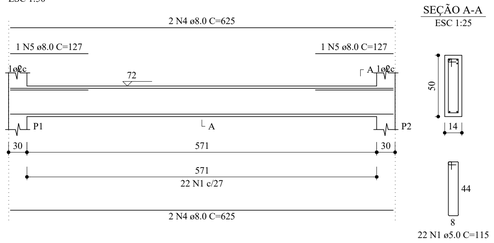
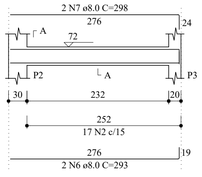
VB1
ESC 1:50



SEÇÃO A-A
ESC 1:25

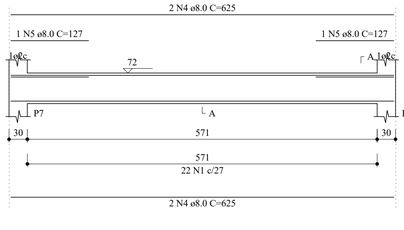
VB2
ESC 1:50



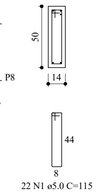
SEÇÃO A-A
ESC 1:25



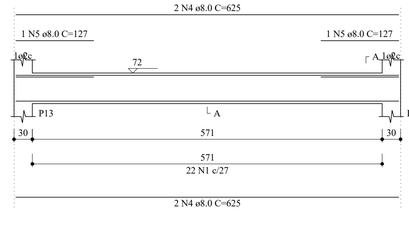
VB3
ESC 1:50



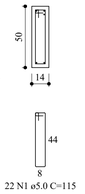
SEÇÃO A-A
ESC 1:25



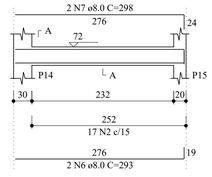
VB4
ESC 1:50



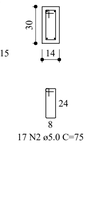
SEÇÃO A-A
ESC 1:25



VB5
ESC 1:50



SEÇÃO A-A
ESC 1:25



RELAÇÃO DO AÇO

VB1	VB2	VB3
VB4	VB5	VB6
VB7	VB8	VB9
VB10	VB11	VB12

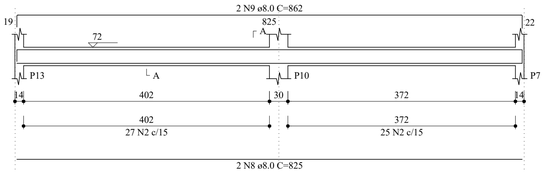
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	66	115	7590
	2	5.0	241	75	18075
	3	5.0	78	95	7410
CA50	4	8.0	12	625	7500
	5	8.0	6	127	762
	6	8.0	4	293	1172
	7	8.0	4	298	1192
	8	8.0	2	825	1650
	9	8.0	2	862	1724
	10	8.0	2	440	880
	11	8.0	2	463	926
	12	8.0	4	409	1636
	13	8.0	4	426	1704
	14	8.0	2	440	880
	15	8.0	2	463	926
	16	8.0	4	842	3368
	17	8.0	2	824	1648
	18	8.0	2	818	1636
	19	8.0	2	1198	2396
	20	8.0	2	496	992

RESUMO DO AÇO

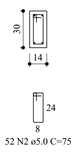
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	8.0	309.9	122.3
CA60	5.0	330.8	51
PESO TOTAL (kg)			
CA50	122.3		
CA60	51		

