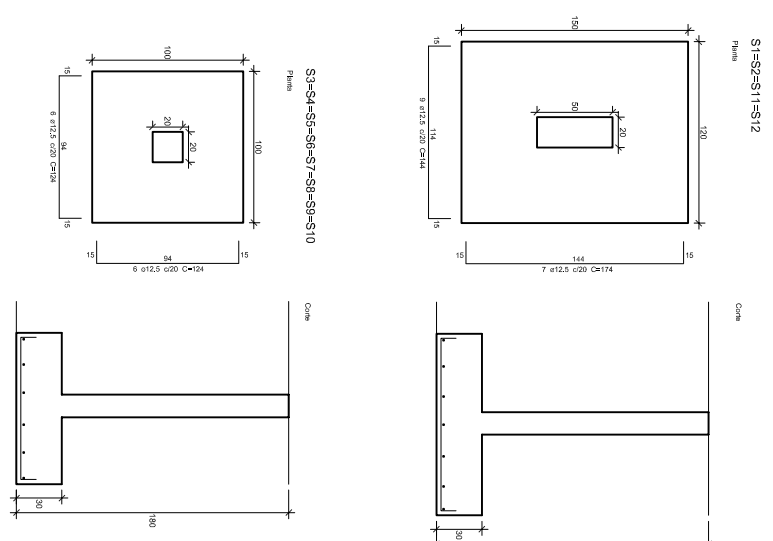
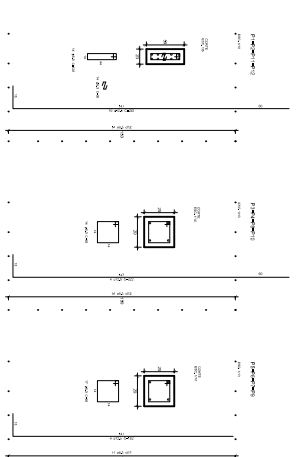


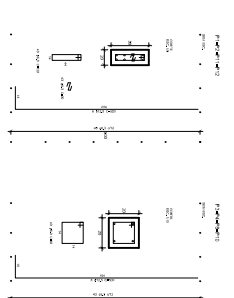


ACO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	12,5	219,60	219,16
PESO TOTAL			
CA50	219,16		

Vol. de concreto total (C-30) = 4,56m³
 Área de forma total = 16,00m²



Resumo do aço		
PILARES (terço e superior)		
AÇO	DIM	PESO
		(Kg)
CA50	6,3	541,20
	12,5	496,32
PESO TOTAL		495,33
CA50	630,63	



DETALHAMENTO DAS SAPATAS
ESC. 1/25

REVISÃO:	DESCRIÇÃO:	RESPONSÁVEL:	APPROVAÇÃO:
			DATA:



