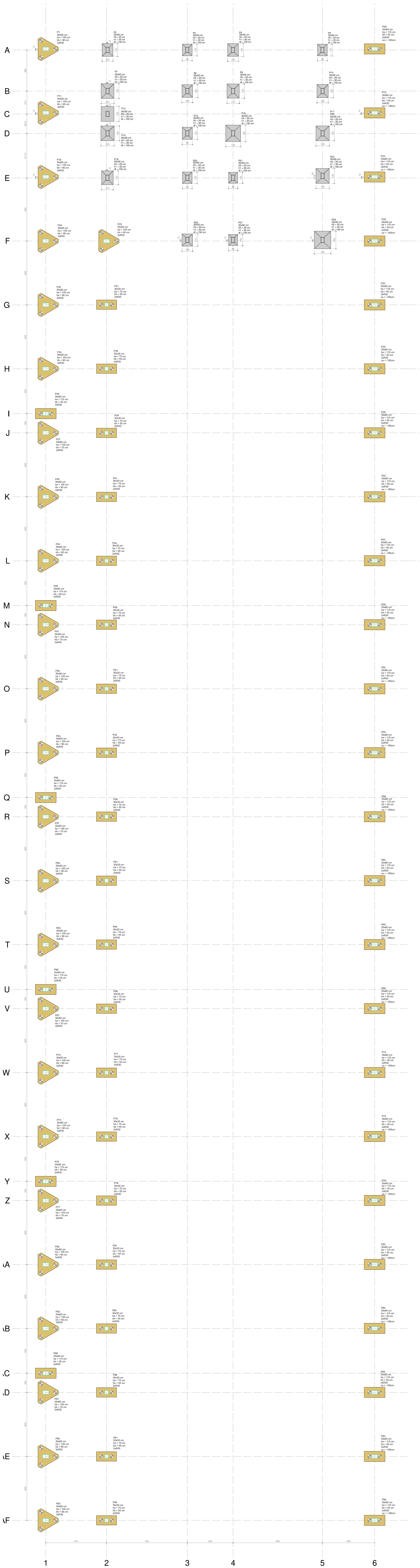
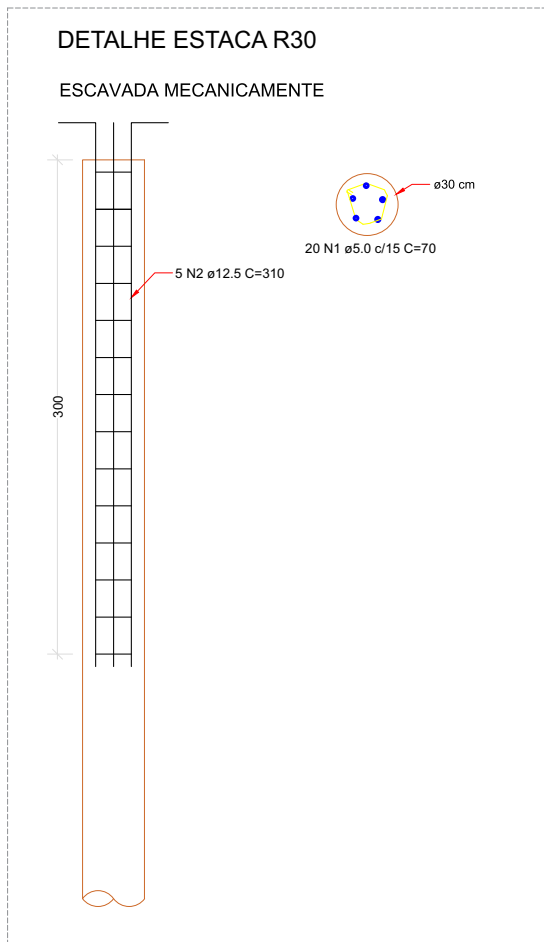
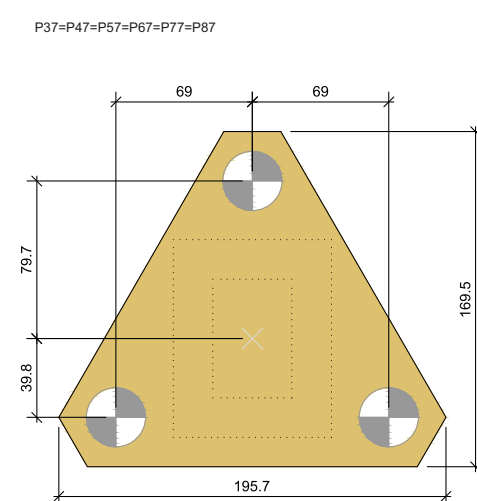
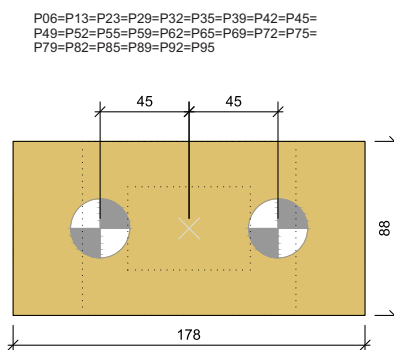
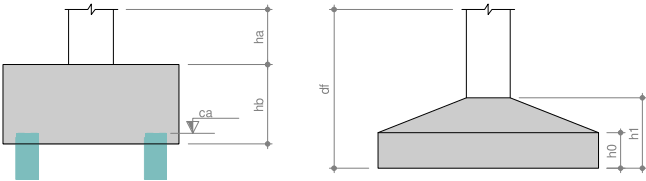




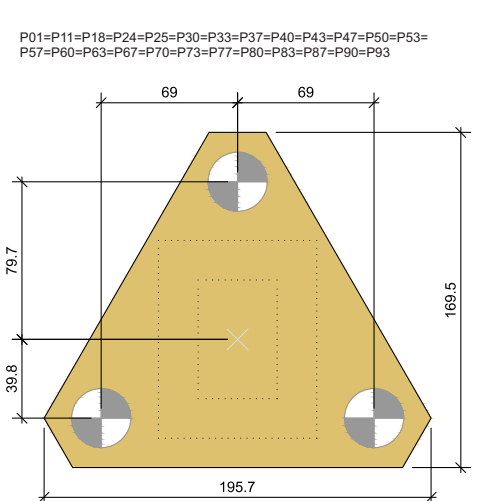
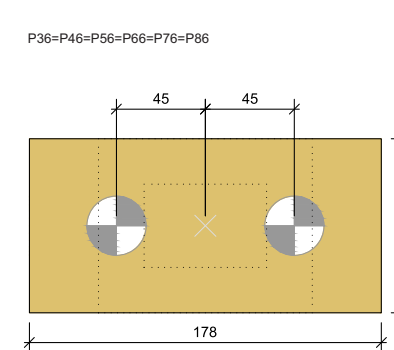
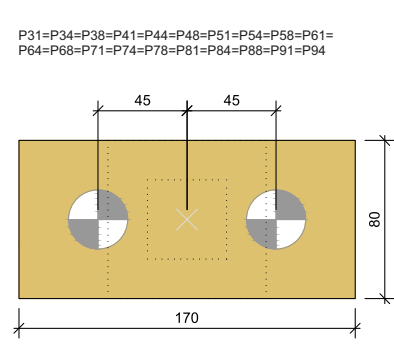
LEGENDA DE BLOCOS	
Descrição	Quantidade
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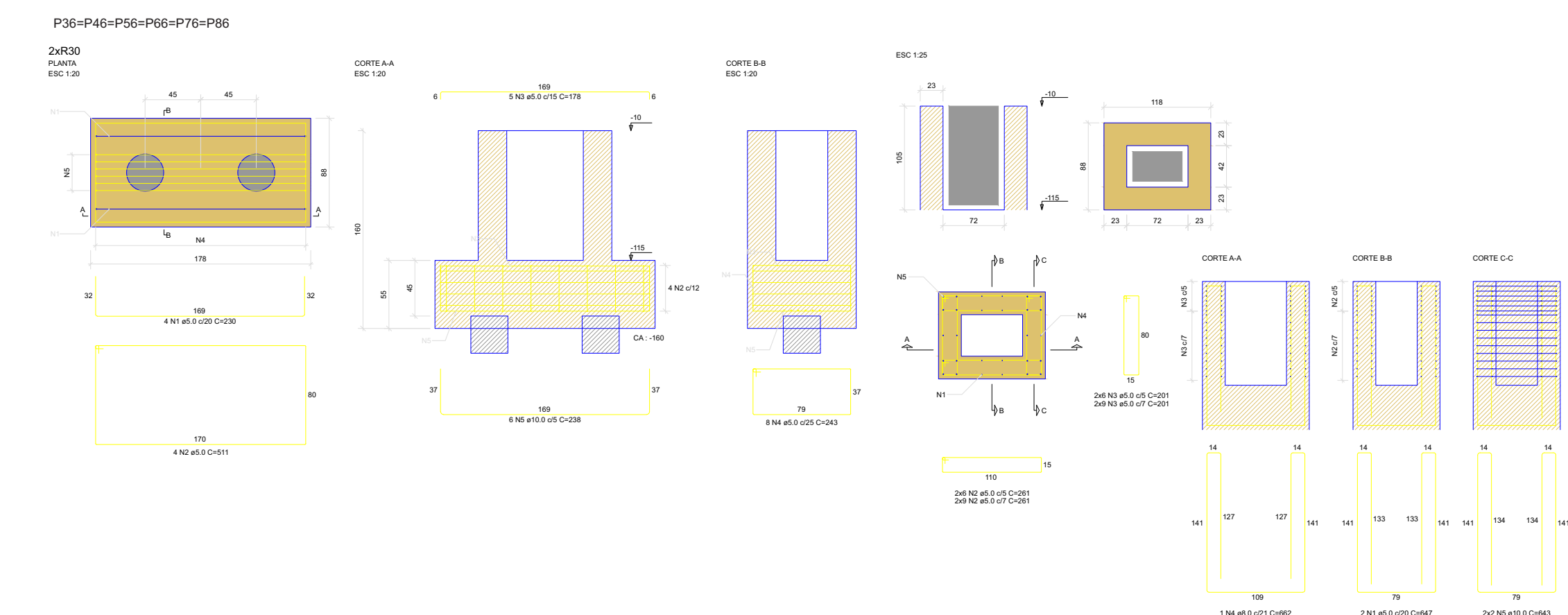
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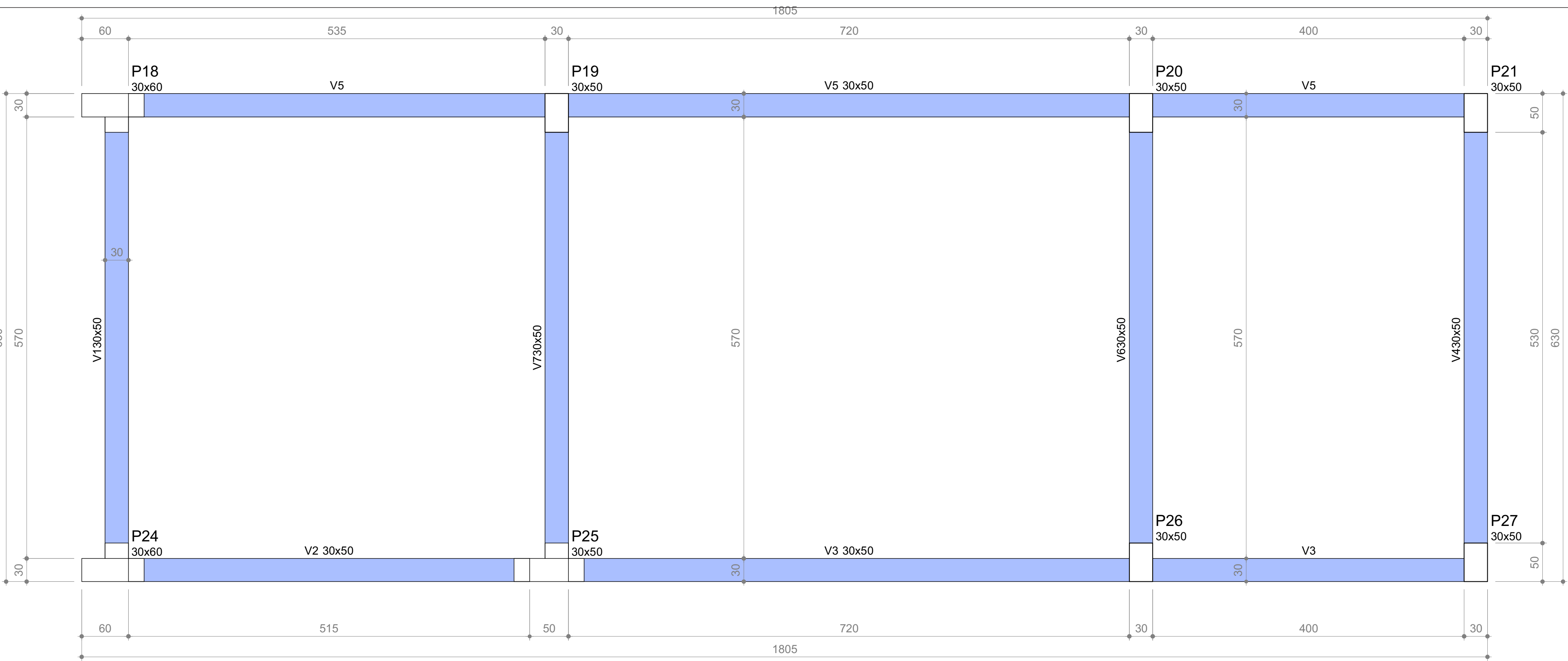


Legenda dos blocos
