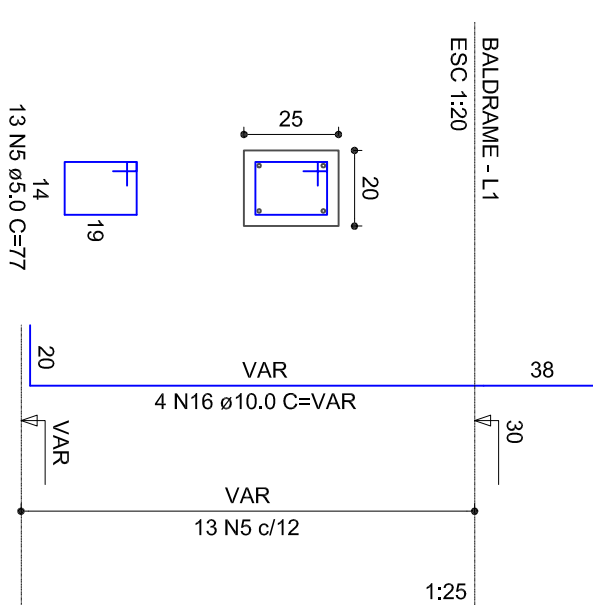
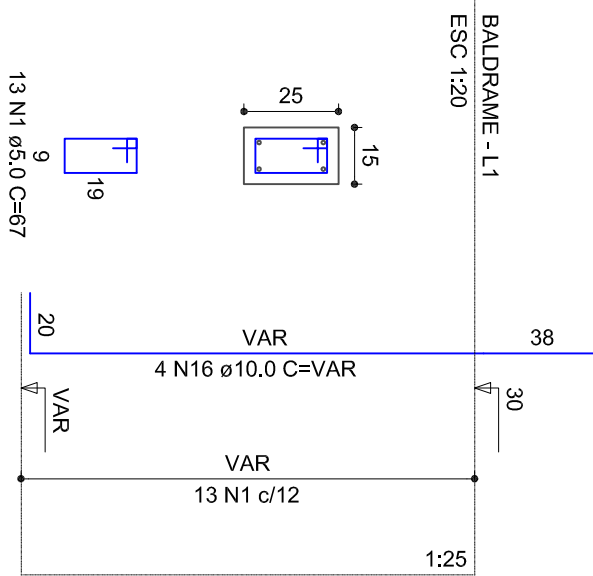


P14



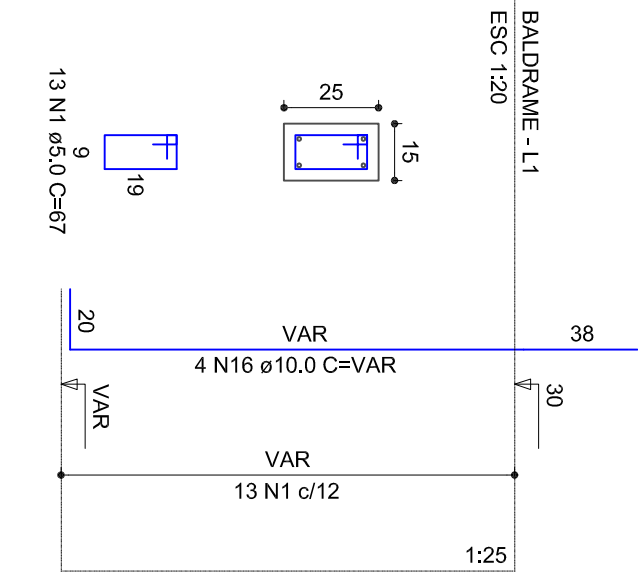
P1=P3=P8=P9=P13=P15=P17=P19=P20=P21=P22  
=P24=P25=P28=P29=P32

