

Blocos de enchimento				
Detalhe	Tipo	Nome	Dimensões(cm) hb   bx   by	Quantidade
1	EPS Unidirecional	B8/30/125	8   30   125	120

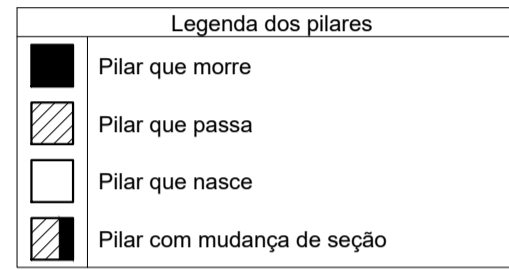
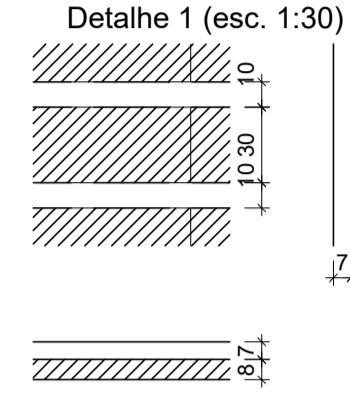
Lajes								
Nome	Tipo	Altura (cm)	Elevação (cm)	Nível (cm)	Sobrecarga (kgf/m²)			Localizada
					Peso próprio (kgf/m²)	Adicional	Acidental	
L1	Treliçada 1D	15	0	0	226	154	300	-
L2	Treliçada 1D	15	0	0	226	154	300	-
L3	Treliçada 1D	15	0	0	226	154	300	-
L4	Treliçada 1D	15	0	0	226	154	300	-

