

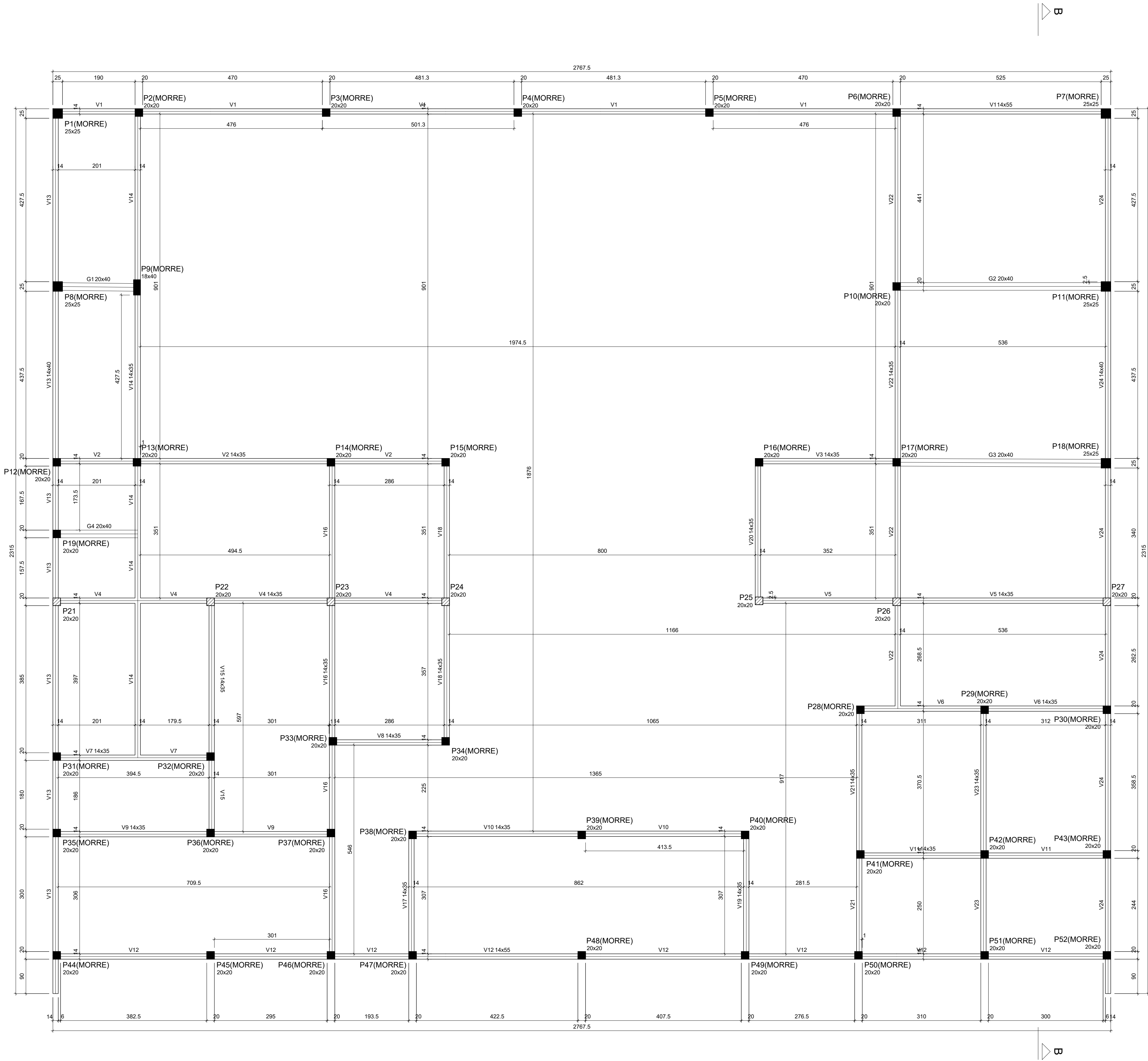
Vigas		
Nome	Seção (cm)	Elevação (cm)
VM1	W410x38.8	-105
VM2	W410x38.8	-105 / -330
VM3	W410x38.8	-105 / -330
VM4	W410x38.8	-105 / -330
VM5	W410x38.8	-105 / -330
VM6	W410x38.8	-105 / -330
VM7	W410x38.8	-105 / -330
VM8	W410x38.8	-105 / -330
VM9	W410x38.8	-105 / -330
VM10	W410x38.8	-105 / -330
VM11	W410x38.8	-105 / -330
VM12	W410x38.8	-105 / -330
VM13	W410x38.8	-105 / -330
VM14	W410x38.8	-105 / -330
VM15	W410x38.8	-105 / -330
VM16	W410x38.8	-105 / -330
VM17	W410x38.8	-105 / -330

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

Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P21	20x20	-105	565
P22	20x20	-105	565
P23	20x20	-105	565
P24	20x20	-105	565
P25	20x20	-105	565
P26	20x20	-105	565
P27	20x20	-105	565

Legenda dos pilares	
<div></div>	Pilar que morre

Forma do pavimento COBERTURA (Nível 670)  
escala 1:50



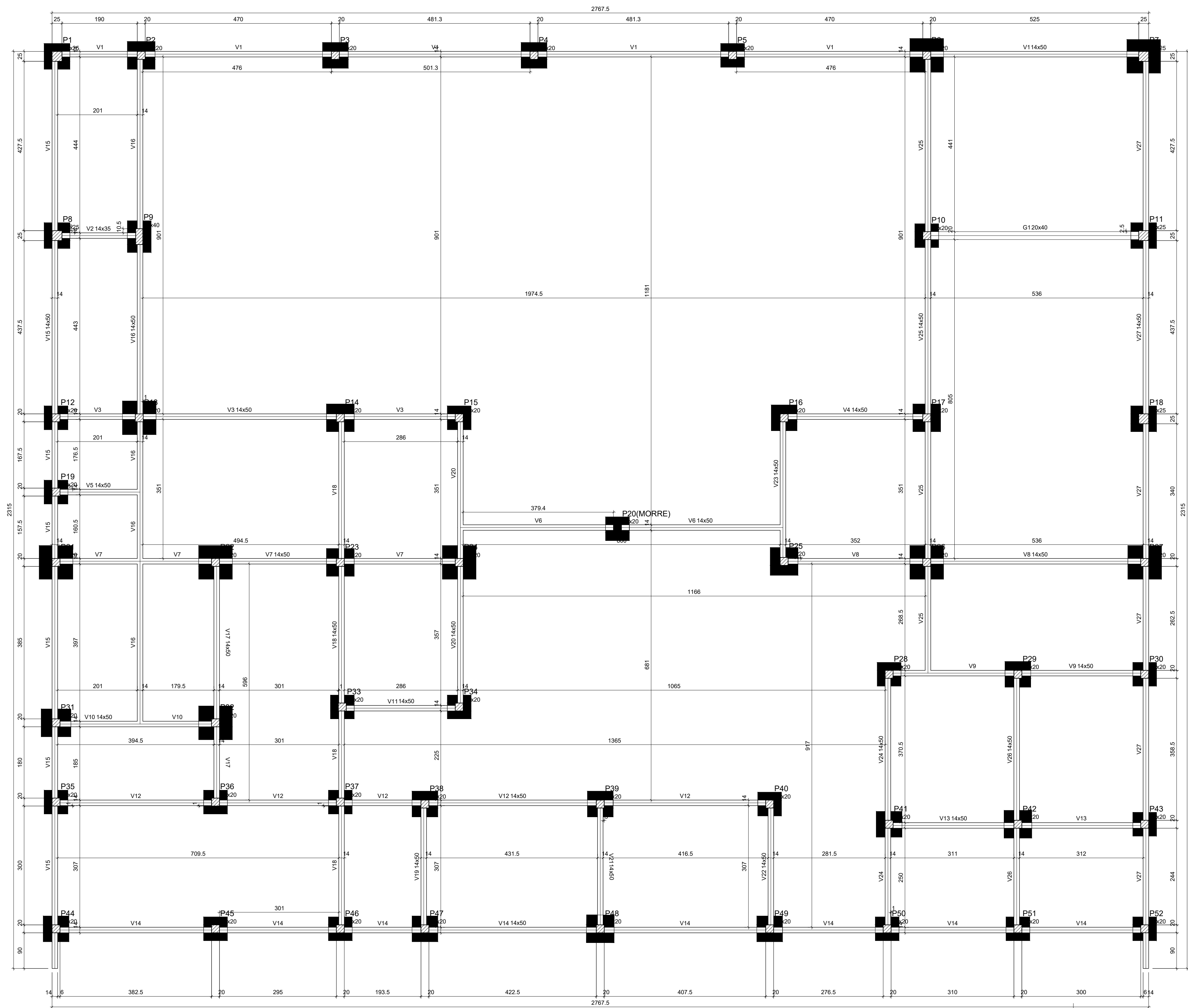
Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
G1	20x40	0	340
G2	20x40	0	340
G3	20x40	0	340
G4	20x40	0	340
V1	14x55	0	340
V2	14x35	0	340
V3	14x35	0	340
V4	14x35	0	340
V5	14x35	0	340
V6	14x35	0	340
V7	14x35	0	340
V8	14x35	0	340
V9	14x35	0	340
V10	14x35	0	340
V11	14x35	0	340
V12	14x55	0	340
V13	14x40	0	340
V14	14x35	0	340
V15	14x35	0	340
V16	14x35	0	340
V17	14x35	0	340
V18	14x35	0	340
V19	14x35	0	340
V20	14x35	0	340
V21	14x35	0	340
V22	14x35	0	340
V23	14x35	0	340
V24	14x40	0	340

Características dos materiais		
Íck	Ecs	
250	241500	

Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	25x25	0	340
P2	20x20	0	340
P3	20x20	0	340
P4	20x20	0	340
P5	20x20	0	340
P6	20x20	0	340
P7	25x25	0	340
P8	25x25	0	340
P9	18x40	0	340
P10	20x20	0	340
P11	25x25	0	340
P12	20x20	0	340
P13	20x20	0	340
P14	20x20	0	340
P15	20x20	0	340
P16	20x20	0	340
P17	20x20	0	340
P18	25x25	0	340
P19	20x20	0	340
P20	20x20	0	340
P21	20x20	0	340
P22	20x20	0	340
P23	20x20	0	340
P24	20x20	0	340
P25	20x20	0	340
P26	20x20	0	340
P27	20x20	0	340
P28	20x20	0	340
P29	20x20	0	340
P30	20x20	0	340
P31	20x20	0	340
P32	20x20	0	340
P33	20x20	0	340
P34	20x20	0	340
P35	20x20	0	340
P36	20x20	0	340
P37	20x20	0	340
P38	20x20	0	340
P39	20x20	0	340
P40	20x20	0	340
P41	20x20	0	340
P42	20x20	0	340
P43	20x20	0	340
P44	20x20	0	340
P45	20x20	0	340
P46	20x20	0	340
P47	20x20	0	340
P48	20x20	0	340
P49	20x20	0	340
P50	20x20	0	340
P51	20x20	0	340
P52	20x20	0	340

Legenda dos pilares	
	Pilar que morre
	Pilar que passa

Forma do pavimento 1 PAVIMENTO (Nível 340)  
escala 1:50



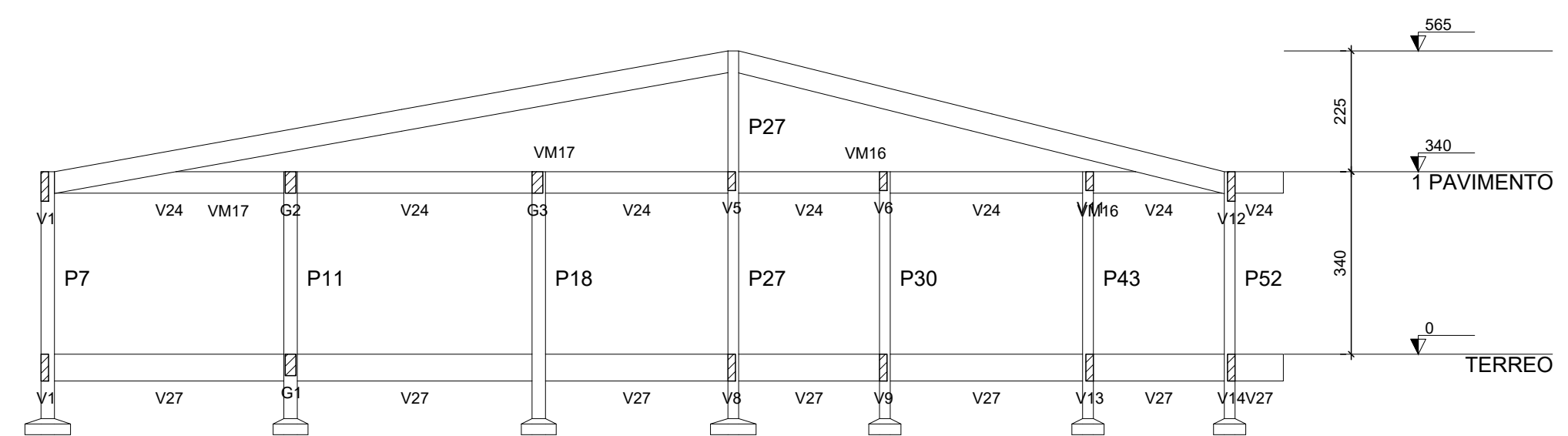
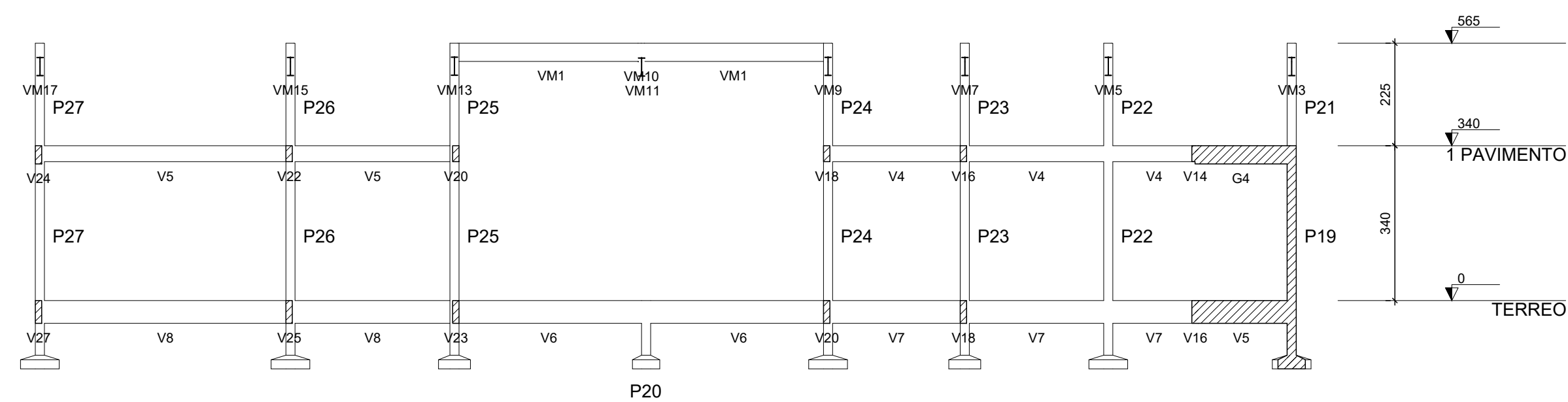
Nome	Vigas		
	Seção (cm)	Elevação (cm)	Nível (cm)
G1	20x40	0	0
V1	14x50	0	0
V2	14x35	0	0
V3	14x50	0	0
V4	14x50	0	0
V5	14x50	0	0
V6	14x50	0	0
V7	14x50	0	0
V8	14x50	0	0
V9	14x50	0	0
V10	14x50	0	0
V11	14x50	0	0
V12	14x50	0	0
V13	14x50	0	0
V14	14x50	0	0
V15	14x50	0	0
V16	14x50	0	0
V17	14x50	0	0
V18	14x50	0	0
V19	14x50	0	0
V20	14x50	0	0
V21	14x50	0	0
V22	14x50	0	0
V23	14x50	0	0
V24	14x50	0	0
V25	14x50	0	0
V26	14x50	0	0
V27	14x50	0	0