escala 1:25



Obras		ARENA CULTURAL	
Responsáveis Técnicos		Eng. Juliano Alencar CREA/SC 147974-4	
Projeto		PROJETO ESTRUTURAL	
Conteúdo		Planta de Localização Legenda dos Blocos e Estacas	
Folha	Escala	Revisão	Data
1	Indicada	00	Novembro de 2025





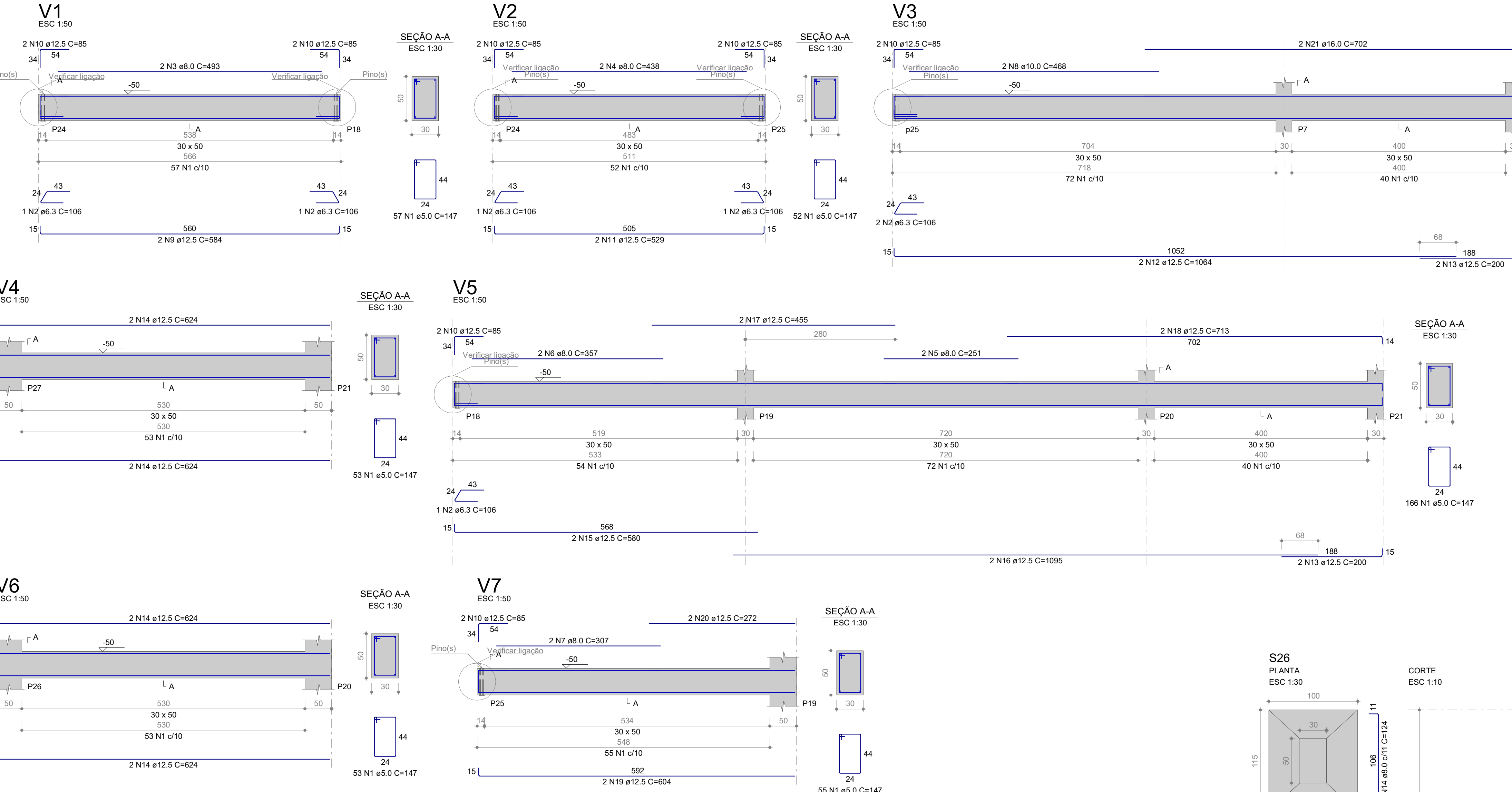
Forma do pavimento INTERIOR
escala 1:50

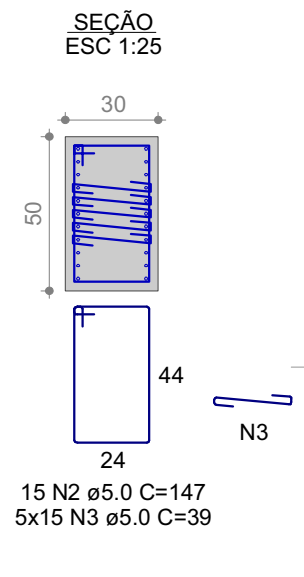
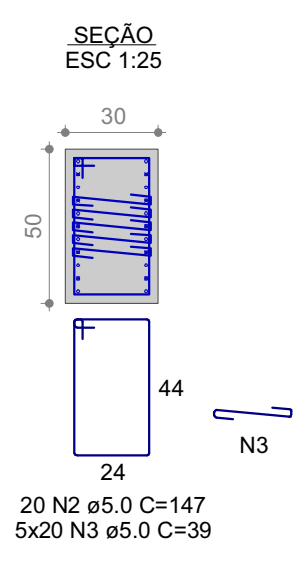
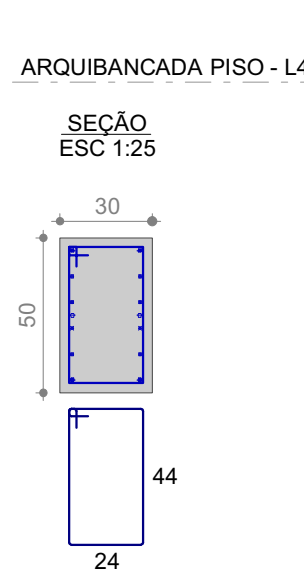
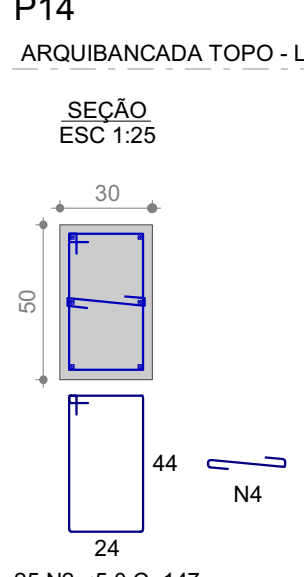
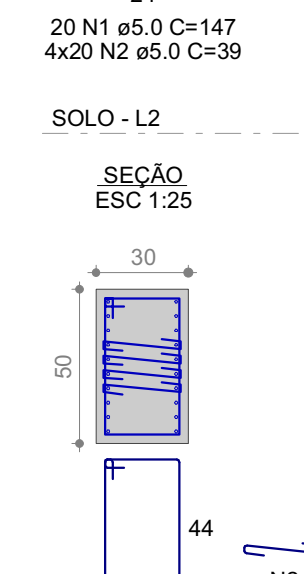
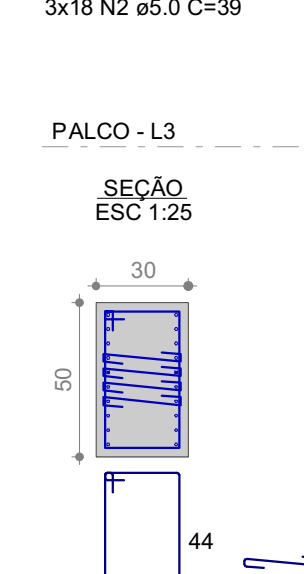