P30

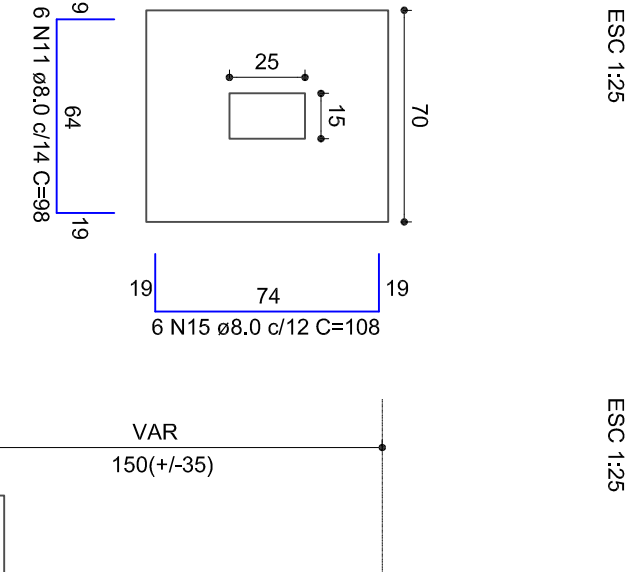


S1=S3=S8=S9=S13=S14=S15=S17=S19=S20=S21  
=S22=S24=S25=S28=S29=S30=S32

P7=P16=P27



S7=S16=S27



RELACÃO DO AÇO

16P1	P2	S24
P5	3xP7	P10
2xP11	P12	P14
2xP13	P15	P17
18xS13	2xS18	2xS23
3xS27		

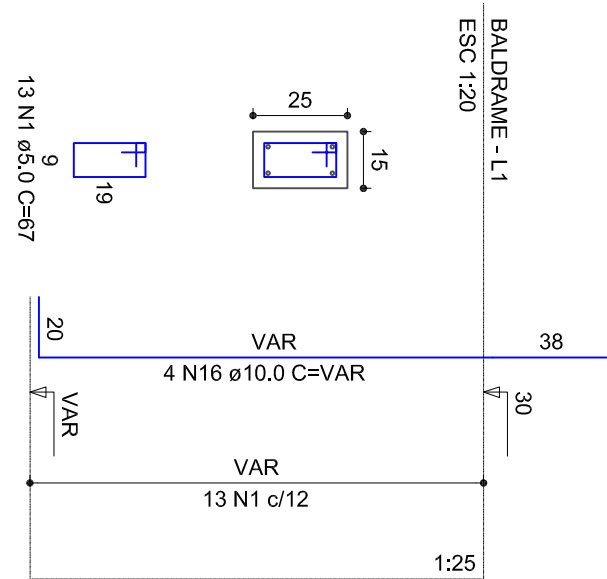
ACO	N	DIAM	Q	UNIT	C.TOTAL
60	1	5.0	377	67	25259
	2	5.0	10	97	970
	3	5.0	10	87	870
	4	5.0	10	87	870
	5	5.0	13	77	1001
	6	8.0	20	108	2160
	7	8.0	16	118	1888
	8	8.0	16	118	1888
	9	8.0	12	133	1596
	10	8.0	138	88	1584
	11	8.0	120	88	1584
	12	8.0	30	103	3090
	13	8.0	44	113	4972
	14	8.0	18	108	1944
	15	8.0	18	108	1944
	16	10.0	122	VAR	VAR
	17	12.5	14	VAR	VAR

RESUMO DO AÇO

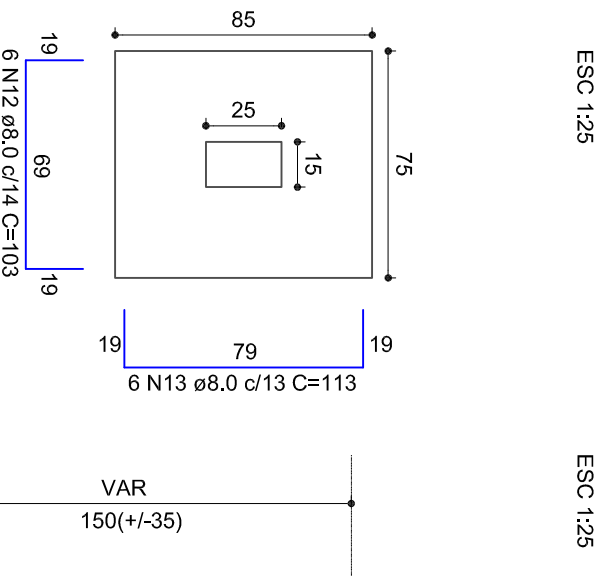
ACO	DIAM	C.TOTAL	PESO+10%
CA80	8.0	78.2	78.2
CA80	10.0	251.0	170.2
CA80	12.5	30.0	31.8
PESO TOTAL	5.0	265.3	48.3
CA80	378.2		
CA80	48.3		