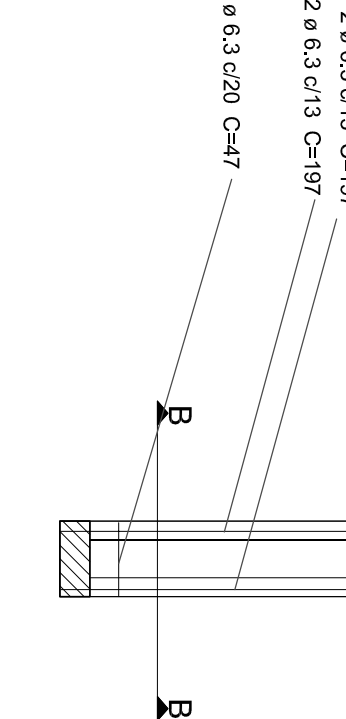
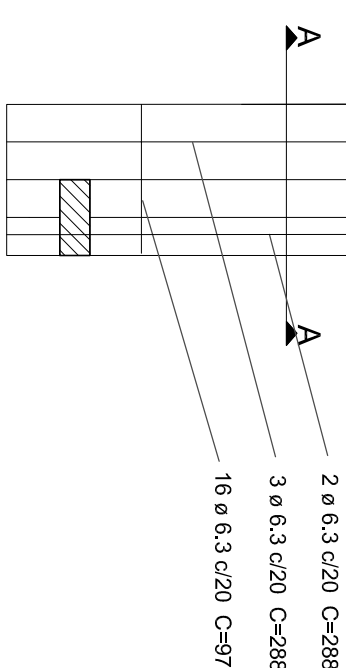
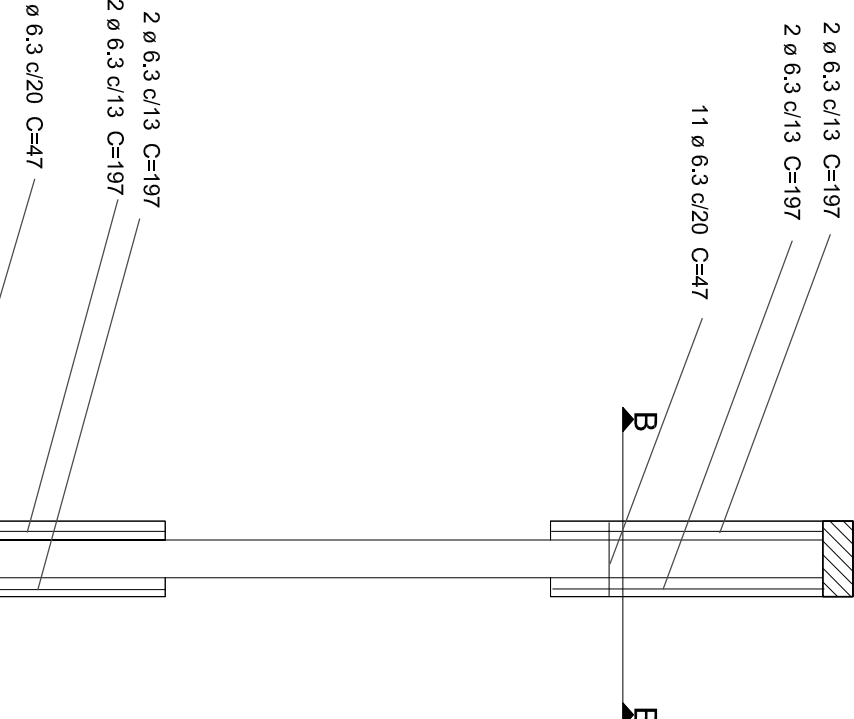
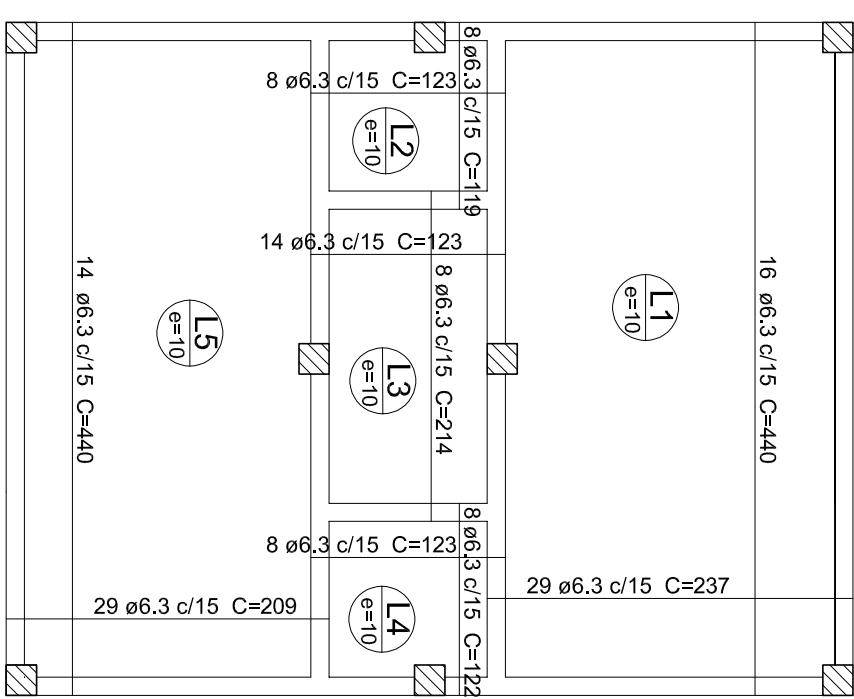
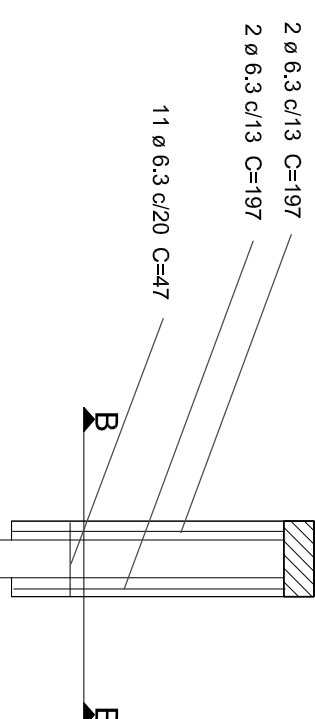
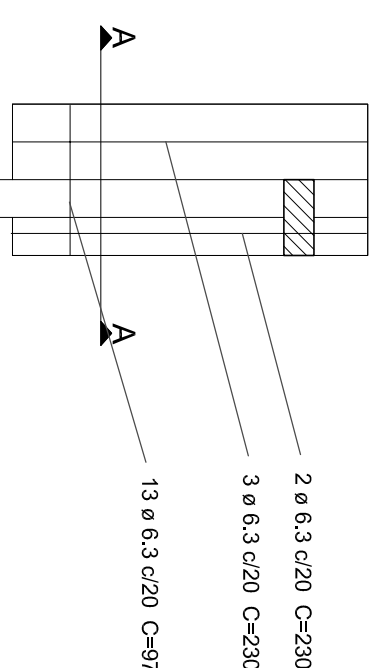