Características dos materiais	
fck (kgf/cm²)	Ecs (kgf/cm²)
250	241500

Dimensão máxima do agregado = 19 mm

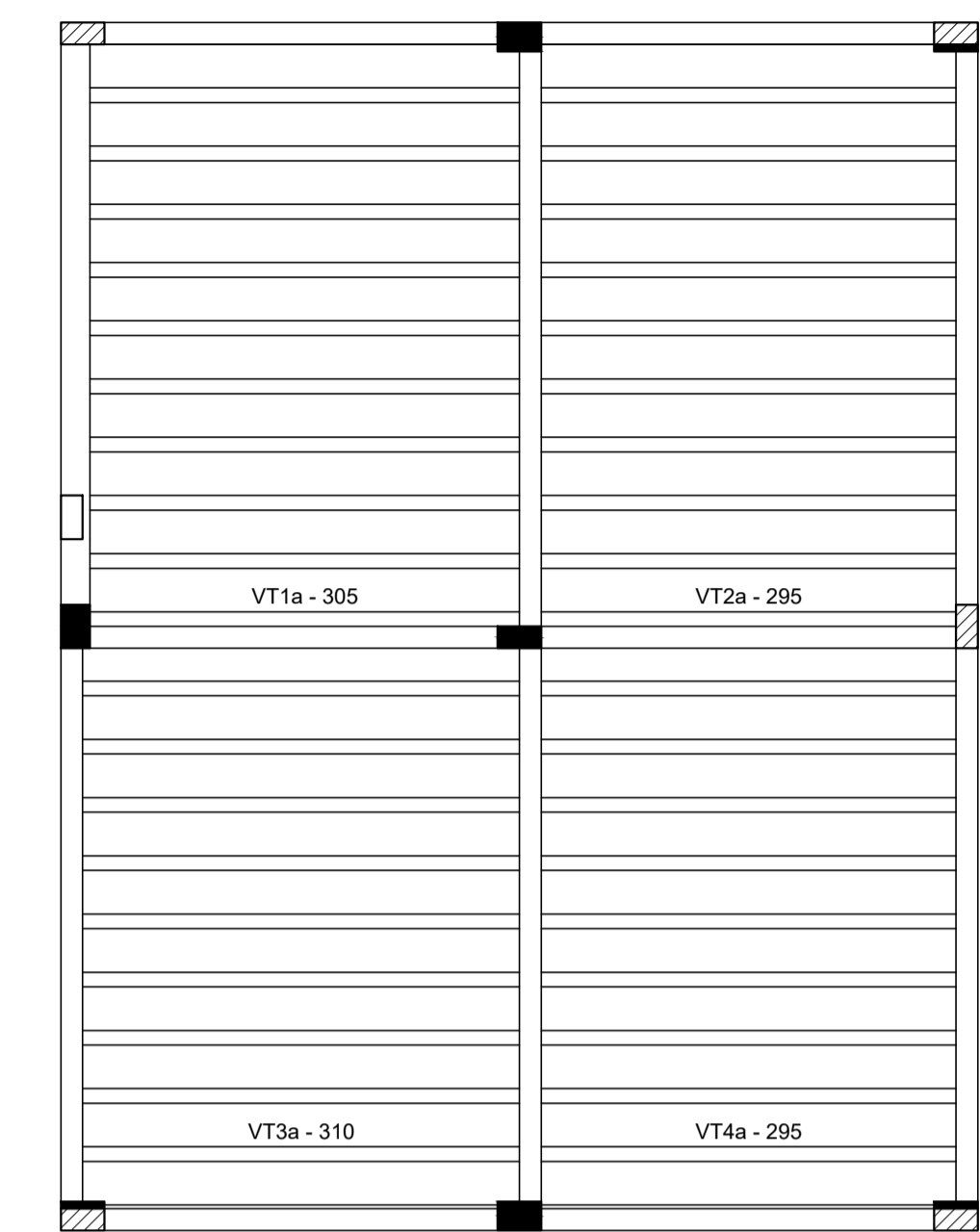
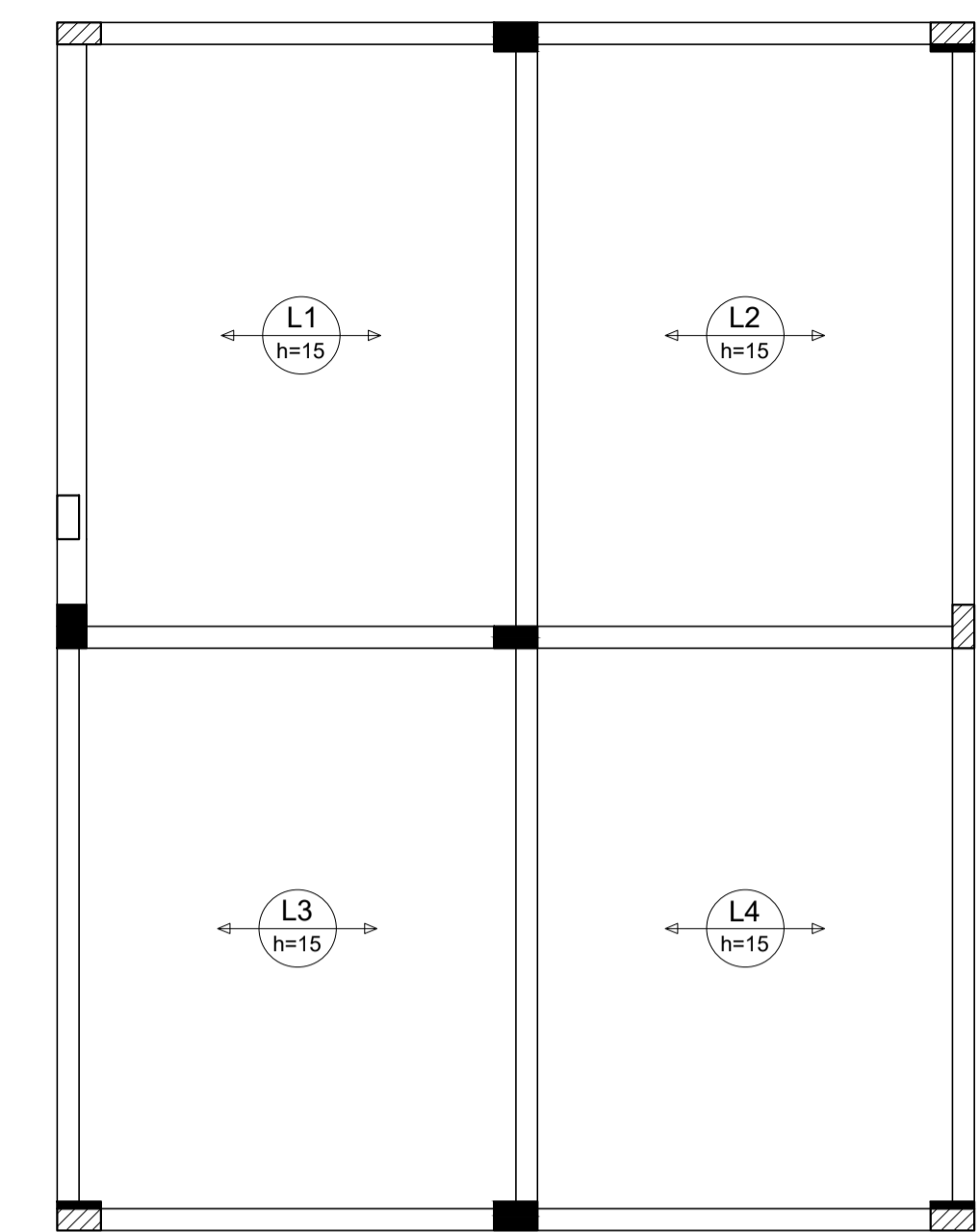
Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	15x45	0	0
V2	15x45	0	0
V3	15x45	0	0
V4	15x45	0	0
V5	20x45	0	0
V6	15x45	0	0
V7	15x45	0	0
V8	15x45	0	0

Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	15x30	0	0
P2	20x30	0	0
P3	20x30	0	0
P4	15x30	0	0
P5	20x30	0	0
P6	15x30	0	0
P7	15x30	0	0
P8	20x30	0	0
P9	20x30	0	0
P10	20x30	0	0



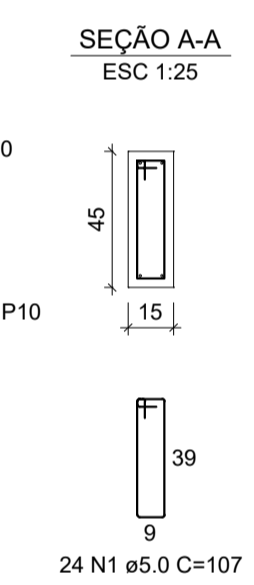
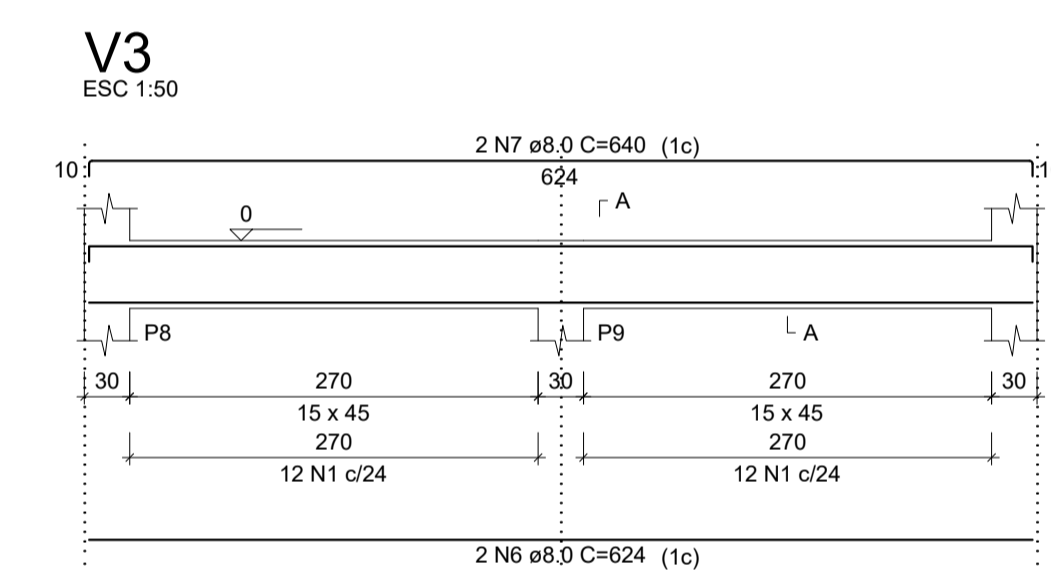
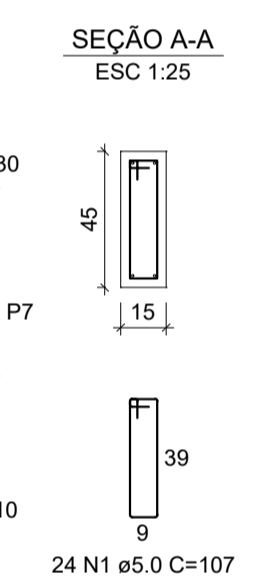
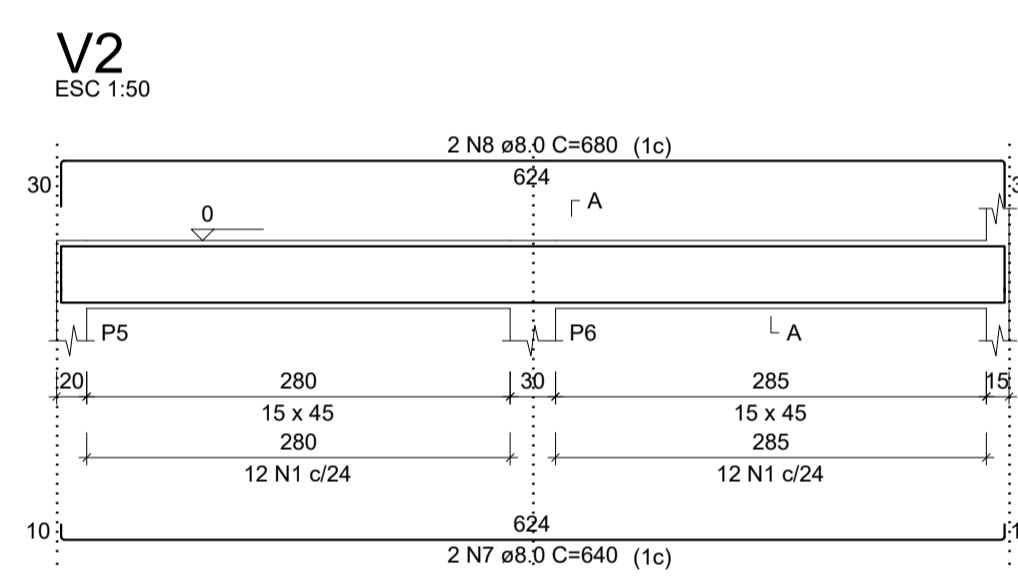
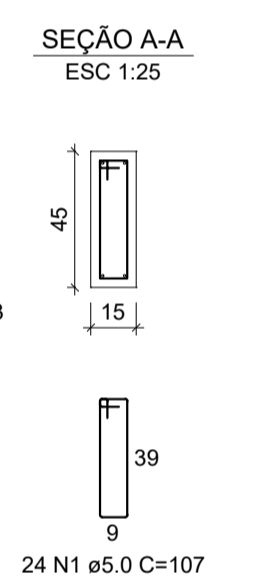
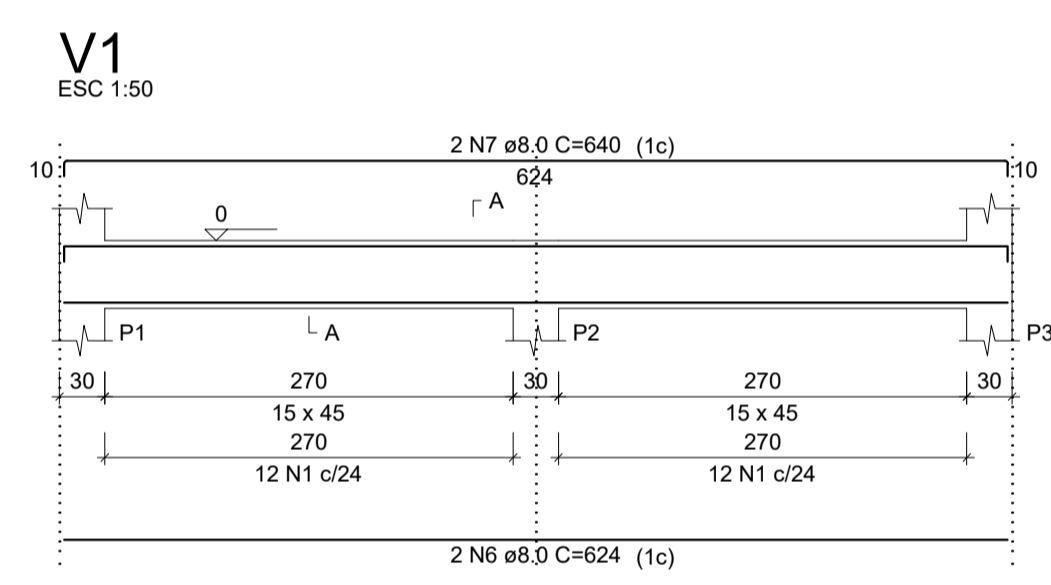
RELAÇÃO DO AÇO