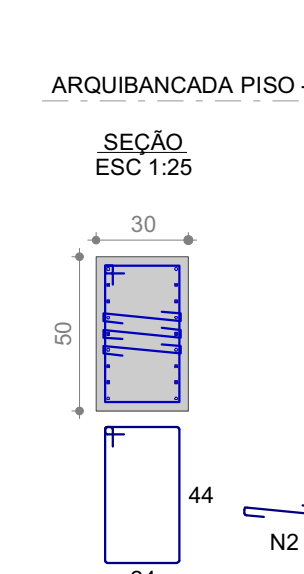
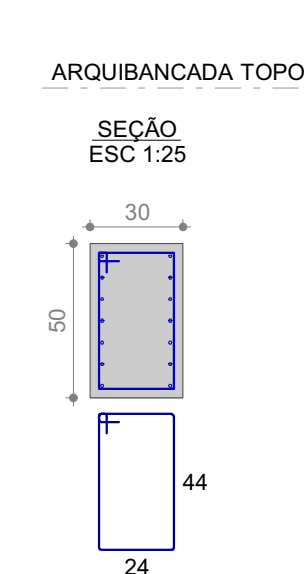
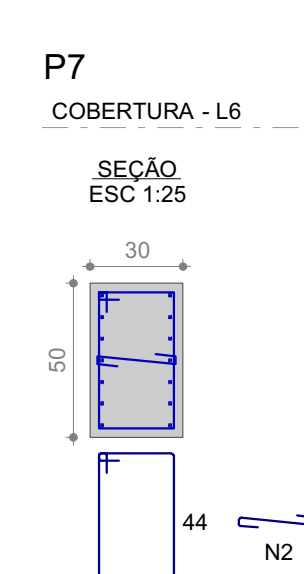
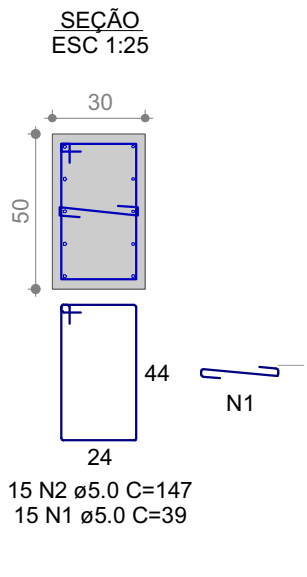
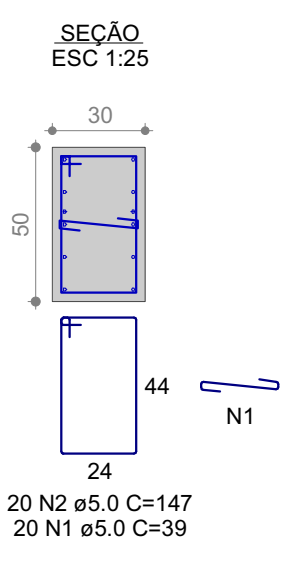
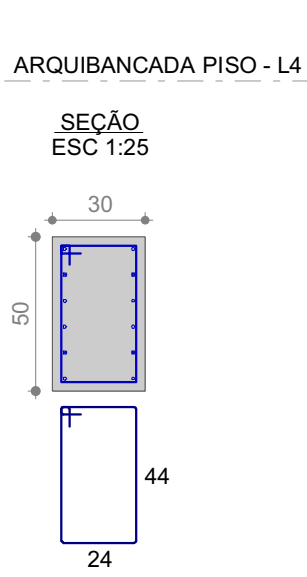
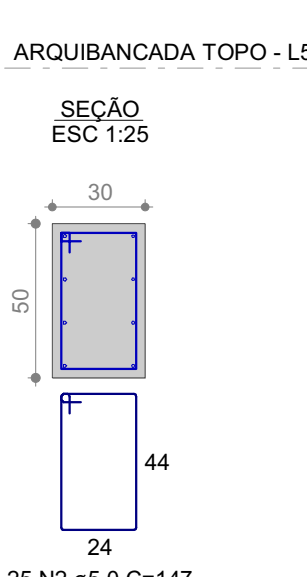
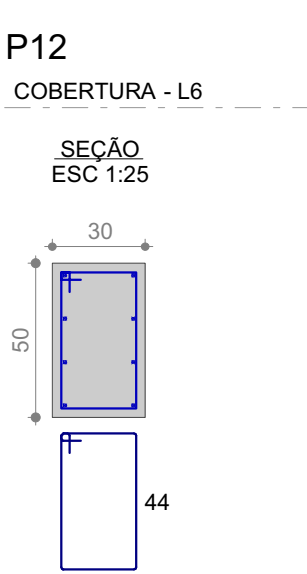
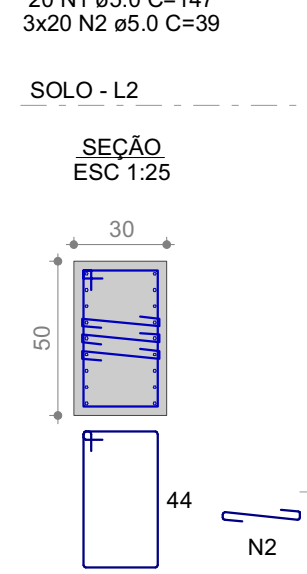
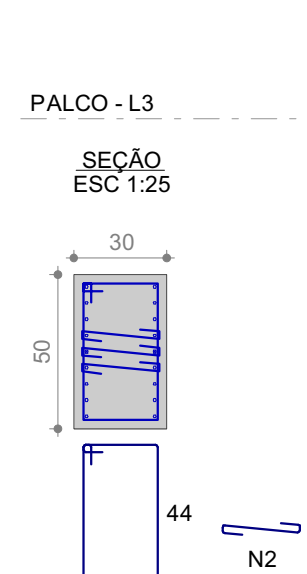
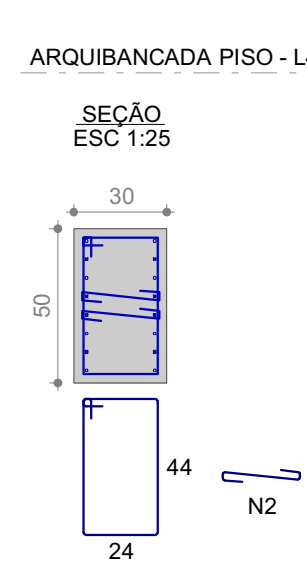
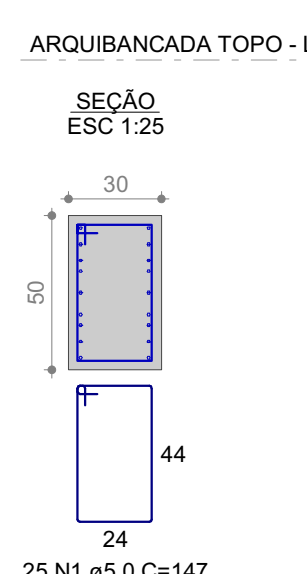
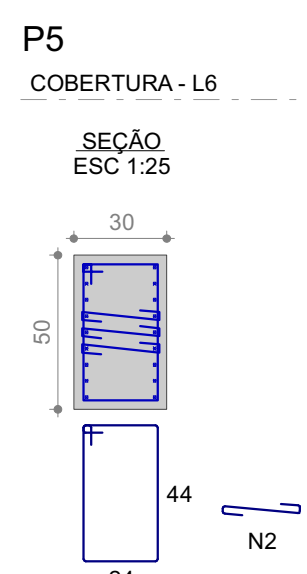
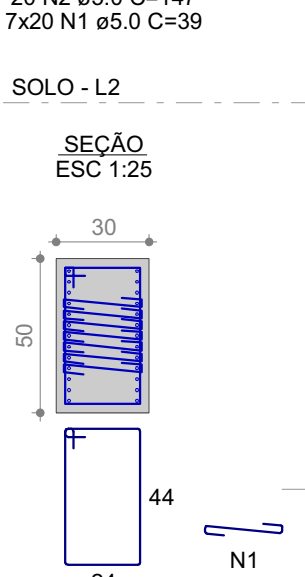
