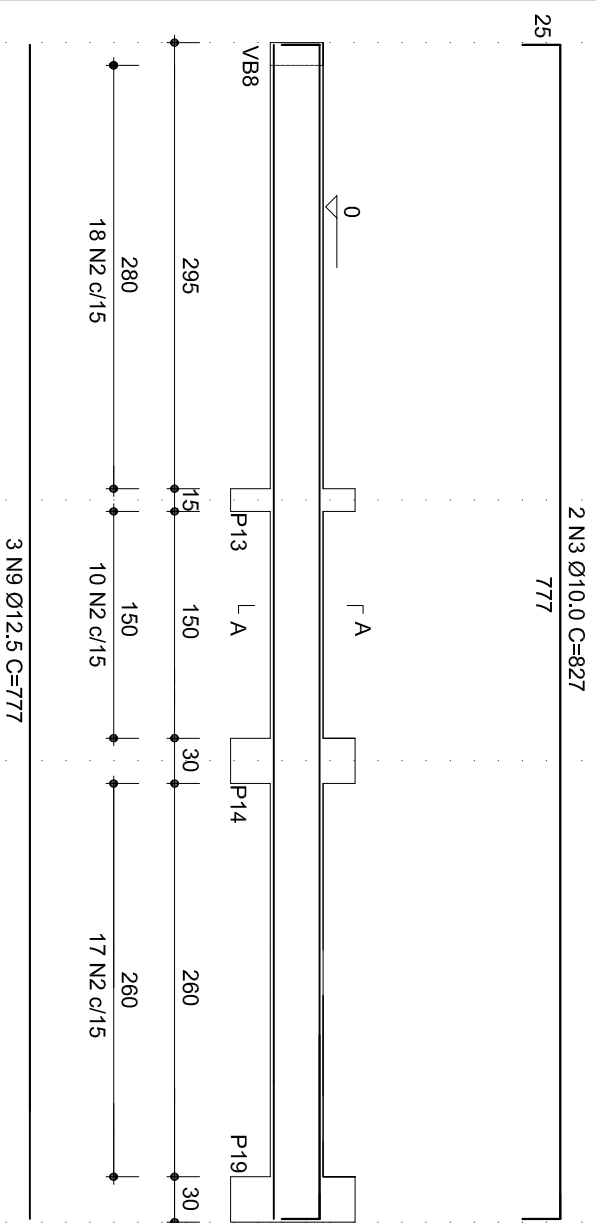
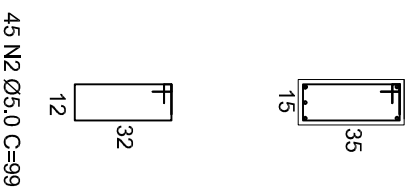