VAL. de concreto total (C-25) = 65.34 m³  
Área de forma total = 62.28 m²

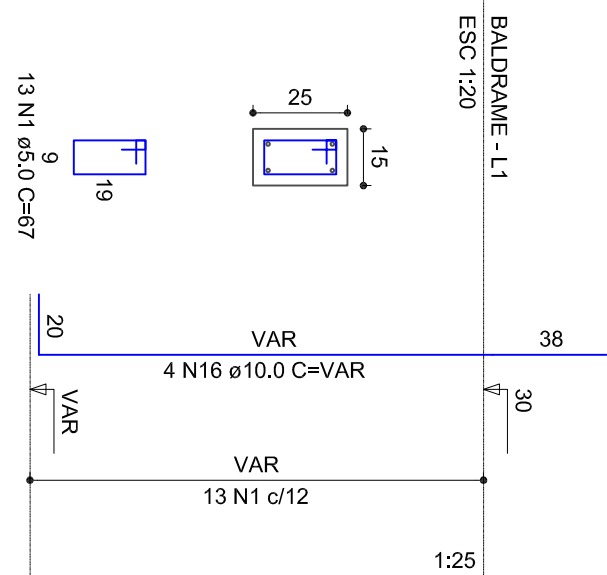
P4=P6=P18=P26=P31



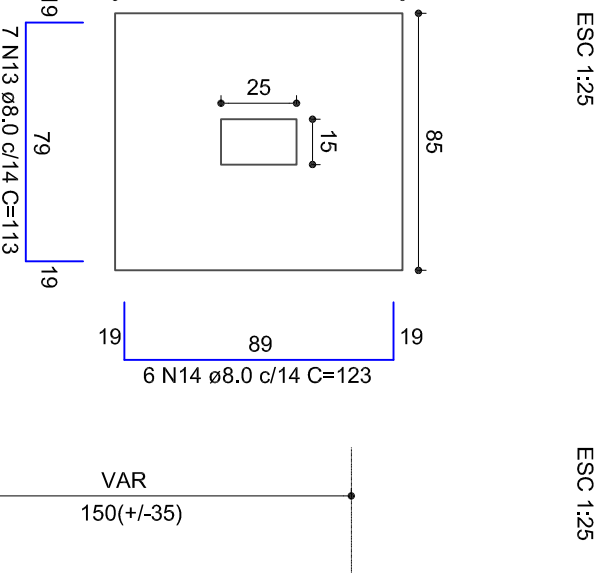
S4=S6=S18=S26=S31



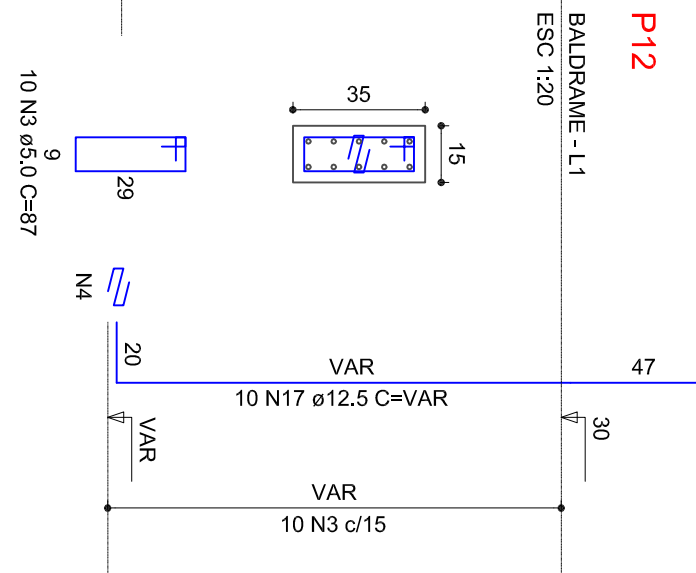
P1=P23