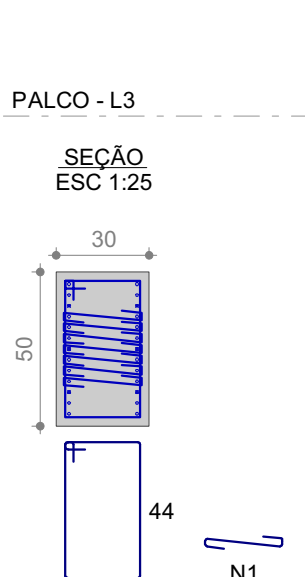
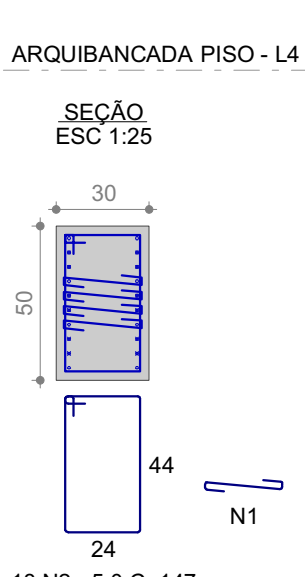
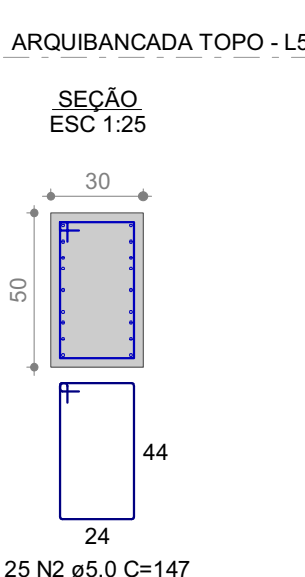
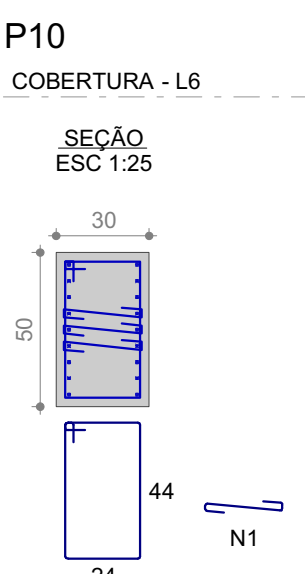
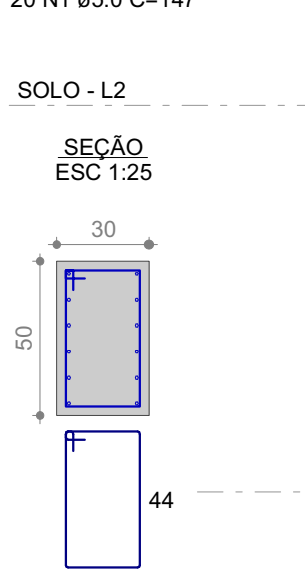
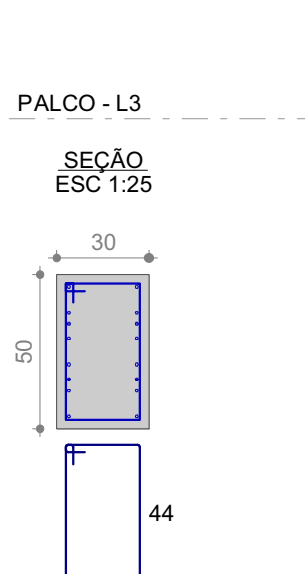
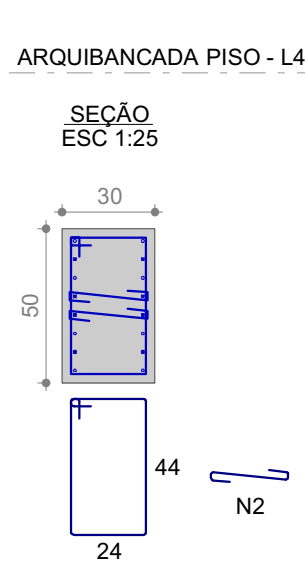
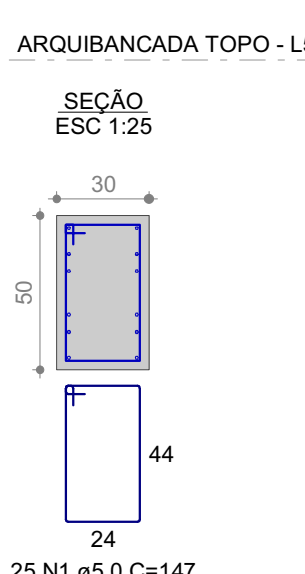
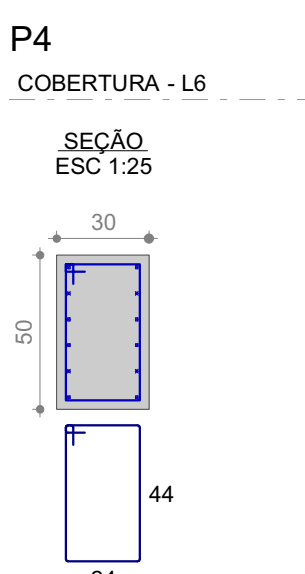
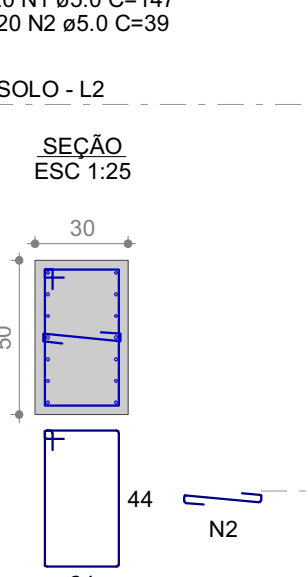
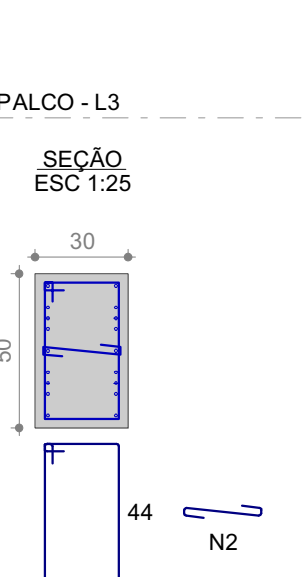
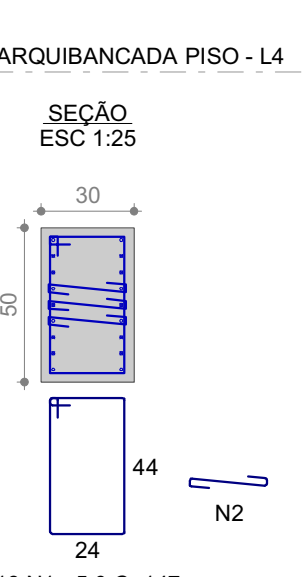
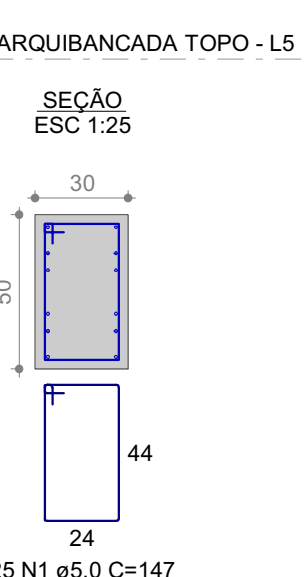
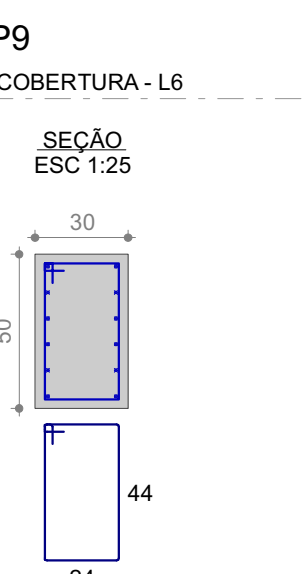
