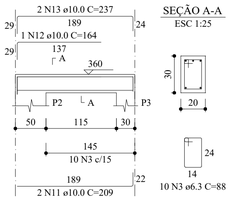
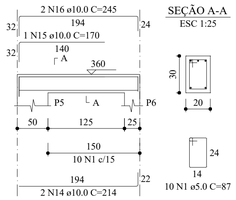
VR1
ESC 1:50



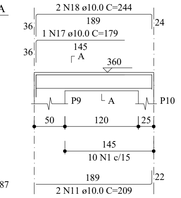
SEÇÃO A-A
ESC 1:25

VR2
ESC 1:50



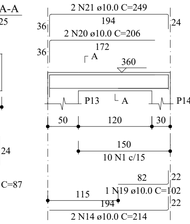
SEÇÃO A-A
ESC 1:25

VR3
ESC 1:50



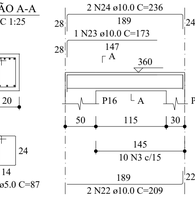
SEÇÃO A-A
ESC 1:25

VR4
ESC 1:50



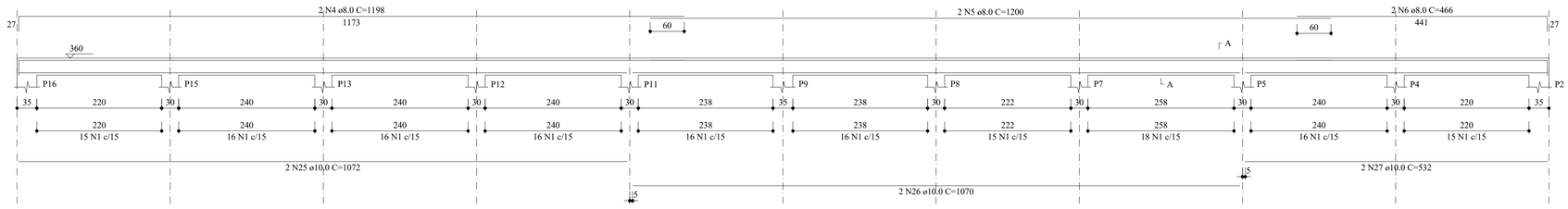
SEÇÃO A-A
ESC 1:25

VR5
ESC 1:50

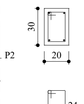


SEÇÃO A-A
ESC 1:25

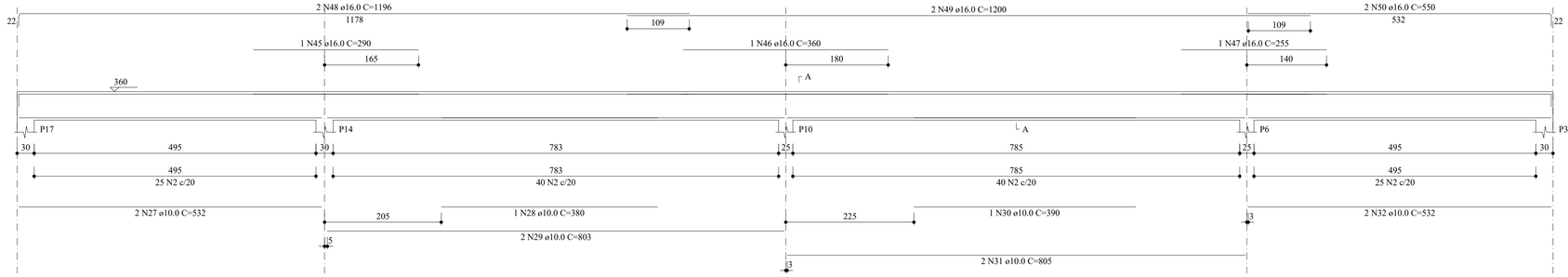
VR6
ESC 1:50



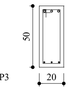
SEÇÃO A-A
ESC 1:25



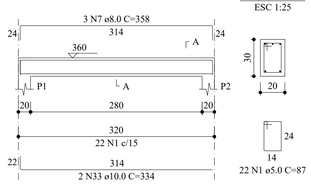
VR7
ESC 1:50



SEÇÃO A-A
ESC 1:25

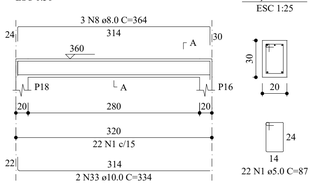


VR8
ESC 1:50



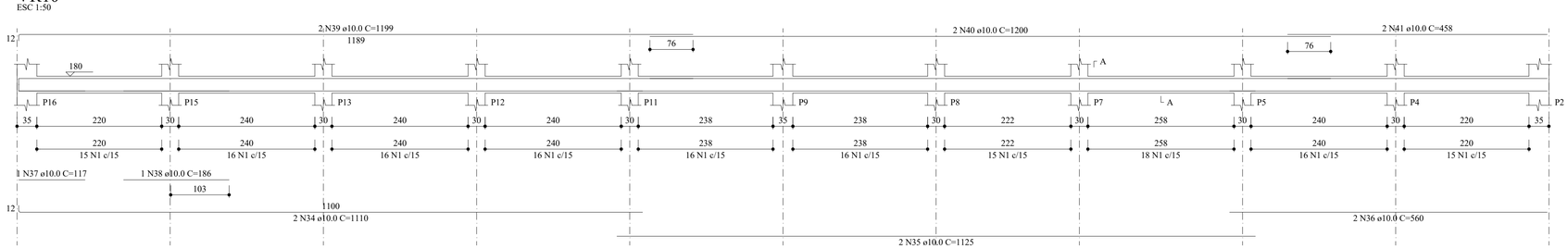
SEÇÃO A-A
ESC 1:25

VR9
ESC 1:50



SEÇÃO A-A
ESC 1:25

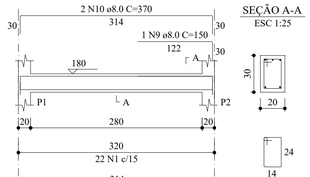
VR10
ESC 1:50



SEÇÃO A-A
ESC 1:25

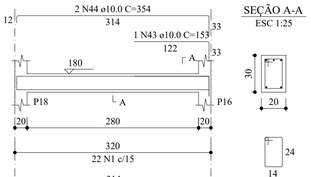


VR11
ESC 1:50



SEÇÃO A-A
ESC 1:25

VR12
ESC 1:50



SEÇÃO A-A
ESC 1:25

RELAÇÃO DO AÇO

VR1 VR2 VR3
VR4 VR5 VR6
VR7 VR8 VR9
VR10 VR11 VR12

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	436	87	37932
	2	5.0	130	127	16510
CA50	3	6.3	20	88	1760
	4	8.0	2	1198	2396
	5	8.0	2	1200	2400
	6	8.0	2	466	932
	7	8.0	3	358	1074
	8	8.0	3	364	1092
	9	8.0	1	150	150
	10	8.0	2	370	740
	11	10.0	4	209	836
	12	10.0	1	164	164
	13	10.0	2	237	474
	14	10.0	4	214	856
	15	10.0	1	170	170
	16	10.0	2	245	490
	17	10.0	1	179	179
	18	10.0	2	244	488
	19	10.0	1	102	102
	20	10.0	2	206	412
	21	10.0	2	249	498
	22	10.0	2	209	418
	23	10.0	1	173	173
	24	10.0	2	236	472
	25	10.0	2	1072	2144
	26	10.0	2	1070	2140
	27	10.0	4	532	2128
	28	10.0	1	380	380
	29	10.0	2	803	1606
	30	10.0	1	390	390
	31	10.0	2	805	1610
	32	10.0	2	532	1064