Volume de concreto (C-25) = 3.77 m³  
Área de forma = 0.00 m²

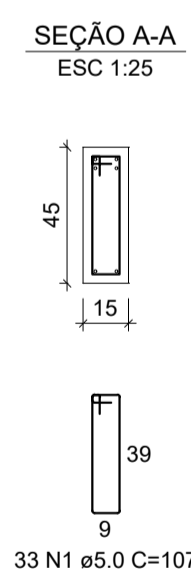
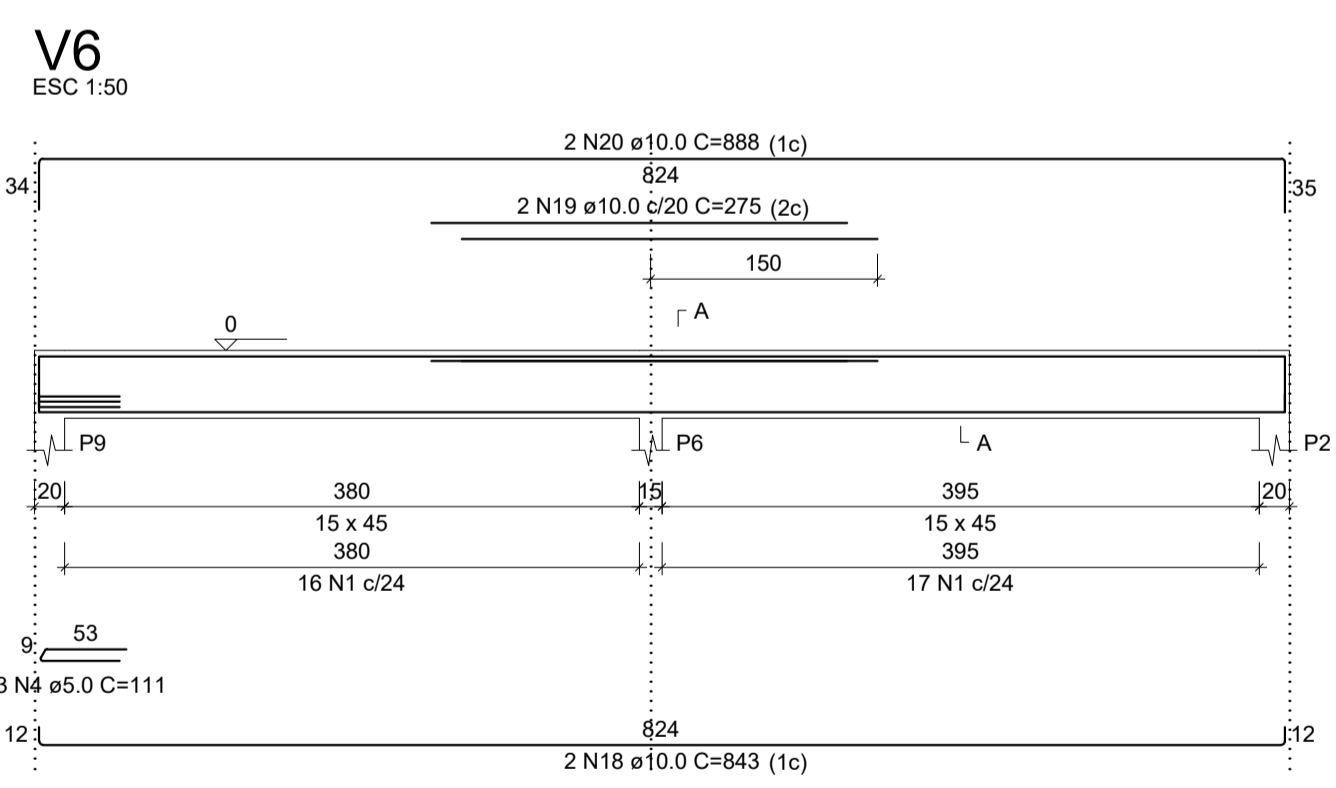