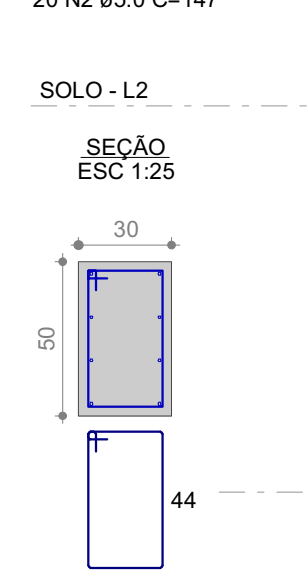
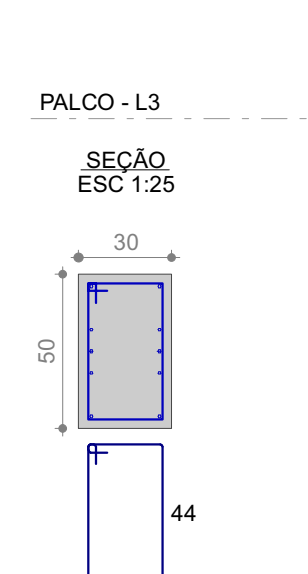
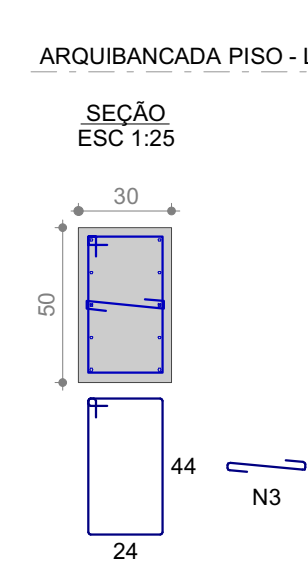
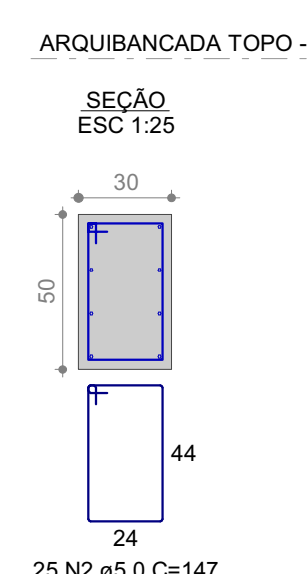
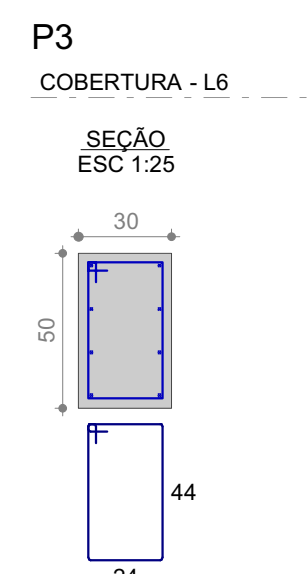
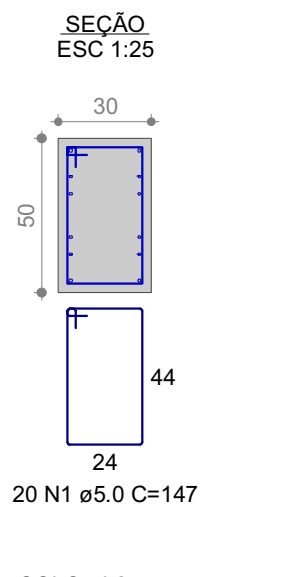
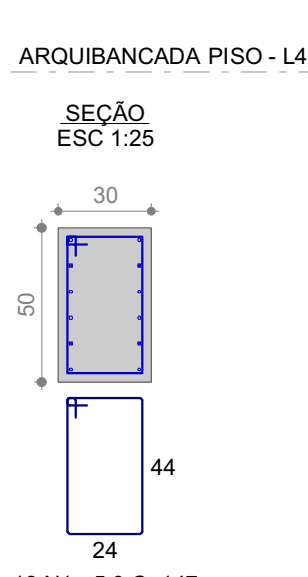
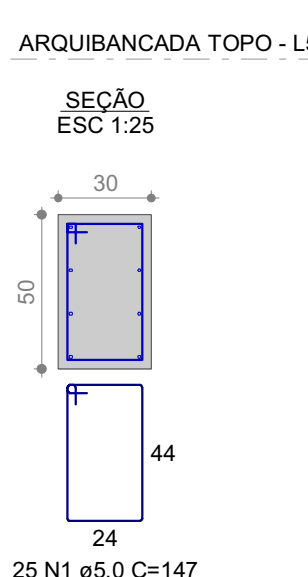
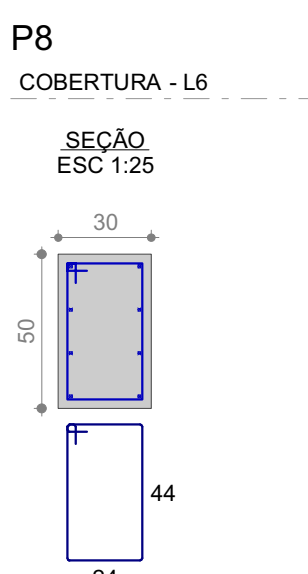
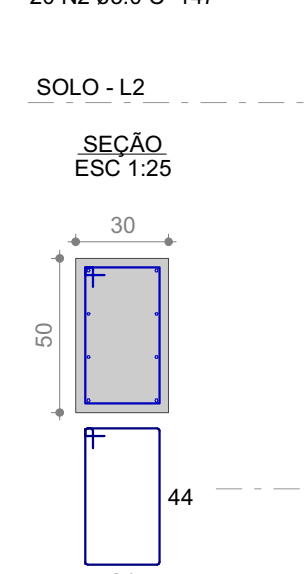
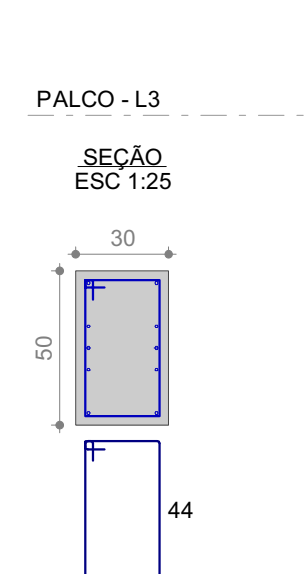
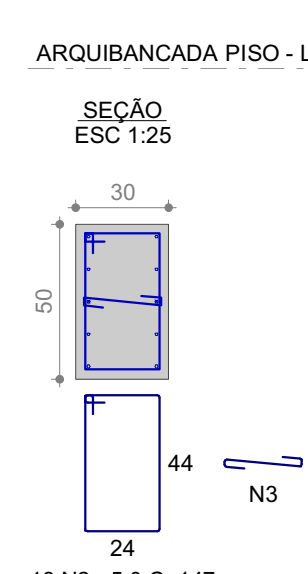
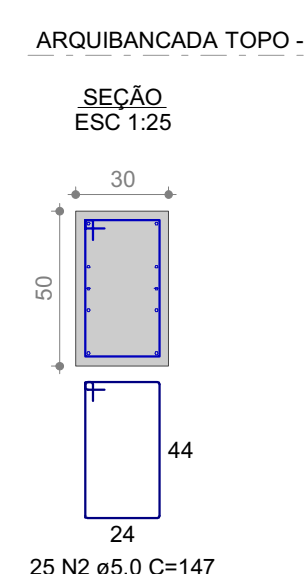
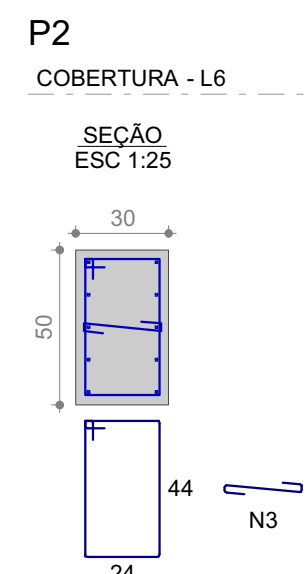
Elemento	Características dos materiais			
