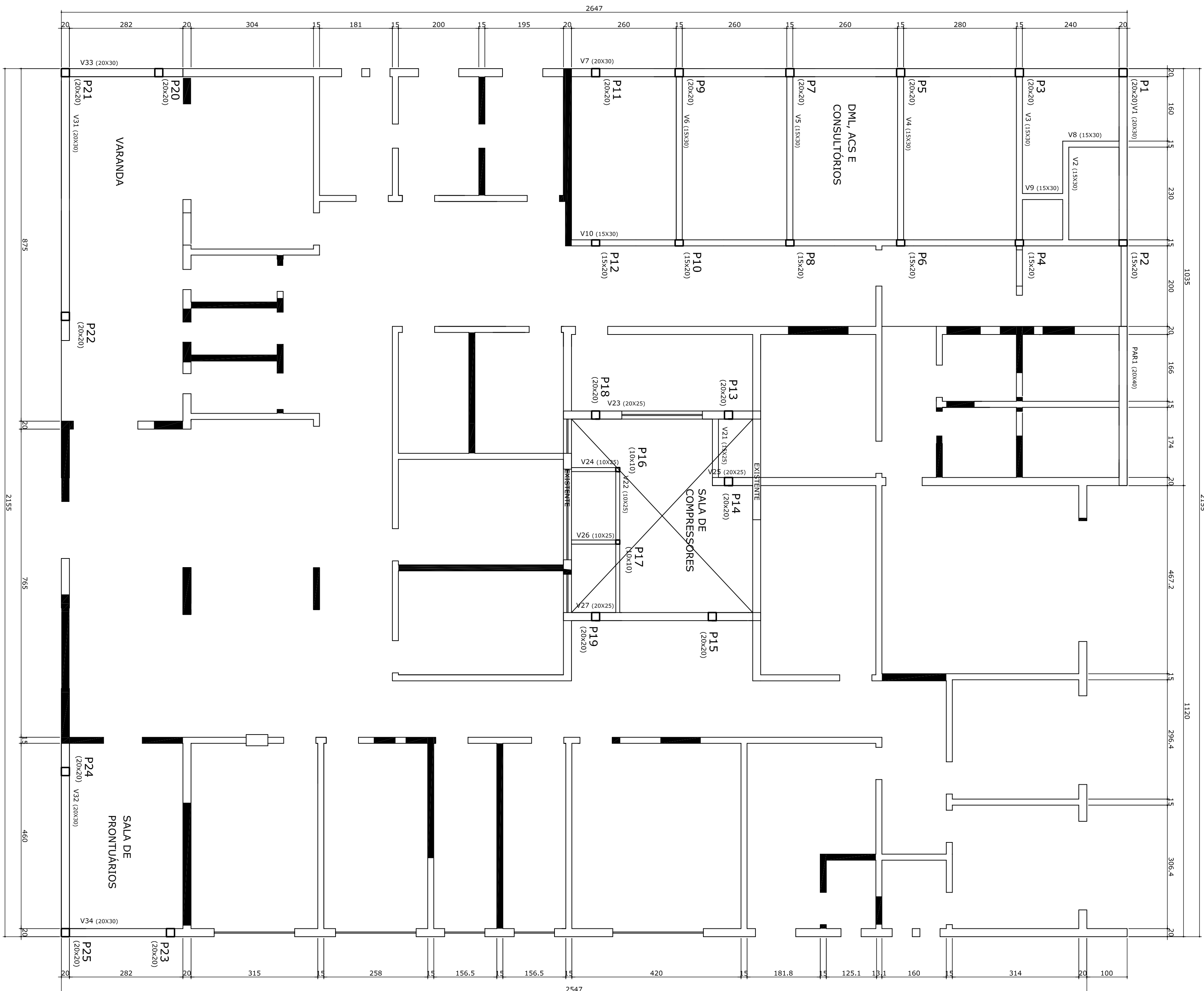
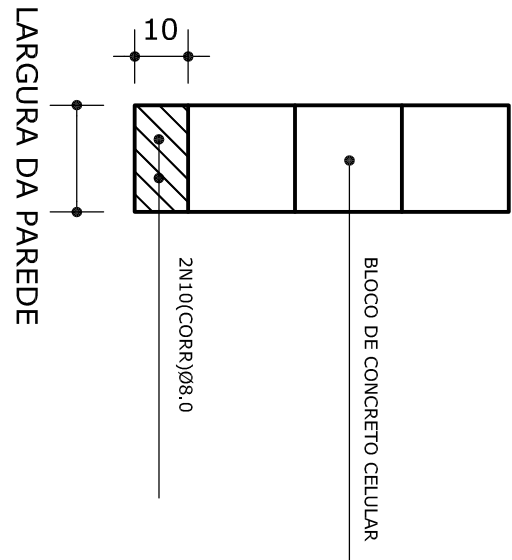