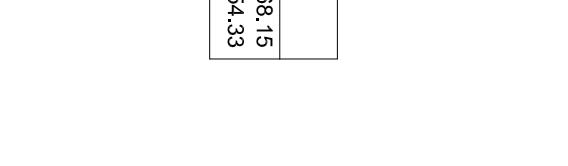
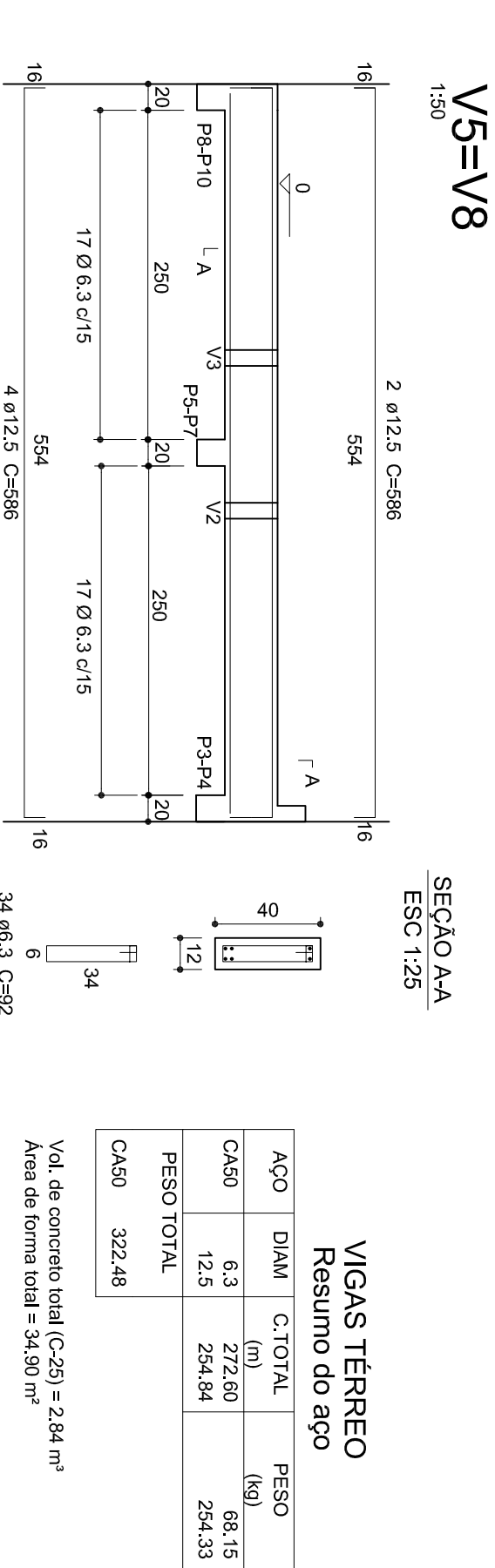
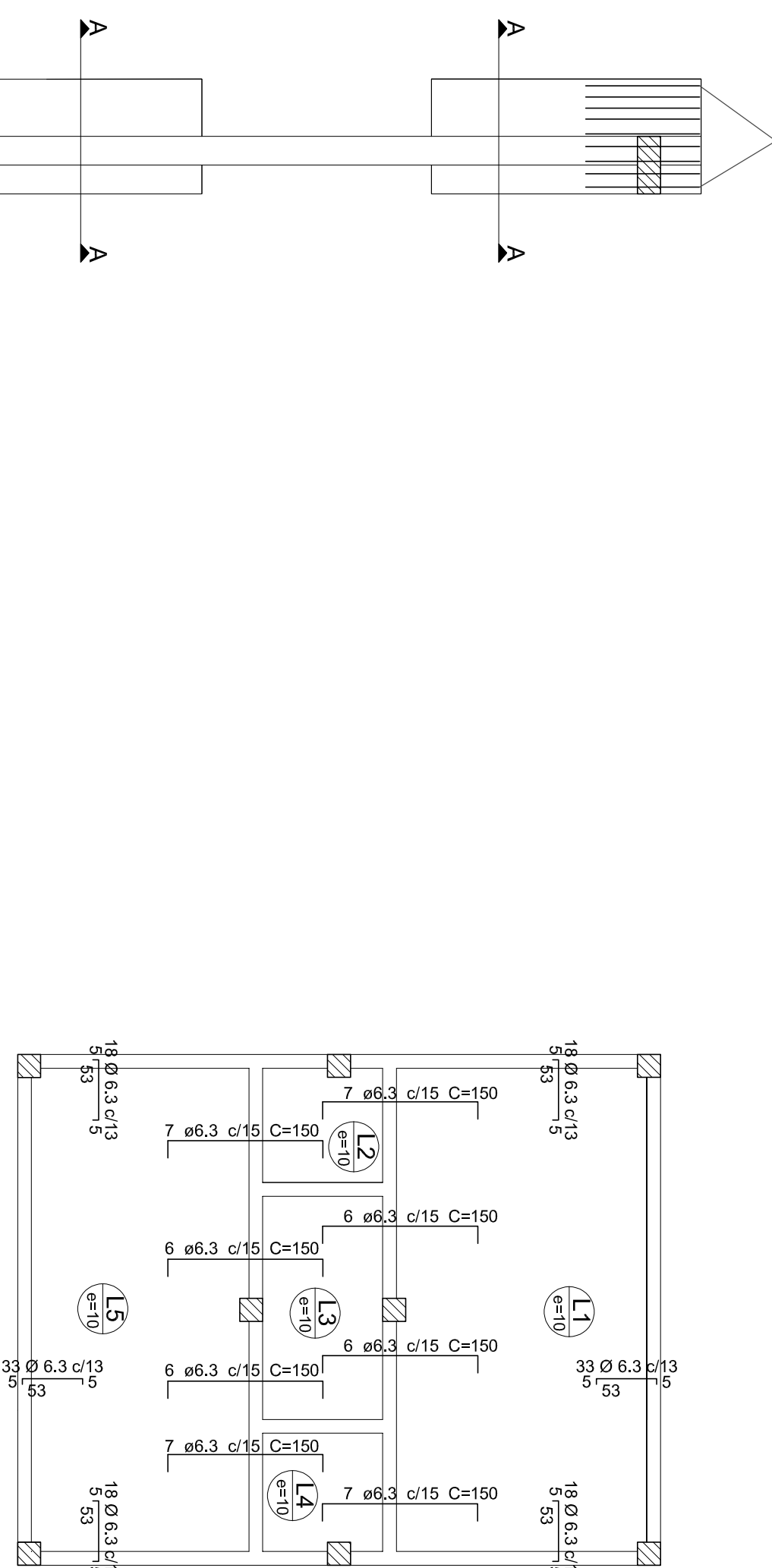
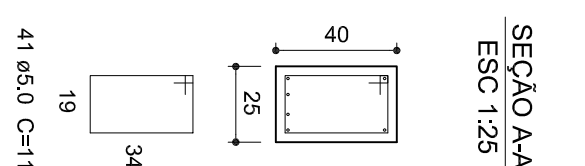
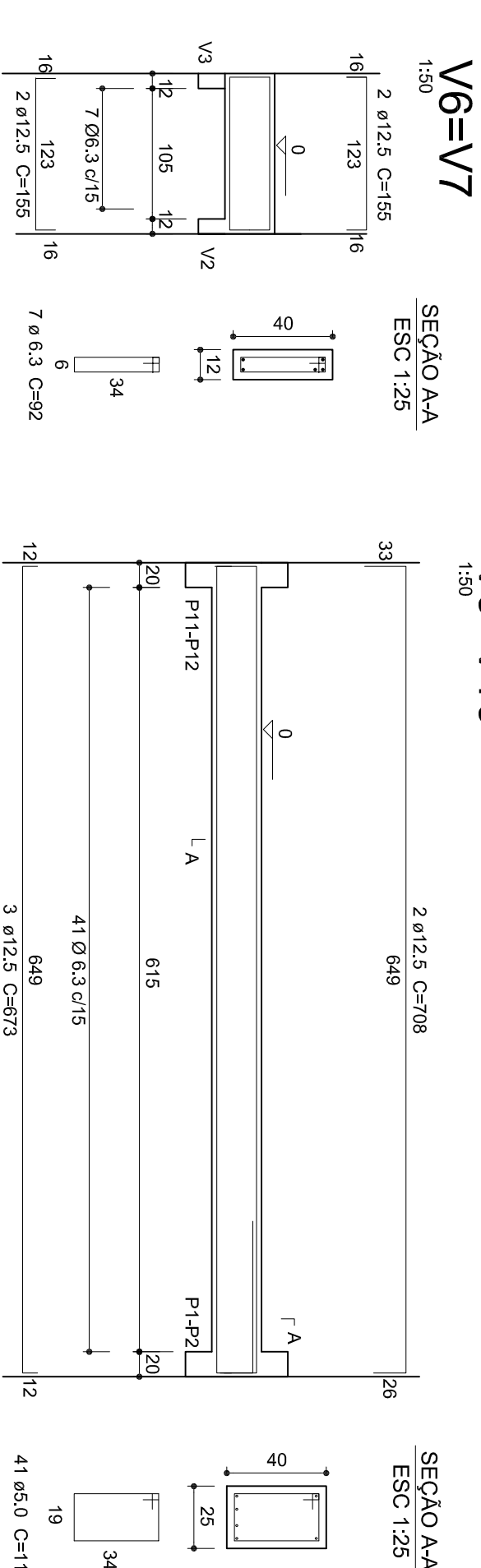
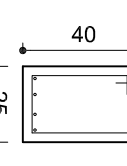