	Etapa	Idade (dias)	fck (kgf/cm²)	Ecsj (kgf/cm²)
Vigas	Etapa final	28	350	294029
	Etapa final	3	160	188
	Transporte 1	7	230	23557
	Montagem 2	10	271	2529
	Construção preliminar	21	330	2839
Sapatas	Etapa final	28	350	294029
	Etapa final	28	350	294029

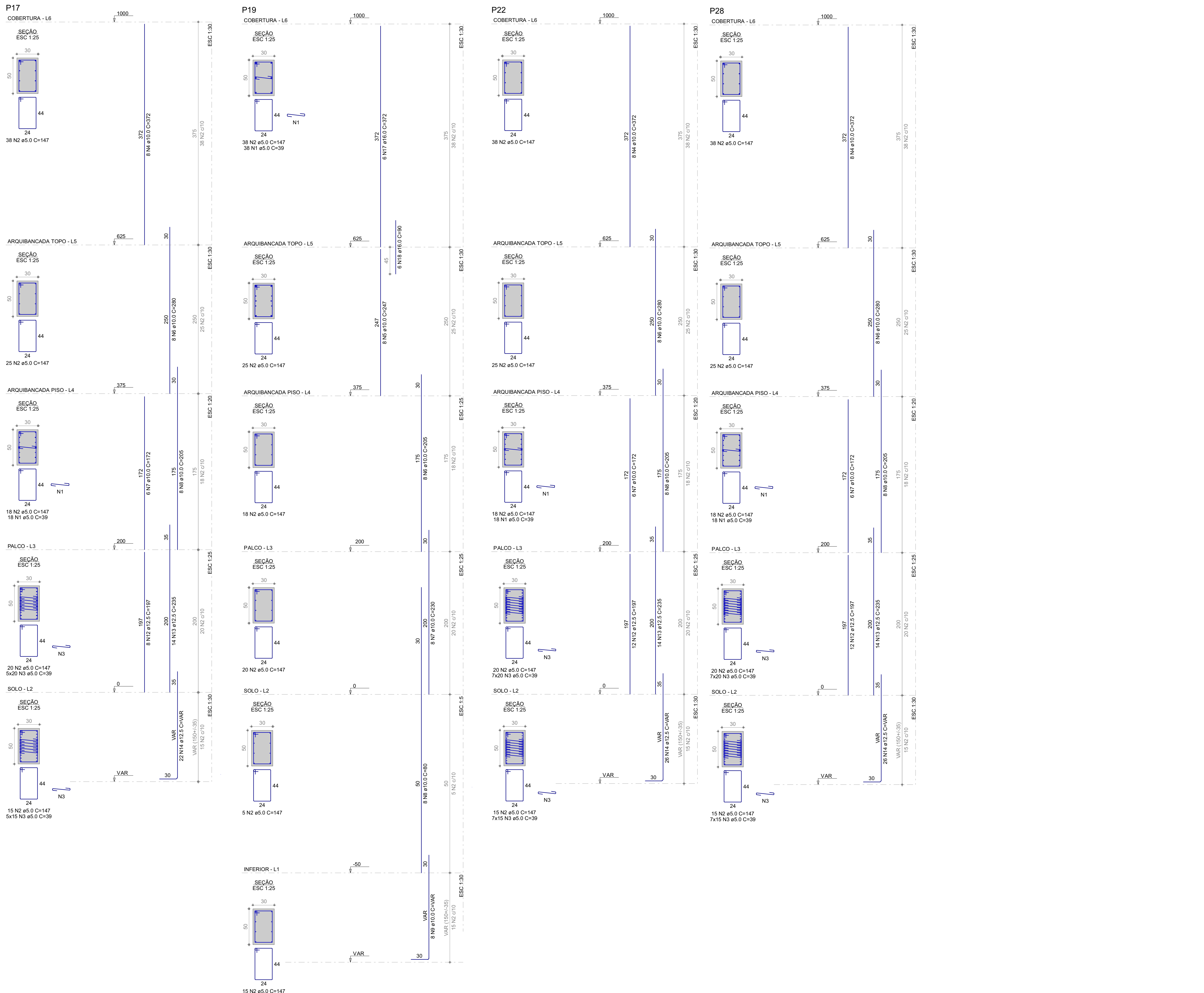
Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	30x60	-50	-100
P2	30x50	0	-50
P3	30x50	0	-50
P4	30x50	0	-50
P5	30x60	-50	-100
P6	30x50	-50	-100
P7	30x50	0	-50
P8	30x50	0	-50

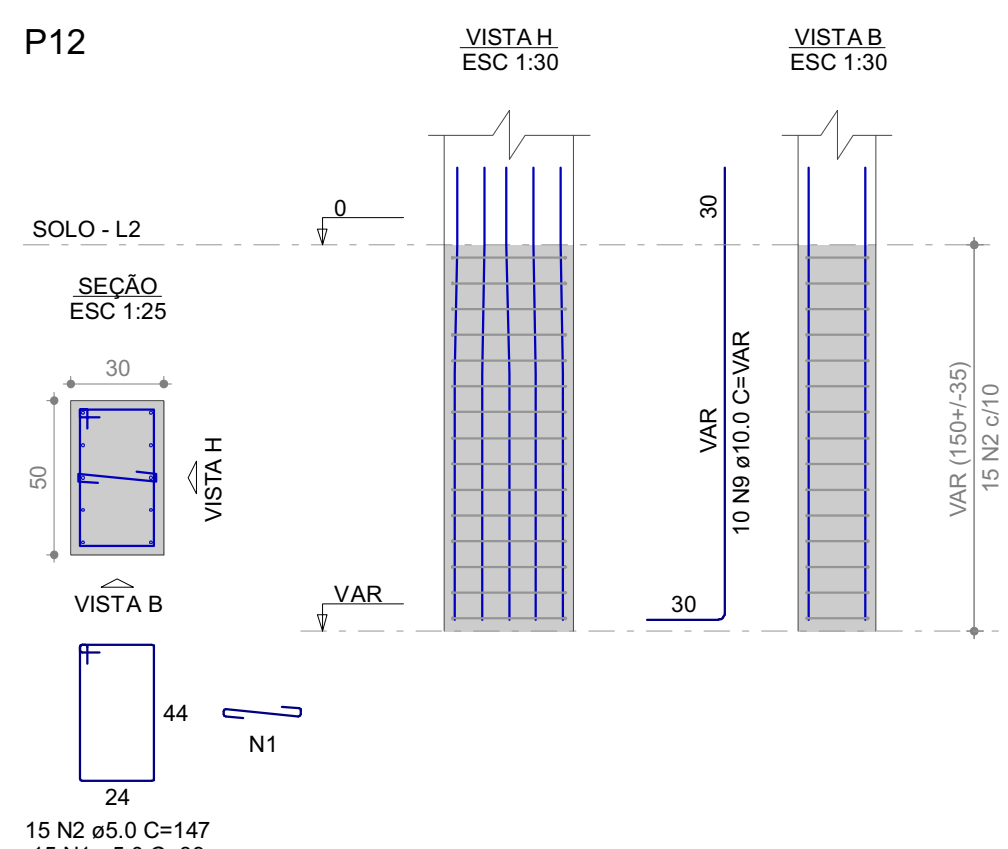
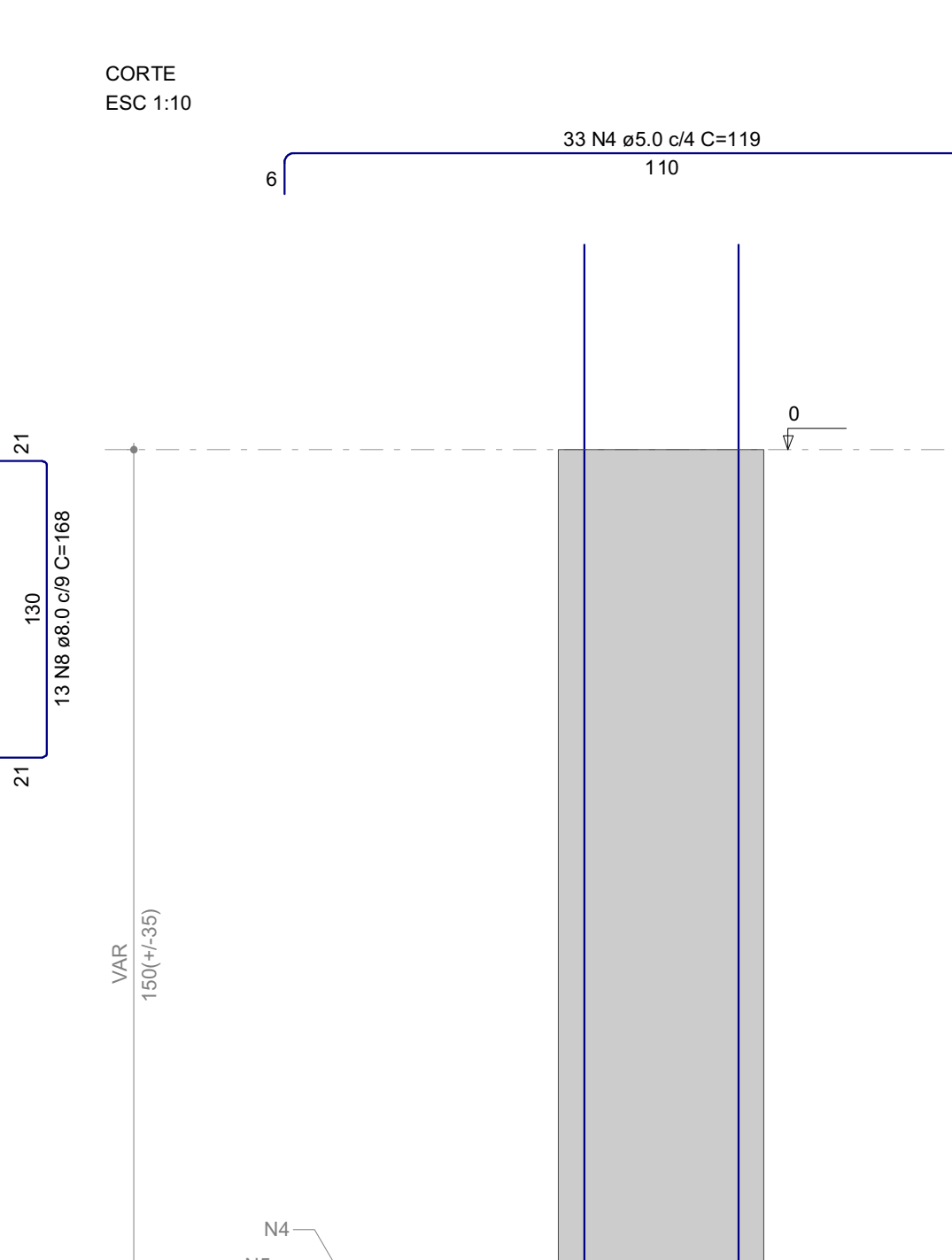