ESCALA 1:50

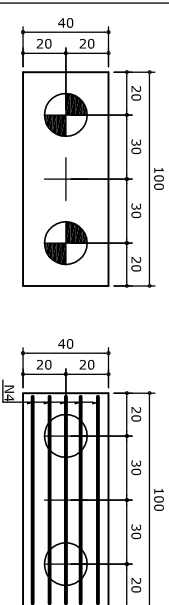


ESC 1:10

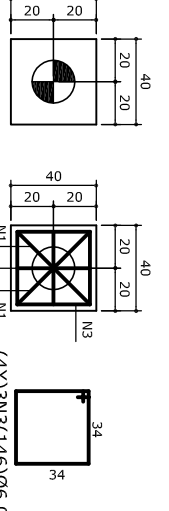
RESUMO DO AÇO:
AÇO CA-50 Ø8.0 - 53,0 kg
VOLUME DE CONCRETO = 2,0 m³
ÁREA DE FORMAS = 14,0 m²



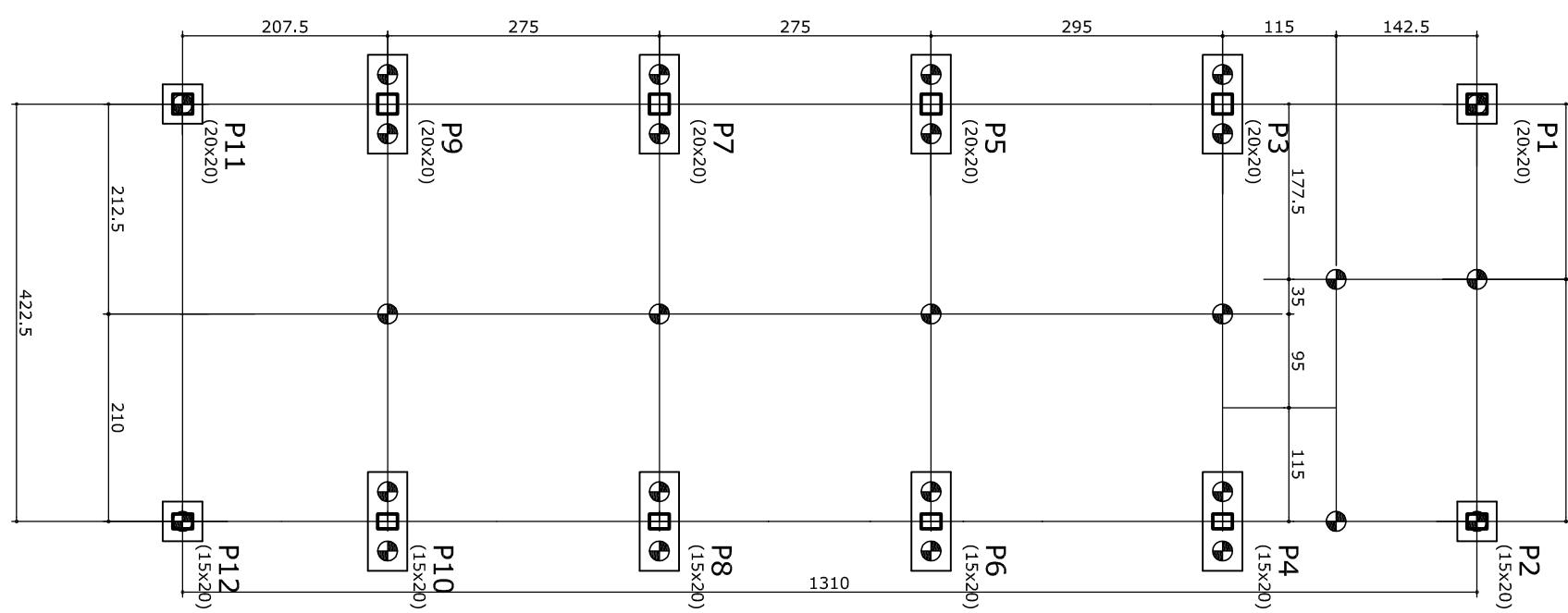
63,0 m DE	<input checked="" type="checkbox"/>	ARMADO E	<input type="checkbox"/>	EXISTENTE	<input type="checkbox"/>	NOVO
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 $\frac{AR}{1.25}$ 

