N138	1	PP	-0.030	-1.219	0.641	0.00	0.00	0.00
	2	CP1	-0.005	-0.348	0.192	0.00	0.00	0.00
		CP2	-0.003	-0.067	0.034	0.00	0.00	0.00
	3	SC	-0.050	-3.479	1.922	0.00	0.00	0.00
	4	VX+	0.032	0.680	-0.316	0.00	0.00	0.00
		VX-	-0.016	-0.340	0.158	0.00	0.00	0.00
N140	1	PP	0.002	1.050	-0.097	0.00	0.00	0.00
	2	CP1	0.000	0.321	0.019	0.00	0.00	0.00
		CP2	0.003	0.013	-0.002	0.00	0.00	0.00
	3	SC	-0.002	3.214	0.193	0.00	0.00	0.00
	4	VX+	-0.002	-0.821	0.088	0.00	0.00	0.00
		VX-	0.001	0.410	-0.044	0.00	0.00	0.00
N150	1	PP	0.007	-1.049	0.533	0.00	0.00	0.00
	2	CP1	0.001	-0.321	0.176	0.00	0.00	0.00
		CP2	0.001	-0.013	0.005	0.00	0.00	0.00
	3	SC	0.011	-3.210	1.760	0.00	0.00	0.00
	4	VX+	-0.008	0.630	-0.278	0.00	0.00	0.00
		VX-	0.004	-0.315	0.139	0.00	0.00	0.00
N151	1	PP	0.001	1.101	-0.096	0.00	0.00	0.00
	2	CP1	0.001	0.328	0.021	0.00	0.00	0.00
		CP2	0.001	0.011	-0.003	0.00	0.00	0.00
	3	SC	0.006	3.282	0.211	0.00	0.00	0.00
	4	VX+	0.001	-0.877	0.090	0.00	0.00	0.00
		VX-	0.000	0.439	-0.045	0.00	0.00	0.00
N161	1	PP	-0.001	-1.102	0.568	0.00	0.00	0.00
	2	CP1	0.000	-0.328	0.181	0.00	0.00	0.00
		CP2	0.000	-0.011	0.005	0.00	0.00	0.00
	3	SC	-0.001	-3.284	1.812	0.00	0.00	0.00
	4	VX+	0.002	0.689	-0.315	0.00	0.00	0.00
		VX-	-0.001	-0.344	0.158	0.00	0.00	0.00
N162	1	PP	0.004	1.100	-0.098	0.00	0.00	0.00
	2	CP1	0.001	0.325	0.021	0.00	0.00	0.00
		CP2	0.001	0.018	-0.002	0.00	0.00	0.00
	3	SC	0.006	3.249	0.213	0.00	0.00	0.00
	4	VX+	-0.002	-0.790	0.087	0.00	0.00	0.00
		VX-	0.001	0.395	-0.044	0.00	0.00	0.00
N165	1	PP	0.000	-1.100	0.565	0.00	0.00	0.00
	2	CP1	0.000	-0.324	0.179	0.00	0.00	0.00
		CP2	0.000	-0.016	0.007	0.00	0.00	0.00
	3	SC	-0.002	-3.245	1.785	0.00	0.00	0.00
	4	VX+	0.000	0.570	-0.244	0.00	0.00	0.00
		VX-	0.000	-0.285	0.122	0.00	0.00	0.00
N167	1	PP	0.012	1.099	-0.096	0.00	0.00	0.00
	2	CP1	0.006	0.342	0.018	0.00	0.00	0.00
		CP2	0.019	0.062	-0.019	0.00	0.00	0.00
	3	SC	0.059	3.422	0.184	0.00	0.00	0.00
	4	VX+	-0.013	-0.880	0.088	0.00	0.00	0.00
		VX-	0.006	0.440	-0.044	0.00	0.00	0.00