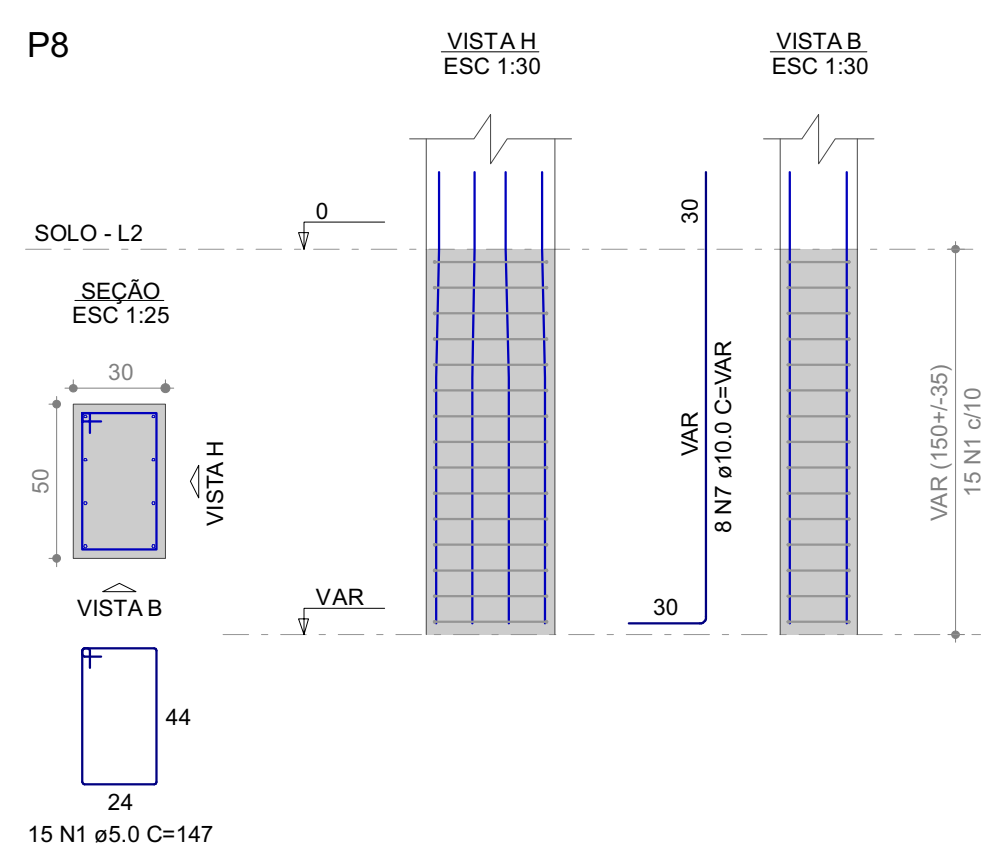
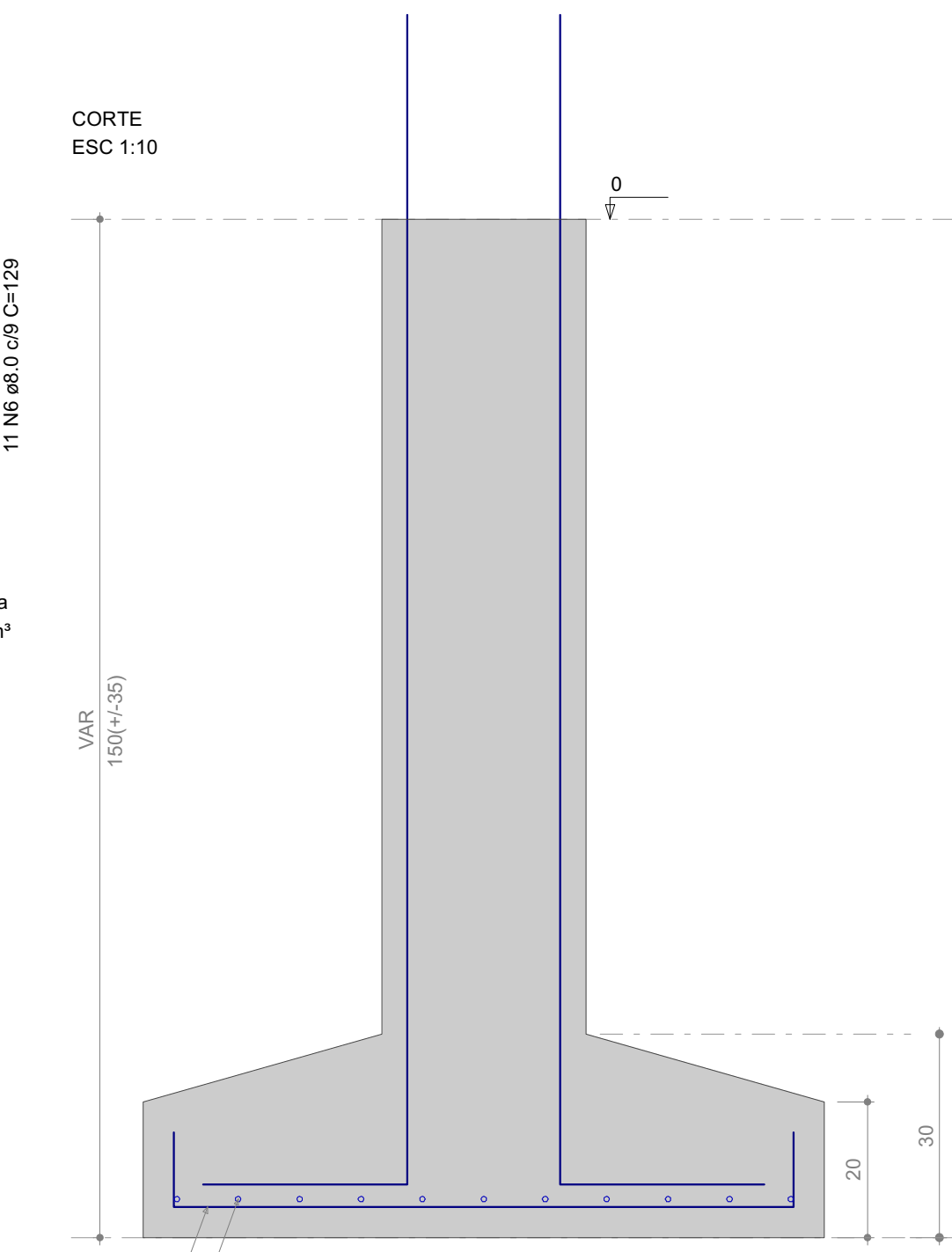
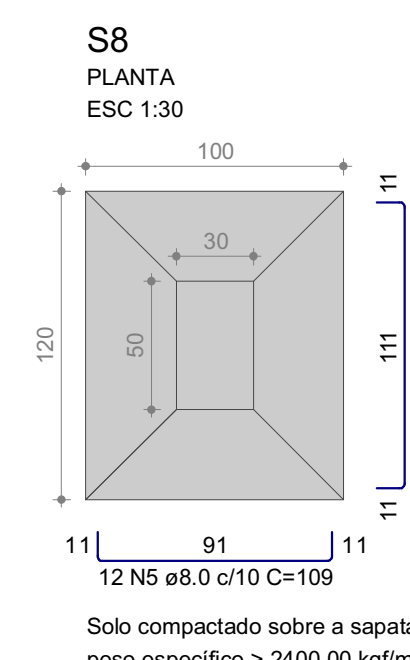
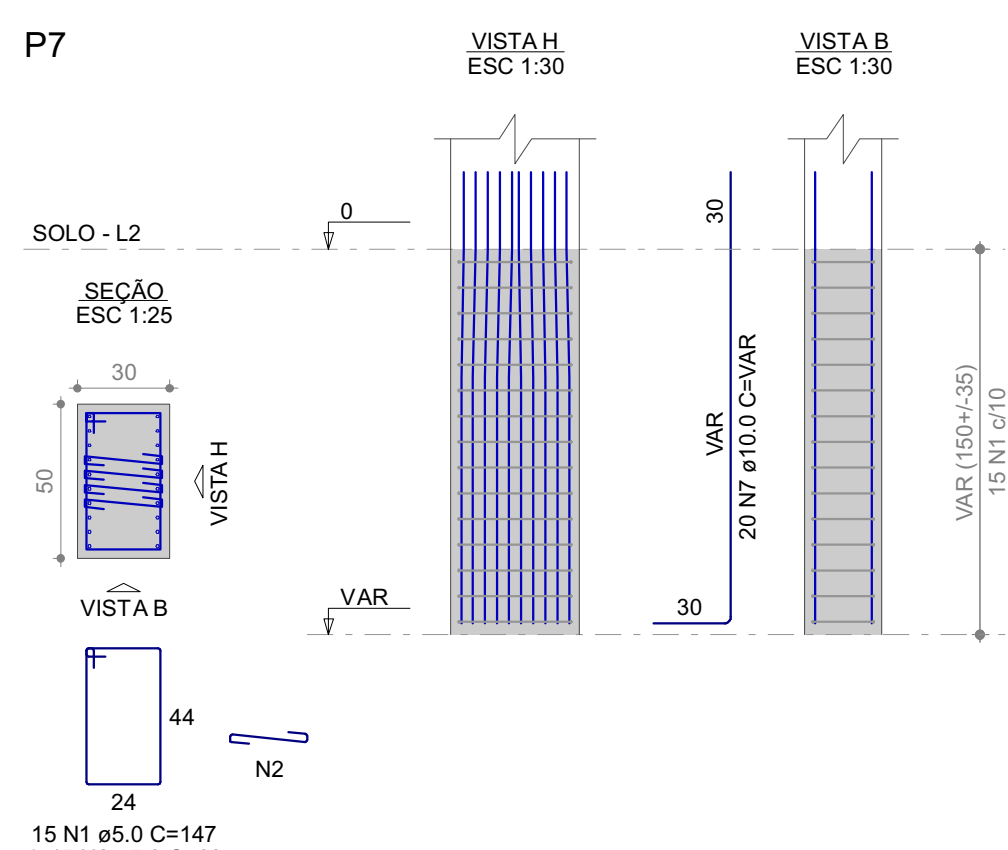
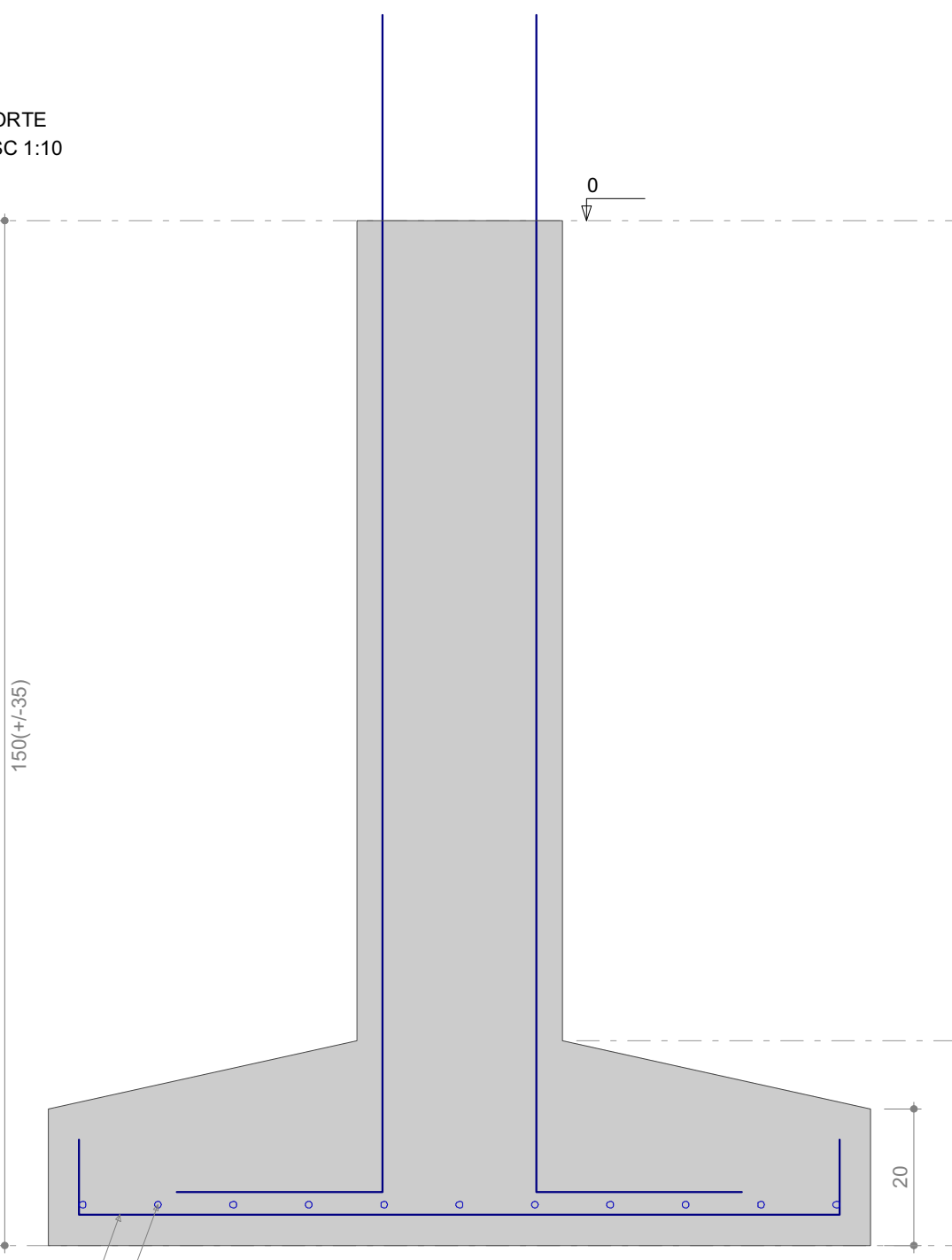
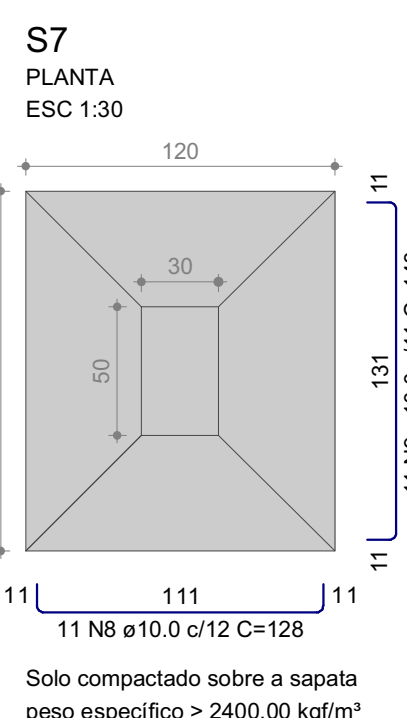
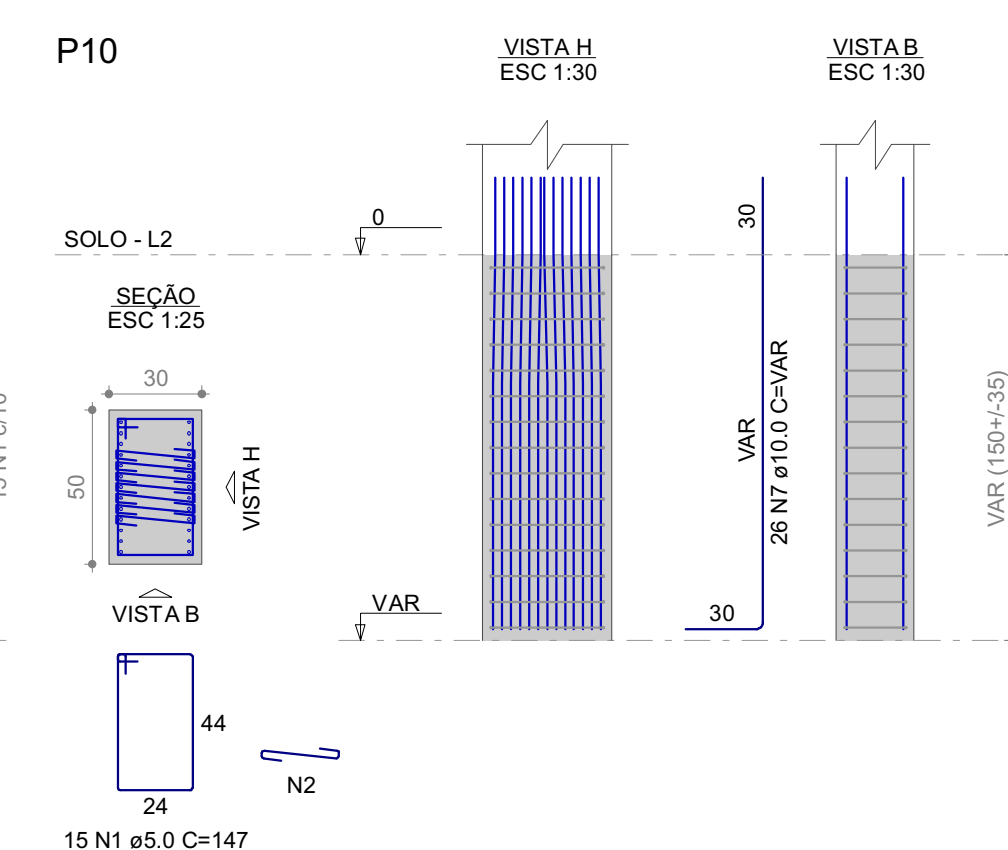
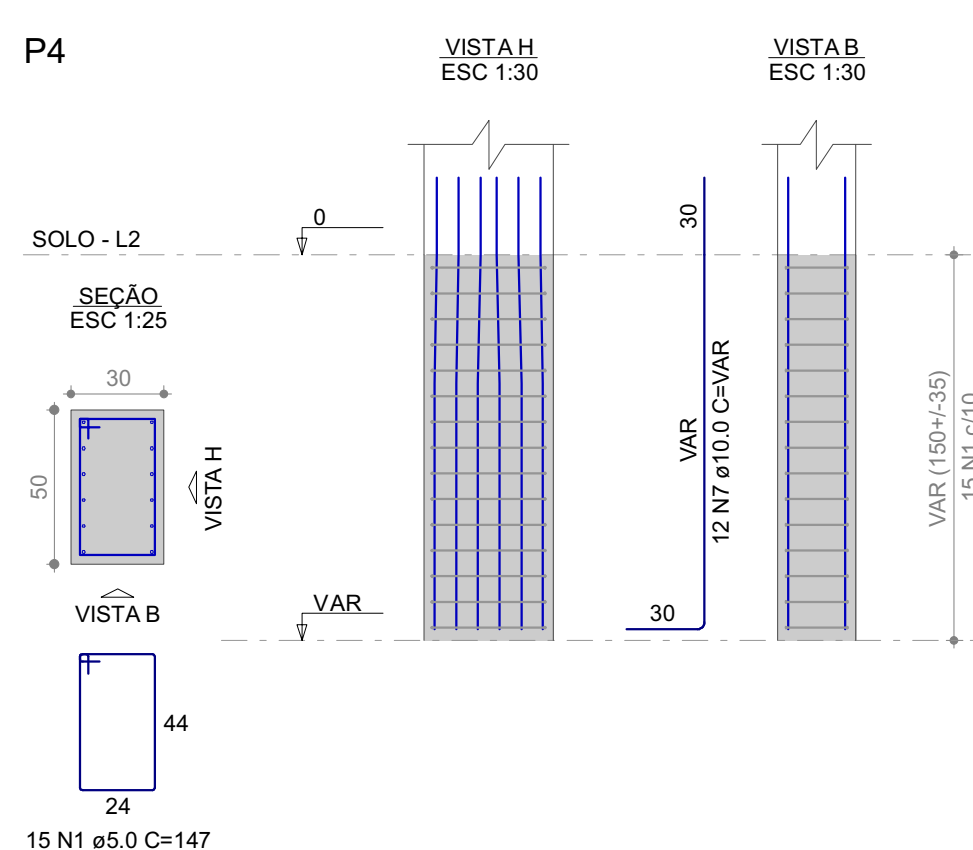
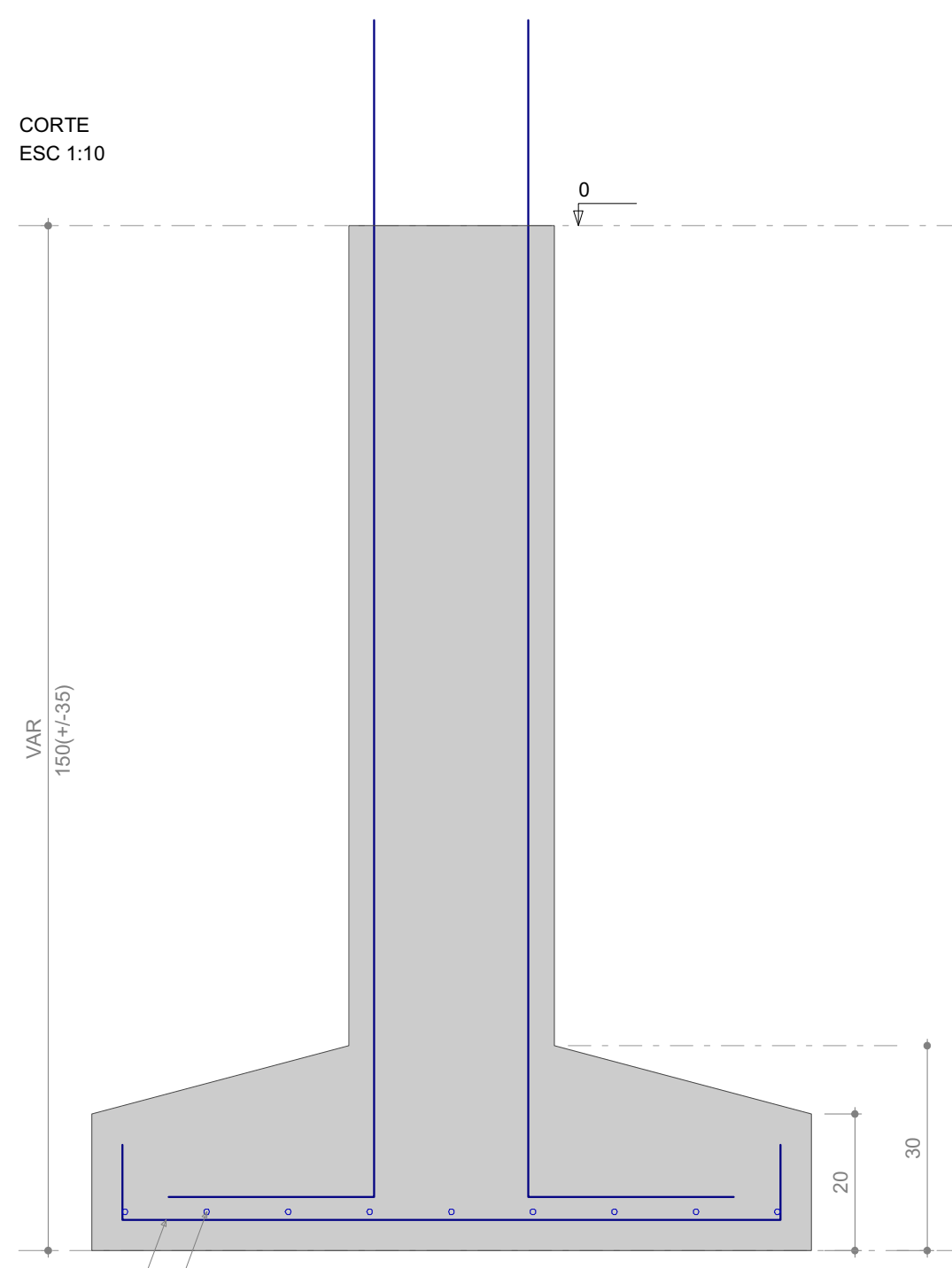
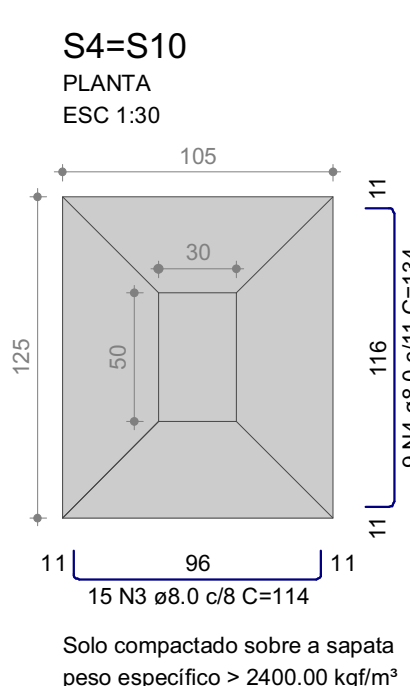
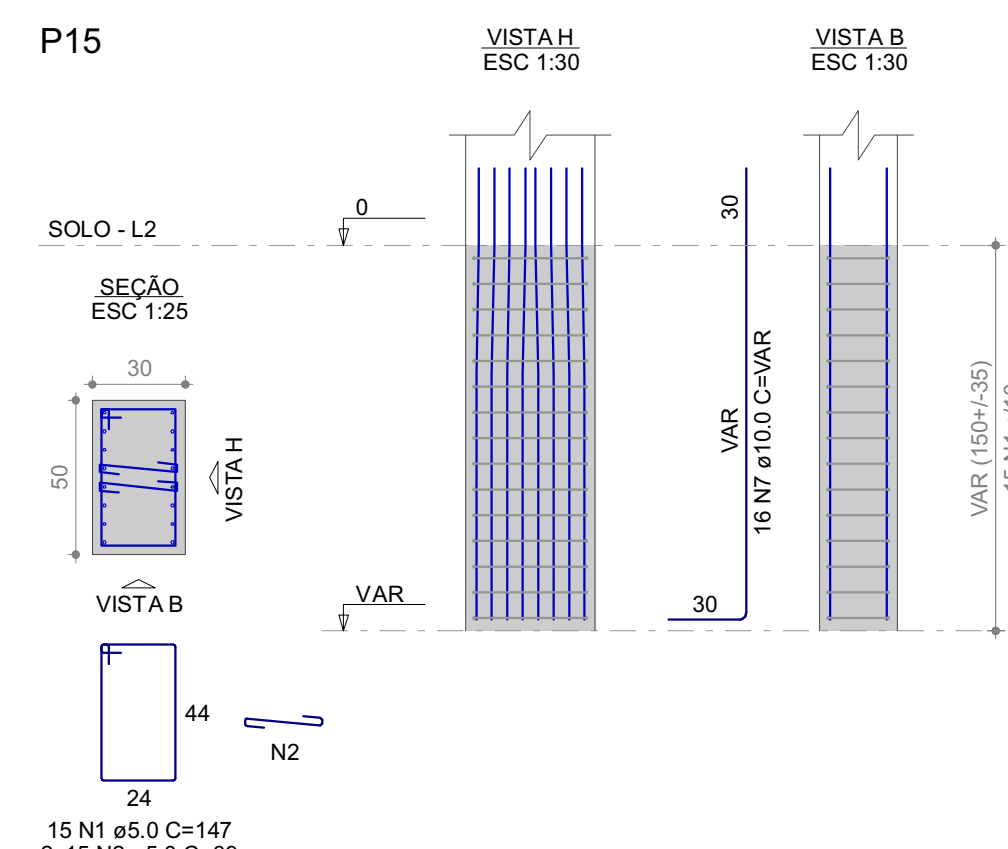
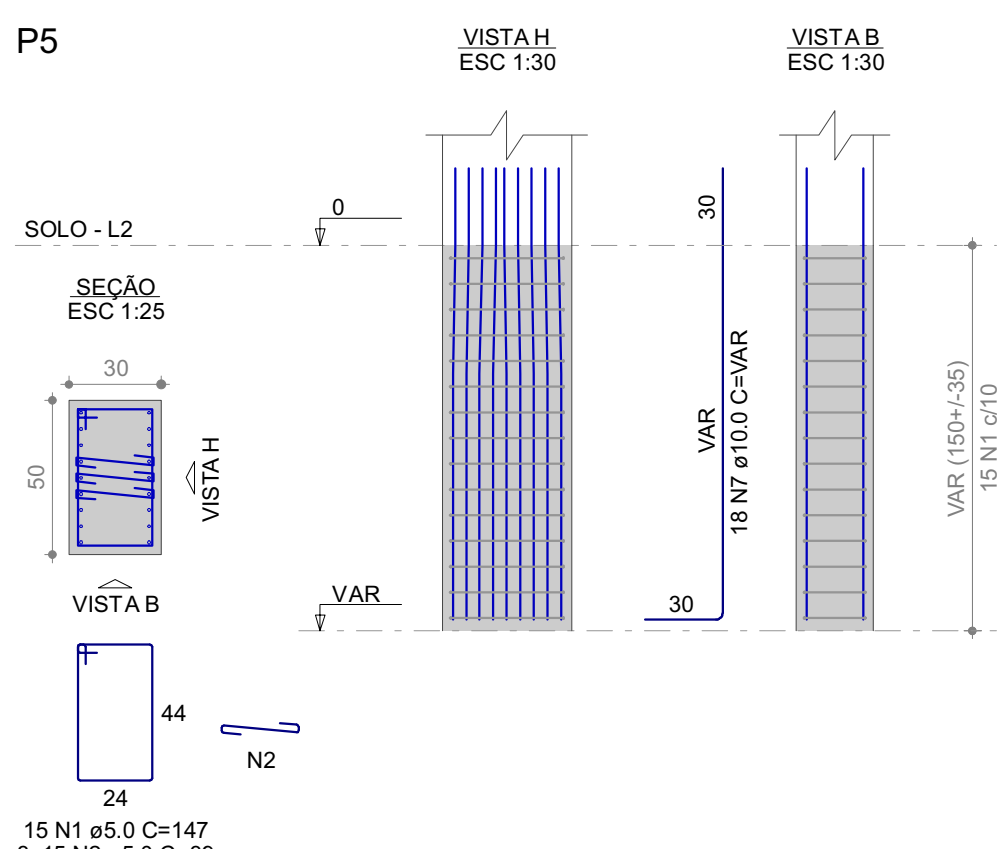
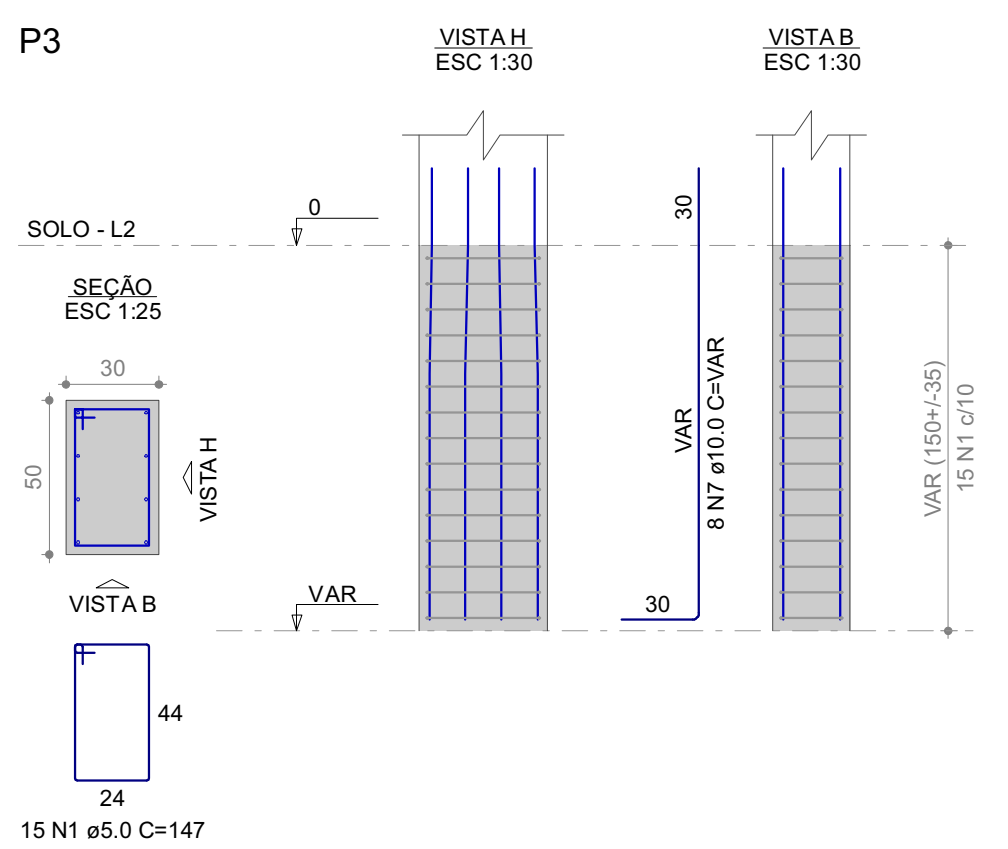
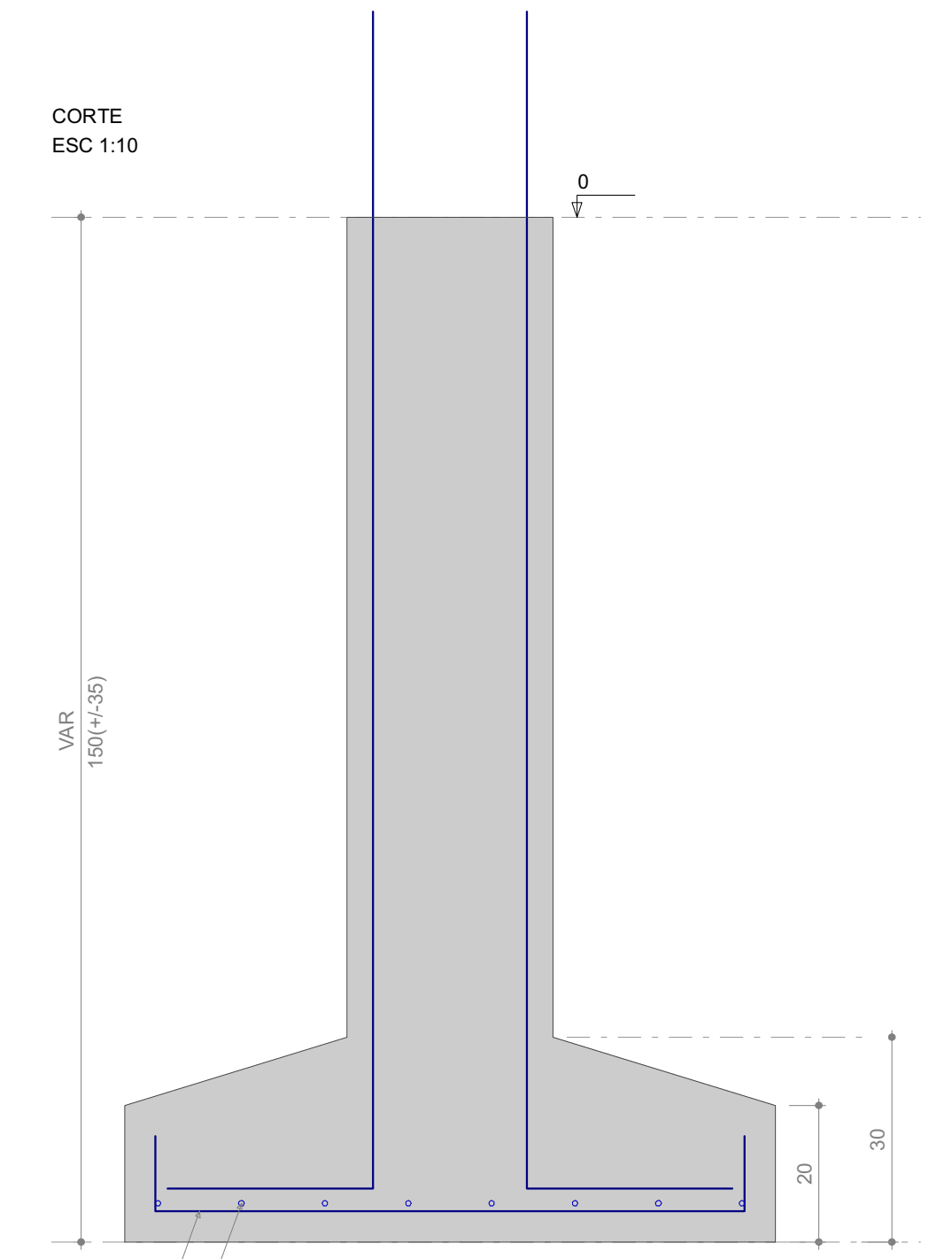
