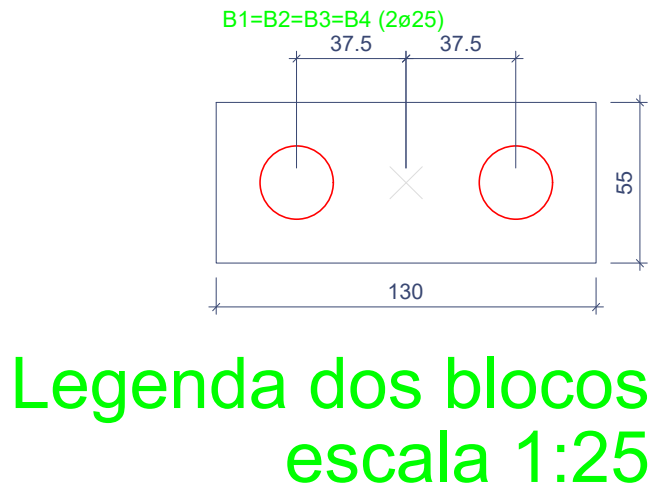
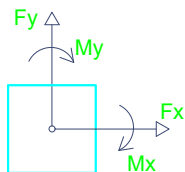
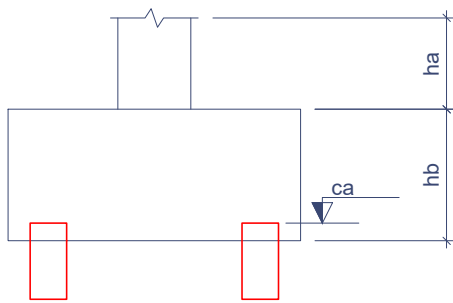
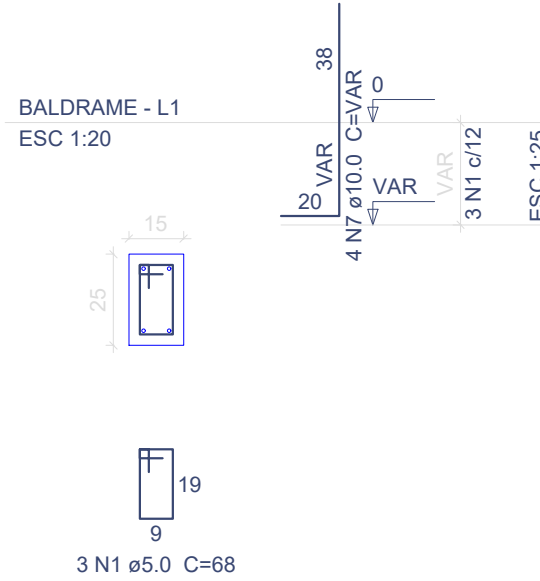


Nome	Seção (cm)	X (cm)	Y (cm)	Pilar				Fundação				Bloco			
				Carga (tf)	Mx (kgf.m)	My (kgf.m)	Fx (tf)	Lado B (cm)	Lado H (cm)	h0 / ha (cm)	h1 / hb (cm)	ne	de (cm)	ca (cm)	Base tub. (cm)
P1	15x25	471.00	299.24	2.4	100	100	0.3	130	55	0	50	2	25	-35	
P2	15x25	686.00	299.24	2.4	100	100	0.3	130	55	0	50	2	25	-35	
P3	15x25	471.00	94.24	2.4	100	100	0.3	130	55	0	50	2	25	-35	
P4	15x25	686.00	94.24	2.4	100	100	0.3	130	55	0	50	2	25	-35	