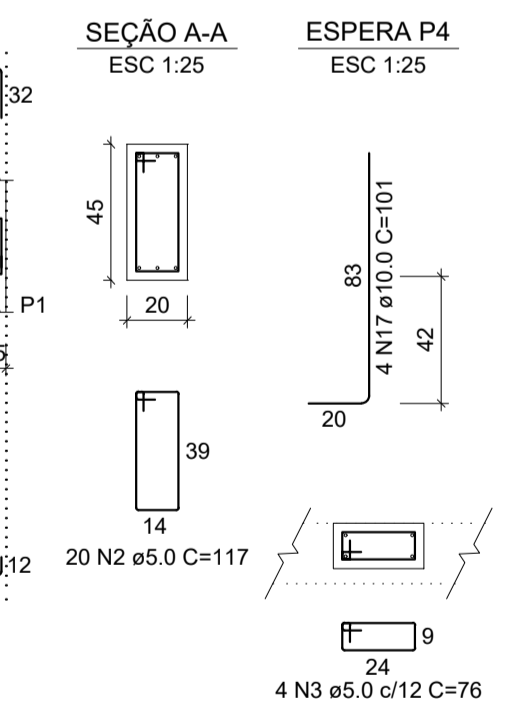
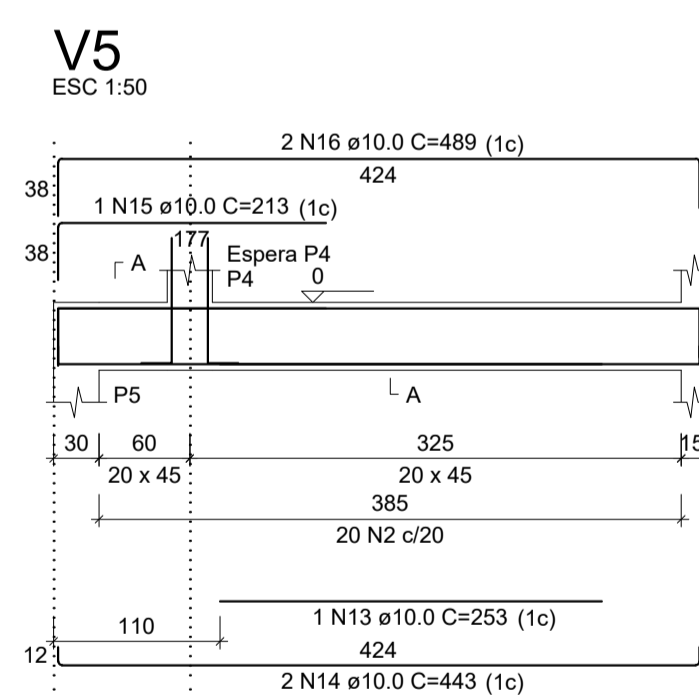
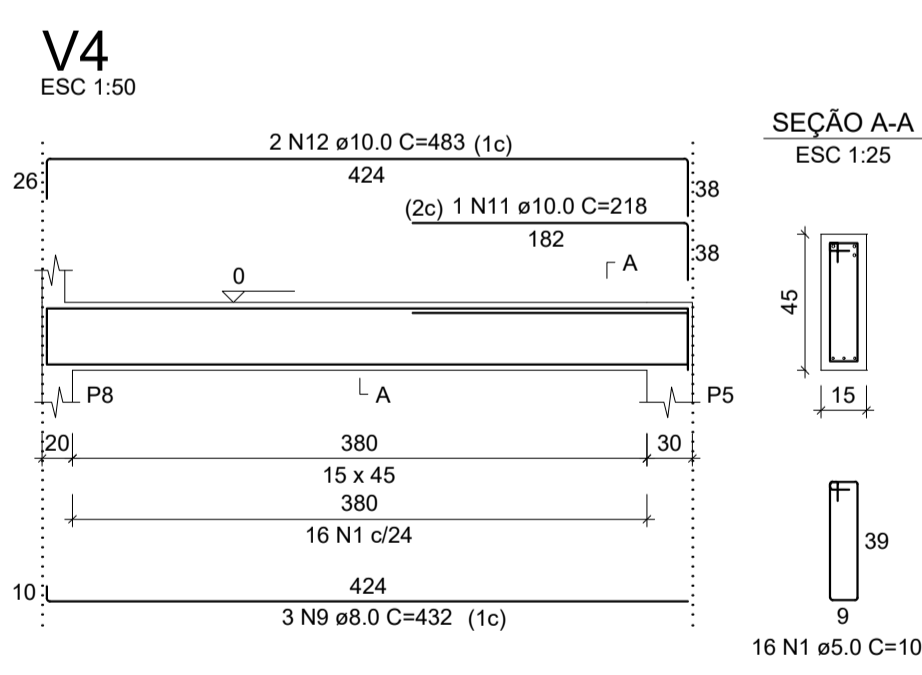