	33	10.0	4	334	1336
	34	10.0	2	1110	2220
	35	10.0	2	1125	2250
	36	10.0	2	560	1120
	37	10.0	1	117	117
	38	10.0	1	186	186
	39	10.0	2	1199	2398
	40	10.0	2	1200	2400
	41	10.0	2	458	916
	42	10.0	4	324	1296
	43	10.0	1	153	153
	44	10.0	2	354	708
	45	16.0	1	290	290
	46	16.0	1	360	360
	47	16.0	1	255	255
	48	16.0	2	1196	2392
	49	16.0	2	1200	2400
	50	16.0	2	550	1100

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	6.3	17.6	4.3
	8.0	87.8	34.7
	10.0	322.9	199.1
	16.0	68	107.3
CA60	5.0	544.4	83.9

PESO TOTAL (kg)	
CA50	345.4
CA60	83.9

Volume de concreto (C-25) = 6.46 m³
Área de forma = 76.86 m²

CARIMBO:

SERPRA
SERVIÇOS, PROJETOS E ASSESSORIA LTDA.
Fone: (65) 3642-4045 Av. Historiador Rubens de Mendonça, 1856 - Edifício Cuiabá Office Tower, Sl. 802 CEP: 78050-000 - Cuiabá - MT

TIPO DA OBRA	CONSTRUÇÃO TRANSBORDO MUNICIPAL
PROPRIETÁRIO C.N.P.J. / C.P.F.	PREFEITURA MUNICIPAL DE RIBEIRÃO CASCALHEIRA 24.772.113/0001-73
LOCAL INSC. CADASTRAL	ÁREA RURAL - RIBEIRÃO CASCALHEIRA/MT — COORDENADAS GEOGRÁFICAS: LATITUDE: 12°59'12.38"S LONGITUDE: 51°53'0.90"O
AUTOR DO PROJETO CREA	ENGº LUIS FELIPE CARVALHO B. LIMA ENG. CIVIL - 121.523.583-6 — LUIS FELIPE CARVALHO BERNARDES LIMA:02567069135 — Assinado digitalmente por LUIS FELIPE CARVALHO BERNARDES LIMA:02567069135 DN: br=ICP-Brasil, ou=Secretaria da Receita Federal do Brasil - RFB, ou=AR SERPRA, ou=PESSOA FISICA, cn=LUIS FELIPE CARVALHO BERNARDES LIMA:02567069135 Data: 2026.04.01 08:06:34 -04'00'
RESP. P/ EXECUÇÃO CREA	
ESCALA: INDICADA DATA: AGOSTO/2026 PARTICIPAÇÃO	ASSUNTO: ESTRUTURAL CONCRETO (RAMPA) DETALHAMENTO DAS VIGAS RESPALDO — FOLHA Nº 05/06

ESTATÍSTICA				
ÁREAS(m²)	% OCUPAÇÃO		COEF. APROVEIT.	Nº DE PISOS
	TÉRREO	DEMAIS PAV.		

0 1 2 3 4 5 cm

Formato: A1 (841x594mm)