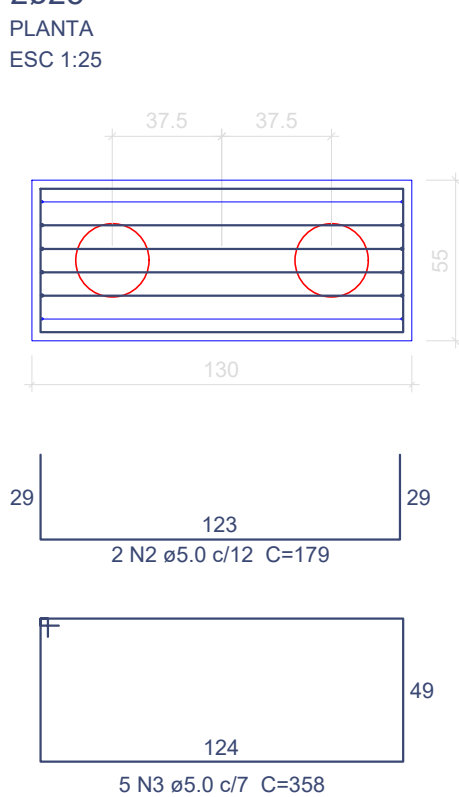
Estacas	
de (cm)	Quantidade
25	8



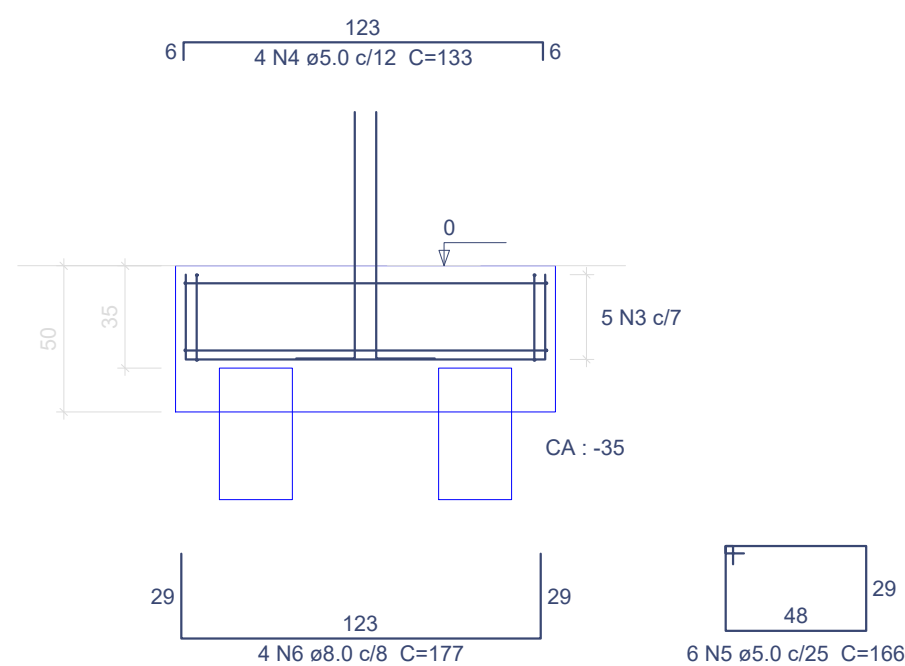
P1=P2=P3=P4



B1=B2=B3=B4

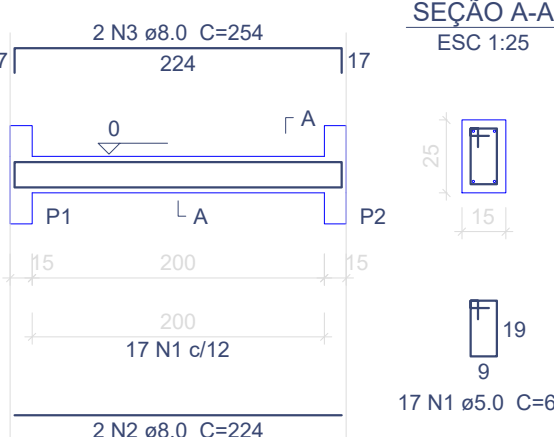


CORTE
ESC 1:25



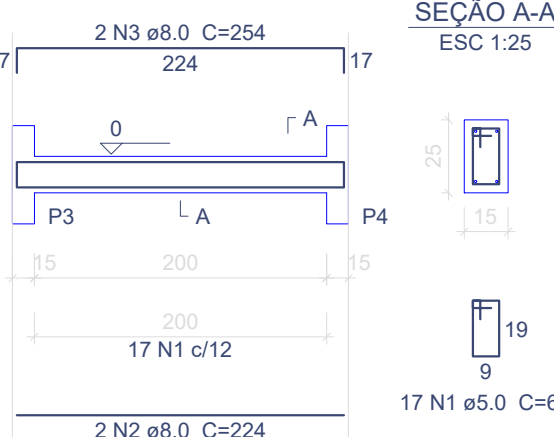
VB1

ESC 1:50



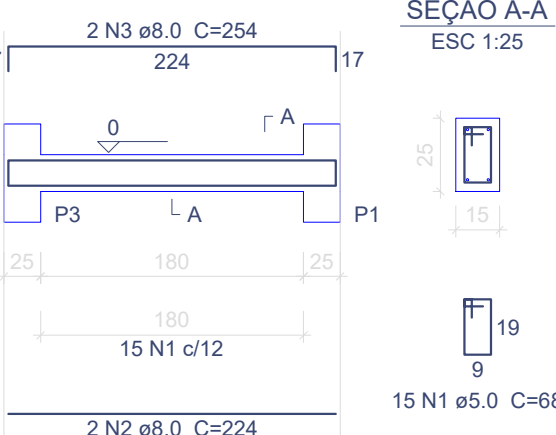
VB2

ESC 1:50



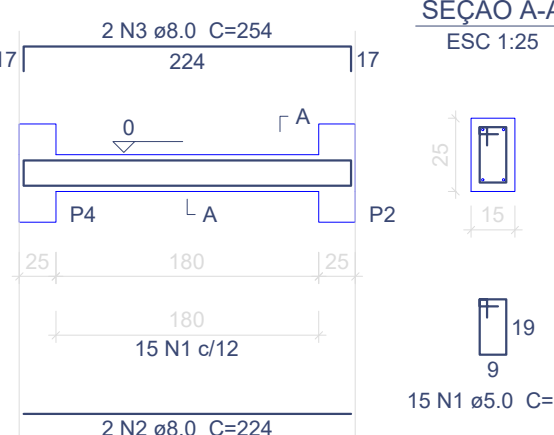
VB3

ESC 1:50



VB4

ESC 1:50



Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
VB1					
VB4					
CA60	1	5.0	64	68	4352
CA50	2	8.0	8	224	1792
CA50	3	8.0	8	254	2032

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	38.3	16.6
CA60	5.0	43.6	7.4
PESO TOTAL (kg)			