Volume de concreto (C-25) = 3.56 m³
Área de forma = 60.45 m²

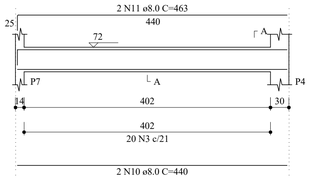
VB6
ESC 1:50



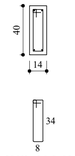
SEÇÃO A-A
ESC 1:25



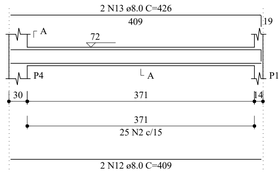
VB7
ESC 1:50



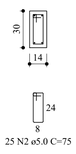
SEÇÃO A-A
ESC 1:25



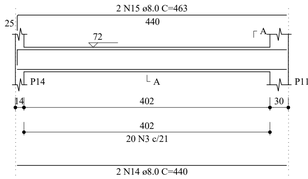
VB8
ESC 1:50



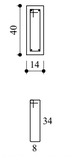
SEÇÃO A-A
ESC 1:25



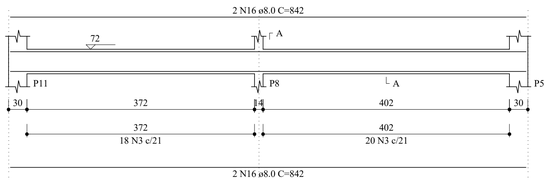
VB9
ESC 1:50



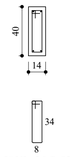
SEÇÃO A-A
ESC 1:25



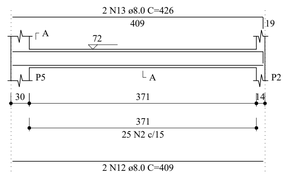
VB10
ESC 1:50



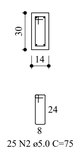
SEÇÃO A-A
ESC 1:25



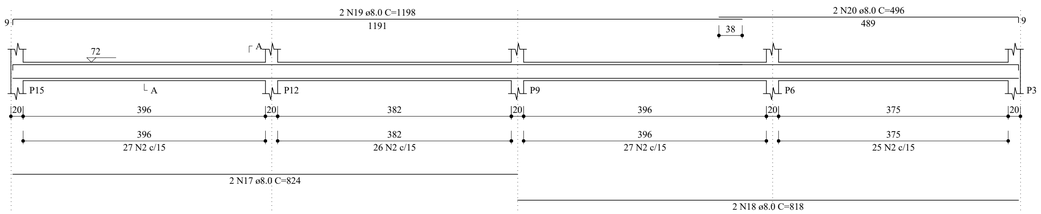
VB11
ESC 1:50



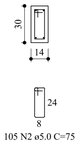
SEÇÃO A-A
ESC 1:25



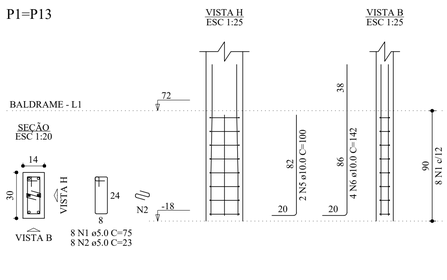
VB12
ESC 1:50



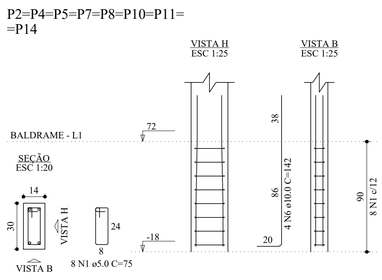
SEÇÃO A-A
ESC 1:25



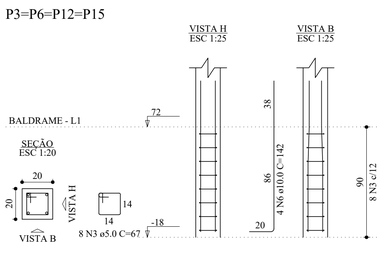
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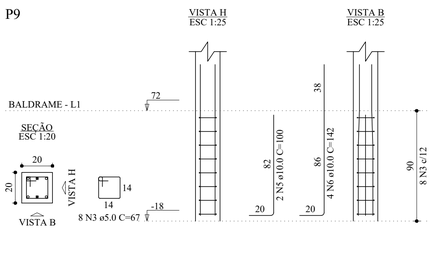
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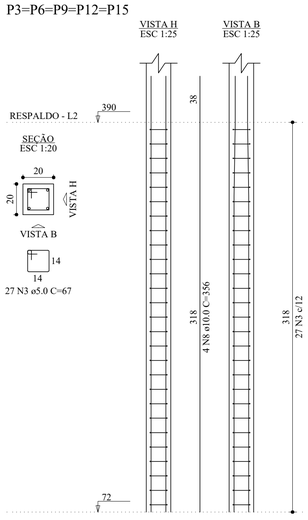
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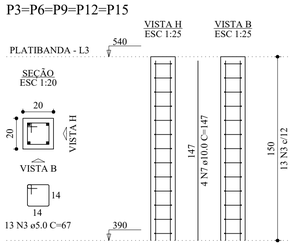
P9



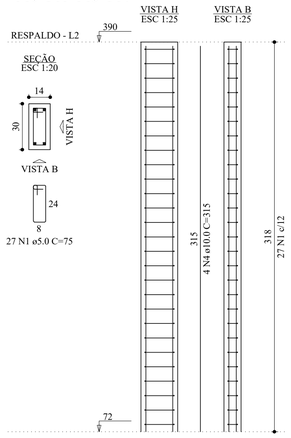
P3=P6=P9=P12=P15



P3=P6=P9=P12=P15



P1=P2=P4=P5=P7=P8= =P10=P11=P13=P14



RELAÇÃO DO AÇO

10xP1-L2	2xP1-L1	8xP2-L1
5xP3-L3	5xP3-L2	4xP3-L1
P9-L1		

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	350	75	26250
	2	5.0	16	23	368
CA50	3	5.0	240	67	16080
	4	10.0	40	315	12600
	5	10.0	6	100	600
	6	10.0	60	142	8520
	7	10.0	20	147	2940
	8	10.0	20	356	7120

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	10.0	317.8	195.9
CA60	5.0	427	65.8
PESO TOTAL (kg)			
CA50	195.9		
CA60	65.8		

Volume de concreto (C-25) = 2.58 m³
Área de forma = 53.10 m²

CARIMBO :

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

TIPO DA OBRA	CONSTRUÇÃO DE SALAS - E.M. DONA ANTONIETA M. DE CAMARGO
PROPRIETÁRIO	PREFEITURA MUNICIPAL DE RIBEIRÃO CASCALHEIRA - MT
C.N.P.J	24.772.113/0001-73
LOCAL	RUA MANGABEIRA - RIBEIRÃO CASCALHEIRA/MT
INSCR. CADASTRAL	COORDENADAS GEOGRÁFICAS: LATITUDE: 12°56'58.52"S LONGITUDE: 51°49'51.77"O
AUTOR DO PROJETO	ENG° LUIS FELIPE CARVALHO B. LIMA
CREA	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 18:53:24 -03'00'
RESP. P/ EXECUÇÃO	
CREA	
ESCALA	INDICADAS
ASSUNTO:	ESTRUTURAL DE CONCRETO
DATA	AGOSTO/2026
PARTICIPAÇÃO	
	DETALHAMENTO DAS VIGAS BALDRAME DETALHAMENTO DOS PILARES
FOLHA Nº	03 /04

ESTATÍSTICA

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

0 1 2 3 4 5 cm

Formato: A1 (841x594mm)