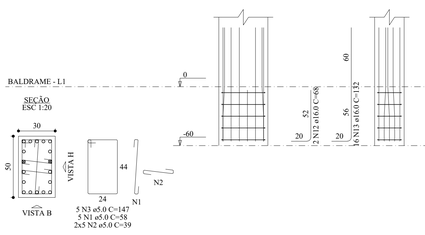
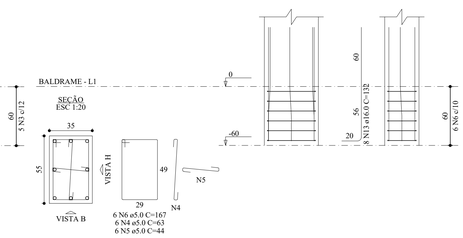
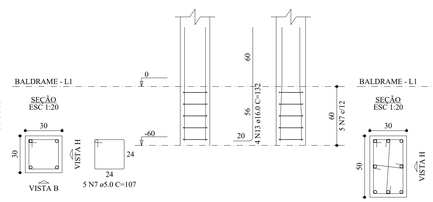
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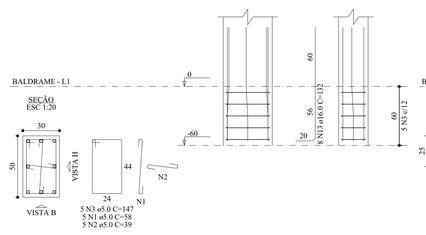
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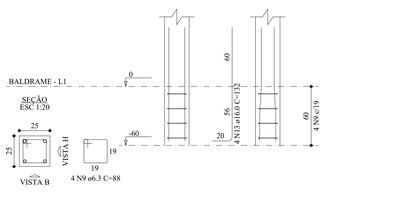
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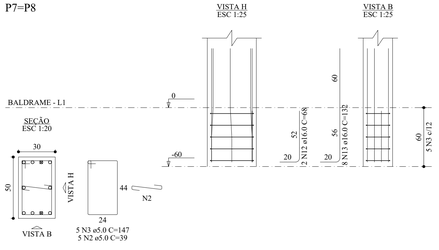
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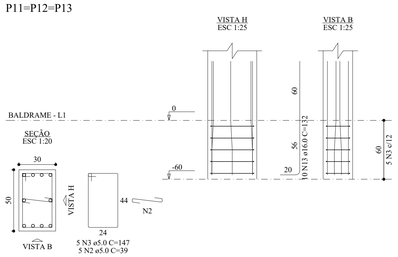
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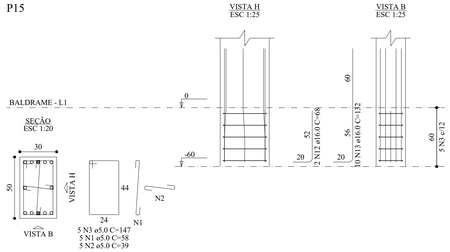
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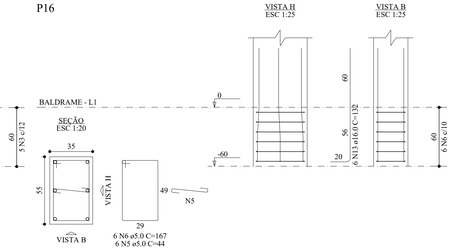
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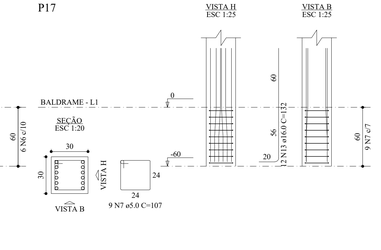
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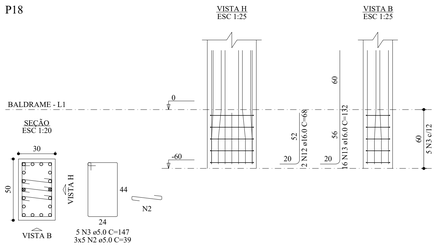
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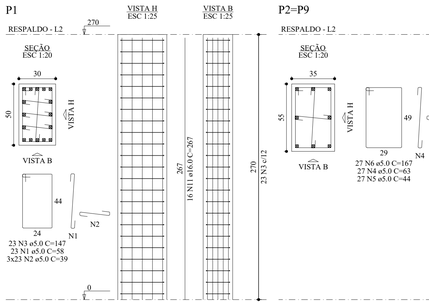
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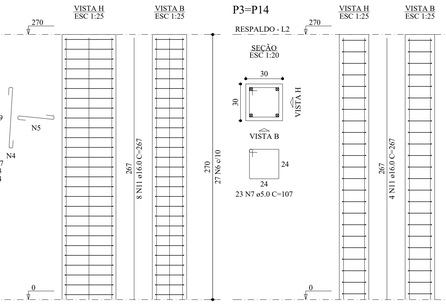
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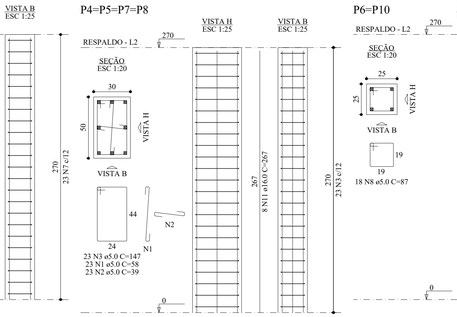
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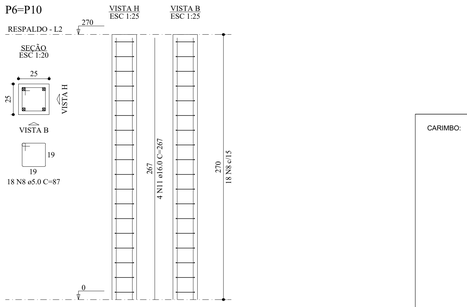