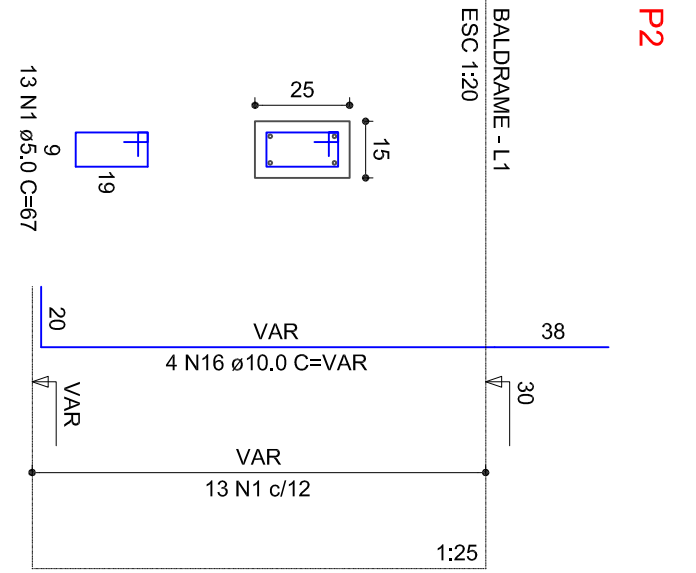
S11=S23



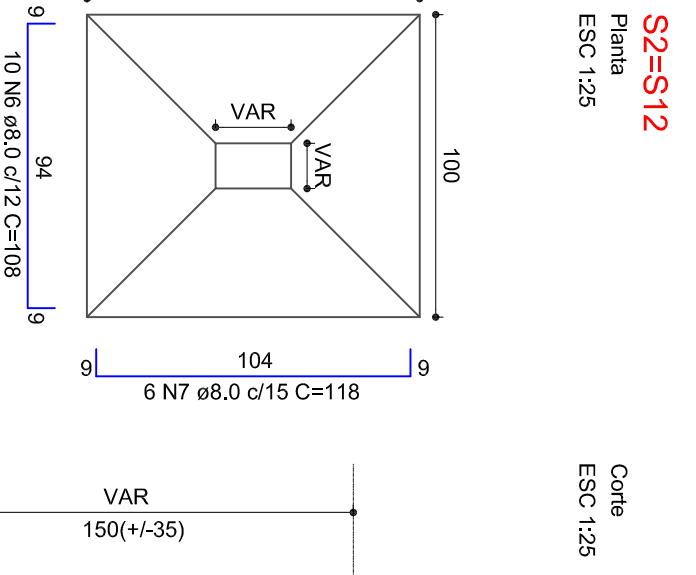
P12



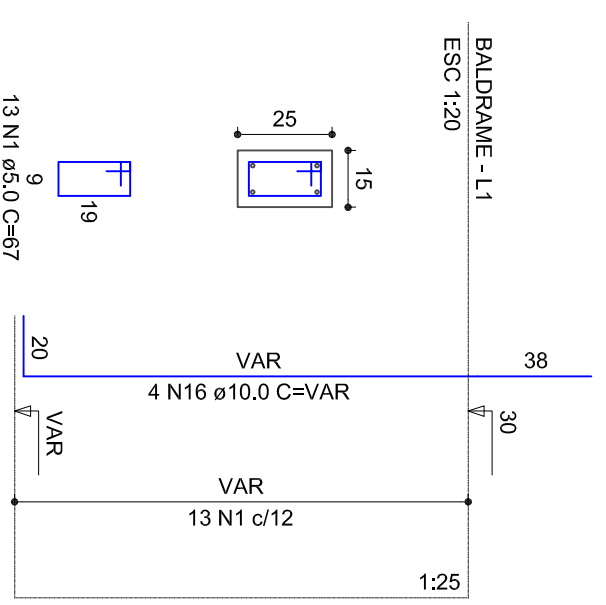
P2



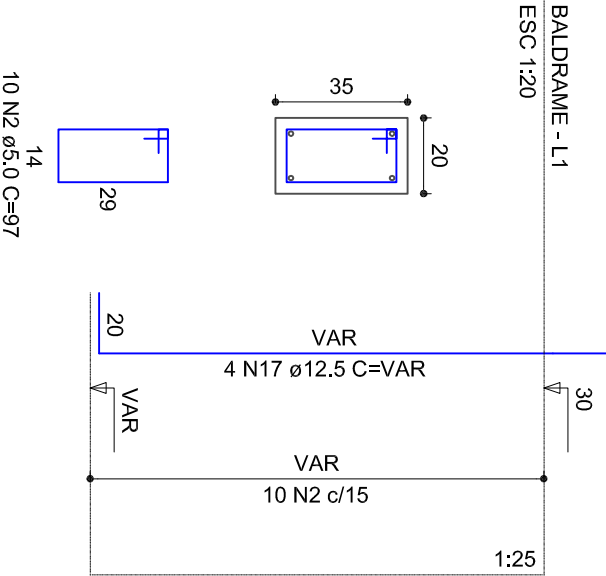
S2=S12



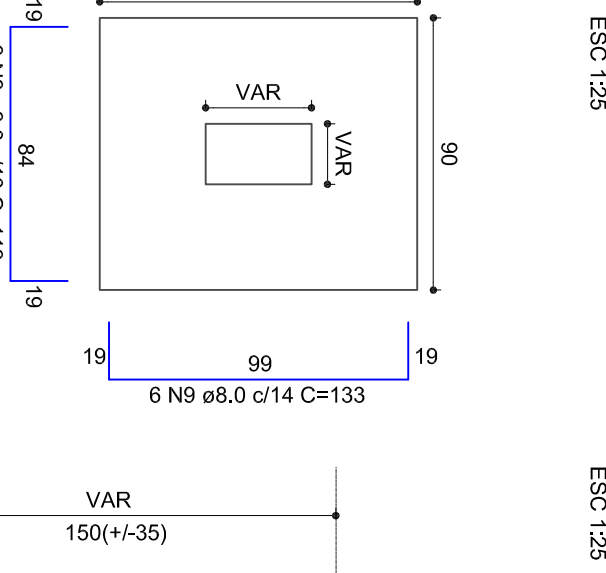
P10



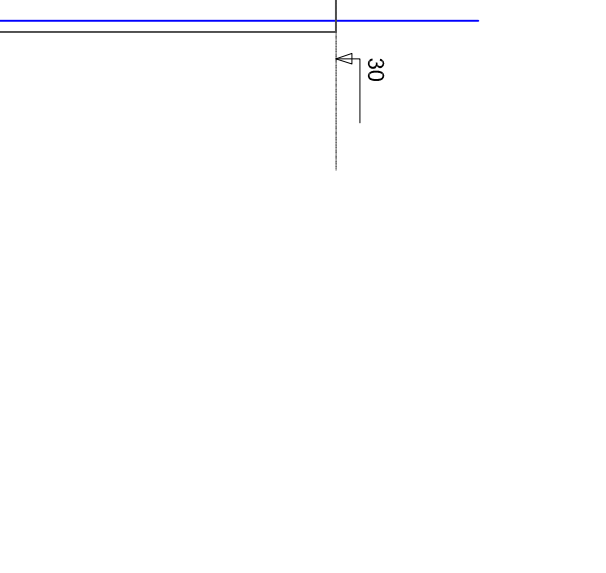