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

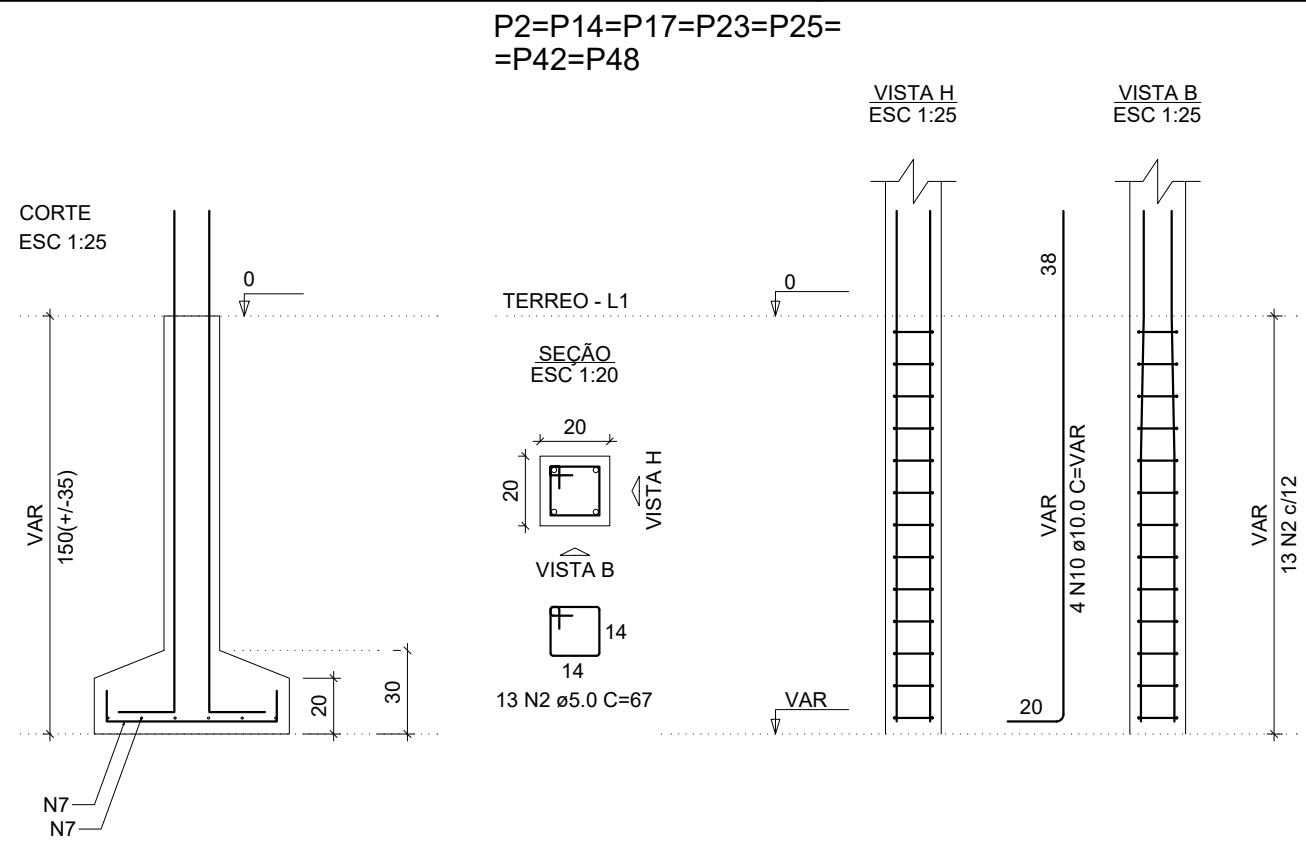
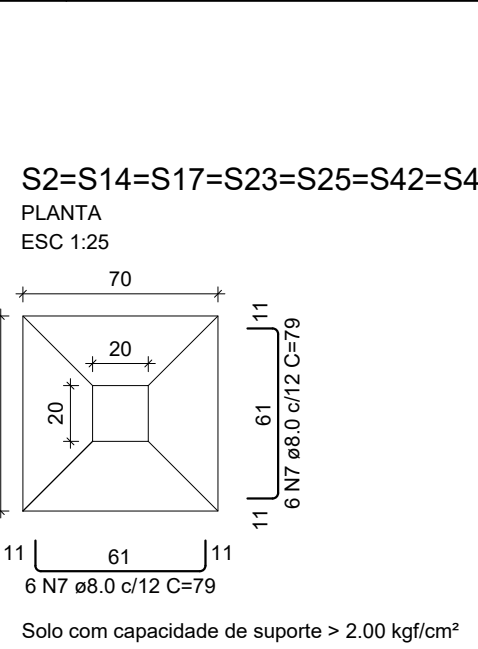
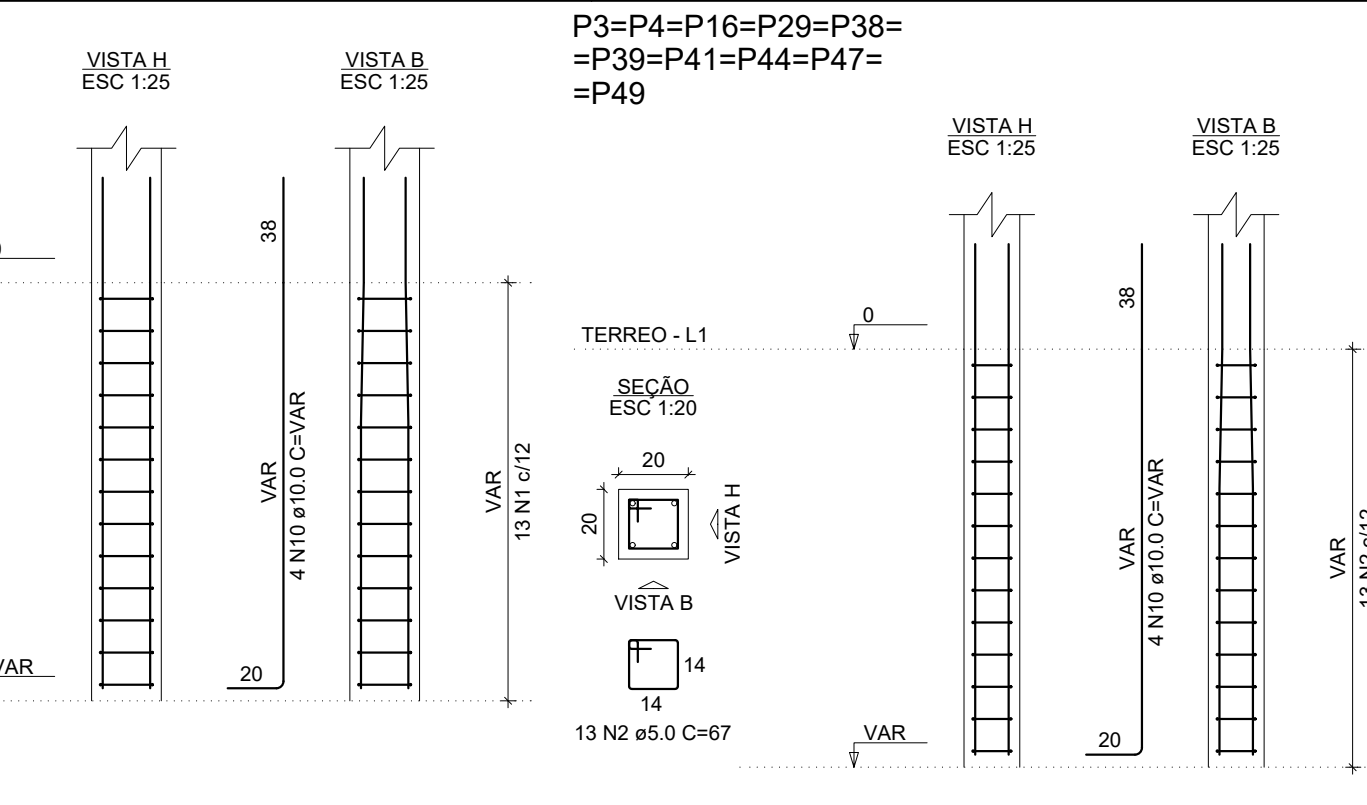
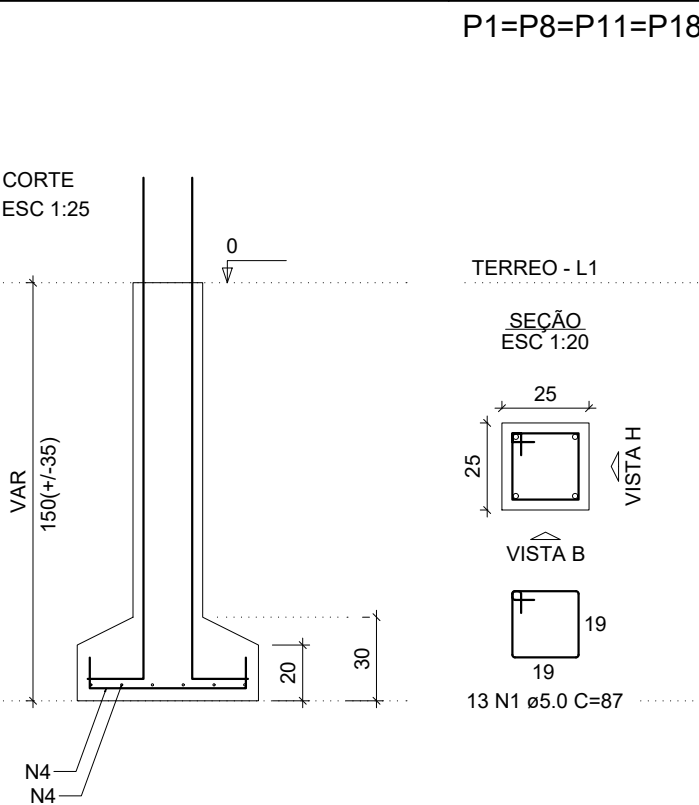
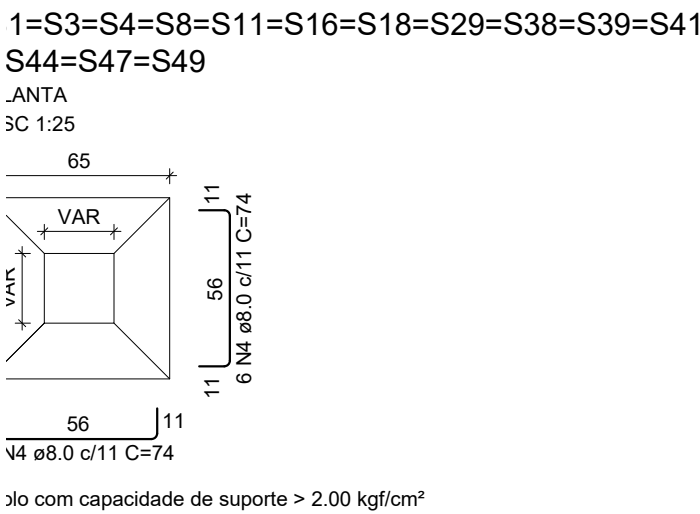
Nome	Pilares		
	Seção (cm)	Elevação (cm)	Nível (cm)
P1	25x25	0	0
P2	20x20	0	0
P3	20x20	0	0
P4	20x20	0	0
P5	20x20	0	0
P6	20x20	0	0
P7	25x25	0	0
P8	25x25	0	0
P9	18x40	0	0
P10	20x20	0	0
P11	25x25	0	0
P12	20x20	0	0
P13	20x20	0	0
P14	20x20	0	0
P15	20x20	0	0
P16	20x20	0	0
P17	20x20	0	0
P18	25x25	0	0
P19	20x20	0	0
P20	20x20	0	0
P21	20x20	0	0
P22	20x20	0	0
P23	20x20	0	0
P24	20x20	0	0
P25	20x20	0	0
P26	20x20	0	0
P27	20x20	0	0
P28	20x20	0	0
P29	20x20	0	0
P30	20x20	0	0
P31	20x20	0	0
P32	20x20	0	0
P33	20x20	0	0
P34	20x20	0	0
P35	20x20	0	0
P36	20x20	0	0
P37	20x20	0	0
P38	20x20	0	0
P39	20x20	0	0
P40	20x20	0	0
P41	20x20	0	0
P42	20x20	0	0
P43	20x20	0	0
P44	20x20	0	0
P45	20x20	0	0
P46	20x20	0	0
P47	20x20	0	0
P48	20x20	0	0
P49	20x20	0	0
P50	20x20	0	0
P51	20x20	0	0
P52	20x20	0	0