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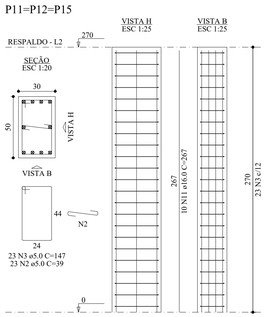


P4=P5=P7=P8

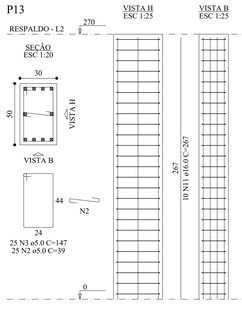
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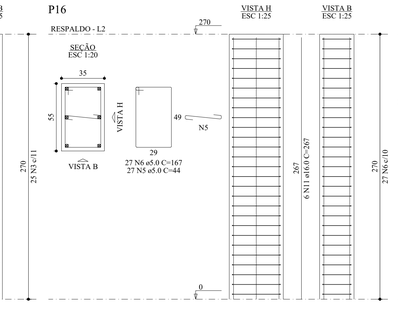
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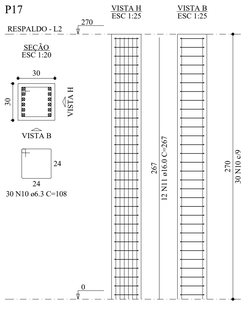
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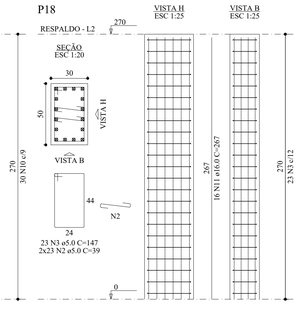
P16



P17



P18



RELAÇÃO DO AÇO

P1-L2	P1-L1	2xP2-L2
2xP2-L1	2xP3-L2	2xP3-L1
4xP4-L2	2xP4-L1	2xP6-L2
2xP6-L1	2xP7-L1	3xP11-L2
3xP11-L1	P13-L2	P15-L1
P16-L2	P16-L1	P17-L2
P17-L1	P18-L2	P18-L1

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	135	58	7830
	2	5.0	366	39	14274
	3	5.0	282	147	41454
	4	5.0	66	63	4158
	5	5.0	99	44	4356
	6	5.0	99	167	16533
	7	5.0	65	107	6955
	8	5.0	36	87	3132
CA50	9	6.3	8	88	704
	10	6.3	30	108	3240
	11	16.0	154	267	41118
	12	16.0	10	68	680
	13	16.0	154	132	20328

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	6.3	39.4	9.7
	16.0	621.3	980.6
CA60	5.0	986.9	152.1
PESO TOTAL (kg)			
CA50	990.2		
CA60	152.1		

Volume de concreto (C-25) = 6.68 m³
Área de forma = 72.90 m²

CARIMBO:

SERPRA
SERVIÇOS, PROJETOS E ASSESSORIA LTDA.
Fone: (66) 3642-4545 Av. Historiador Rubens de Mendonça, 1856 - Edifício Cuiabá Office Tower, SI. 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	ENG° 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: pf, cn=LUIS FELIPE CARVALHO BERNARDES LIMA:02567069135, o=ICP-Brasil, ou=Secretaria da Receita Federal do Brasil - RFB, c=BR Data: 2026.03.31 09:05:24 -04'00'
RESP. P/ EXECUÇÃO CREA	
ESCALA: INDICADA DATA: AGOSTO/2026 PARTICIPAÇÃO	ASSUNTO: ESTRUTURAL CONCRETO (RAMPA DE DESPEJO) DETALHAMENTO DOS PILARES FOLHA Nº 04/06

ESTATÍSTICA

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

0 1 2 3 4 5 cm

Formato: (1050x594mm)