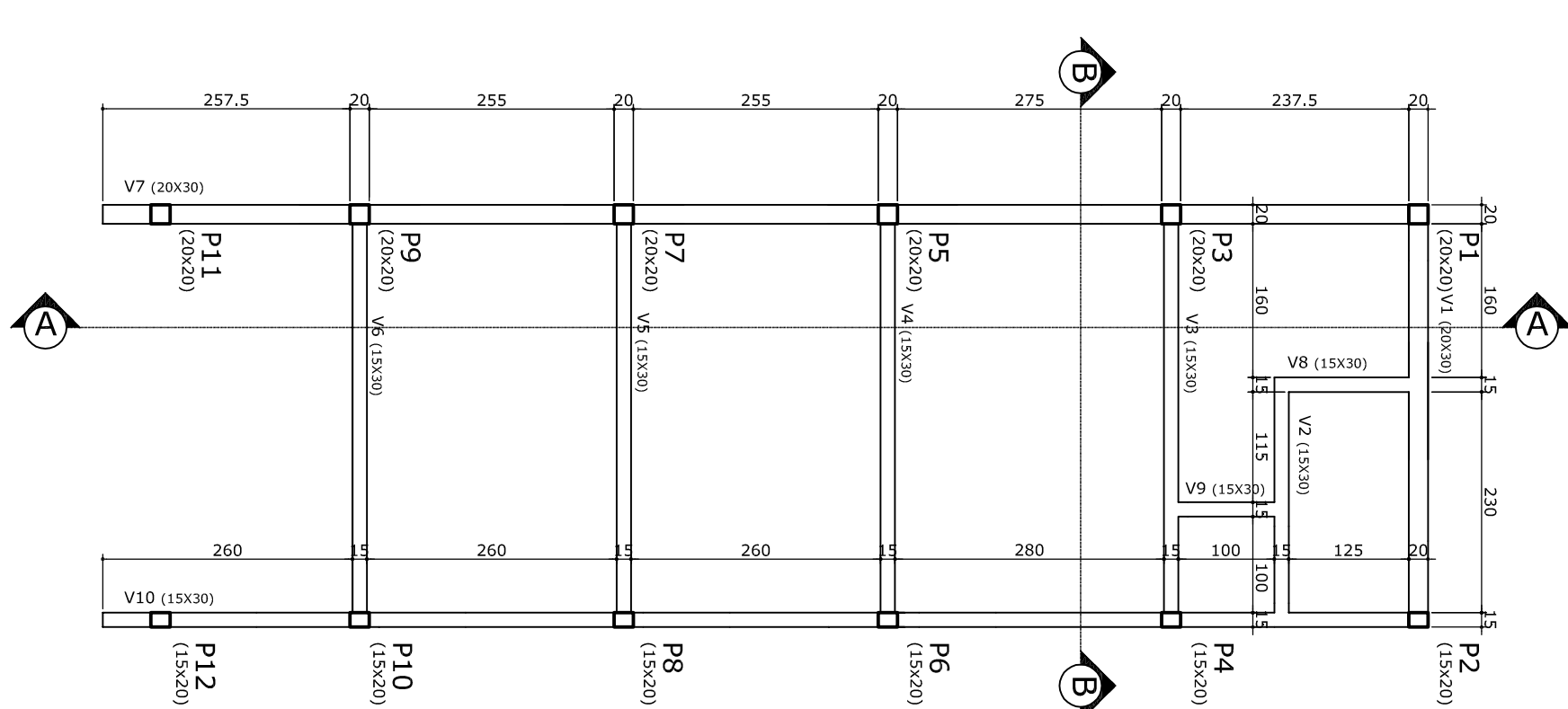
LAR



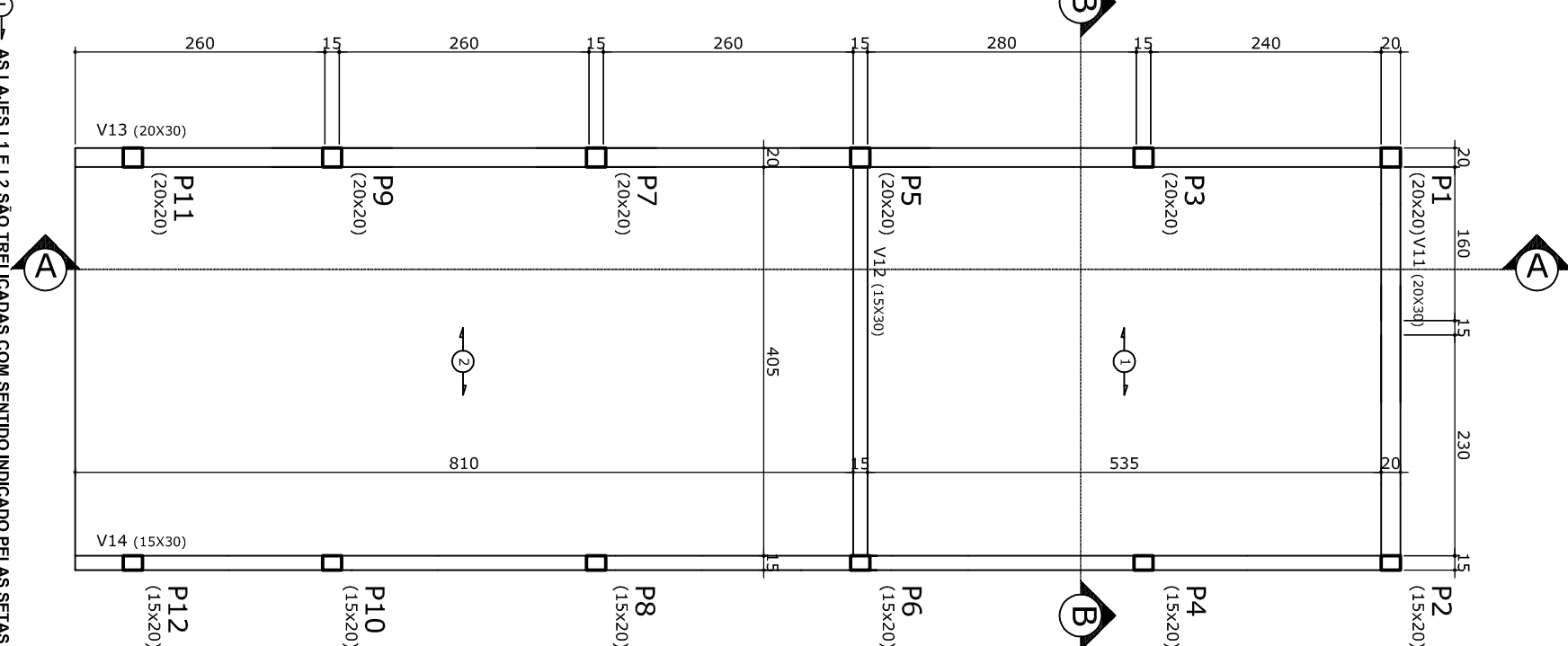
TACAS



ORMAS

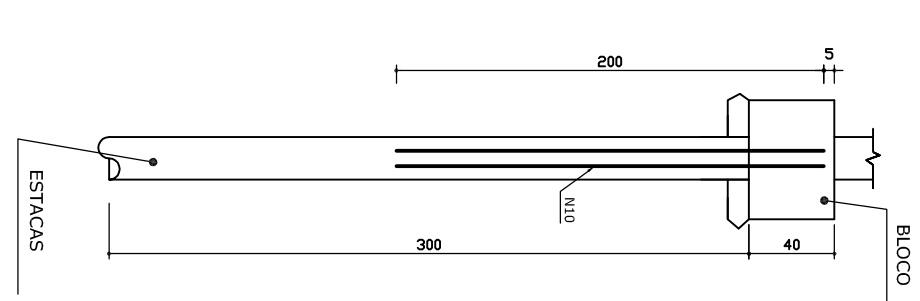
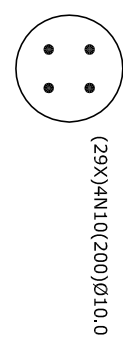