Legenda dos pilares	
	Pilar que morre
	Pilar que passa

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



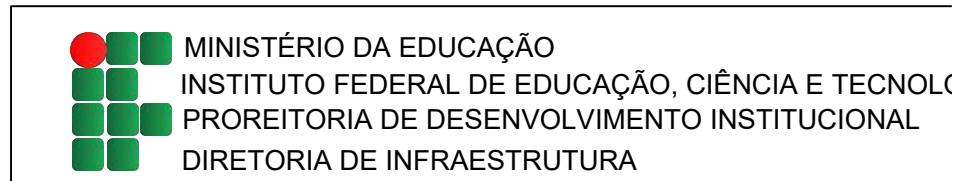
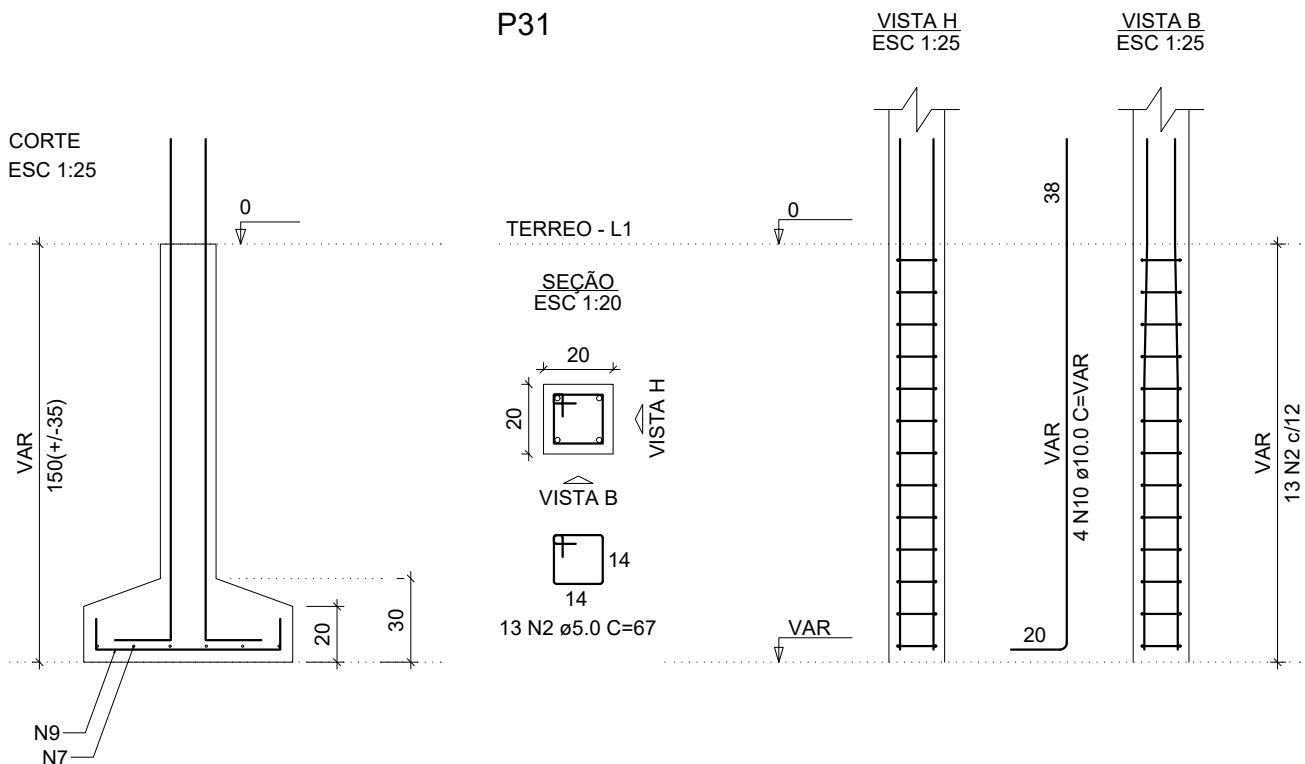
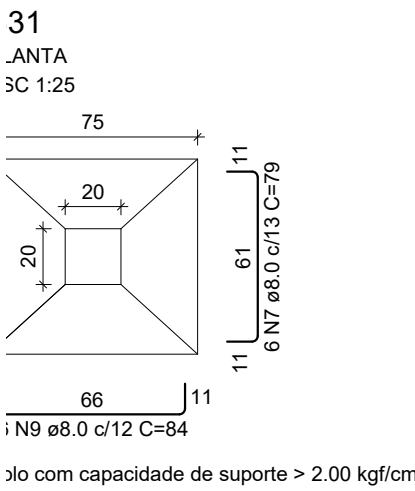
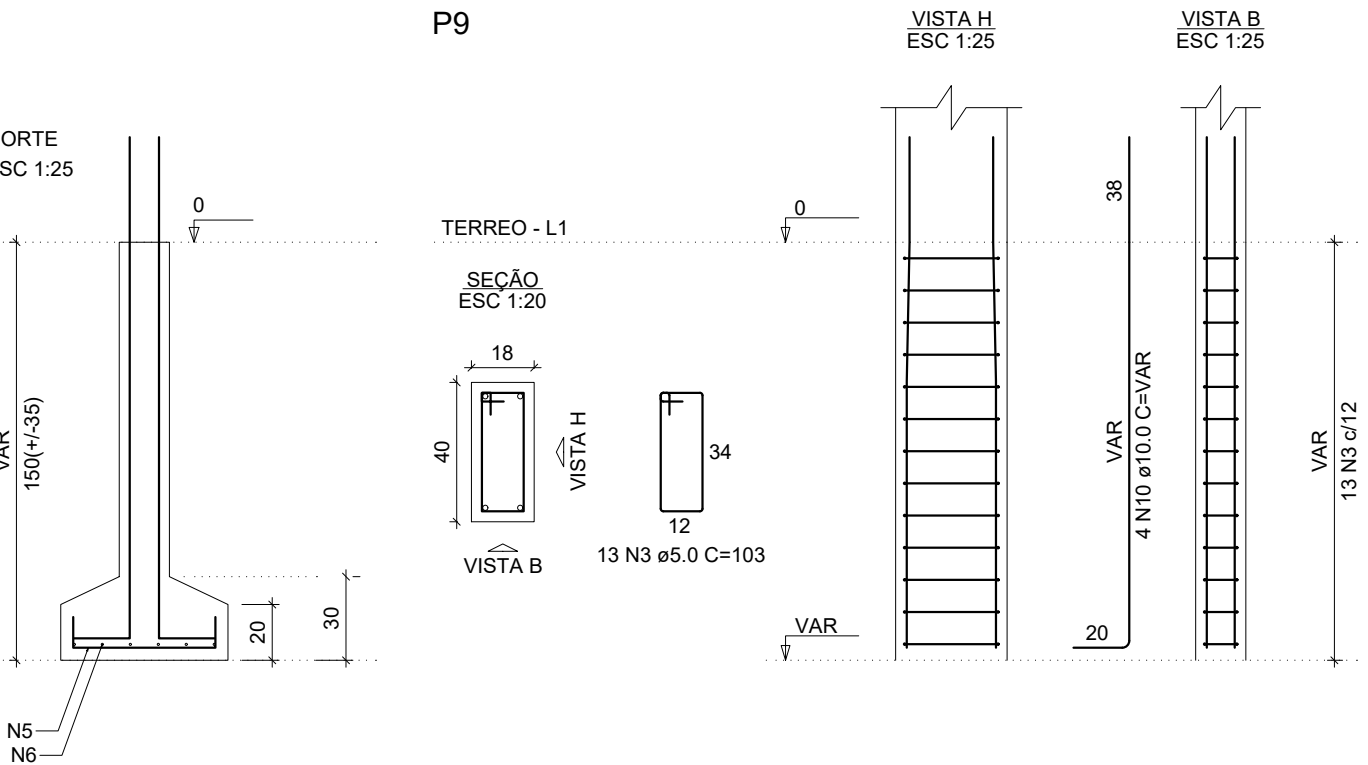
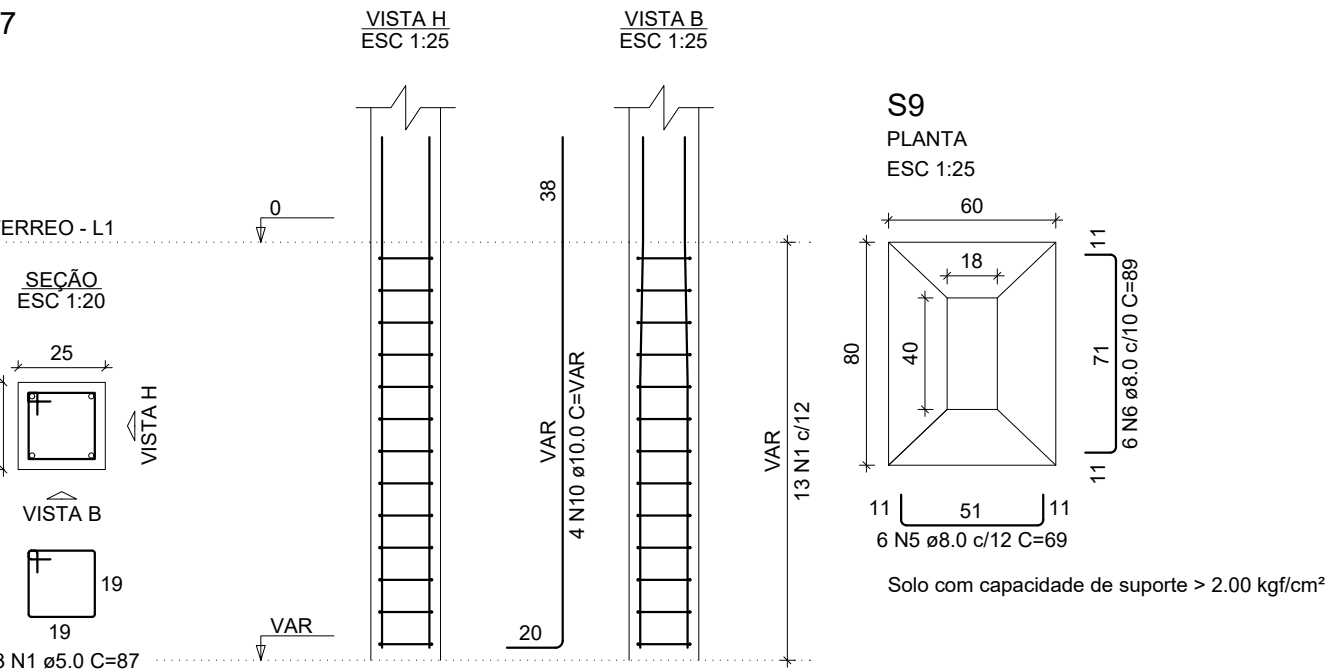
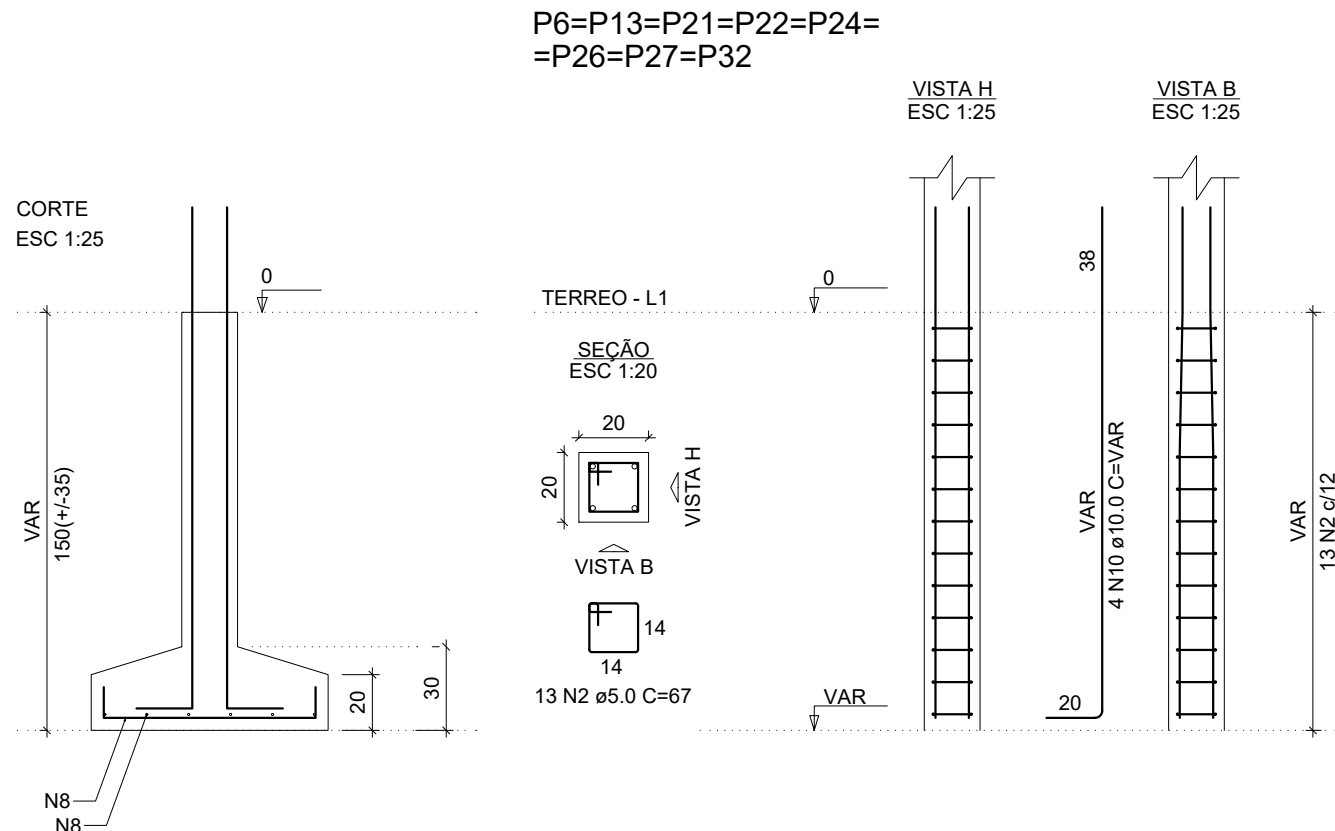
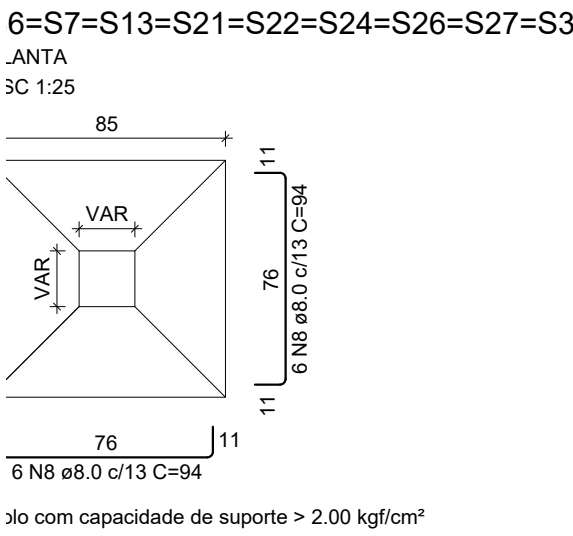
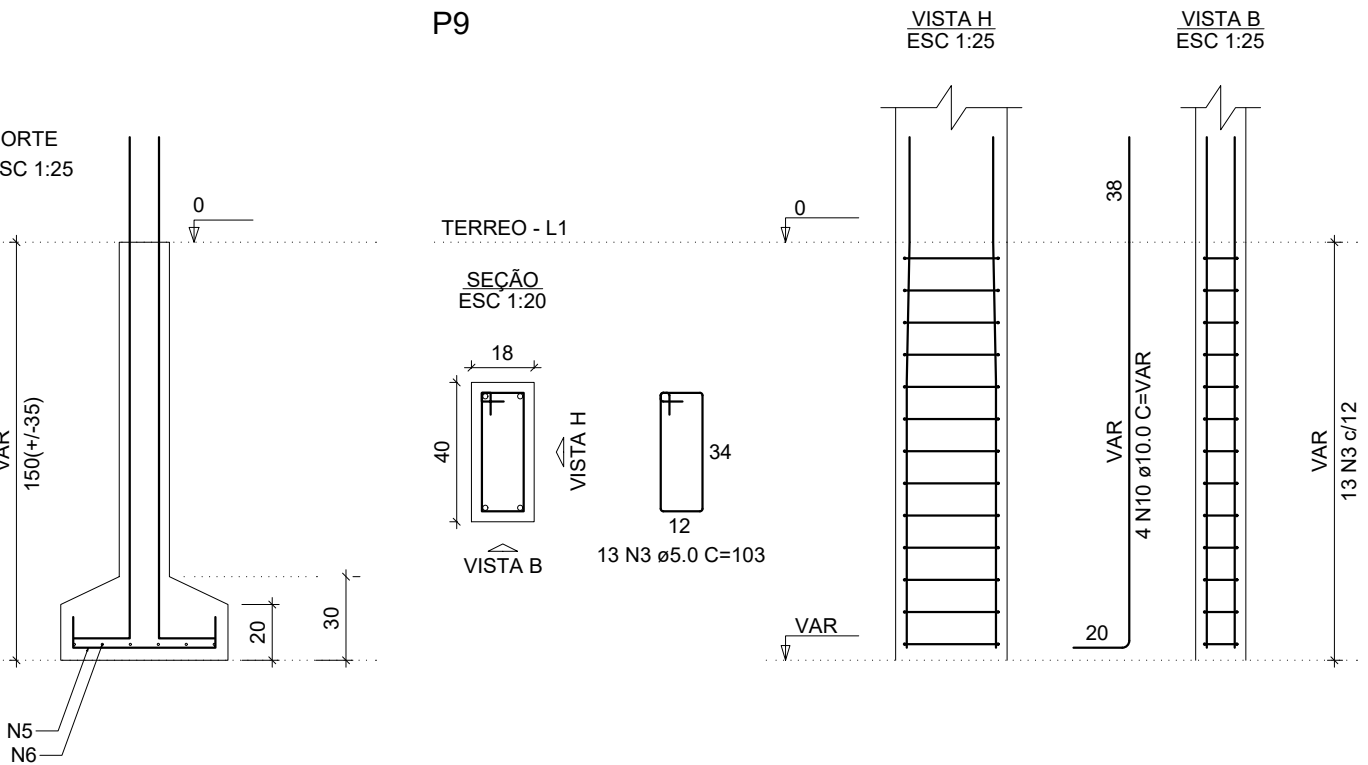
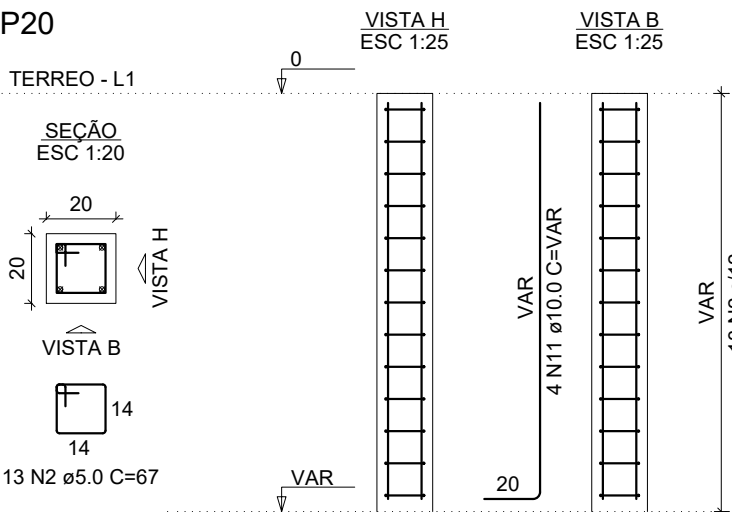
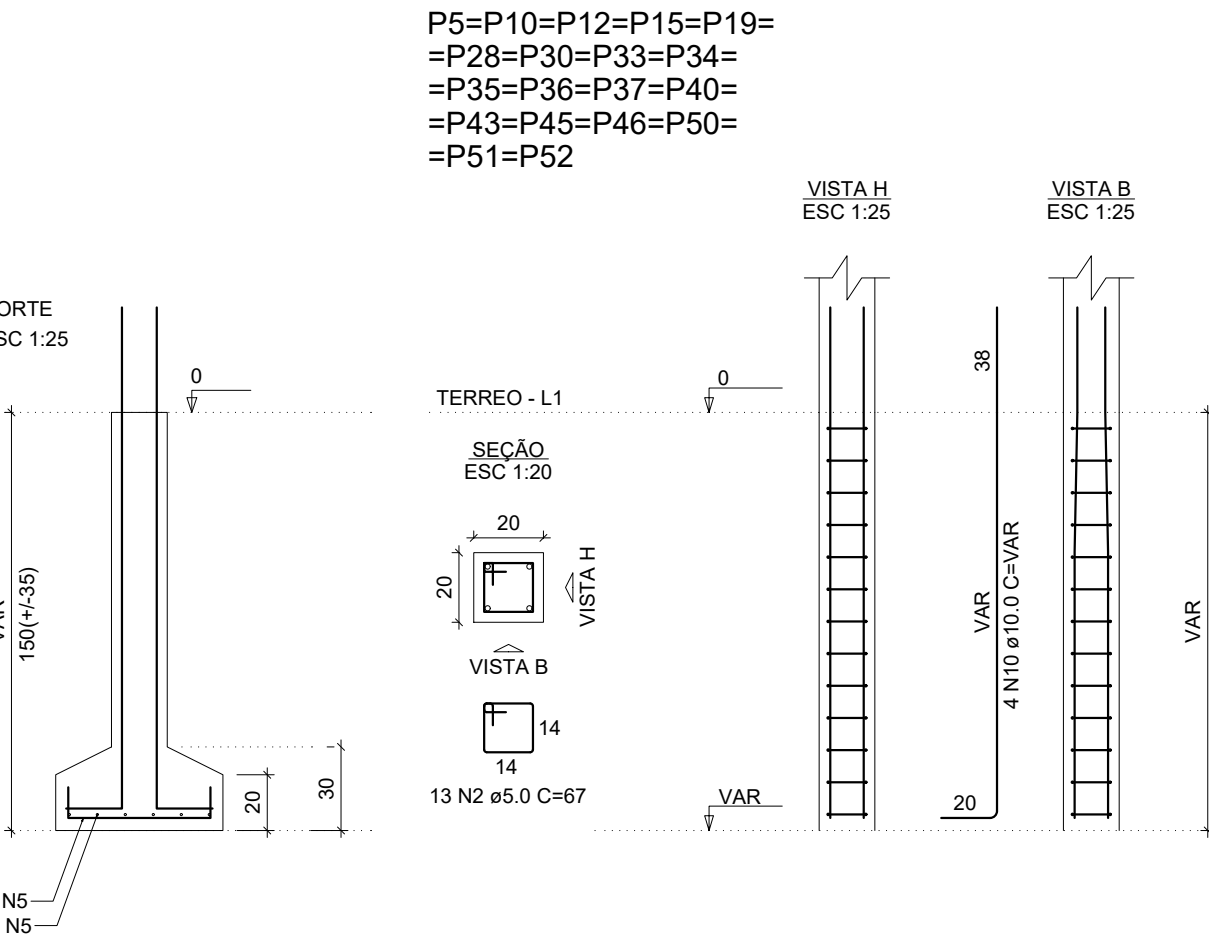
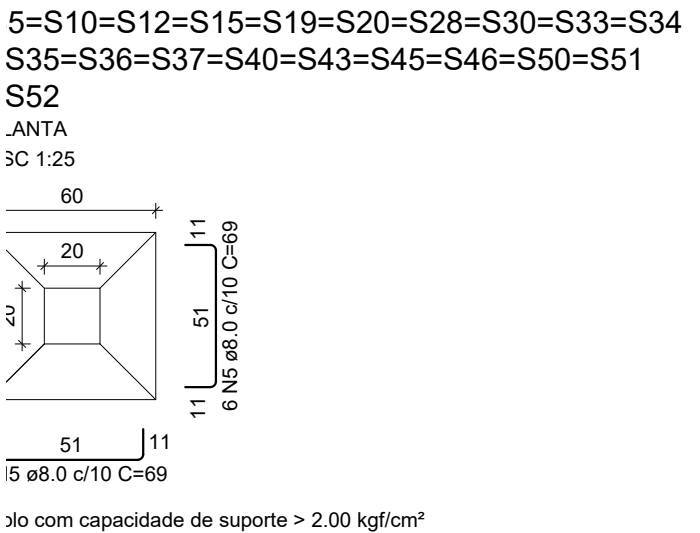
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<h2 style="margin: 0;">PROJETO EXECUTIVO ESTRUTURAL</h2>			
APROVAÇÃO CORPO DE BOMBEIROS          		APROVAÇÃO PREFEITURA MUNICIPAL          	
RESPONSÁVEL TÉCNICO          		INSTITUTO FEDERAL DO PIAUÍ          	
Outra: <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <b>CONSTRUÇÃO CAMPUS 2024</b> </div>		Endereço: <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div>	
Conteúdo da prancha: <b>XXXXXXXX</b>			
Responsável Técnico:			
Op. de CAD:	Data:	Escala: indicada	Revisão: <b>FINAL</b>



