8.3	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 8.3**
N16/N47	N.A.(3)	η = 9.1	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 9.1**
N18/N48	N.A.(3)	η = 15.1	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 15.1**
N28/N35	N.A.(3)	η = 15.2	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 15.2**
N197/N35	N.A.(3)	η = 17.4	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 17.4**
N32/N197	N.A.(3)	η = 40.5	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 40.5**
N32/N28	N.A.(3)	η = 51.3	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 51.3**
N30/N34	N.A.(3)	η = 27.0	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 27.0**
N199/N34	N.A.(3)	η = 35.8	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 35.8**
N34/N198	N.A.(3)	η = 33.0	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 33.0**
N34/N26	N.A.(3)	η = 35.0	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 35.0**
N41/N103	N.A.(3)	η = 37.5	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 37.5**
N103/N39	N.A.(3)	η = 13.5	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 13.5**
N40/N104	N.A.(3)	η = 35.3	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 35.3**
N105/N40	N.A.(3)	η = 35.5	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 35.5**
N41/N110	N.A.(3)	η = 35.7	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 35.7**
N110/N39	N.A.(3)	η = 15.9	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 15.9**
N40/N112	N.A.(3)	η = 32.5	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 32.5**
N111/N40	N.A.(3)	η = 37.7	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 37.7**
N43/N115	N.A.(3)	η = 31.1	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 31.1**
N43/N121	N.A.(3)	η = 27.9	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 27.9**
N186/N113	N.A.(3)	η = 21.2	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 21.2**
N186/N120	N.A.(3)	η = 18.2	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 18.2**
N185/N114	N.A.(3)	η = 13.2	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 13.2**
N185/N122	N.A.(3)	η = 9.8	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 9.8**
N184/N9	N.A.(3)	η = 11.4	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 11.4**
N184/N5	N.A.(3)	η = 6.6	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 6.6**

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Barras	VERIFICAÇÕES (ABNT NBR 8800:2008)											Estado
	λ	N_t	N_c	M_u	M_v	V_u	V_v	NM_uM_v	T	NMVT	$\sigma\ \tau$ f	
N46/N10	N.A.(3)	η = 14.2	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 14.2**
N46/N7	N.A.(3)	η = 16.4	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 16.4**
N47/N12	N.A.(3)	η = 14.8	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 14.8**
N48/N14	N.A.(3)	η = 23.0	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 23.0**
N49/N16	N.A.(3)	η = 32.7	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 32.7**
N9/N45	N.A.(3)	η = 0.1	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 0.1**
N5/N45	N.A.(3)	η = 4.1	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 4.1**
N44/N10	N.A.(3)	η = 0.7	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 0.7**
N44/N7	N.A.(3)	N.A.(1)	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**NÃO APLICÁVEL**
N219/N46	N.A.(3)	η = 5.5	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 5.5**
N47/N220	N.A.(3)	η = 17.2	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 17.2**
N218/N48	N.A.(3)	η = 18.9	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 18.9**
N49/N221	N.A.(3)	η = 28.9	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 28.9**
N221/N47	N.A.(3)	η = 8.7	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 8.7**
N48/N219	N.A.(3)	η = 22.3	N.A.(4)	N.A.(8)	N.A.(8)	N.A.(9)	N.A.(9)	N.A.(2)	N.A.(6)	N.A.(7)	N.A.(10)	**PASSA η = 22.3**

Notação:

- *λ: Limitação do índice de esbeltez*
- *N_t: Resistência à tração*
- *N_c: Resistência à compressão*
- *M_x: Resistência à flexão eixo X*
- *M_y: Resistência à flexão eixo Y*
- *V_x: Resistência ao esforço cortante X*
- *V_y: Resistência ao esforço cortante Y*
- *NM_xM_y: Resistência ao esforço axial e flexão combinados*
- *T: Resistência à torção*
- *NMVT: Resistência ao momento de torção, força axial, momento fletor e cortante*
- *$\sigma\ \tau$ f: Resistência a interações de esforços e momento de torção*
- *x: Distância à origem da barra*
- *η: Coeficiente de aproveitamento (%)*
- *N.A.: Não aplicável*
- *M_u: Resistência à flexão eixo U*
- *M_v: Resistência à flexão eixo V*
- *V_u: Resistência ao esforço cortante U*
- *V_v: Resistência ao esforço cortante V*
- *NM_uM_v: Resistência ao esforço axial e flexão combinados*

Verificações desnecessárias para o tipo de perfil (N.A.):

- *(1) A verificação não será executada, já que não existe esforço axial de tração.*
- *(2) Este caso não está contemplado pela norma e, portanto, não é possível realizar a verificação.*
- *(3) A verificação não procede, já que não há força axial de compressão.*
- *(4) A verificação não será executada, já que não existe esforço axial de compressão.*
- *(5) Não há interação entre os dois esforços cortantes nem entre o momento torsor, esforço axial, momentos fletores e esforços cortantes. Portanto, a verificação não é necessária.*
- *(6) A verificação não é necessária, já que não existe momento torsor.*
- *(7) Não há interação entre a esforço axial, momento fletor, esforço cortante e momento torsor. Portanto, a verificação não é necessária.*
- *(8) A verificação não será executada, já que não existe momento fletor.*
- *(9) A verificação não será executada, já que não existe esforço cortante.*
- *(10) Não há interação entre os dois esforços cortantes, nem entre os dois momentos fletores, nem entre esforço axial e flexão nem entre momento torsor, esforço axial, momentos fletores e esforços cortantes. Portanto, a verificação não é necessária.*

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