Forma do pavimento Térreo (Nível 0) escala 1:50

Direção lajes Térreo escala 1:50  
Planta de vigas pré-moldadas escala 1:50

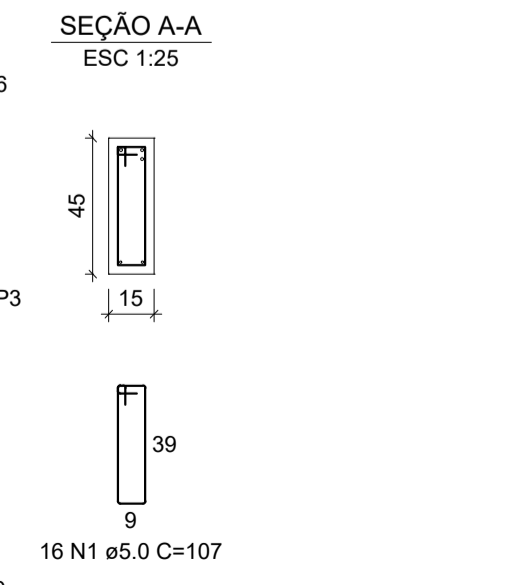
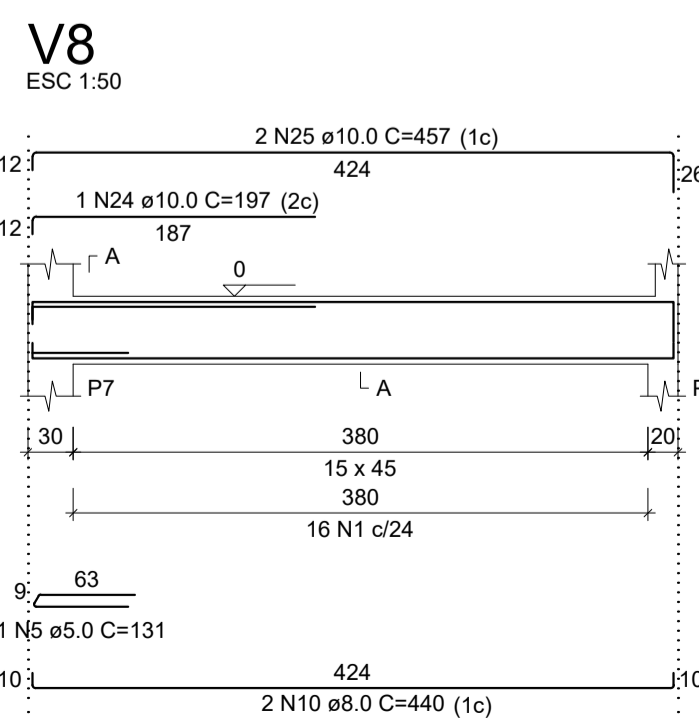
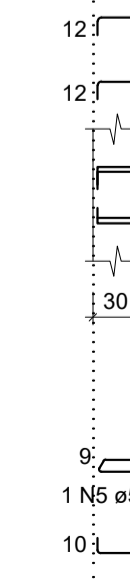
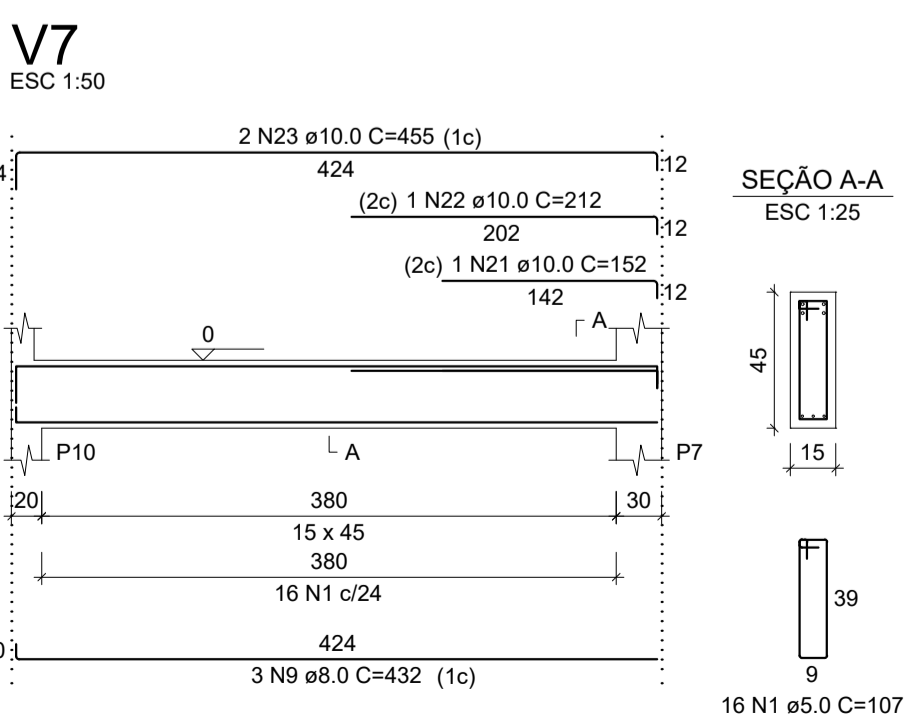