RELAÇÃO DO AÇO				
AÇO	N	DIAM (mm)	QUANT	C.L (c)
4xP1	1	5.0	85	
19xP5	2	5.0	598	
P9	3	5.0	13	
14xS1	4	8.0	168	
7xS14	5	8.0	246	
	6	8.0	6	
	7	8.0	90	
	8	8.0	108	
	9	8.0	6	
	10	10.0	204	
	11	10.0	4	

RESUMO DO AÇO		
AÇO	DIAM (mm)	C.TOTAL (m)
CA50	8.0	477.1
CA60	10.0	418.5
CA60	5.0	470.6
PESO TOTAL (kg)		
CA50		490.9
CA60		79.8

Volume de concreto (C-25) = 8.61 m³  
Área de forma = 79.61 m²



## PROJETO EXECUTIVO ESTRUTURAL

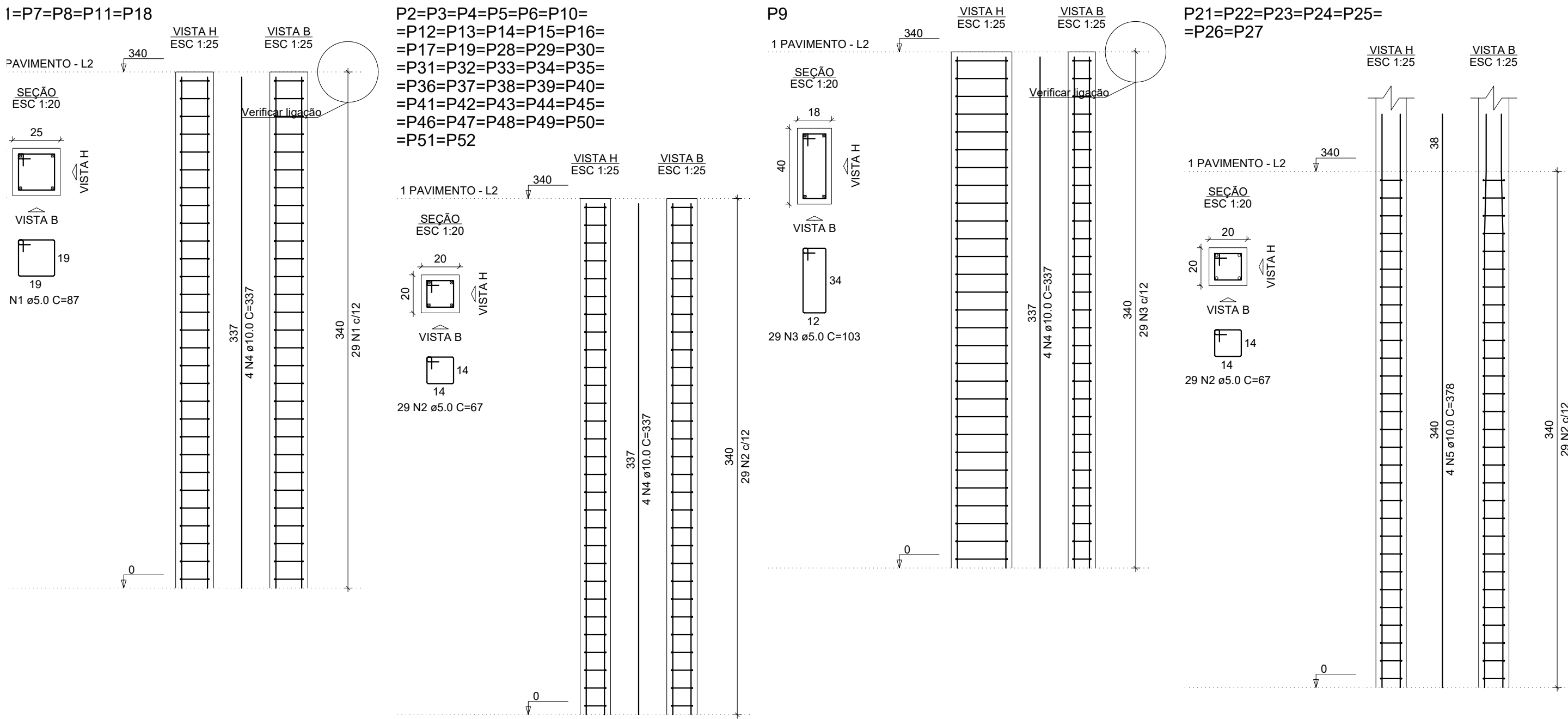
APROVAÇÃO CORPO DE BOMBEIROS:	APROVAÇÃO PREFEITURA MUNICIPAL:

RESPONSÁVEL TÉCNICO:	INSTITUTO FEDERAL DO PAULI

Obra:	Endereço:
CONSTRUÇÃO CAMPUS 2024	

Conteúdo da prancha:	XXXXXXX
Responsável Técnico:	

Op. de CAD:	Data:	Escala:	Revisão:
		indicada	FINA

5xP1  
7xP21

38xP2

RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT
CA60	1	5.0	145
	2	5.0	1305
	3	5.0	29
CA50	4	10.0	176
	5	10.0	28

RESUMO DO AÇO


AÇO	DIAM (mm)	C.TOTAL (m)
CA50	10.0	699
CA60	5.0	1030.4

PESO TOTAL (kg)