S5=S10



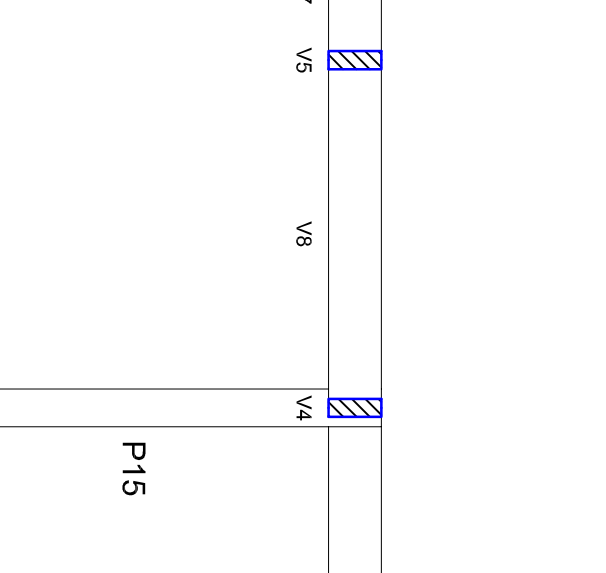
S5=S10



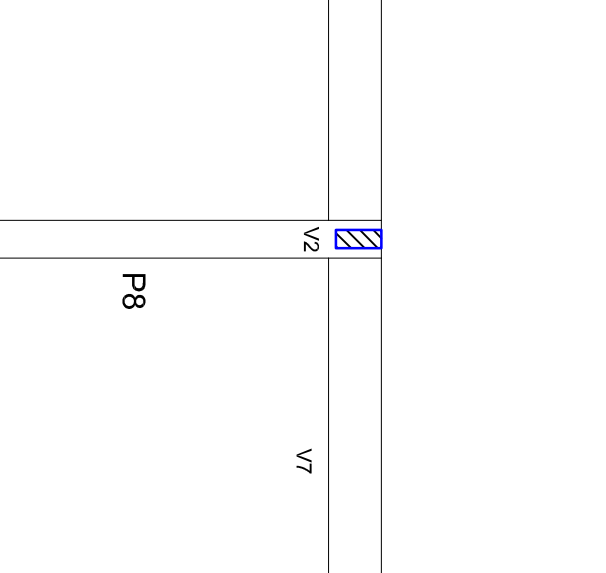
S5=S10



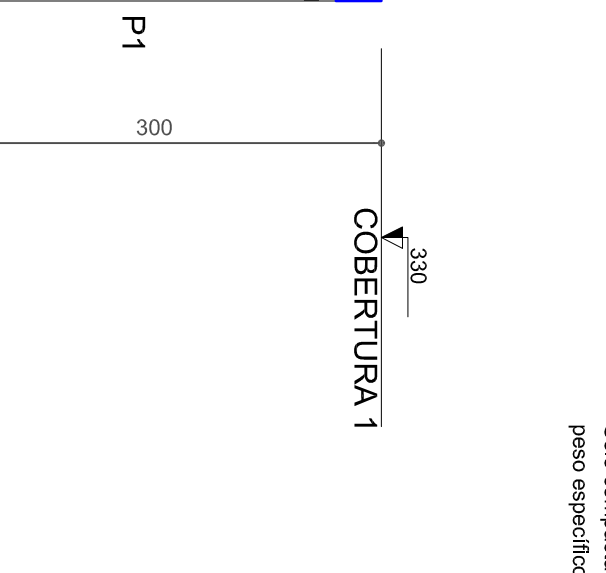
S5=S10



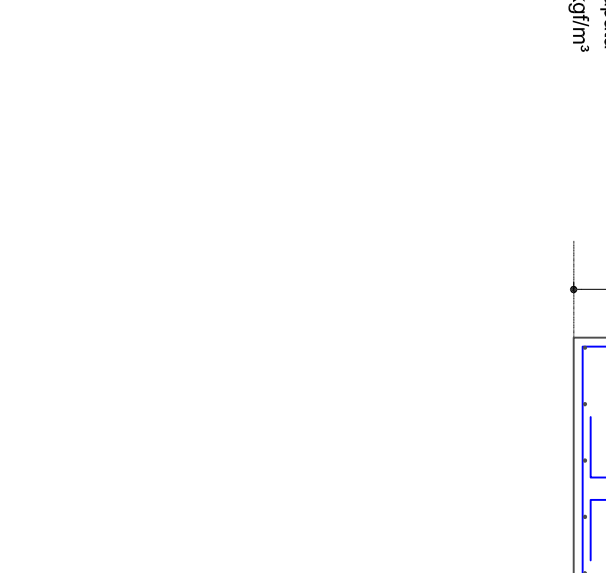
S5=S10



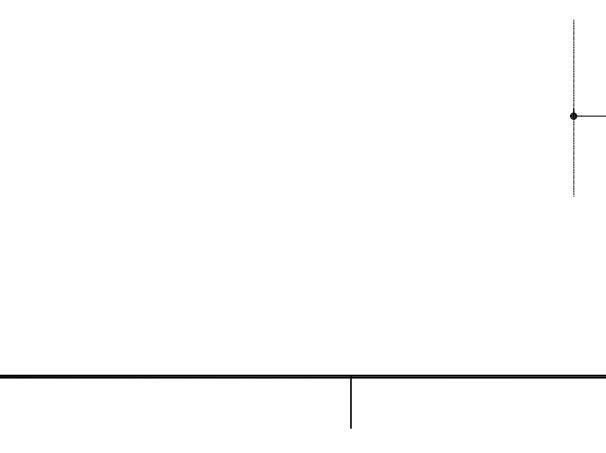