N177	1	PP	0.001	-1.099	0.566	0.00	0.00	0.00
	2	CP1	0.002	-0.342	0.189	0.00	0.00	0.00
		CP2	0.001	-0.068	0.033	0.00	0.00	0.00
	3	SC	0.018	-3.423	1.894	0.00	0.00	0.00
	4	VX+	-0.002	0.691	-0.317	0.00	0.00	0.00
		VX-	0.001	-0.345	0.158	0.00	0.00	0.00
N178	1	PP	-0.024	1.061	-0.099	0.00	0.00	0.00
	2	CP1	-0.009	0.276	0.033	0.00	0.00	0.00
		CP2	-0.093	0.314	-0.009	0.00	0.00	0.00
	3	SC	-0.088	2.762	0.333	0.00	0.00	0.00
	4	VX+	0.023	-0.806	0.090	0.00	0.00	0.00
		VX-	-0.012	0.403	-0.045	0.00	0.00	0.00
N188	1	PP	-0.004	-1.053	0.536	0.00	0.00	0.00
	2	CP1	-0.008	-0.275	0.145	0.00	0.00	0.00
		CP2	0.002	-0.256	0.130	0.00	0.00	0.00
	3	SC	-0.081	-2.750	1.446	0.00	0.00	0.00
	4	VX+	0.008	0.611	-0.265	0.00	0.00	0.00
		VX-	-0.004	-0.305	0.133	0.00	0.00	0.00
N189	1	PP	0.035	1.211	-0.096	0.00	0.00	0.00
	2	CP1	0.012	0.346	0.024	0.00	0.00	0.00
		CP2	0.080	4.013	0.109	0.00	0.00	0.00
	3	SC	0.118	3.463	0.244	0.00	0.00	0.00
	4	VX+	-0.033	-0.896	0.093	0.00	0.00	0.00
		VX-	0.017	0.448	-0.046	0.00	0.00	0.00
N192	1	PP	-0.030	-1.220	0.641	0.00	0.00	0.00
	2	CP1	-0.005	-0.348	0.192	0.00	0.00	0.00
		CP2	0.000	-4.093	2.586	0.00	0.00	0.00
	3	SC	-0.050	-3.480	1.923	0.00	0.00	0.00
	4	VX+	0.032	0.681	-0.316	0.00	0.00	0.00
		VX-	-0.016	-0.341	0.158	0.00	0.00	0.00
N194	1	PP	0.002	1.051	-0.097	0.00	0.00	0.00
	2	CP1	0.000	0.321	0.019	0.00	0.00	0.00
		CP2	-0.024	0.366	-0.024	0.00	0.00	0.00
	3	SC	-0.004	3.213	0.193	0.00	0.00	0.00
	4	VX+	-0.003	-0.822	0.088	0.00	0.00	0.00
		VX-	0.001	0.411	-0.044	0.00	0.00	0.00
N204	1	PP	0.007	-1.050	0.534	0.00	0.00	0.00
	2	CP1	0.001	-0.321	0.176	0.00	0.00	0.00
		CP2	-0.021	-0.335	0.182	0.00	0.00	0.00
	3	SC	0.010	-3.209	1.760	0.00	0.00	0.00
	4	VX+	-0.008	0.631	-0.278	0.00	0.00	0.00
		VX-	0.004	-0.316	0.139	0.00	0.00	0.00
N205	1	PP	0.001	1.101	-0.096	0.00	0.00	0.00
	2	CP1	0.000	0.326	0.021	0.00	0.00	0.00
		CP2	0.008	0.029	-0.015	0.00	0.00	0.00
	3	SC	0.000	3.265	0.215	0.00	0.00	0.00
	4	VX+	0.001	-0.877	0.090	0.00	0.00	0.00
		VX-	0.000	0.439	-0.045	0.00	0.00	0.00