CA50	474
CA60	174.7

Volume de concreto (C-25) = 7.43 m³

Área de forma = 143.34 m²

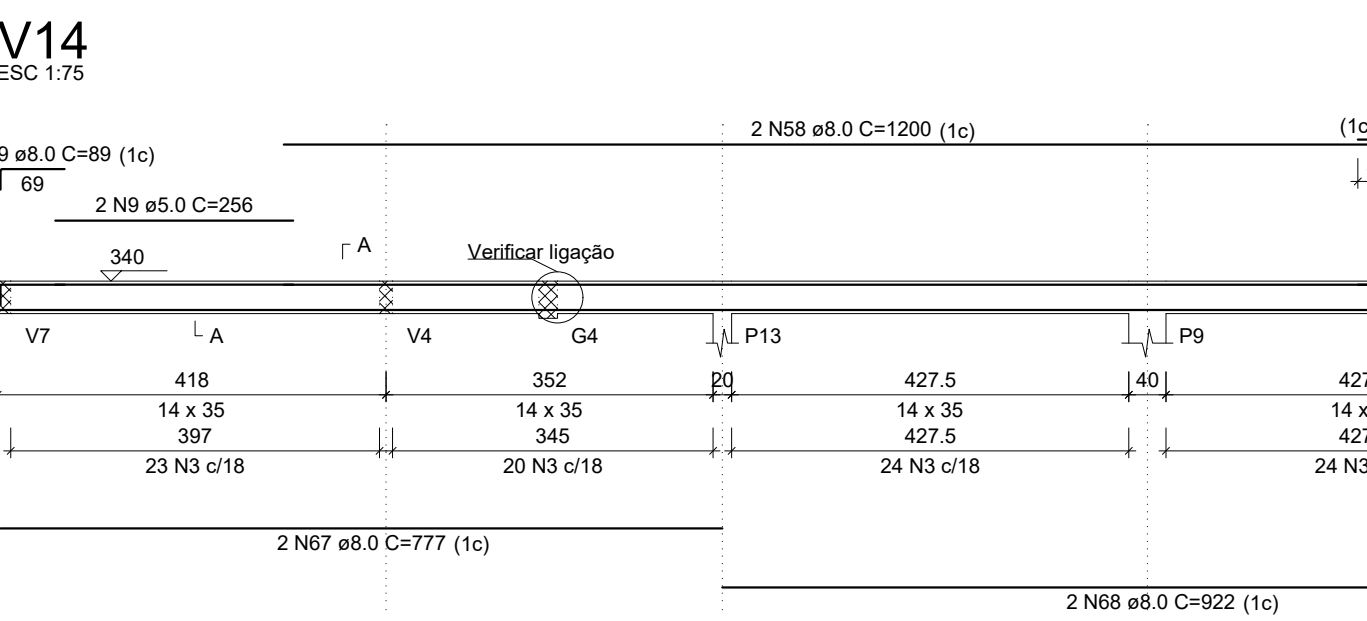
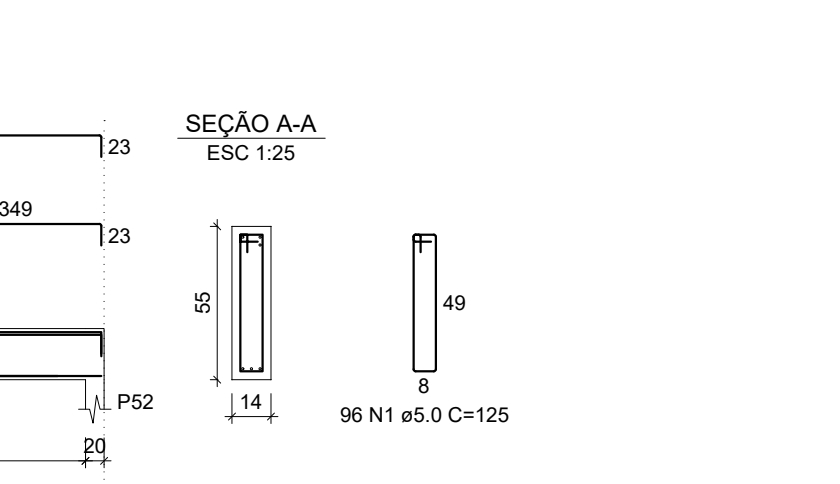
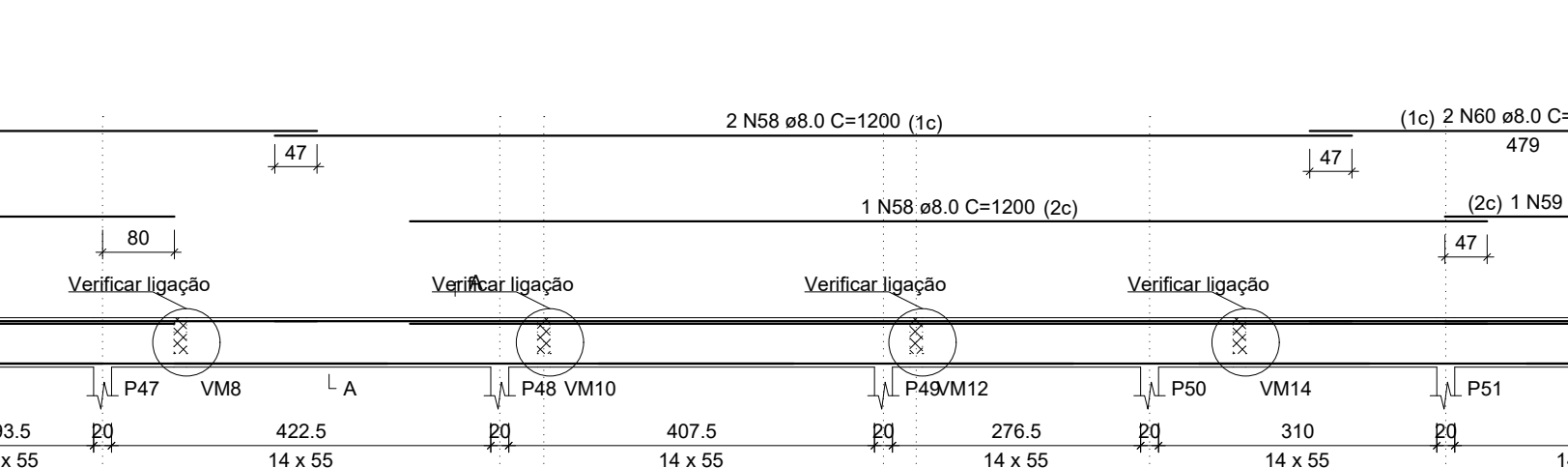
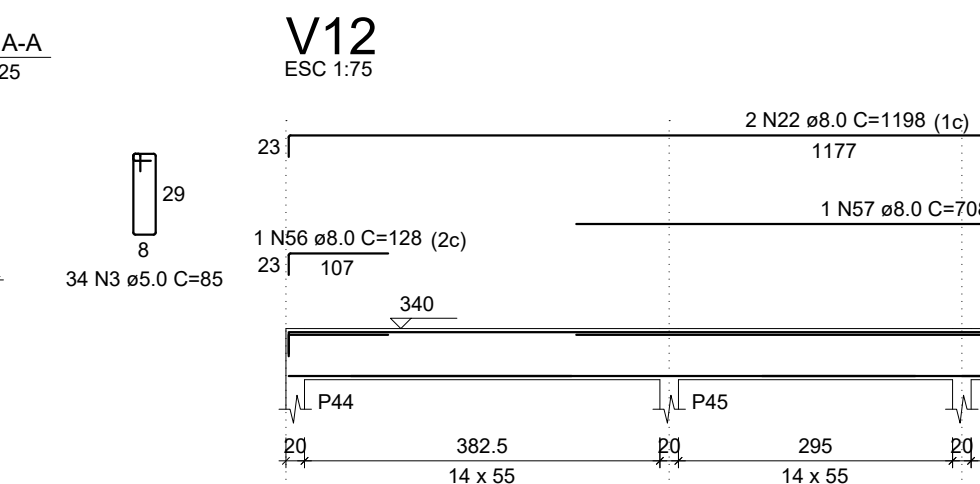
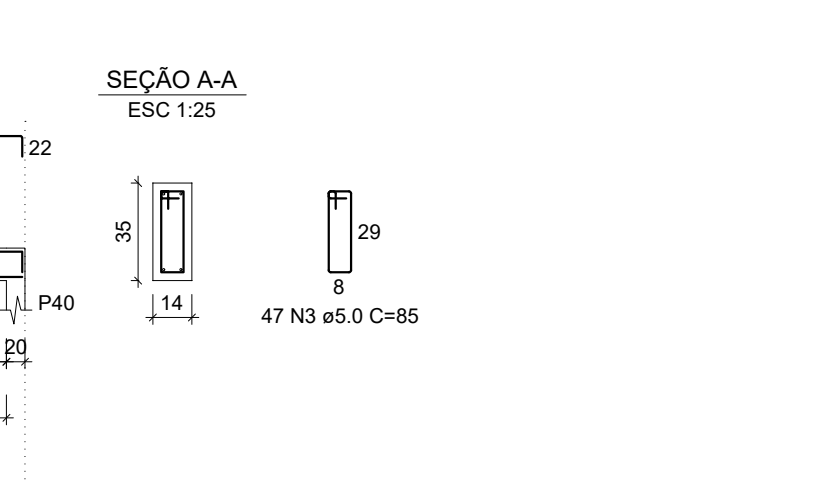
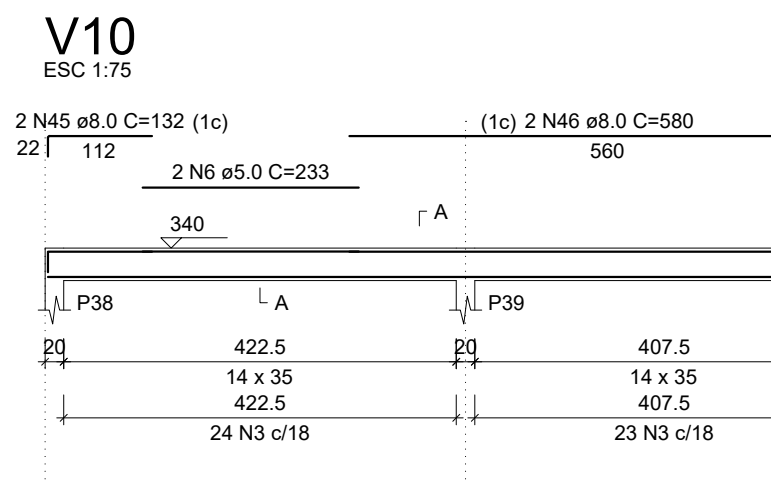
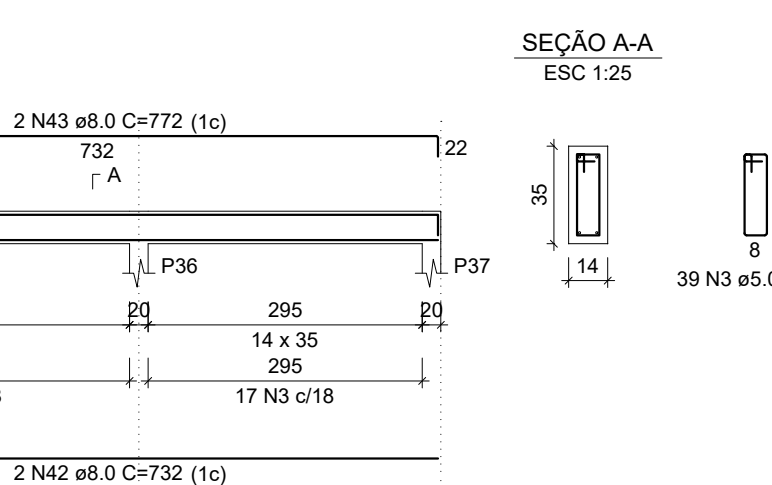
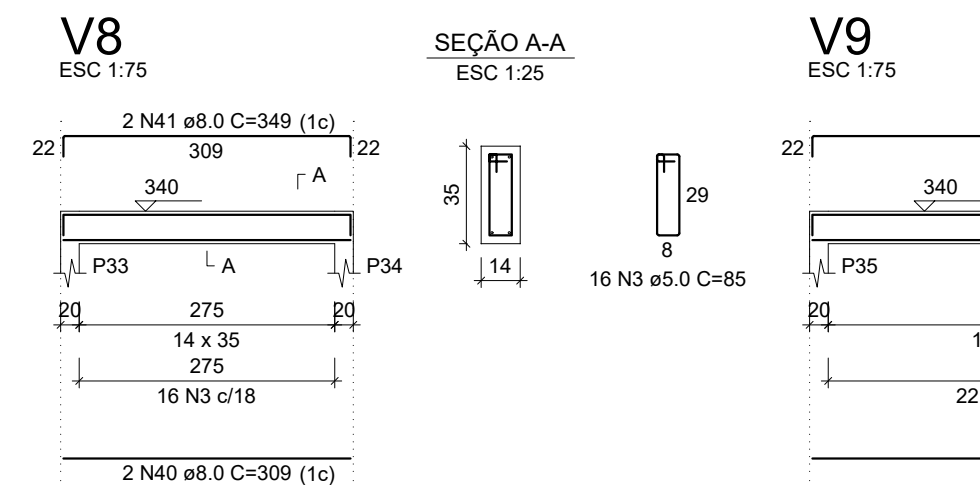
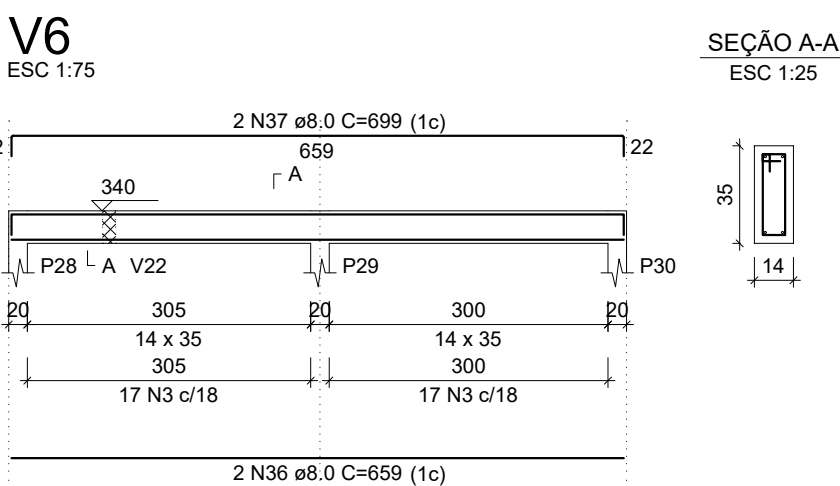
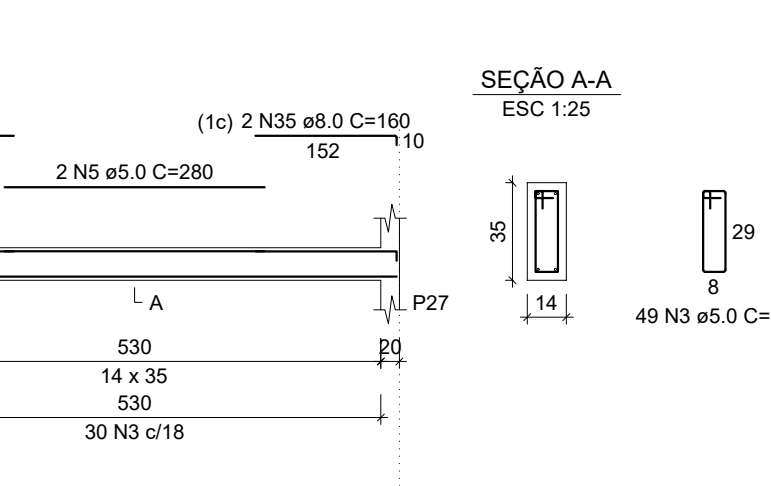
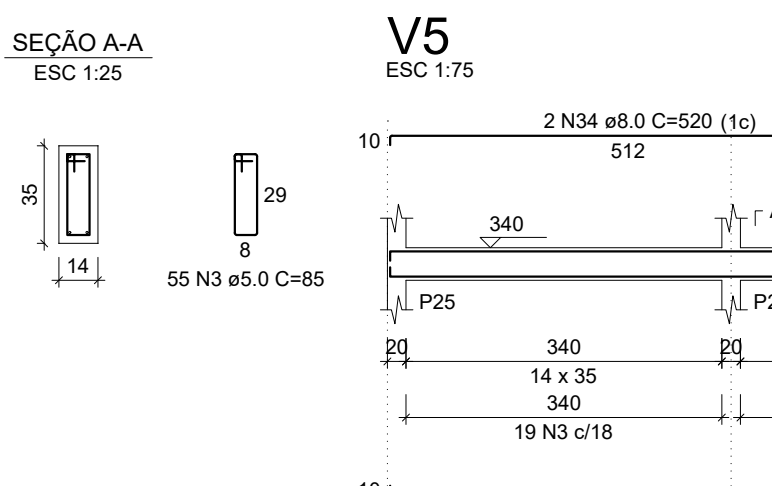
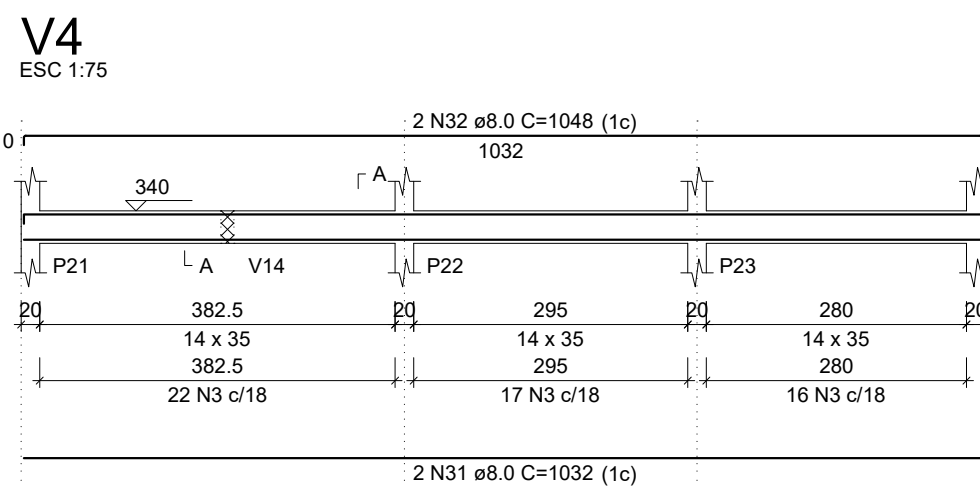
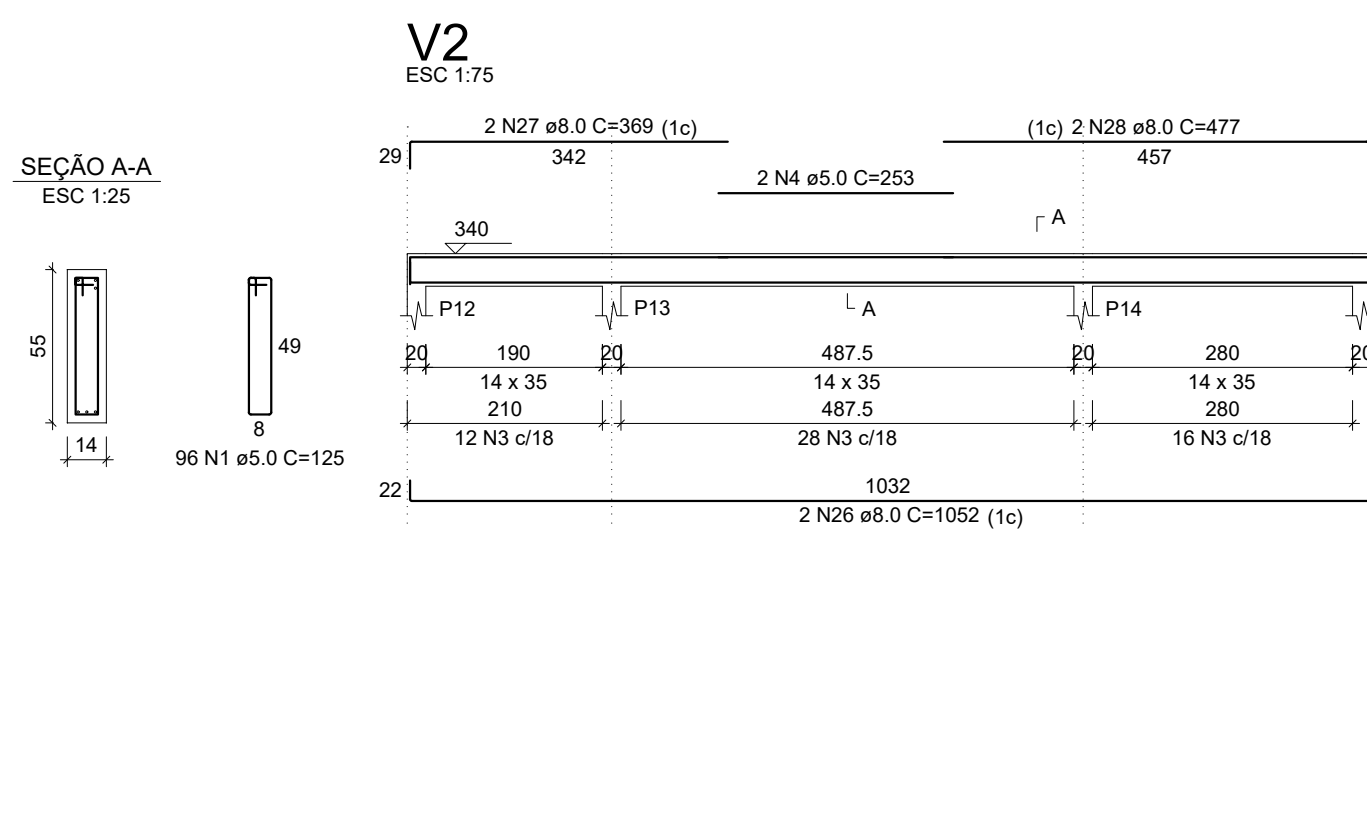