VB11

1:50

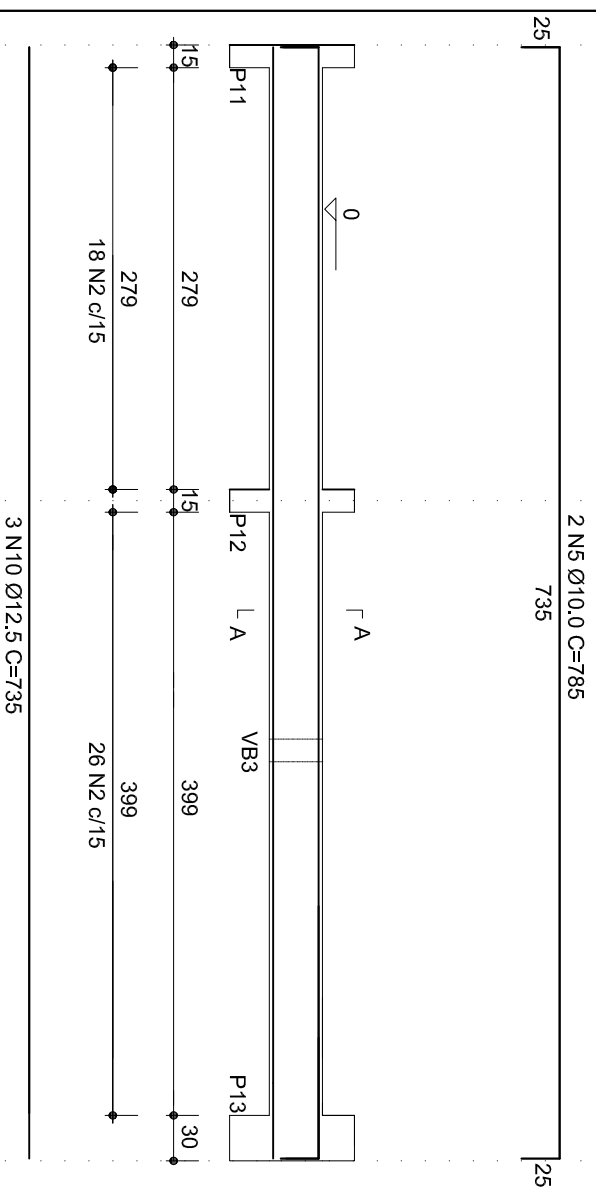


SEÇÃO A-A
ESC 1:25

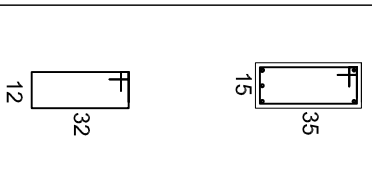


VB13

1:50

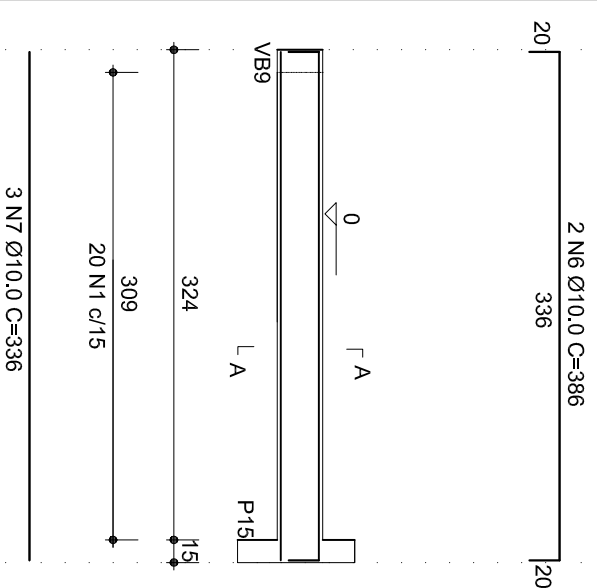


SEÇÃO A-A
ESC 1:25

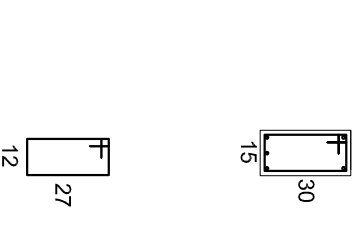


VB14

1:50

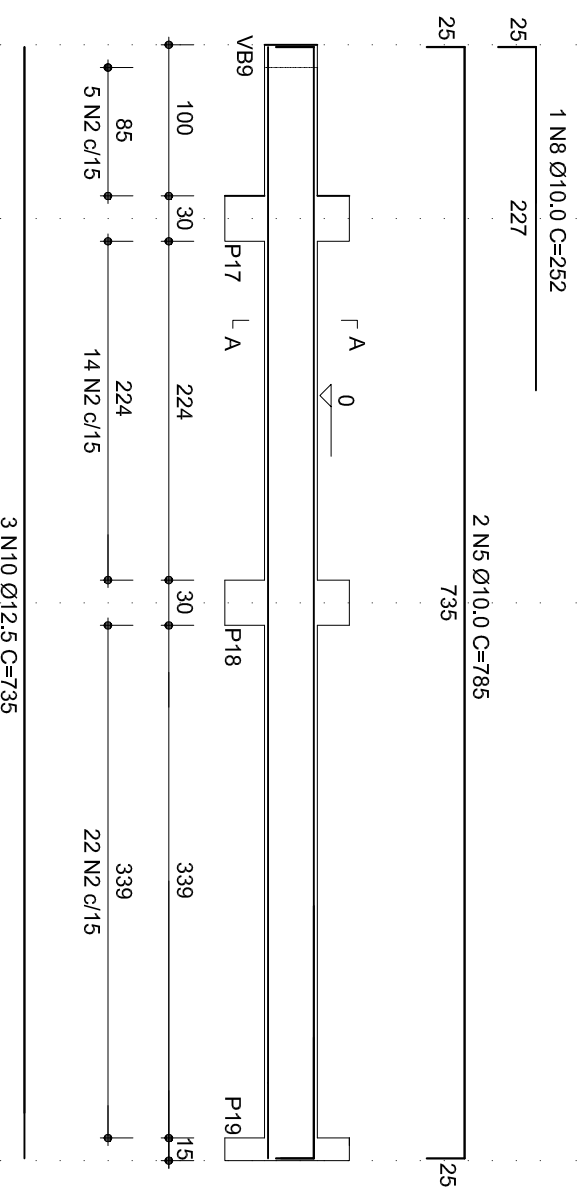


SEÇÃO A-A
ESC 1:25

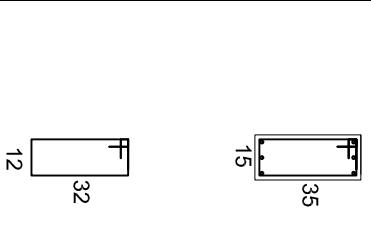


VB15

1:50

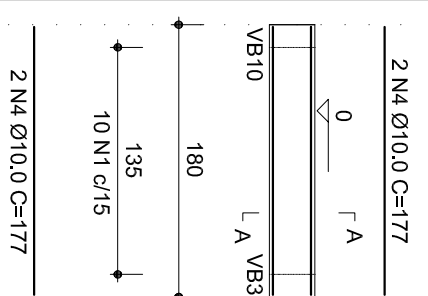


SEÇÃO A-A
ESC 1:25

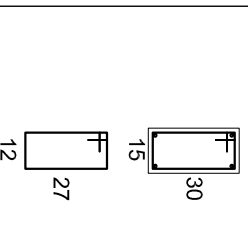


VB12

1:50



SEÇÃO A-A
ESC 1:25



RELAÇÃO DO AÇO

V11
V14

V12
V15

V13

RESUMO DO AÇO

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	30	89	2670
	2	5.0	130	99	12870
	3	10.0	2	827	1654
	4	10.0	4	177	708
CA50	5	10.0	4	785	3140
	6	10.0	2	386	772
	7	10.0	3	336	1008
	8	10.0	1	252	252
	9	12.5	3	777	2331
	10	12.5	6	735	4410

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	10.0	75.34	46.48
CA60	12.5	67.41	64.92
PESO TOTAL		155.40	23.93
CA50	111.40		
CA60	23.93		

Vol. concreto (fck=25Mpa) = 1,27m³

Área de forma total = 15,72 m²



PROPRIETÁRIO:

DESCRIÇÃO:

Vigas Baldrame

RESPONSÁVEL TÉCNICO:

TÍTULO:

Projeto Estrutural

OBRA/LOCAL:

Ampliação Unidade Básica de Saúde
Rua Valmir Pedroso Severo, Nº 01, Centro, Coxilima-RS

ESCALA:

Indicada

DATA:

Agosto/2020

FRAÇÃO Nº:

ES 06/12

ILDO JOSÉ ORTI
PROFESSOR MUNICIPAL

MARCOS ANDRÉ MIOZZO ZAVODNIK
Eng. Civil CRBMG 1.6762