N215	1	PP	-0.001	-1.102	0.568	0.00	0.00	0.00
	2	CP1	0.000	-0.327	0.180	0.00	0.00	0.00
		CP2	0.004	-0.034	0.011	0.00	0.00	0.00
	3	SC	-0.002	-3.266	1.803	0.00	0.00	0.00
	4	VX+	0.002	0.689	-0.315	0.00	0.00	0.00
		VX-	-0.001	-0.344	0.158	0.00	0.00	0.00
N216	1	PP	0.003	1.102	-0.098	0.00	0.00	0.00
	2	CP1	0.000	0.324	0.021	0.00	0.00	0.00
		CP2	0.000	0.022	-0.003	0.00	0.00	0.00
	3	SC	0.004	3.238	0.213	0.00	0.00	0.00
	4	VX+	-0.002	-0.793	0.087	0.00	0.00	0.00
		VX-	0.001	0.397	-0.043	0.00	0.00	0.00
N219	1	PP	0.000	-1.102	0.566	0.00	0.00	0.00
	2	CP1	0.000	-0.324	0.179	0.00	0.00	0.00
		CP2	-0.001	-0.020	0.010	0.00	0.00	0.00
	3	SC	0.001	-3.238	1.786	0.00	0.00	0.00
	4	VX+	0.000	0.572	-0.245	0.00	0.00	0.00
		VX-	0.000	-0.286	0.123	0.00	0.00	0.00
N221	1	PP	0.003	1.094	-0.096	0.00	0.00	0.00
	2	CP1	0.000	0.323	0.022	0.00	0.00	0.00
		CP2	0.001	0.004	-0.001	0.00	0.00	0.00
	3	SC	0.003	3.233	0.215	0.00	0.00	0.00
	4	VX+	-0.001	-0.871	0.090	0.00	0.00	0.00
		VX-	0.001	0.435	-0.045	0.00	0.00	0.00
N231	1	PP	0.000	-1.094	0.562	0.00	0.00	0.00
	2	CP1	0.000	-0.323	0.178	0.00	0.00	0.00
		CP2	0.000	-0.004	0.001	0.00	0.00	0.00
	3	SC	0.000	-3.233	1.785	0.00	0.00	0.00
	4	VX+	-0.001	0.681	-0.310	0.00	0.00	0.00
		VX-	0.000	-0.341	0.155	0.00	0.00	0.00
N232	1	PP	0.003	1.093	-0.096	0.00	0.00	0.00
	2	CP1	0.000	0.323	0.022	0.00	0.00	0.00
		CP2	0.000	0.001	0.000	0.00	0.00	0.00
	3	SC	0.003	3.231	0.215	0.00	0.00	0.00
	4	VX+	-0.001	-0.871	0.090	0.00	0.00	0.00
		VX-	0.001	0.435	-0.045	0.00	0.00	0.00
N242	1	PP	0.000	-1.093	0.562	0.00	0.00	0.00
	2	CP1	0.000	-0.323	0.178	0.00	0.00	0.00
		CP2	0.000	-0.002	0.001	0.00	0.00	0.00
	3	SC	0.000	-3.231	1.784	0.00	0.00	0.00
	4	VX+	0.001	0.681	-0.310	0.00	0.00	0.00
		VX-	0.000	-0.340	0.155	0.00	0.00	0.00
N243	1	PP	0.003	1.103	-0.098	0.00	0.00	0.00
	2	CP1	0.000	0.323	0.022	0.00	0.00	0.00
		CP2	0.001	-0.001	0.000	0.00	0.00	0.00
	3	SC	0.003	3.234	0.215	0.00	0.00	0.00
	4	VX+	-0.001	-0.796	0.087	0.00	0.00	0.00
		VX-	0.001	0.398	-0.044	0.00	0.00	0.00
N246	1	PP	0.000	-1.104	0.567	0.00	0.00	0.00
	2	CP1	0.000	-0.323	0.179	0.00	0.00	0.00
		CP2	0.000	0.001	0.000	0.00	0.00	0.00
	3	SC	0.000	-3.234	1.785	0.00	0.00	0.00
	4	VX+	0.000	0.575	-0.247	0.00	0.00	0.00
		VX-	0.000	-0.288	0.123	0.00	0.00	0.00

N248	1	PP	0.003	1.093	-0.096	0.00	0.00	0.00
	2	CP1	0.000	0.323	0.022	0.00	0.00	0.00
		CP2	0.001	-0.001	0.000	0.00	0.00	0.00
	3	SC	0.004	3.230	0.216	0.00	0.00	0.00
	4	VX+	-0.002	-0.871	0.090	0.00	0.00	0.00
		VX-	0.001	0.435	-0.045	0.00	0.00	0.00
N258	1	PP	0.000	-1.093	0.562	0.00	0.00	0.00
	2	CP1	0.000	-0.323	0.178	0.00	0.00	0.00
		CP2	0.000	0.001	-0.001	0.00	0.00	0.00
	3	SC	0.000	-3.230	1.783	0.00	0.00	0.00
	4	VX+	-0.001	0.681	-0.310	0.00	0.00	0.00
		VX-	0.000	-0.340	0.155	0.00	0.00	0.00
N259	1	PP	0.004	1.092	-0.096	0.00	0.00	0.00
	2	CP1	0.000	0.323	0.022	0.00	0.00	0.00
		CP2	0.001	-0.001	0.000	0.00	0.00	0.00
	3	SC	0.004	3.230	0.215	0.00	0.00	0.00
	4	VX+	-0.001	-0.871	0.090	0.00	0.00	0.00
		VX-	0.001	0.435	-0.045	0.00	0.00	0.00
N269	1	PP	0.000	-1.092	0.561	0.00	0.00	0.00
	2	CP1	0.000	-0.323	0.178	0.00	0.00	0.00
		CP2	0.000	0.001	0.000	0.00	0.00	0.00
	3	SC	0.000	-3.230	1.783	0.00	0.00	0.00
	4	VX+	0.001	0.681	-0.310	0.00	0.00	0.00
		VX-	0.000	-0.341	0.155	0.00	0.00	0.00