MINISTÉRIO DA EDUCAÇÃO  
INSTITUTO FEDERAL DE EDUCAÇÃO, CIÊNCIA E TECNOLO  
PROREITORIA DE DESENVOLVIMENTO INSTITUCIONAL  
DIRETORIA DE INFRAESTRUTURA

PROJETO EXECUTIVO ESTRUTURAL

APROVAÇÃO CORPO DE BOMBEIROS	APROVAÇÃO PREFEITURA MUNICIPAL
<div></div>	<div></div>
RESPONSÁVEL TÉCNICO	INSTITUTO FEDERAL DO PAUÍ
<div></div>	<div></div>
Outs: CONSTRUÇÃO CAMPUS 2024	Endereço:

Conteúdo da prancha: XXXXXXXX			
Responsável Técnico:			
Op. de CAD:	Data:	Escala: indicada	Revisão: FINAL

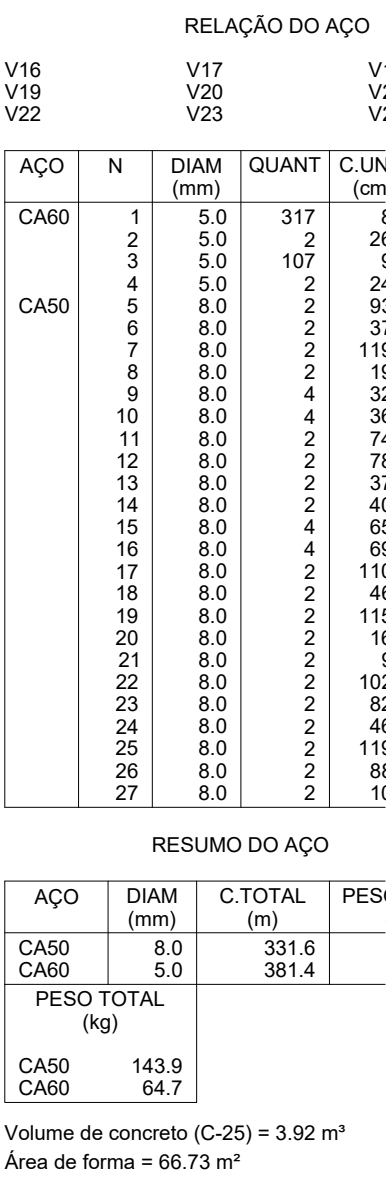


RELAÇÃO DO				
	V1	V2		
	V4	V8		
	V10	V14		
	V15	V16		
ACO	N	DIAM (mm)	QUANT	
CA60	1	5,0	192	2
	2	5,0	2	
	3	5,0	485	2
	4	5,0	4	
	5	5,0	2	
	6	5,0	2	
	7	5,0	106	2
	8	5,0	2	
	9	5,0	2	
	10	5,0	1	
CA50	11	8,0	1	
	12	8,0	2	
	13	8,0	1	
	14	8,0	1	
	15	8,0	2	
	16	8,0	1	
	17	8,0	1	
	18	8,0	2	
	19	8,0	1	
	20	8,0	1	
CA20	21	8,0	3	
	22	8,0	4	
	23	8,0	2	
	24	8,0	3	
	25	8,0	2	
	26	8,0	2	
	27	8,0	2	
	28	8,0	2	
	29	8,0	2	
	30	8,0	2	
CA10	31	8,0	2	
	32	8,0	2	
	33	8,0	2	
	34	8,0	2	
	35	8,0	2	
	36	8,0	2	
	37	8,0	2	
	38	8,0	2	
	39	8,0	2	
	40	8,0	2	
CA8	41	8,0	2	
	42	8,0	2	
	43	8,0	2	
	44	8,0	2	
	45	8,0	2	
	46	8,0	2	
	47	8,0	2	
	48	8,0	2	
	49	8,0	2	
	50	8,0	2	
CA4	51	8,0	1	
	52	8,0	1	
	53	8,0	2	
	54	8,0	2	
	55	8,0	2	
	56	8,0	1	
	57	8,0	1	
	58	8,0	5	
	59	8,0	1	
	60	8,0	2	
CA3	61	8,0	2	
	62	8,0	2	
	63	8,0	2	
	64	8,0	2	
	65	8,0	2	
	66	8,0	2	
	67	8,0	2	
	68	8,0	2	
	69	8,0	2	
	70	8,0	2	
CA2	71	8,0	2	
	72	8,0	2	

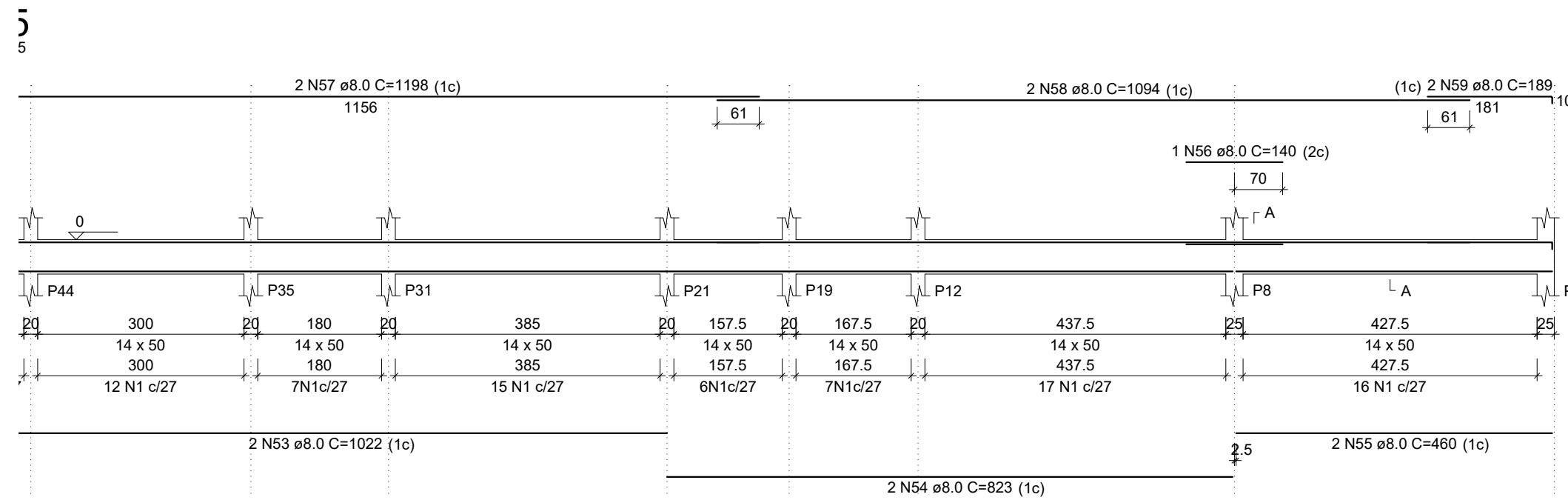
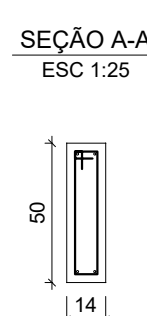
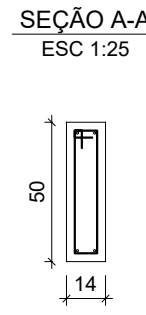
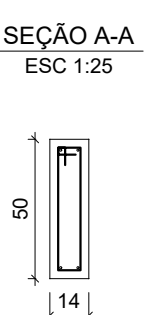
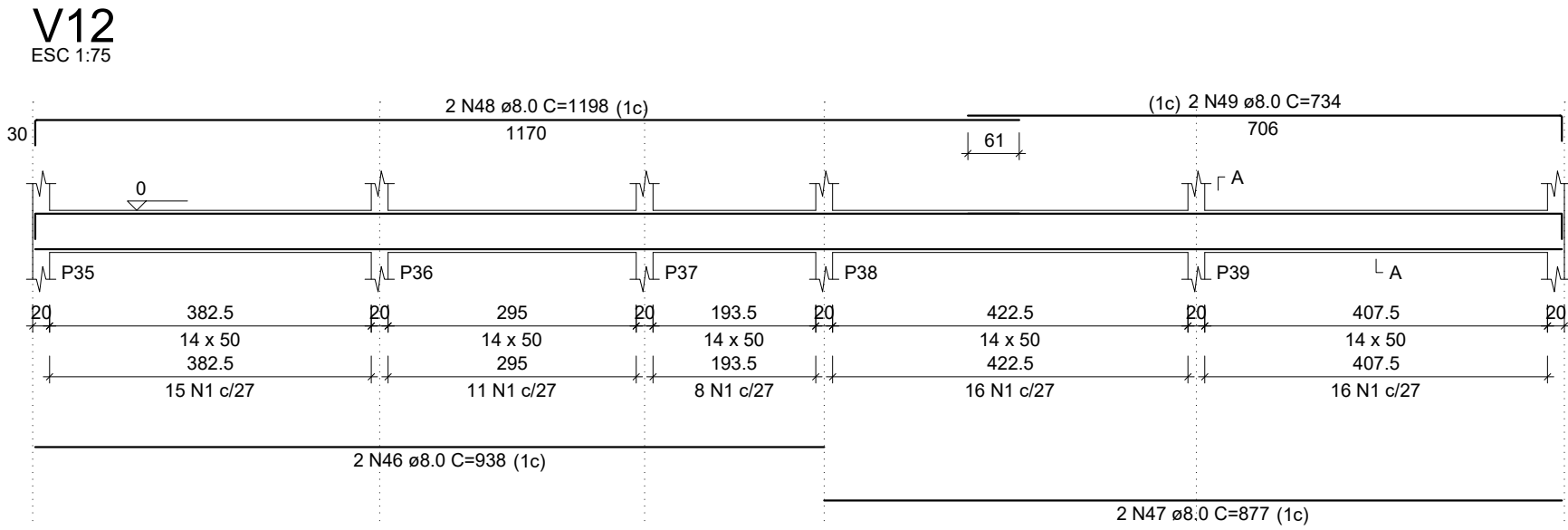
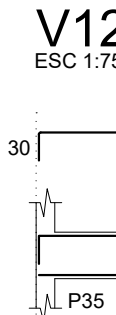
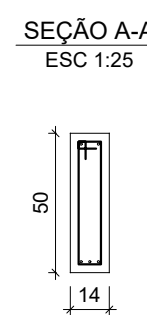
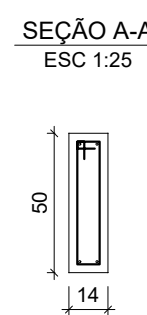
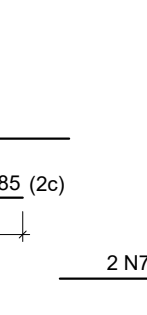
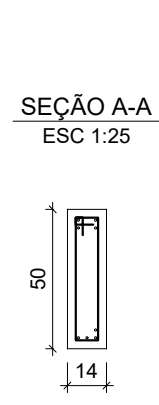
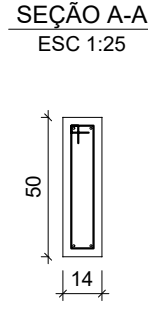
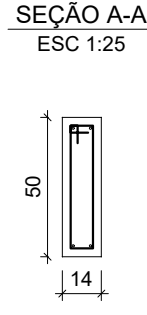
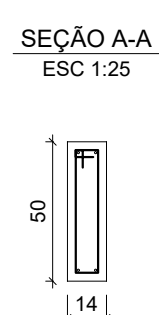
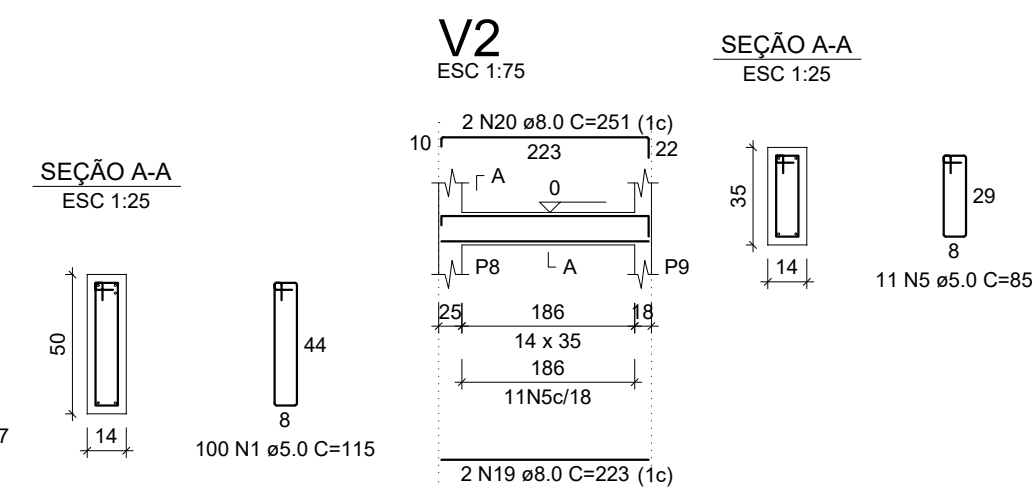
AÇO	DIAM (mm)	C.TOTAL (m)
CA50	8.0	742
CA60	5.0	792.3
PESO TOTAL (kg)		
CA50	322.1	
CA60	134.3	