CA50	16.6		
CA60	7.4		

Volume de concreto (C-25) = 0.35 m³
Área de forma = 5.98 m²

Relação do aço

4xB4

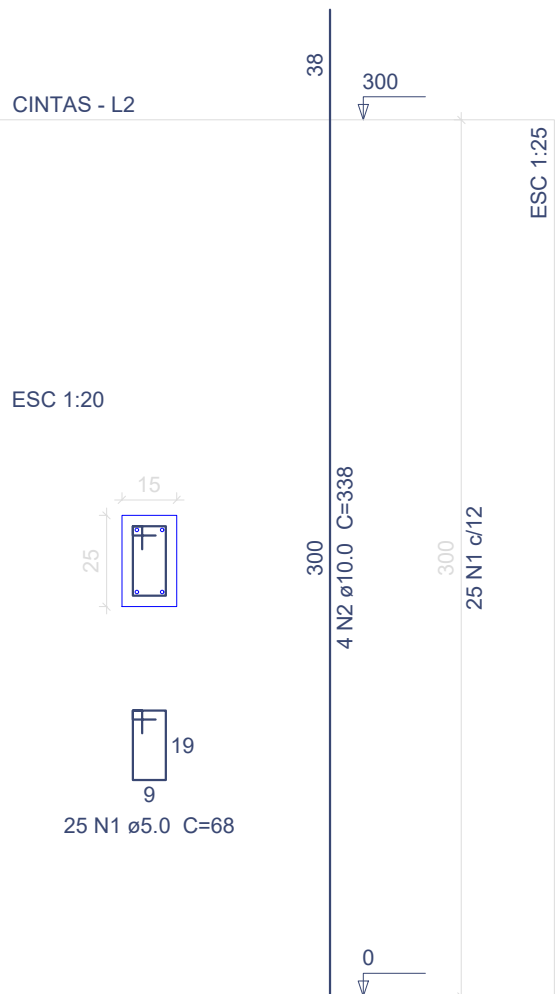
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	12	68	816
	2	5.0	8	179	1432
	3	5.0	20	358	7160
	4	5.0	16	133	2128
	5	5.0	24	166	3984
CA50	6	8.0	16	177	2832
	7	10.0	16	VAR	VAR

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	28.4	12.3
CA60	5.0	14.6	9.9
PESO TOTAL (kg)			
CA50	22.2		
CA60	26.3		

Volume de concreto (C-25) = 1.42 m³
Área de forma = 8.52 m²

P1=P2=P3=P4



Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
4xP1					
CA60	1	5.0	100	68	6800
CA50	2	10.0	16	338	5408