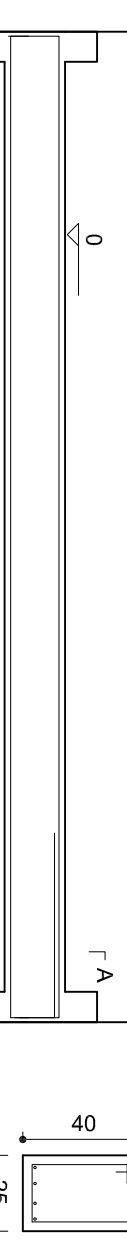
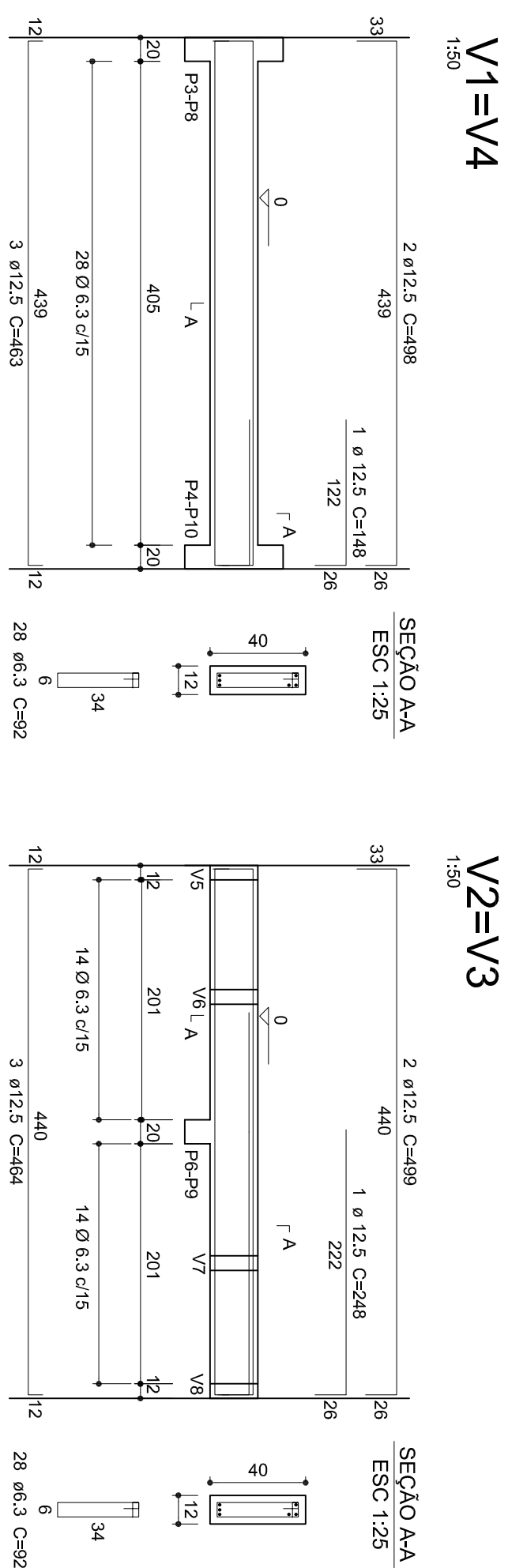
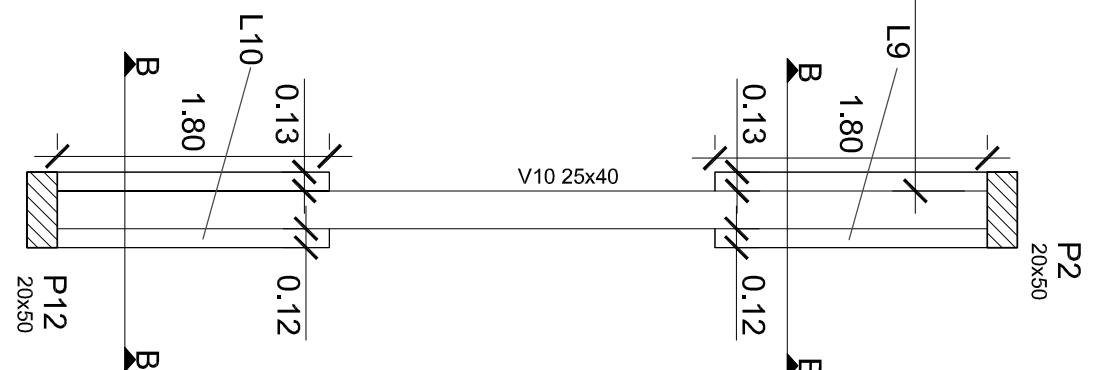
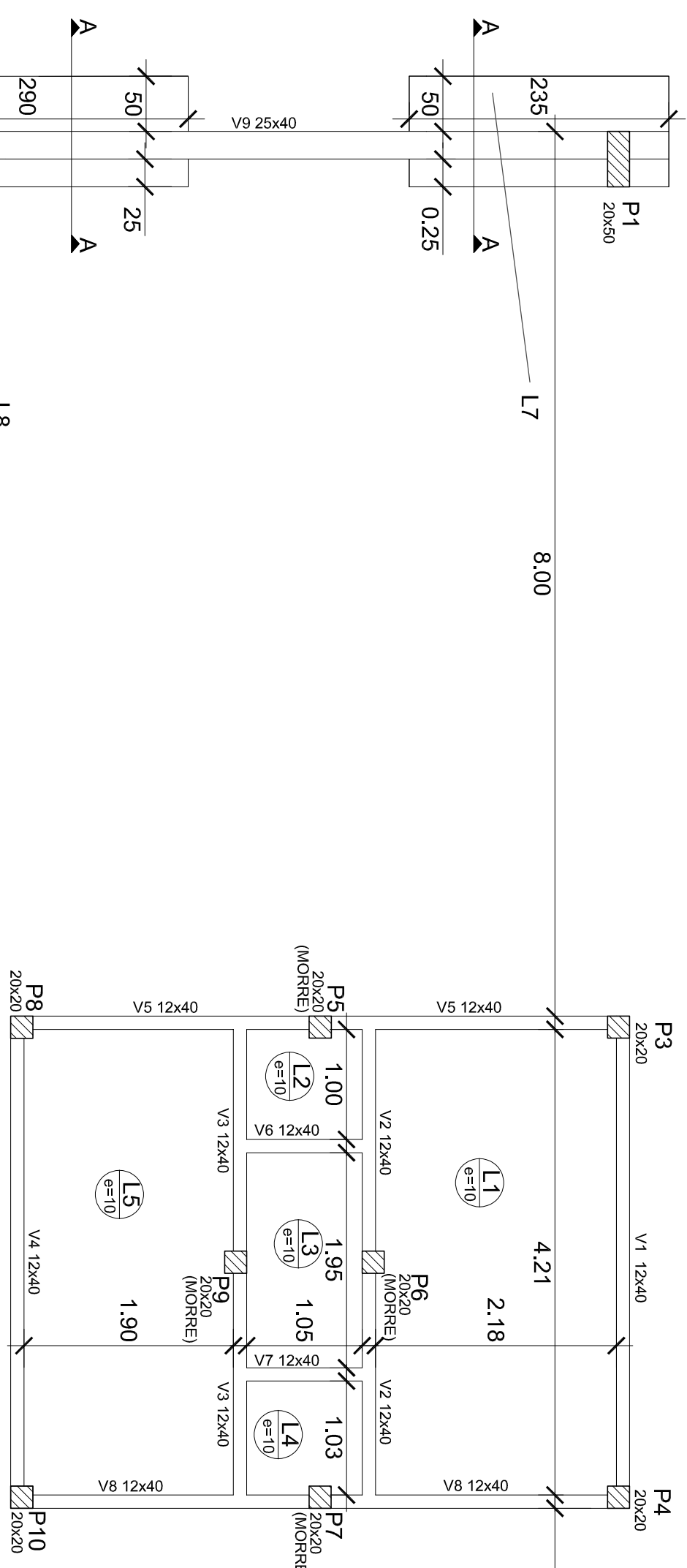
INSTITUTO FEDERAL DE
EDUCAÇÃO, CIÊNCIA E TECNOLOGIA
RIO GRANDE DO SUL