Volume de concreto (C-25) = 9.46  
Área de forma = 157.64 m<sup>2</sup>





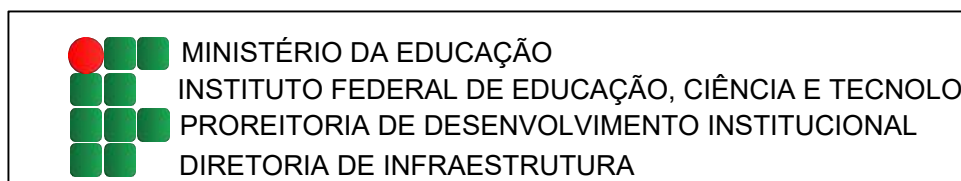




RELAÇÃO DO AÇO					
V1		V2		V3	
V4		V5		V6	
V7		V8		V9	
V10		V11		V12	
V13		V14		V15	
CAÇO	N	DIAM	QUNT	CUNIT	
CASO 0	3	5,0	584	115	115
	2	5,0	2	220	220
	3	5,0	2	221	221
	4	5,0	2	253	253
	5	5,0	11	85	85
	6	5,0	2	233	233
	7	5,0	2	270	270
	8	8,0	2	1003	2
	9	8,0	2	1047	2
	10	8,0	2	365	365
	11	8,0	1	190	1
	12	8,0	2	305	305
	13	8,0	2	175	175
	14	8,0	1	165	165
	15	8,0	2	187	187
	16	8,0	2	148	148
	17	8,0	2	231	231
	18	8,0	2	257	257
	19	8,0	2	1032	2
	20	8,0	2	375	375
	21	8,0	2	500	500
	22	8,0	2	274	274
	23	8,0	2	430	430
	24	8,0	2	230	230
	25	8,0	2	822	822
	26	8,0	2	293	293
	27	8,0	2	878	878
	28	8,0	1	198	198
	29	8,0	2	243	243
	30	8,0	2	1040	1040
	31	8,0	2	1088	1088
	32	8,0	2	624	624
	33	8,0	2	155	155
	34	8,0	2	180	180
	35	8,0	2	619	619
	36	8,0	2	734	734
	37	8,0	1	202	202
	38	8,0	2	476	476
	39	8,0	2	412	412
	40	8,0	2	365	365
	41	8,0	2	935	935
	42	8,0	2	977	977
	43	8,0	2	1198	1198
	44	8,0	2	734	734
	45	8,0	2	1167	1167
	46	8,0	2	627	627
	47	8,0	2	542	542
	48	8,0	2	1022	1022
	49	8,0	2	823	823
	50	8,0	2	460	460
	51	8,0	1	140	140
	52	8,0	2	1198	1198
	53	8,0	2	1094	1094
	54	8,0	2	189	189

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	675	
CA60	5.0	704.9	
PESO TOTAL (kg)			
CA50	293		
CA60	119.5		

Volume de concreto (C-25) = 10.62 m<sup>3</sup>  
Área de forma = 172.93 m<sup>2</sup>



## PROJETO EXECUTIVO ESTRUTURAL

APROVAÇÃO CORPO DE BOMBEIROS

APROVAÇÃO PREFEITURA MUNICIPAL

RESPONSÁVEL TÉCNICO

INSTITUTO FEDERAL DO PIAUÍ

Obra:

**CONSTRUÇÃO CAMPUS 2024**

100

#### Conteúdo da prancha

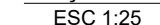
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Op. de CAD:

Data:	
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Escala:

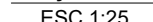
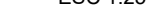
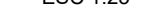
Revisão:  
**FINAL**



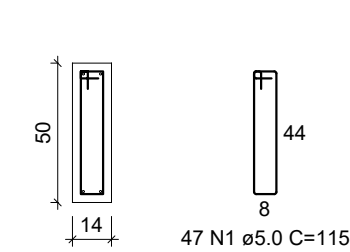
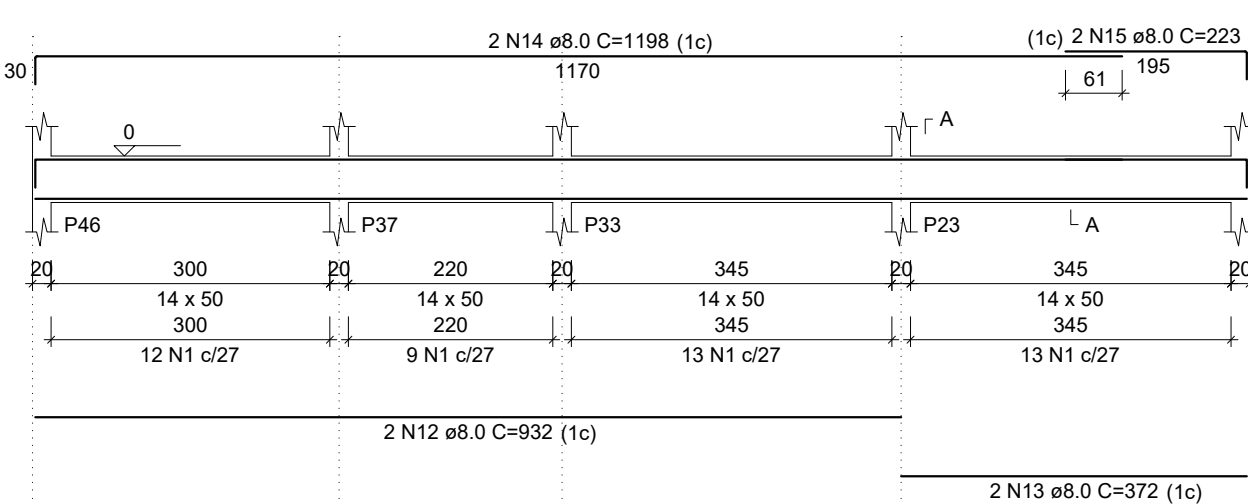
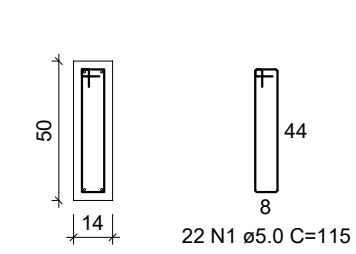
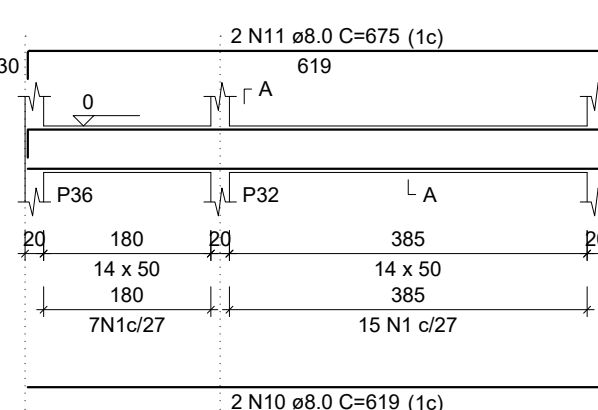
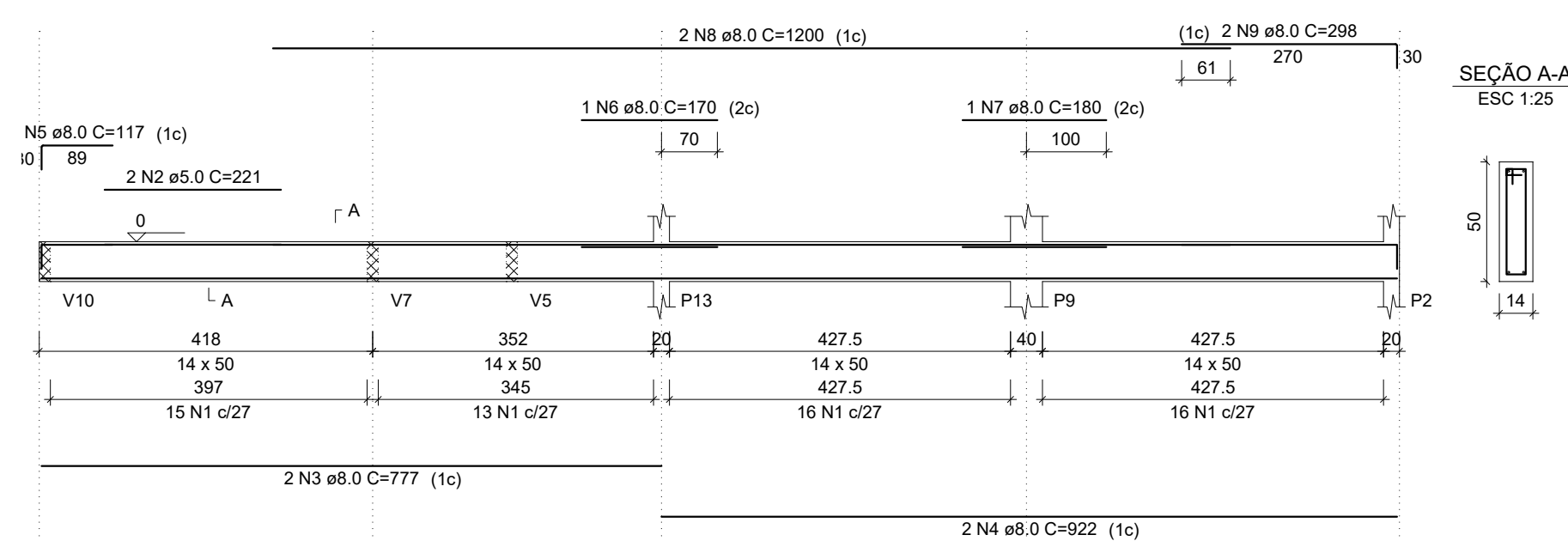
RELATÃO DO AÇO				
V16		V17		
V19		V20		
V22		V23		
V25		V26		
ACO	N	DIAM (mm)	QUANT	CUBIC (m³)
CA60	1	5.0	390	0.000
	2	5.0	2	0.000
	3	8.0	2	0.000
	4	8.0	2	0.000
	5	8.0	2	0.000
	6	8.0	1	0.000
	7	8.0	1	0.000
	8	8.0	2	0.000
	9	8.0	2	0.000
	10	8.0	2	0.000
CA50	11	8.0	2	0.000
	12	8.0	2	0.000
	13	8.0	2	0.000
	14	8.0	4	0.000
	15	8.0	4	0.000
	16	8.0	6	0.000
	17	8.0	6	0.000
	18	8.0	2	0.000
	19	8.0	2	0.000
	20	8.0	2	0.000
	21	8.0	2	0.000
	22	8.0	4	0.000
	23	8.0	4	0.000
	24	8.0	2	0.000
	25	8.0	2	0.000
26	8.0	1	0.000	
27	8.0	2	0.000	
28	8.0	2	0.000	
29	8.0	2	0.000	
30	8.0	2	0.000	
31	8.0	2	0.000	
32	8.0	2	0.000	
33	8.0	2	0.000	