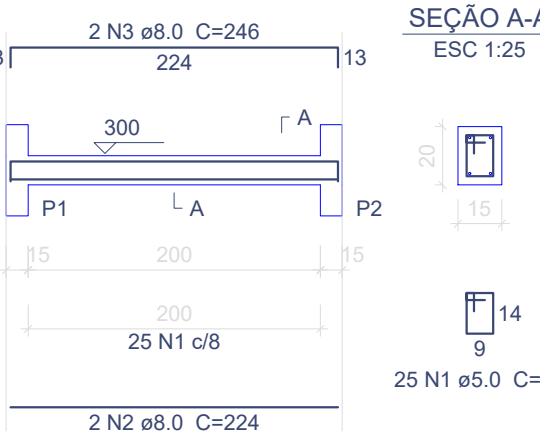
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	54.1	36.7
CA60	5.0	68	11.5
PESO TOTAL (kg)			
CA50	36.7		
CA60	11.5		

Volume de concreto (C-25) = 0.45 m³
Área de forma = 9.6 m²

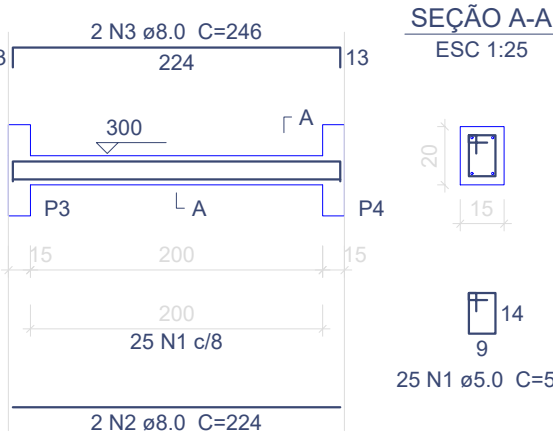
VC1

ESC 1:50



VC2

ESC 1:50



Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
VC1					
VC4					
CA60	1	5.0	96	58	5568
CA50	2	8.0	8	224	1792
	3	8.0	8	246	1968

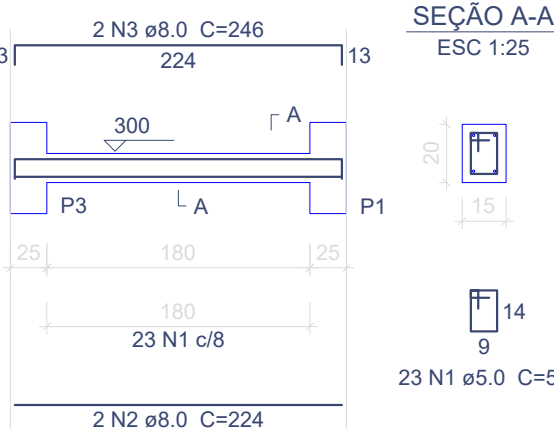
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	37.6	16.3
CA60	5.0	55.7	9.4
PESO TOTAL (kg)			
CA50	16.3		
CA60	9.4		

Volume de concreto (C-25) = 0.28 m³
Área de forma = 5.06 m²

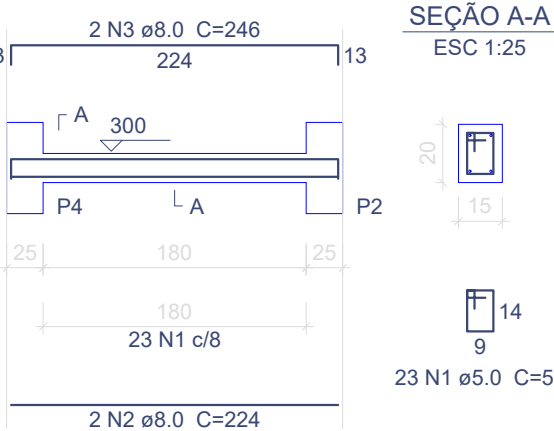
VC3

ESC 1:50



VC4

ESC 1:50



OBRA:

REFORMA - UBS
CERRADO DA ROSEIRA | ÁREA RURAL
PROJETO ESTRUTURAL - ABRIGO DE RESÍDUOS

Prefeitura Municipal de Jaguariaíva

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Jaguariaíva -PR - CEP: 84.200-000 - CNPJ 76.910.900/0001-38

Secretaria Municipal de Infraestrutura e Habitação

2013-2016
JOSÉ SLOBODA
PREFETO MUNICIPAL

TÍTULO:
LOCAÇÃO - BLOCOS - PILARES - VIGAS BALDRAMES

RESPONSÁVEL TÉCNICO: Ana Claudia Krul
Eng. Ana Claudia Krul
CREA 69.540/D-PR

DESENHO: Ana Claudia Krul
DATA: AGOSTO.2016

PRANCHAS: 01/02
ESCALA: INDICADA