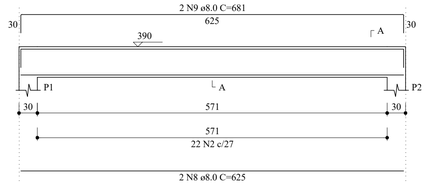
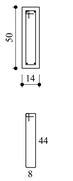
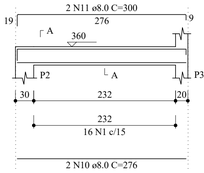
VR1
ESC 1:50



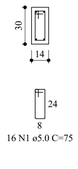
SEÇÃO A-A
ESC 1:25



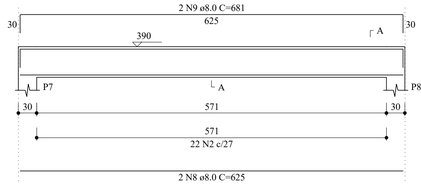
VR2
ESC 1:50



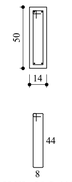
SEÇÃO A-A
ESC 1:25



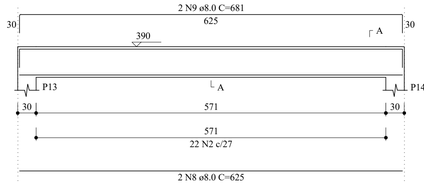
VR3
ESC 1:50



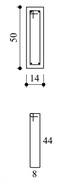
SEÇÃO A-A
ESC 1:25



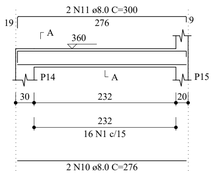
VR4
ESC 1:50



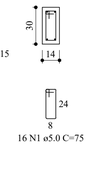
SEÇÃO A-A
ESC 1:25



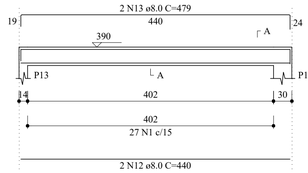
VR5
ESC 1:50



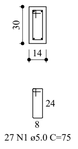
SEÇÃO A-A
ESC 1:25



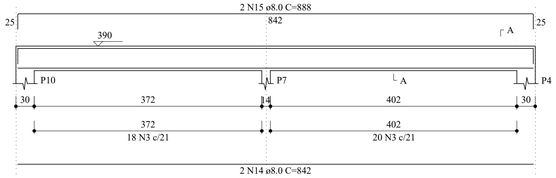
VR6
ESC 1:50



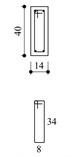
SEÇÃO A-A
ESC 1:25



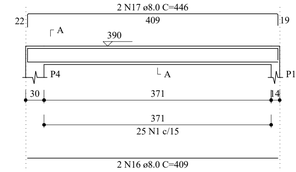
VR7
ESC 1:50



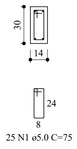
SEÇÃO A-A
ESC 1:25



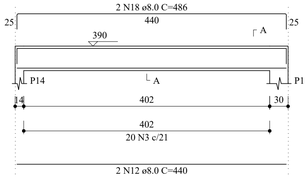
VR8
ESC 1:50



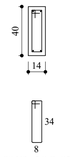
SEÇÃO A-A
ESC 1:25



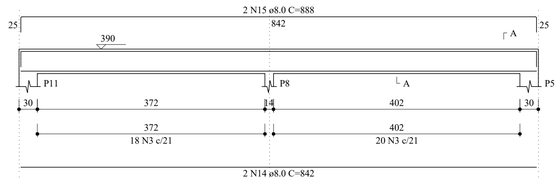
VR9
ESC 1:50



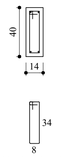
SEÇÃO A-A
ESC 1:25



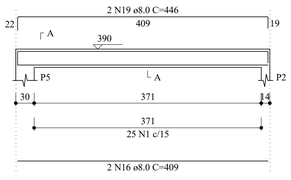
VR10
ESC 1:50



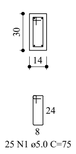
SEÇÃO A-A
ESC 1:25



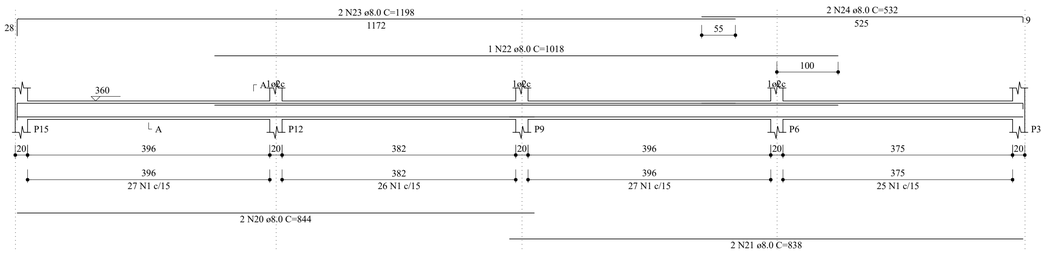
VR11
ESC 1:50



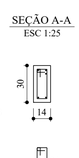
SEÇÃO A-A
ESC 1:25



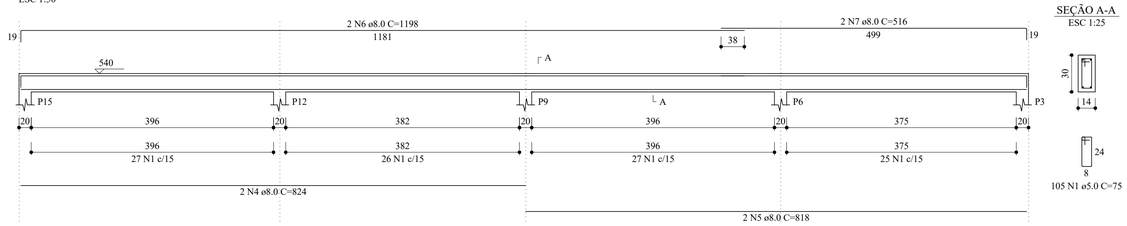
VR12
ESC 1:50



SEÇÃO A-A
ESC 1:25



VP1
ESC 1:50



SEÇÃO A-A
ESC 1:25

RELAÇÃO DO AÇO

VP1-L3	VR1-L2	VR2-L2
VR3-L2	VR4-L2	VR5-L2
VR6-L2	VR7-L2	VR8-L2