CAMPUS
GRAMADO

Terreno Urbano
Bairro: Gramado - RS

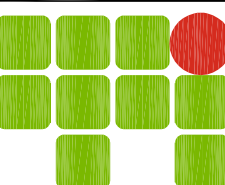
ASSUNTO:	PROJETO ESTRUTURAL
OBRA:	PORFÍRICO
CONTEÚDO:	LOCAÇÃO E DET. DAS SAPATAS

PRODUTO:		ARQUIVO:	
VARELETA A. BOAT Fins. C.M. - CDEA 7051			
EXECUÇÃO:		ESCALA:	ÁREA CONSTRUIDA:
		INDICAÇÃO:	
		DESENHO:	
PROPRIETÁRIO:		PARCERIA:	
		DATA:	
INSTITUTO FEDERAL DO RIO GRANDE DO SUL - ifrg.rs.gov.br/cadastre		E01	



LAJES TÉRREO			
Resumo do aço			
(armadura positiva e negativa)			
AÇO	DIAM	C. TOTAL (m)	PESO (kg)
CA50	6,3	732,28	183,07
CA60			
PESO TOTAL			
CA50	183,07		

REVISÃO	DESENHO				
RESPONSÁVEL:	APROVADO:				
DATA:					

ASSUNTO:	 INSTITUTO FEDERAL DE EDUCAÇÃO, CIÊNCIA E TECNOLOGIA RIO GRANDE DO SUL
PROJETO ESTRUTURAL	

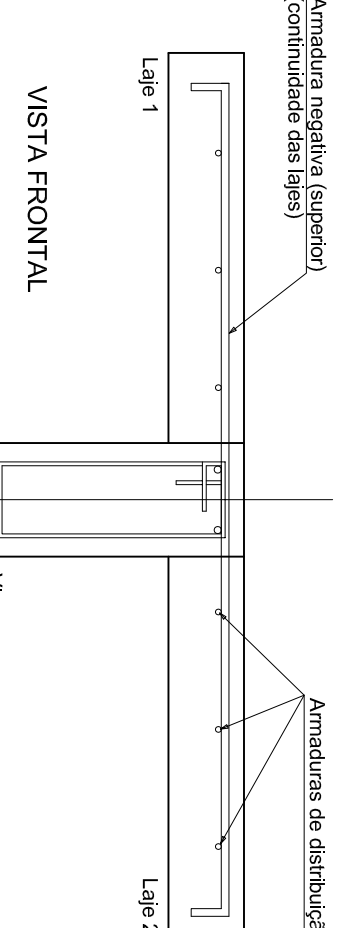
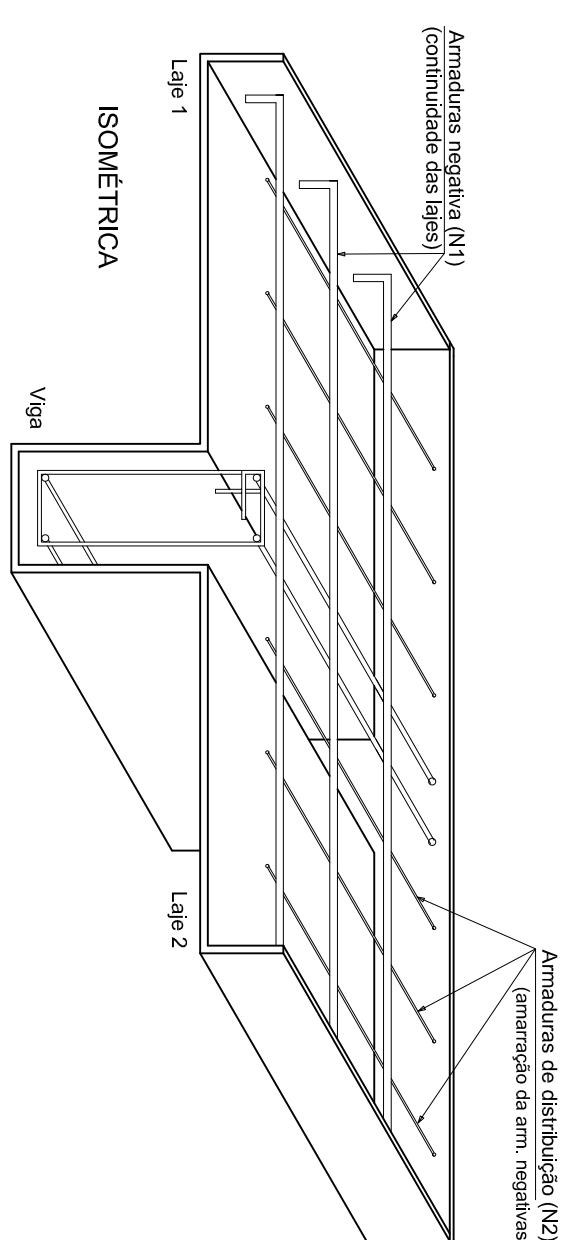
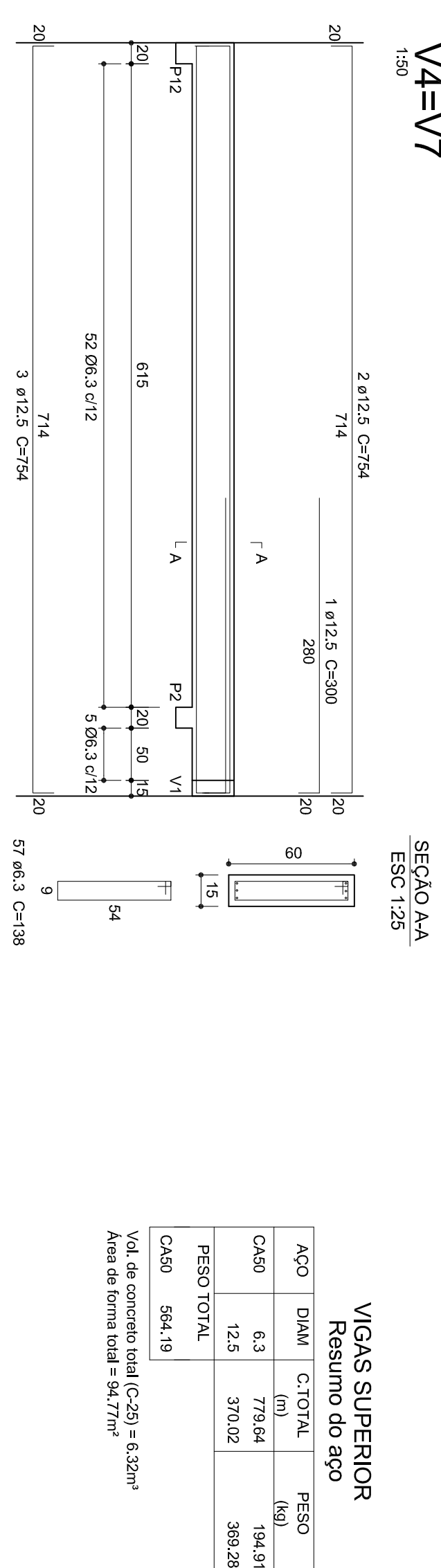
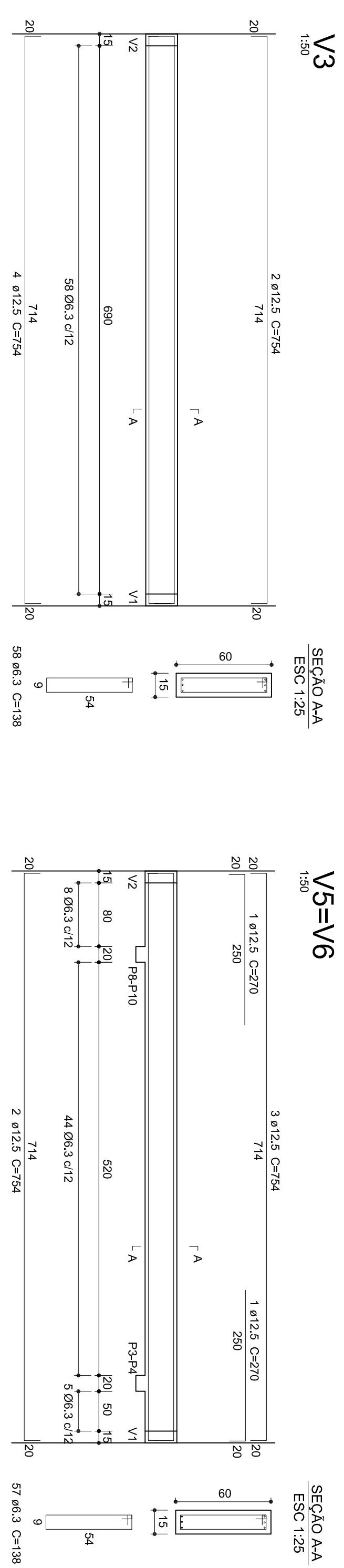
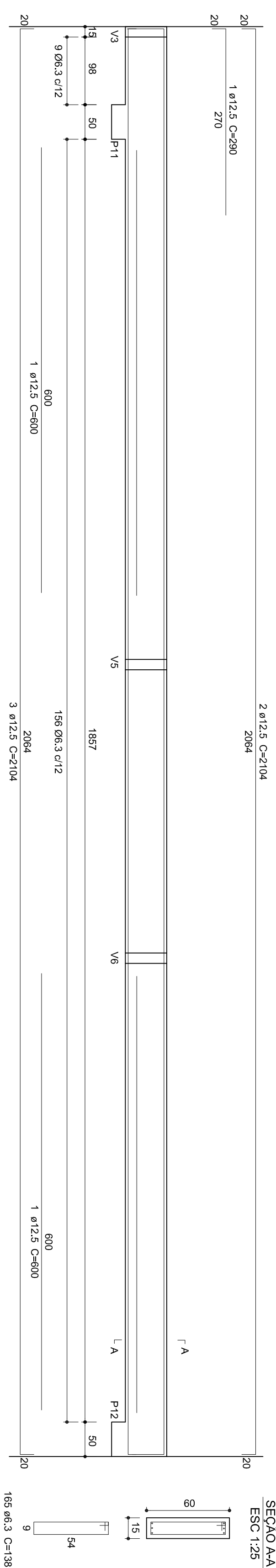
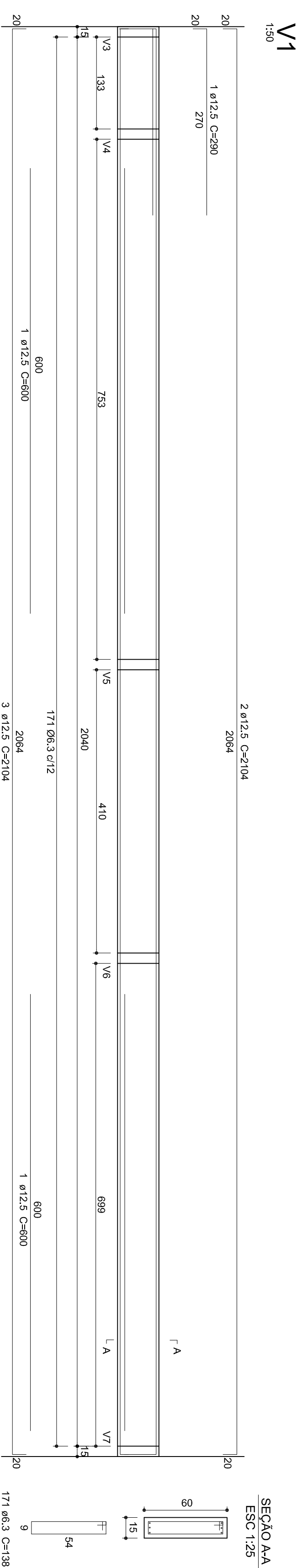