AÇO	DIAM (mm)	C.TOTAL (m)	PES
CA50	8.0	457.4	
CA60	5.0	452.9	
PESO TOTAL (kg)			
CA50	198.5		
CA60	76.8		

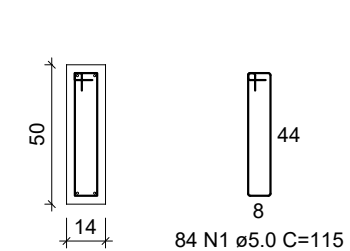
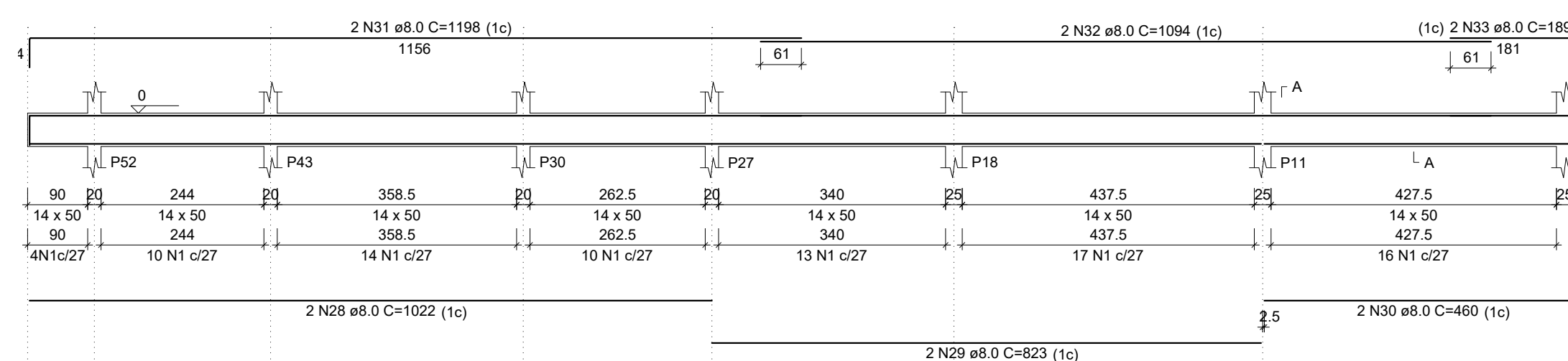
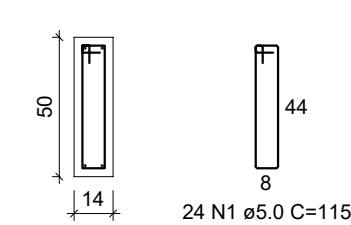
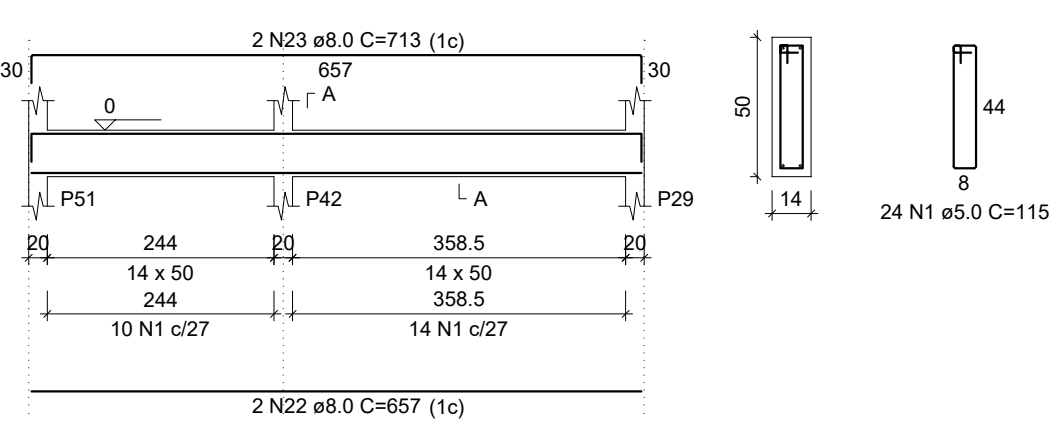
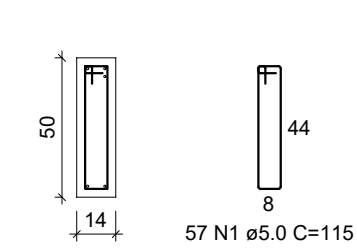
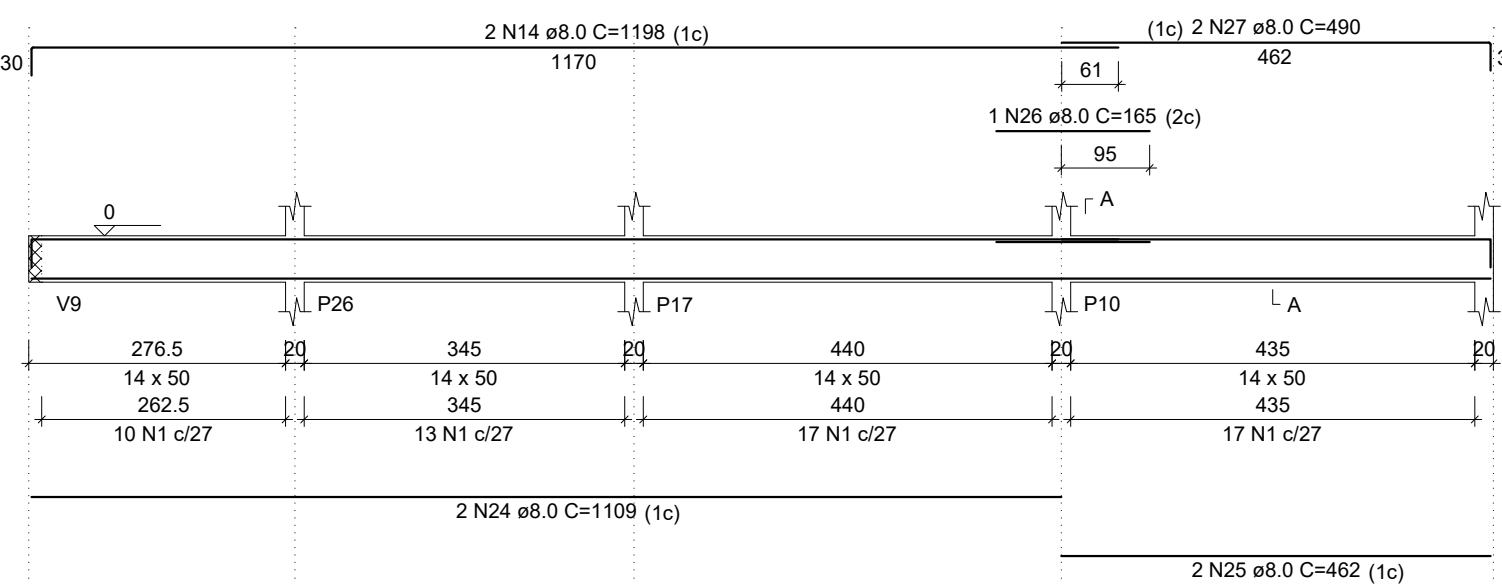
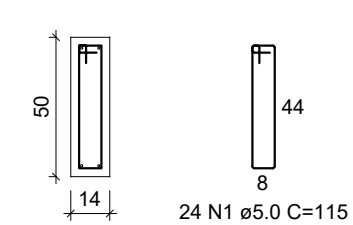
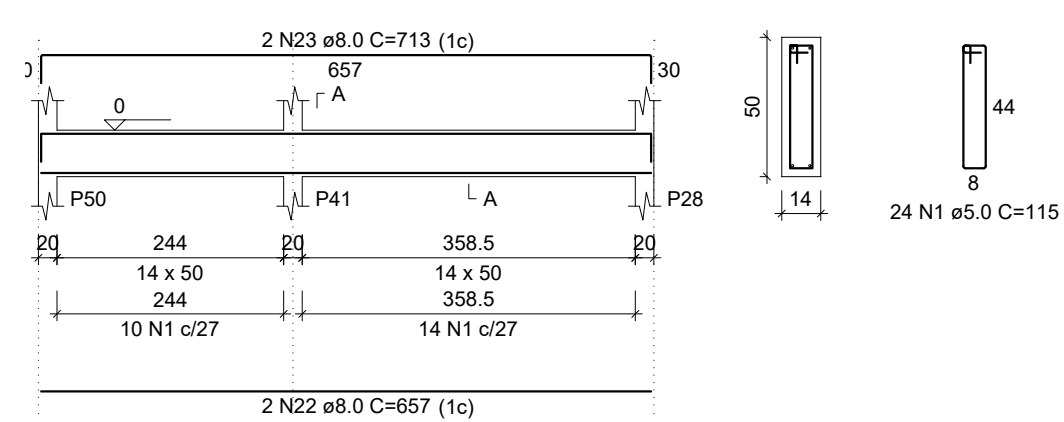
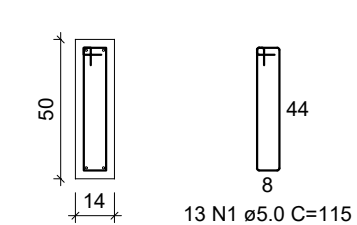
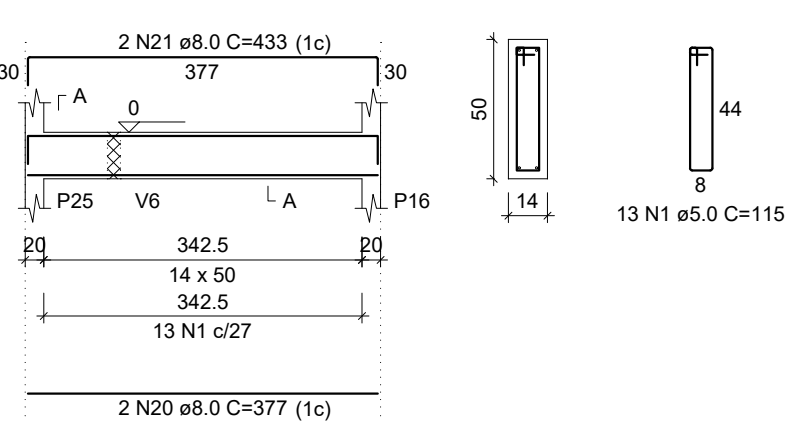
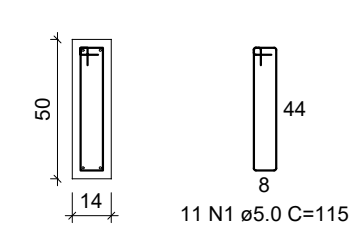
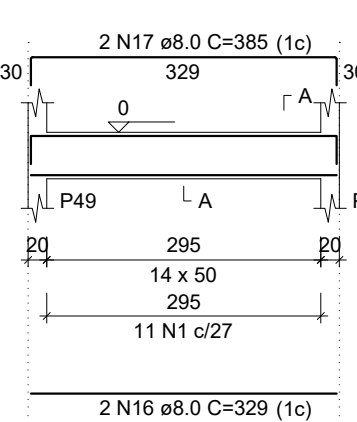
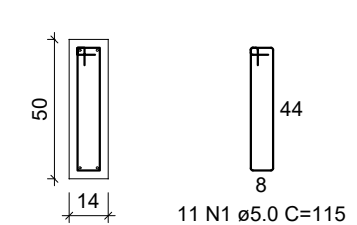
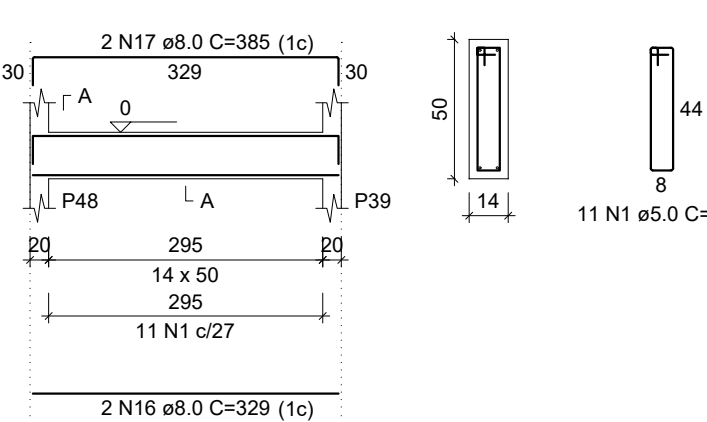
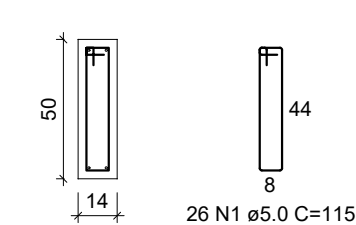
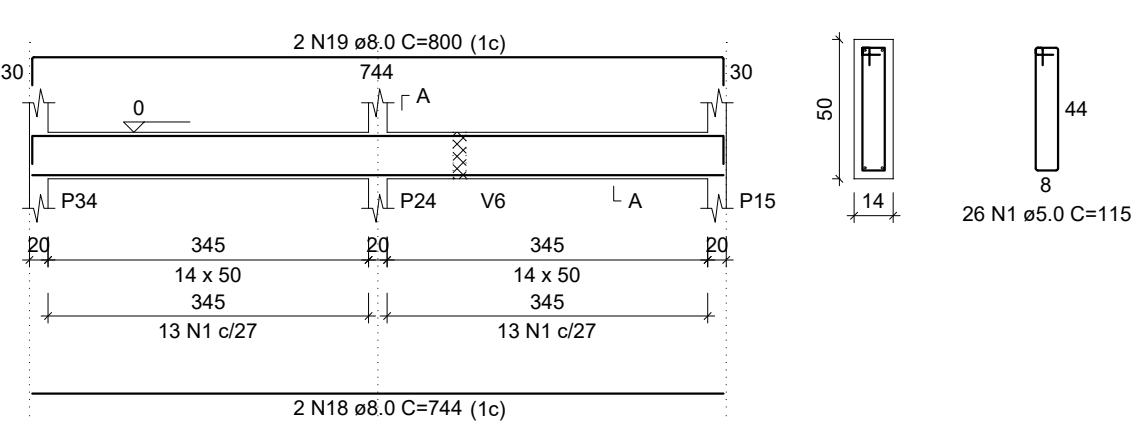
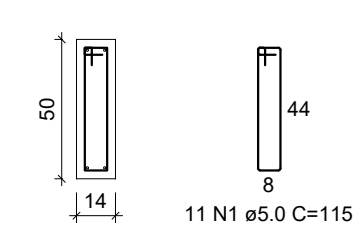
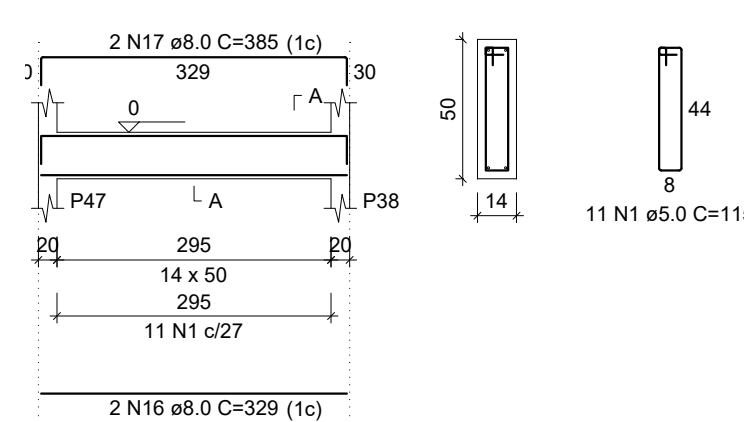
Volume de concreto (C-25) = 7.12 m<sup>3</sup>  
Área de forma = 115.96 m<sup>2</sup>




	<b>MINISTÉRIO DA EDUCAÇÃO</b> <b>INSTITUTO FEDERAL DE EDUCAÇÃO, CIÊNCIA E TECNOLOGIA</b> <b>PROREITORIA DE DESENVOLVIMENTO INSTITUCIONAL</b> <b>DIRETORIA DE INFRAESTRUTURA</b>		
<b>PROJETO EXECUTIVO ESTRUTURAL</b>			
APROVAÇÃO CORPO DE BOMBEIROS  <div style="border: 1px solid black; height: 150px; margin-top: 10px;"></div>	APROVAÇÃO PREFEITURA MUNICIPAL  <div style="border: 1px solid black; height: 150px; margin-top: 10px;"></div>		
RESPONSÁVEL TÉCNICO  <div style="border: 1px solid black; height: 150px; margin-top: 10px;"></div>	INSTITUTO FEDERAL DO PIAUÍ  <div style="border: 1px solid black; height: 150px; margin-top: 10px;"></div>		
Data:  <div style="border: 1px solid black; height: 40px; margin-top: 10px;"></div>	Endereço:  <div style="border: 1px solid black; height: 40px; margin-top: 10px;"></div>		
Conteúdo da prancha: <b>XXXXXXXX</b>			
Responsável Técnico:			
Op. de CAD:	Data:	Escala: indicada	Revisão: <b>FINAL</b>



RESUMO DO AÇO		
AÇO	DIAM (mm)	C.TOTAL (m)
CA50	8.0	457.4
CA60	5.0	452.9
PESO TOTAL (kg)		
CA50	198.5	
CA60	76.8	



	<b>MINISTÉRIO DA EDUCAÇÃO</b> <b>INSTITUTO FEDERAL DE EDUCAÇÃO, CIÊNCIA E TECNOLOGIA</b> <b>PRORREITORIA DE DESENVOLVIMENTO INSTITUCIONAL</b> <b>DIRETORIA DE INFRAESTRUTURA</b>		
<h2 style="margin: 0;">PROJETO EXECUTIVO ESTRUTURAL</h2>			
APROVAÇÃO CORPO DE BOMBEIROS  <div style="border: 1px solid black; height: 150px; margin-top: 10px;"></div>	APROVAÇÃO PREFEITURA MUNICIPAL  <div style="border: 1px solid black; height: 150px; margin-top: 10px;"></div>		
RESPONSÁVEL TÉCNICO  <div style="border: 1px solid black; height: 150px; margin-top: 10px;"></div>	INSTITUTO FEDERAL DO PAULISTA  <div style="border: 1px solid black; height: 150px; margin-top: 10px;"></div>		
Obra: <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <b>CONSTRUÇÃO CAMPUS 2024</b> </div>	Endereço:  <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div>		
Conteúdo da prancha: <b>XXXXXXXX</b>			
Responsável Técnico:			
Op. de CAD:	Data:	Escala: indicada	Revisão: <b>FINA</b>

	<b>INSTITUTO FEDERAL DE EDUCAÇÃO, CIÊNCIA E TECNOLOGIA DA PARAÍBA</b>
	Reitoria
	Av. João da Mata, 256, Jaguaribe, CEP 58015-020, Joao Pessoa (PB)
	CNPJ: 10.783.898/0001-75 - Telefone: (83) 3612.9701

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PROJETOS DE ENGENHARIA - PROJETO ESTRUTURAL - CONSTRUÇÃO SEDE PRÓPRIA -  
UNIDADE: CAMPUS QUEIMADAS - IFPB

Assunto:	PROJETOS DE ENGENHARIA - PROJETO ESTRUTURAL - CONSTRUÇÃO SEDE PRÓPRIA - UNIDADE: CAMPUS QUEIMADAS - IFPB
Assinado por:	Carlos Diego
Tipo do Documento:	Projeto
Situação:	Finalizado
Nível de Acesso:	Ostensivo (Público)
Tipo do Conferência:	Cópia Simples

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