RELAÇÃO DO AÇO					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	153	107	16371
	2	5.0	20	117	2340
	3	5.0	4	76	304
	4	5.0	3	111	333
CA50	5	5.0	1	131	131
	6	8.0	4	624	2496
	7	8.0	6	640	3840
	8	8.0	2	680	1360
	9	8.0	6	432	2592
	10	8.0	2	440	880
	11	10.0	1	218	218
	12	10.0	2	483	966
	13	10.0	1	253	253
	14	10.0	2	443	886
	15	10.0	1	213	213
	16	10.0	2	489	978
17	10.0	4	101	404	
18	10.0	2	843	1686	
19	10.0	2	275	550	
20	10.0	2	888	1776	
21	10.0	1	152	152	
22	10.0	1	212	212	
23	10.0	2	455	910	
24	10.0	1	197	197	
25	10.0	2	457	914	



RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	111.7	48.5
CA60	10.0	103.2	70
CA60	5.0	194.8	33
<b>PESO TOTAL (kg)</b>			
CA50		118.4	
CA60		33	

Volume de concreto (C-25) = 3.09 m³  
Área de forma = 46.84 m²



**PROJETO ESTRUTURAL  
AMPLIAÇÃO - SALA DE AULA**

Rua Pedro Hugo do Amaral Netto, nº 385 / Bairro Parque Residencial Capistrano / Bom Retiro - SC

<b>ENDEREÇO:</b> Rua Pedro Hugo do Amaral Netto, acesso frente Rua Frederico Deucher, sem nº Bairro Capistrano - Bom Retiro - SC		<b>PARA USO DA PREFEITURA:</b>
<b>PROPRIETÁRIO:</b> Prefeitura Municipal de Bom Retiro - SC		
<b>ÁREA:</b> 52,29m²	<b>OBRA:</b> Sala de Aula Projeto de Ampliação Núcleo Municipal Henrique Hemkmaier	<b>02</b> <b>03</b>
<b>PRANCHA:</b>	<b>CONTEÚDO:</b> Forma Térreo Laje Térreo Vigas Térreo	
<b>ESCALA:</b> Indicada	<b>PROPRIETÁRIO:</b> Prefeitura Municipal de Bom Retiro - CNPJ: 82.777.343/0001-21	<b>DATA:</b> Julho/2021 <b>RESPONSÁVEL TÉCNICO:</b>
Arquiteto e Urbanista Randal Robson Becker CAU/SC A 61214-6		