NOTAS

OBSERVAÇÕES GERAIS:
1 - DIMENSÕES EM MILIMETROS, EXCETO ONDE INDICADO O CONTRÁRIO;
2 - A ELEVAÇÃO 0,00 É REFERENCIAL A ELEVAÇÃO EXISTENTE E DEVERÁ SER MANTIDA;
3 - A ELEVAÇÃO EM METROS;
4 - SOLDAS CONFORME NORMA "AWS", ELETRODO E70XX (QUANDO NÃO INDICADO);
5 - MATERIAIS QUANDO NÃO INDICADO:
- AÇO PARA USO GERAL, REFERENTE A CHAPAS E PERFIS SOLDADOS: ASTM A36;
- AÇO PARA TUBO CAIXÃO UE [ ]: ASTM A36 / SAE1020 - Fy 250 Mpa (AÇO CONFORMADO A FRIO);
6 - O CONCRETO DEVERÁ POSSUIR RESISTÊNCIA MÍNIMA DE fck > 250 Kgf/cm.

REVISÃO	DESCRIÇÃO	TIPO	ELABORADO	VERIFICADO	DATA
00	EMISSÃO INICIAL	EXE	LDL/ASS	CPM	09/2025

TIPOS DE EMISSÃO
ATP - ANTEPROJETO
BSC - BÁSICO
EXE - EXECUTIVO
APV - APROVADO
PCT - P/ CONSTRUÇÃO
ASB - "AS BUILT"
CNC - CANCELADO

ELABORAÇÃO:
Plator Engenharia de Meio Ambiente
PLATOR - PROJETOS E SERVICOS AMBIENTAIS
ALAMEDA OSCAR NIEMAYER, N°500, SALAS 511 E 902 A 906 – VALE DO SERENO
NOVA LIMA–MG – CEP.: 34.006–056
TEL.: (31) 3347–4405 / (31) 3347–7079 / (31) 3571–1920
EMAIL: contato@grupoprojetoengenharia.com.br

REALIZAÇÃO:
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PRAÇA ANTÔNIO QUIRINO DA SILVA, N° 404 – CENTRO, ITATIAIUÇU – MINAS GERAIS, CEP.: 35.685–000
Telefone: (31) 3572–1244 / (31) 9 9076–4194

ESCOLA CEFET DE ITATIAIUÇU
SUPORTE
RUA OTÁVIO ANTUNES MOREIRA, N° 55 – ITATIAIUÇU, MINAS GERAIS

PROJETO DE EST. METÁLICA

AUTORIA DO PROJETO:
JULIANA GONCALVES OLIVEIRA:04543069603
JULIANA GONÇALVES OLIVEIRA
CREA MG – 239787/D
BRUNO ANDRELLI DA SILVA MACEDO:07533064682
BRUNO ANDRELLI DA S. MACEDO
ENGENHEIRO MECÂNICO
CREA – MG 2168780

CONTRATANTE DO PROJETO:
RESPONSÁVEL DA CONTRATANTE

DATA: SETEMBRO / 2025
ESCALA: INDICADA
CÓDIGO: PRJ-EMT

TITULO DOS DESENHOS:
QUADRO DE CARGAS;
PRANCHA: 17/19

DIREITOS AUTORAIS RESERVADOS; PROIBIDO REPRODUÇÃO, DIVULGAÇÃO OU ALTERAÇÃO SEM ORDEM EXPRESSA DO AUTOR.

TITULO DOS DESENHOS:
PRJ-181640-EMT-0101-REV00

FORMATO - A1
841x594mm