FORMAS

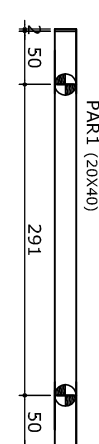


27 ESTACAS A TRADO Ø 20,0 cm E COMPRIMENTO DE 3,00m

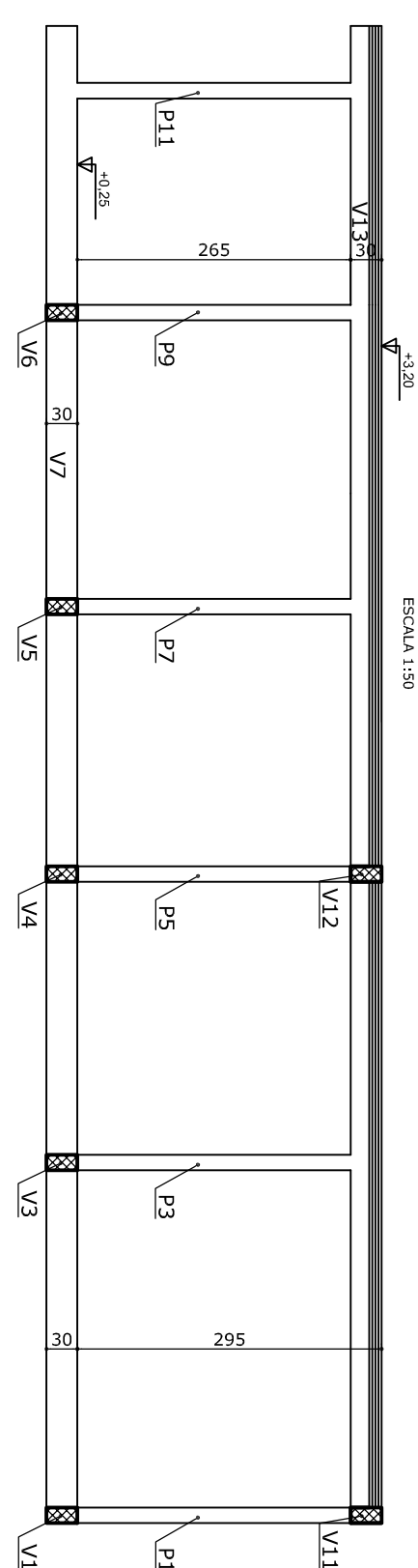
1:25

 $\lambda = 10$ 

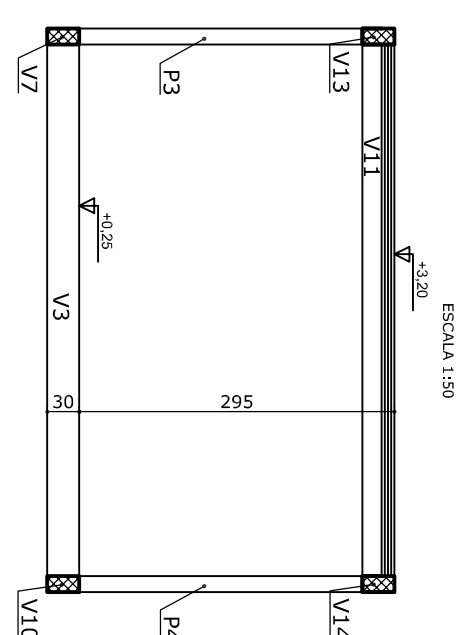
ESCALA 1:50



1:50



BE



ARMADURA DOS BLOCOS E ESTACAS

TABELA DE ARMADURAS

1	8.0	8	168
2	8.0	8	142
3	6.0	12	146
4	10.0	40	156
5	8.0	40	156
6	6.0	48	138
10	10.0	116	200

RESUMO DO AÇO		
	DIAM.	PESO
CA-60	5,0	-
	6,0	22
	6,3	-
CA-50	8,0	34
	10,0	270
	12,5	-
	16,0	-
	20,0	-
	25,0	-
TOTAL		326

VOLUME DE CONCRETO 8,00 m³

ÁREA DE FORMAS 16,00 m²

CLASSIFICAÇÃO QUANTO A AGRESSIVIDADE AMBIENTAL		
(de acordo com o risco)		
TIPO DE AMBIENTE URBANO	AGRESSIVIDADE MODERADA	RISCO DE DETERIORAÇÃO PEQUENO
CLASSE DE AGRESSIVIDADE II	CONCRETO MÍNIMO 25 MPa	CORROSÃO MÍNIMO 2,5 cm

OBS: A ESTRUTURA NOVA DEVERÁ ESTAR DILATADA, NO MÍNIMO 2,0 cm, DA ESTRUTURA EXISTENTE.

[illegible]


PREFEITURA MUNICIPAL DE JOINVILLE
Secretaria da Saúde
 Rua Aratanguá, 357 - Bairro América - Joinville SC


Helpon HELPCON
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Fone: (047) 3026-6002

Empresário	Rua Comendante João de Mendonça - Bairro Costa e Silva - Jd. Mirim - SC
FUNDO MUNICIPAL DE SAÚDE	
Proprietário	FORMAS TERREO COM EXISTENTE
PREFEITURA MUNICIPAL DE JOINVILLE	DML, CAS E CONSULTÓRIOS - LOCAÇÃO, FORMAS E CORTES
Autôr	DML, CAS E CONSULTÓRIOS - ARM, DOS BLOCOS E ESTRADAS
ENG. RODRIGO HARTMANN DOBNER	
CREA: 1019325-5/SC	

[illegible]