VR9-L2	VR10-L2	VR11-L2
VR12-L2		

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	319	75	23925
	2	5.0	66	115	7590
	3	5.0	96	95	9120
CA50	4	8.0	2	824	1648
	5	8.0	2	818	1636
	6	8.0	2	1198	2396
	7	8.0	2	516	1032
	8	8.0	6	625	3750
	9	8.0	6	681	4086
	10	8.0	4	276	1104
	11	8.0	4	300	1200
	12	8.0	4	440	1760
	13	8.0	2	479	958
	14	8.0	4	842	3368
	15	8.0	4	888	3552
	16	8.0	4	409	1636
	17	8.0	2	446	892
	18	8.0	2	486	972
	19	8.0	2	446	892
	20	8.0	2	844	1688
	21	8.0	2	838	1676
	22	8.0	1	1018	1018
	23	8.0	2	1198	2396
	24	8.0	2	532	1064

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	8.0	387.2	152.8
CA60	5.0	406.4	62.6

PESO TOTAL (kg)	
CA50	152.8
CA60	62.6

Volume de concreto (C-25) = 4.27 m³
Área de forma = 72.64 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 DE SALAS - E.M. DONA ANTONIETA M. DE CAMARGO
PROPRIETÁRIO C.N.P.J	PREFEITURA MUNICIPAL DE RIBEIRÃO CASCALHEIRA - MT 24.772.113/0001-73
LOCAL INSCR. CADASTRAL	RUA MANGABEIRA - RIBEIRÃO CASCALHEIRA/MT — COORDENADAS GEOGRÁFICAS: LATITUDE: 12°56'58.52"S LONGITUDE: 51°49'51.77"O
AUTOR DO PROJETO CREA	ENGº LUIS FELIPE CARVALHO B. LIMA ENG. CIVIL - 121.523.583-6 LUIS FELIPE CARVALHO BERNARDES LIMA:02567069135 — Assinado de forma digital por LUIS FELIPE CARVALHO BERNARDES LIMA:02567069135 Dados: 2026.10.21 18:32:45 -03'00'
RESP. P/ EXECUÇÃO CREA	
ESCALA: INDICADAS DATA: AGOSTO/2026 PARTICIPAÇÃO	ASSUNTO: ESTRUTURAL DE CONCRETO DETALHAMENTO DAS VIGAS RESPALDO DETALHAMENTO DAS VIGAS PLATIBANDA
FOLHA Nº	04 /04

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

0 1 2 3 4 5 cm

Formato: A1 (841x594mm)