S5=S10



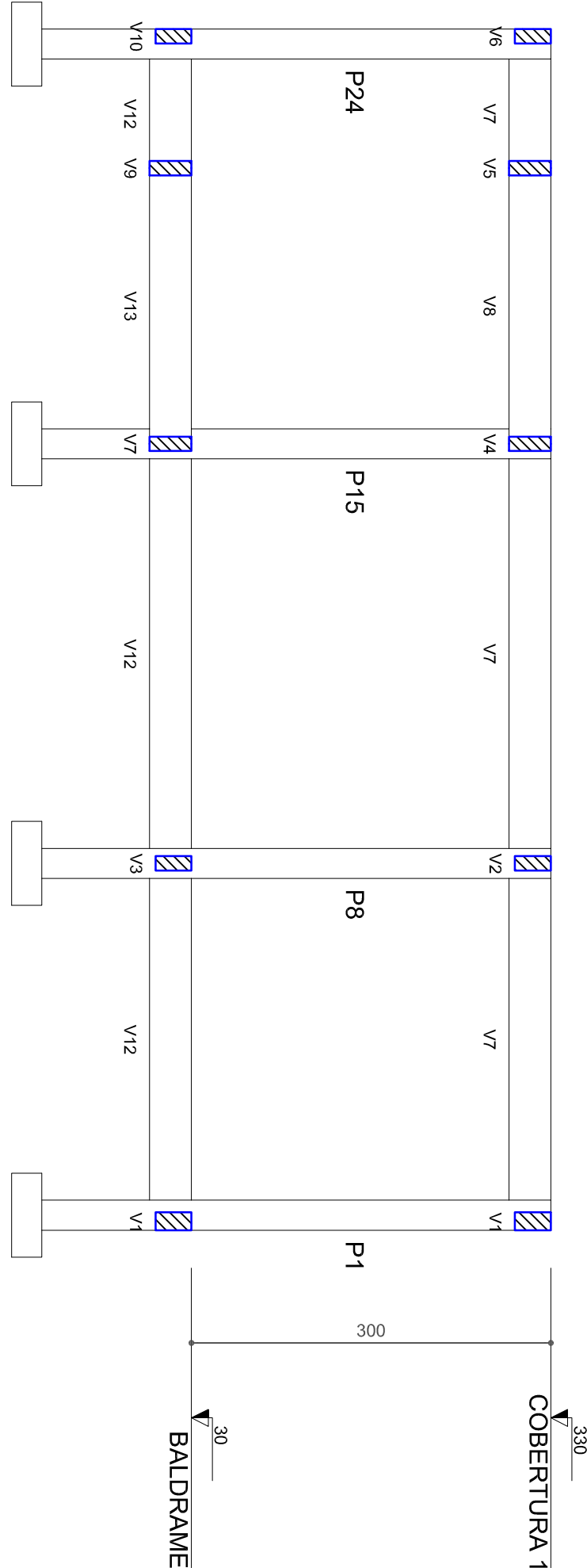
S5=S10



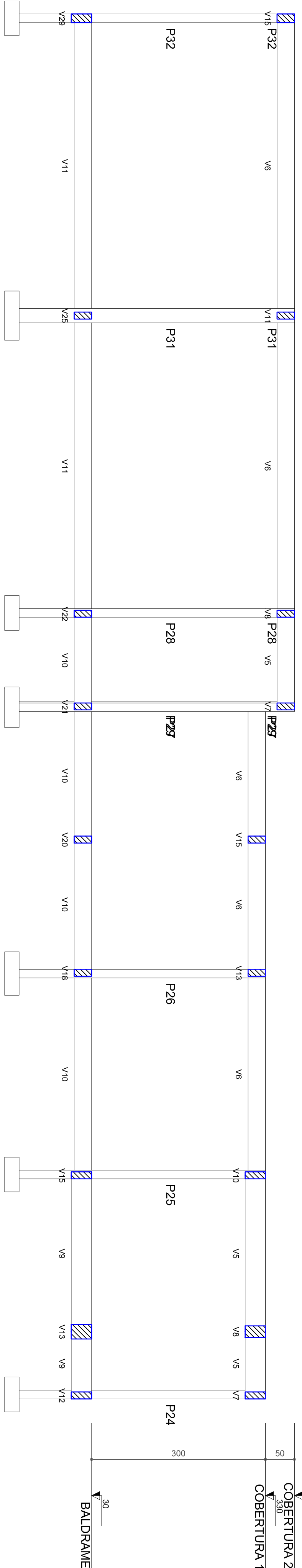
S5=S10



Corte C-C (projeto)  
escala 1:50



Corte D-D (projeto)  
escala 1:50



Projeto

ESTRUTURAL

02/09

Obra

CRAS - SÃO CRISTÓVÃO DO SUL

Localização

Rua Anderson M. Pereira s/n

Referência

SAPTAS

CORTE C-C

CORTE D-D

Responsável Técnico

Eng. CIVIL TÁBES TEODOROZIO

Projetado

SÃO CRISTÓVÃO DO SUL

Área

239,20m²

Data

18/05/2011

Escala

Iniciada

Desenho

Tábes

meta

planejamento urbano

meta

planejamento urbano