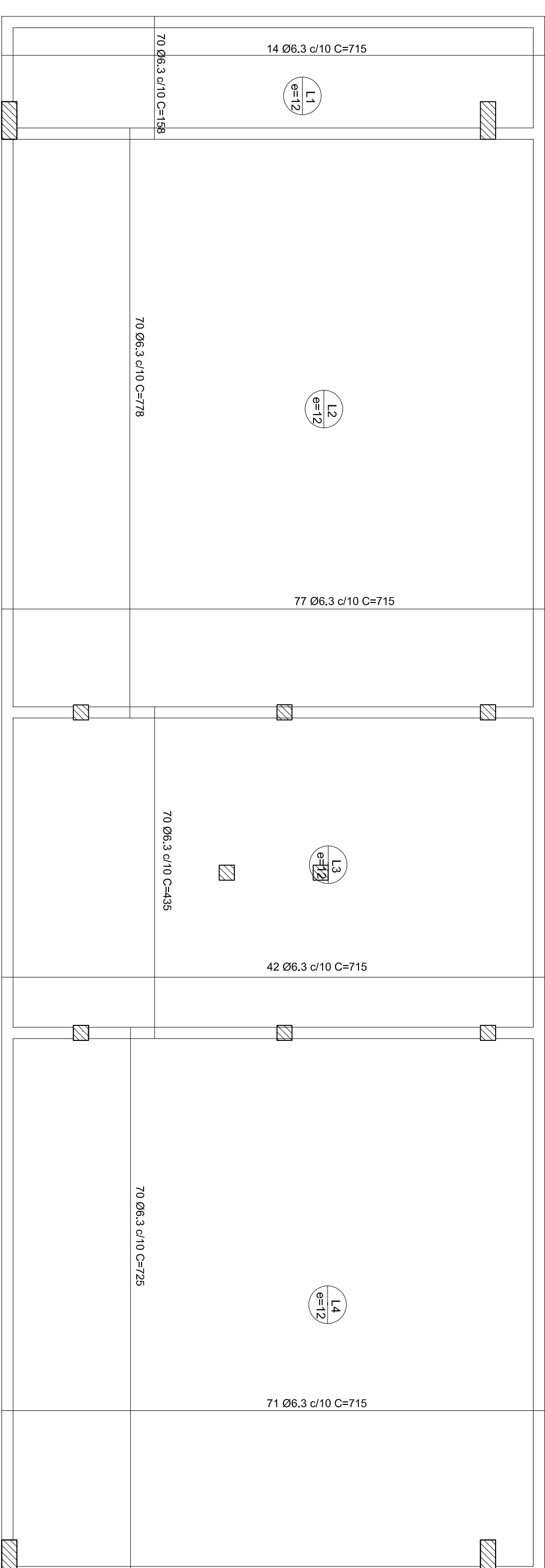
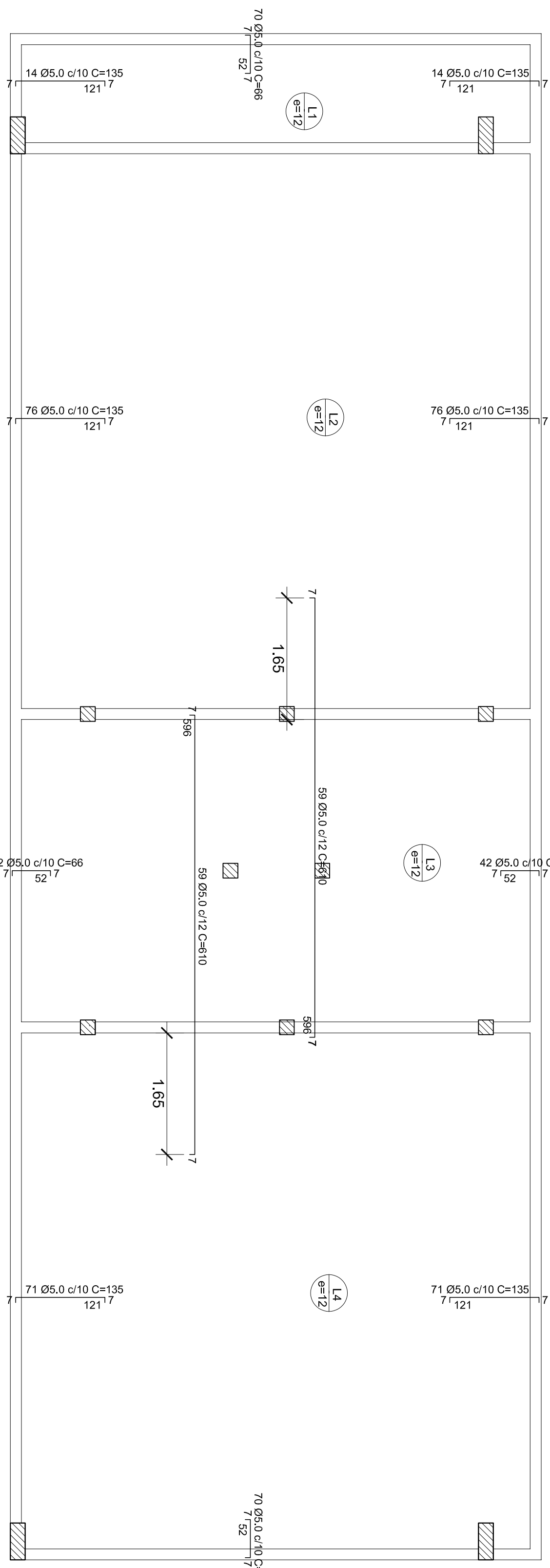
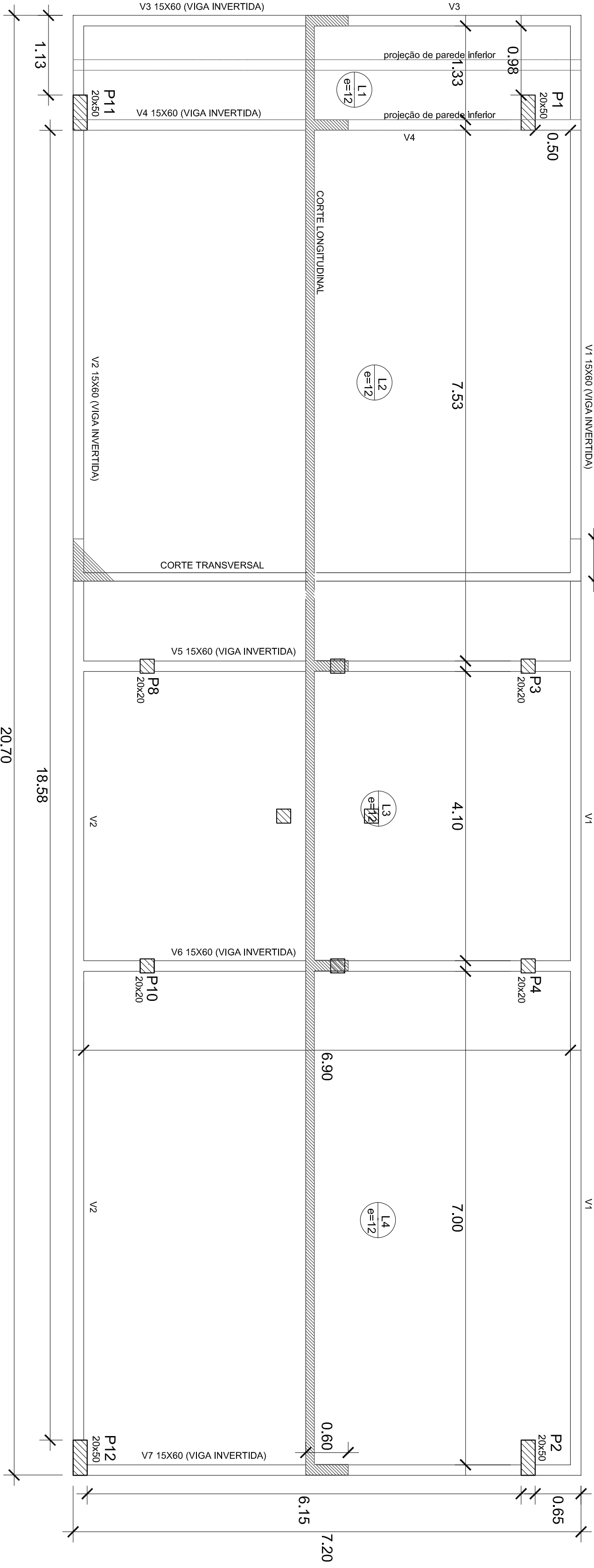
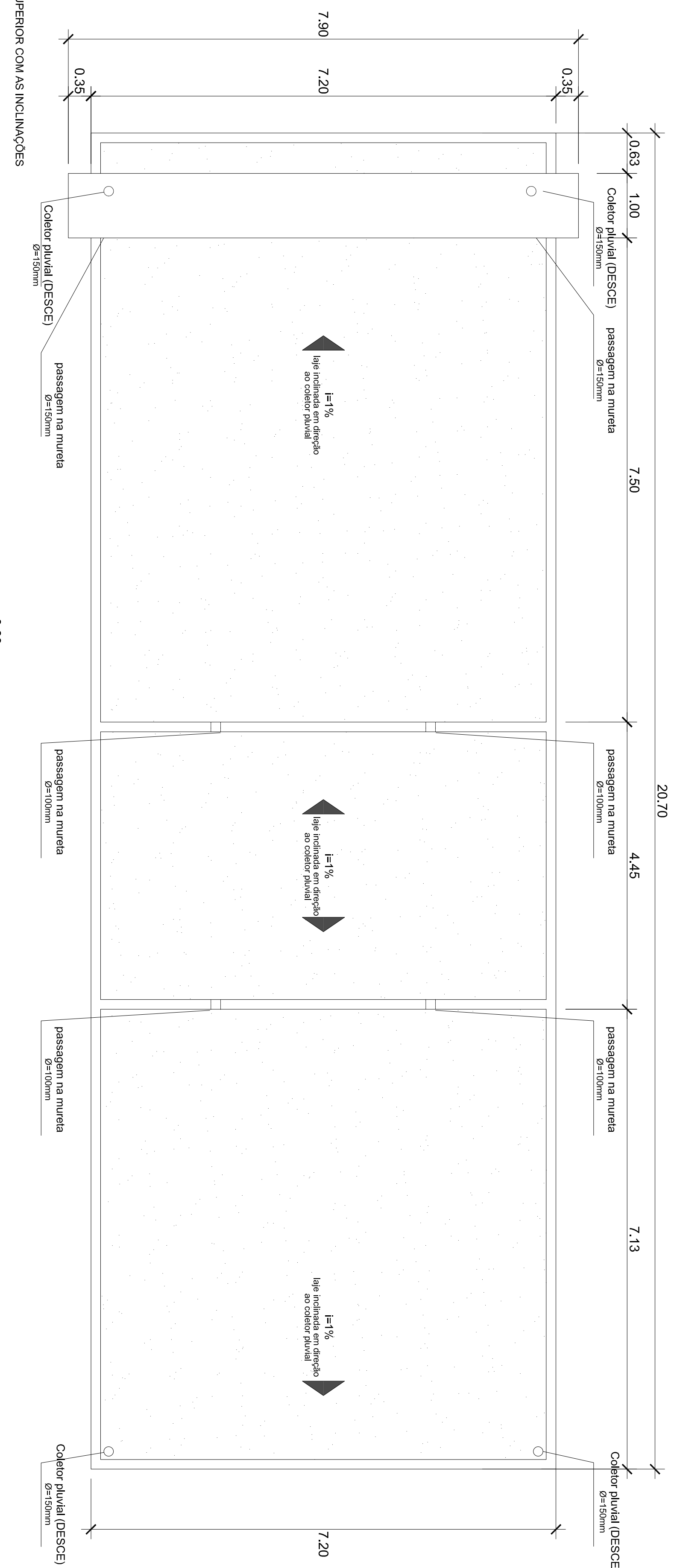
PROJETO:	VANERLEA A. SEGAT Eng. Civil (CRB 1.934)
DESENHO:	
PROPRIETÁRIO:	

INSTITUTO FEDERAL DO RIO GRANDE DO SUL - IFRR

GRAB.	PORTICO
CONTEUDO:	LOCAÇÃO E DET. DAS SAPATAS
CAMPUS	
GRAMADO	
Tempo Urbano	
Bairro Vilação Grande,	
GRAMADO - RS	

ARQUIVO:	
ESCALA:	ÁREA CONSTRUIDA:
INDICAÇÃO	
DESENHO:	PRANCHA:
DATA:	

27/03/2025	E02
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LAJES SUPERIOR			
Resumo do aço			
(armadura positiva e negativa)			
ACO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	6,3	4229,0	1057,25
PESO TOTAL			
CA50	1057,25		

Vol. de concreto total (C-25) = 16,52 m³
 Área de forma total = 137,71 m²

**CAMPUS
GRAMADO**
Terreno Urbano
Bairro Vazão Grande,
GRAMADO - RS

**CAMPUS
GRAMADO**
Terreno Urbano
Barro Velozes Grande,
GRAMADO - RS

[illegible]