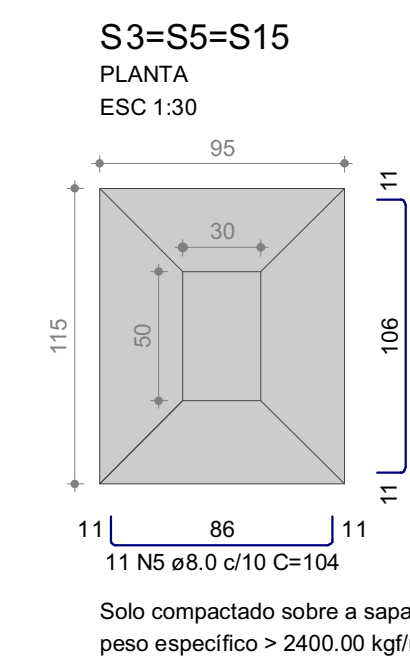
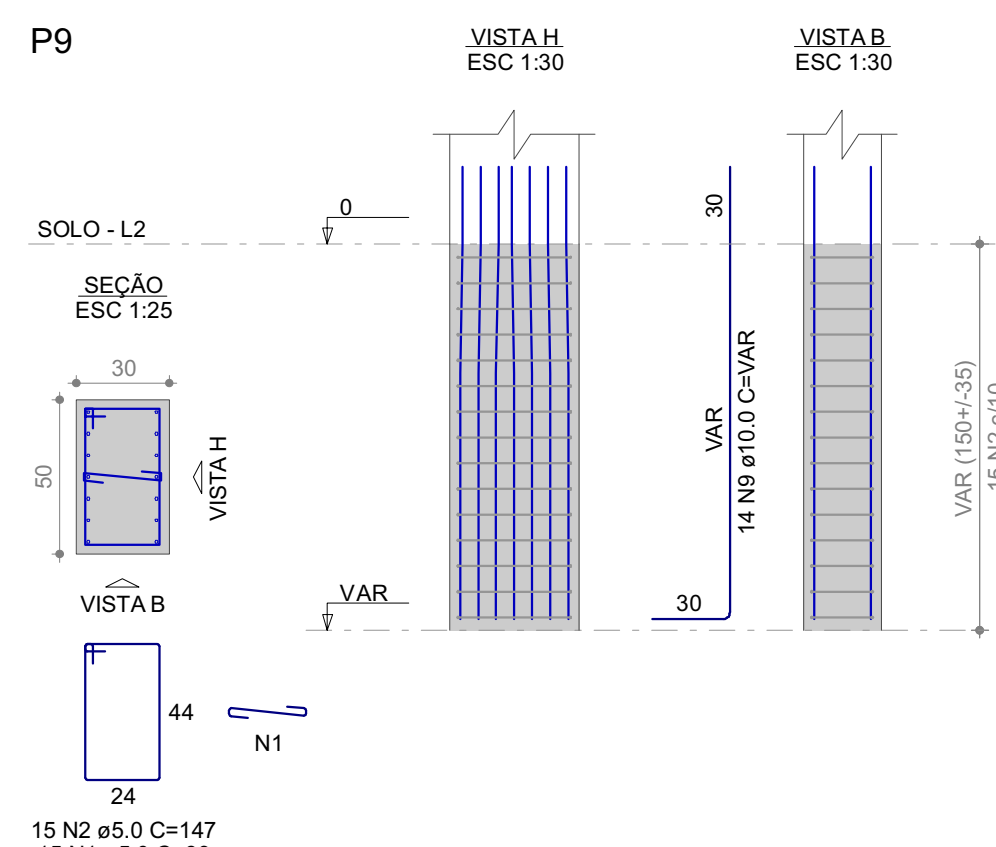
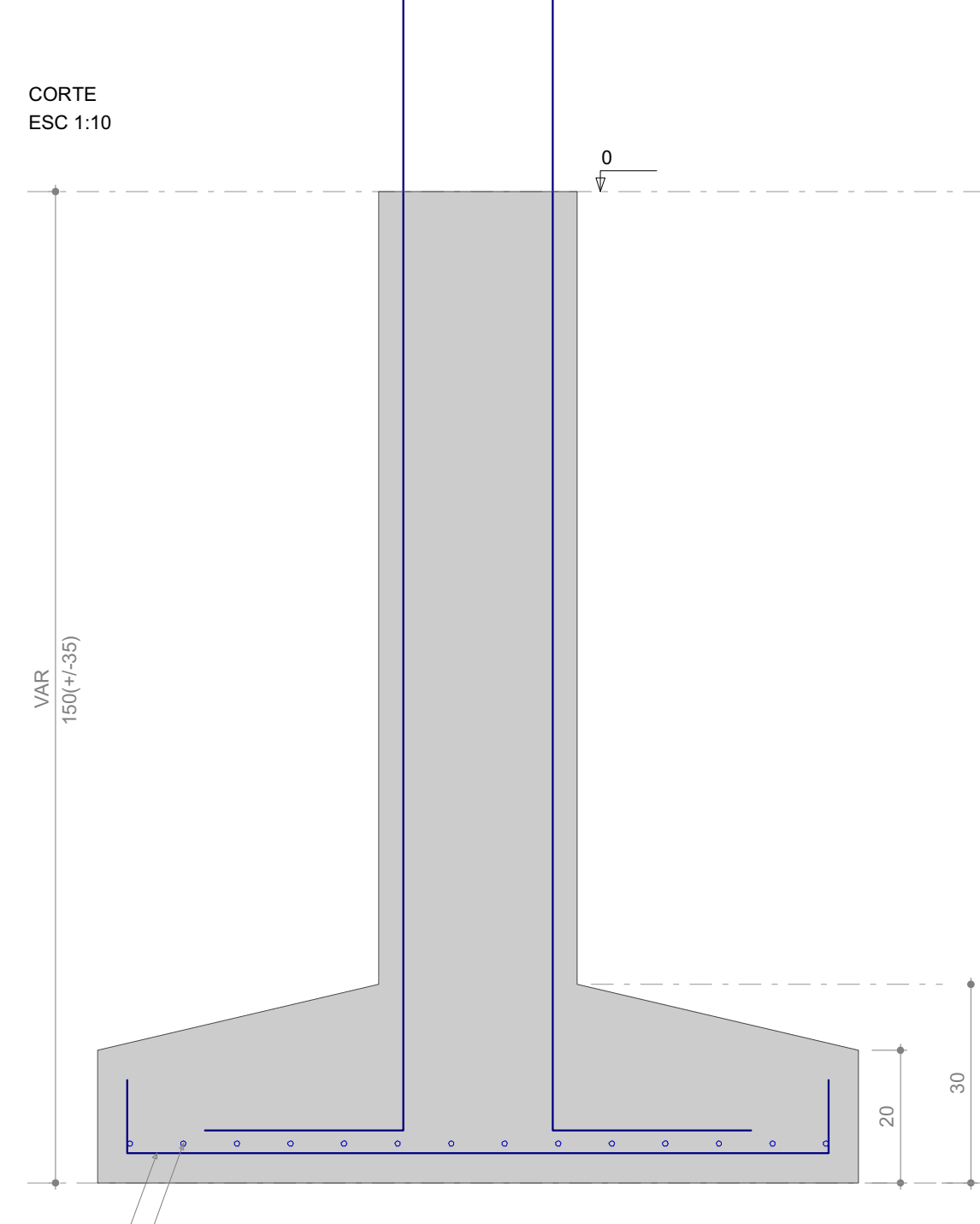
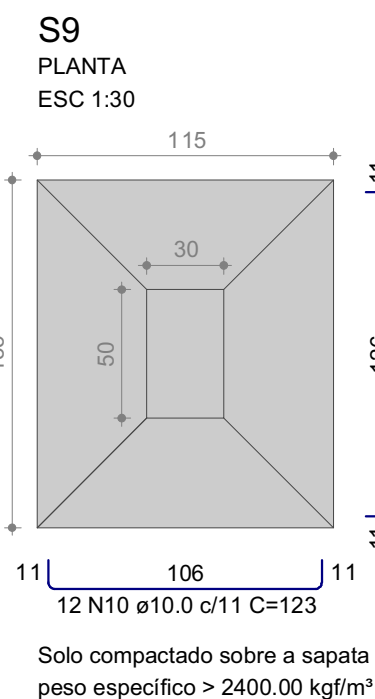
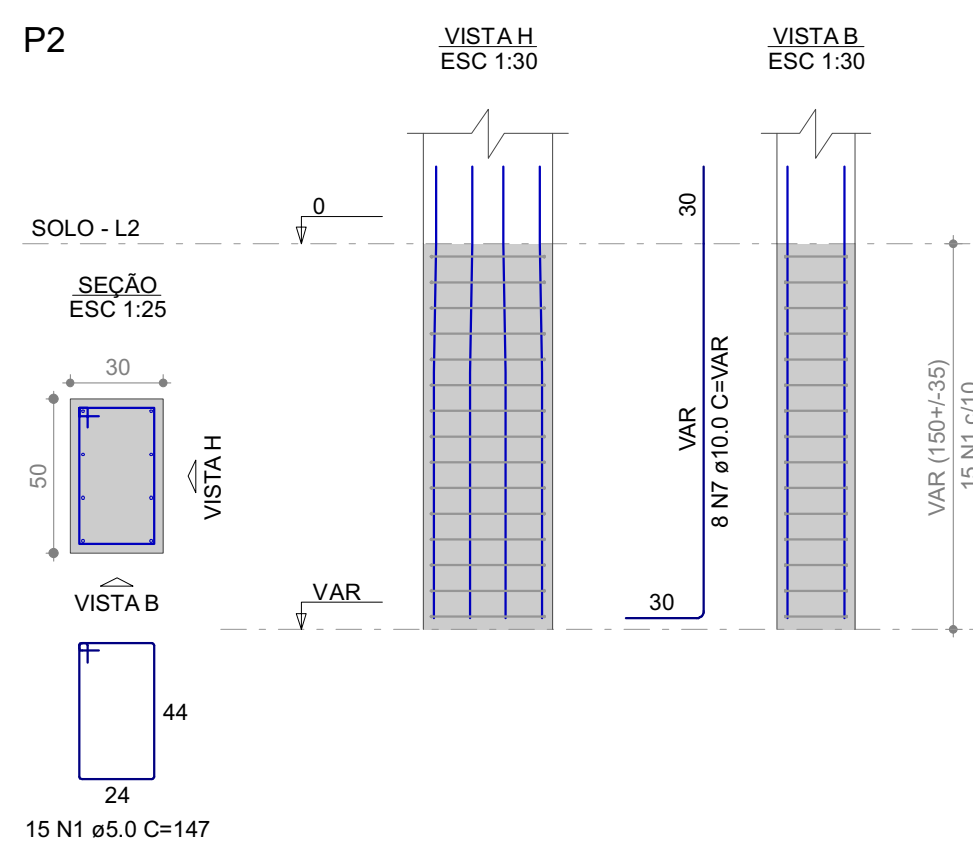
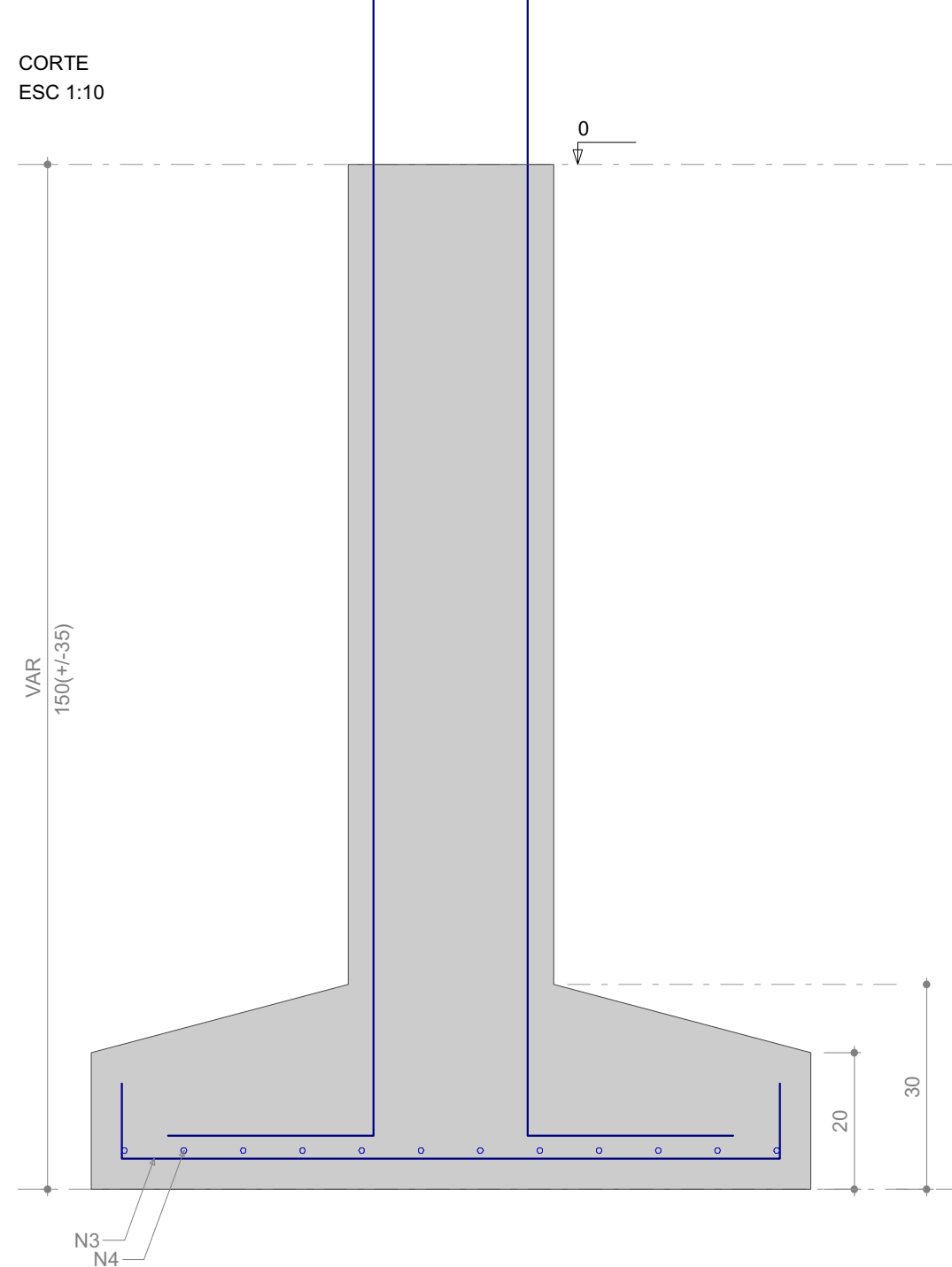
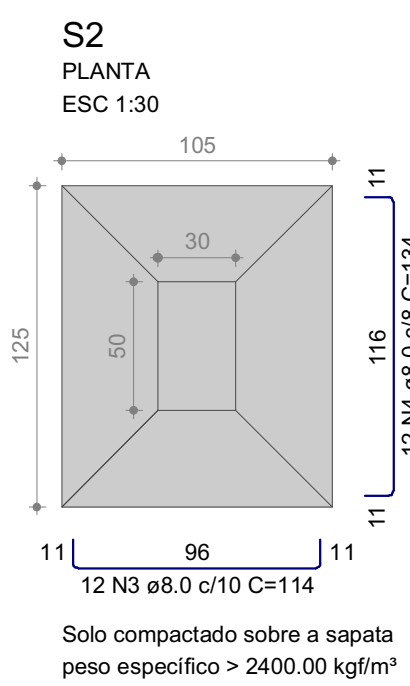
Legenda dos pilares	
	Pilar que passa
	Pilar pré-moldado que passa

Legenda das vigas e paredes	
	Viga

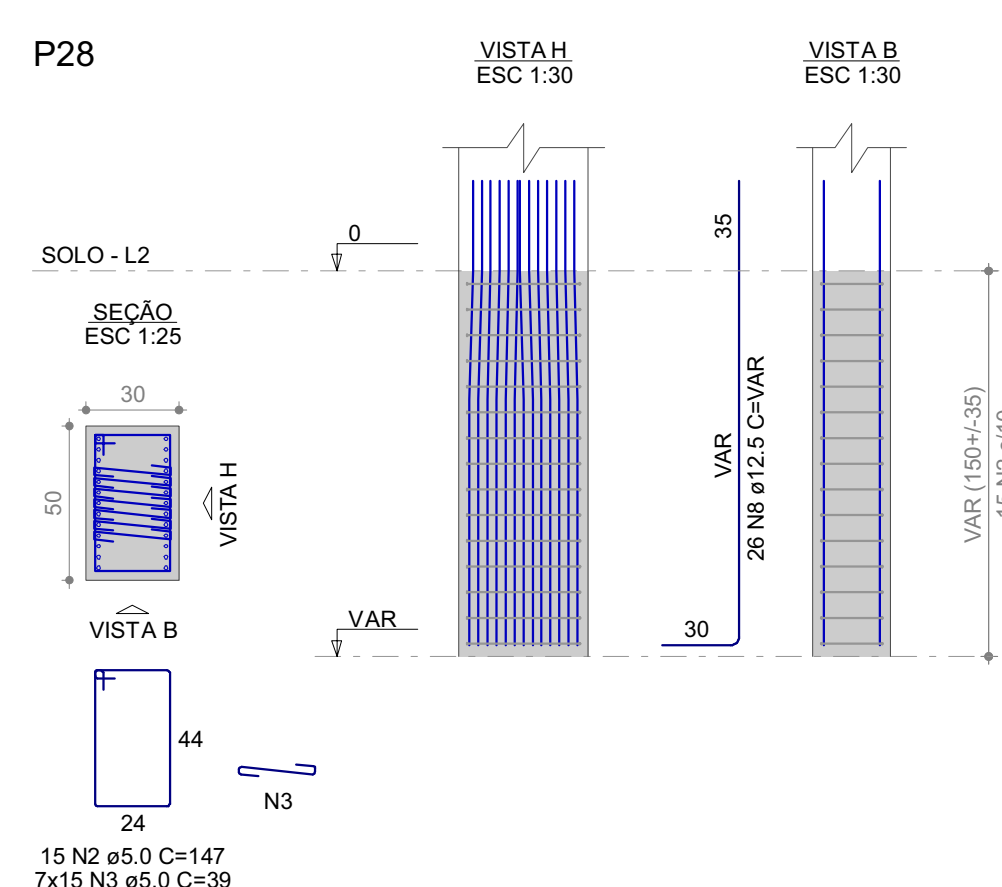
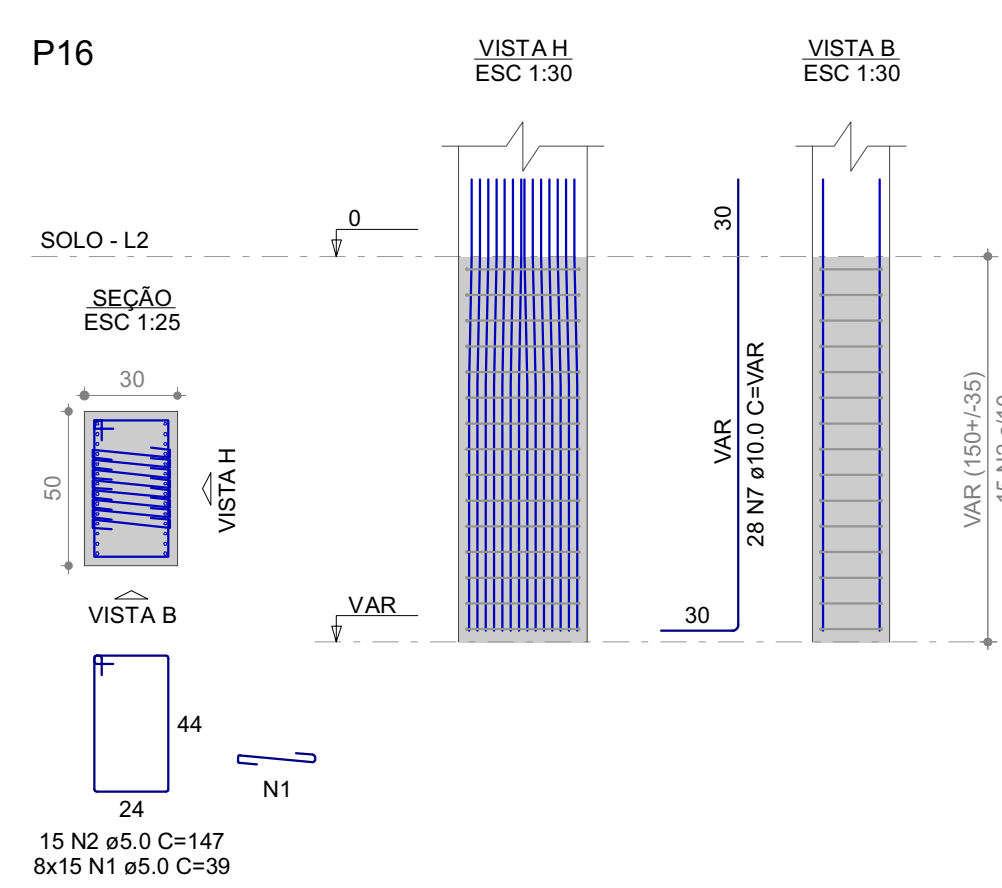
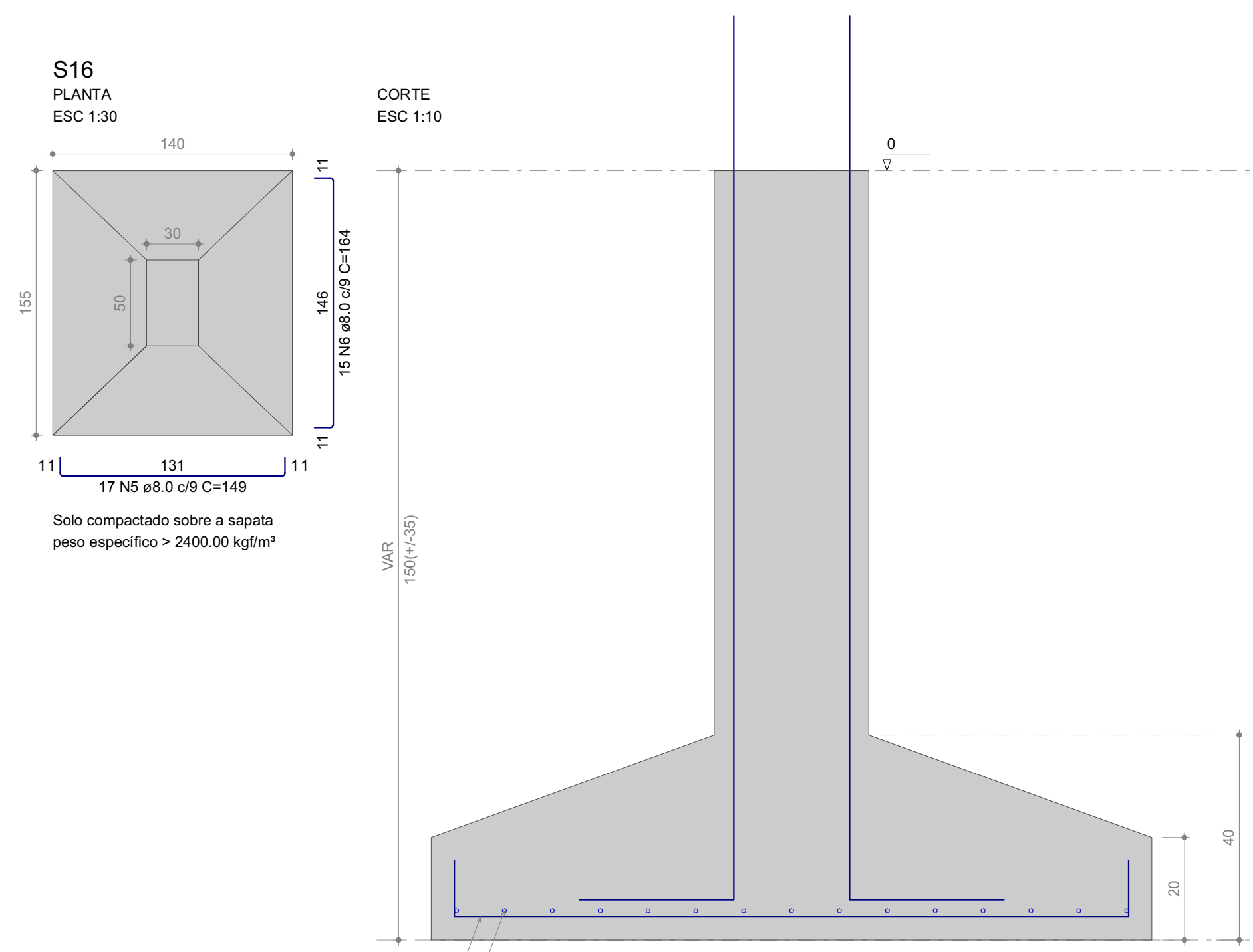


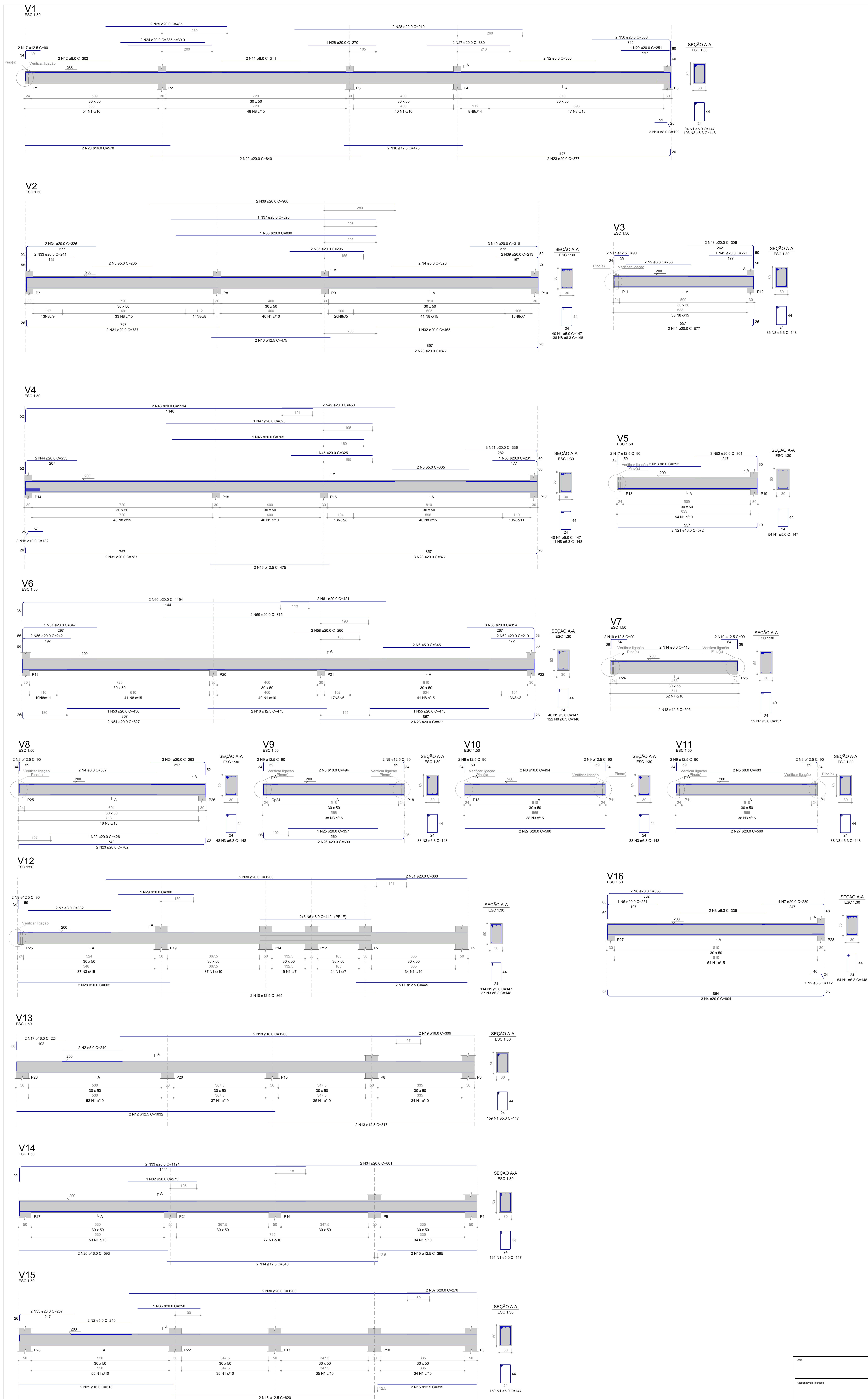


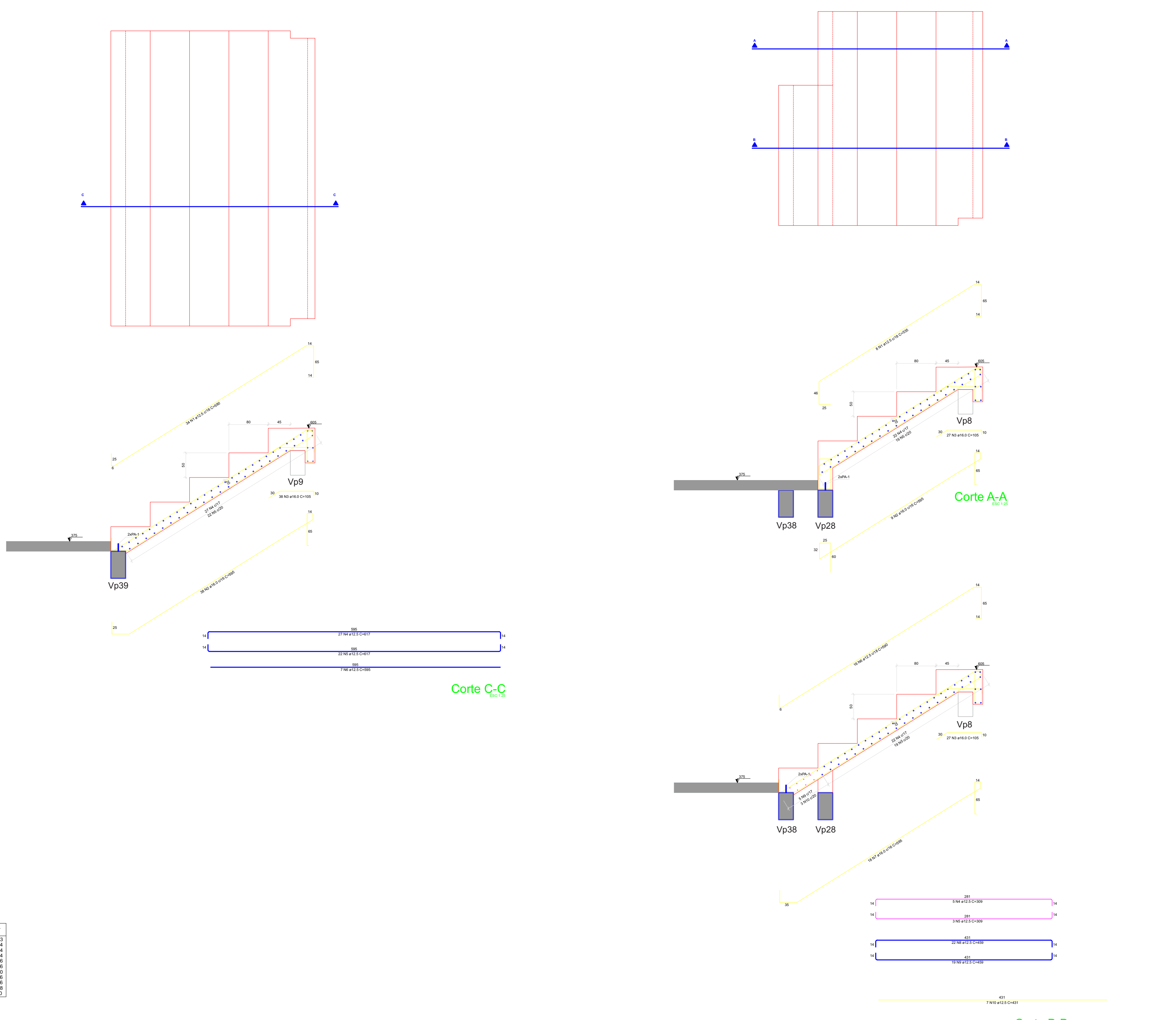
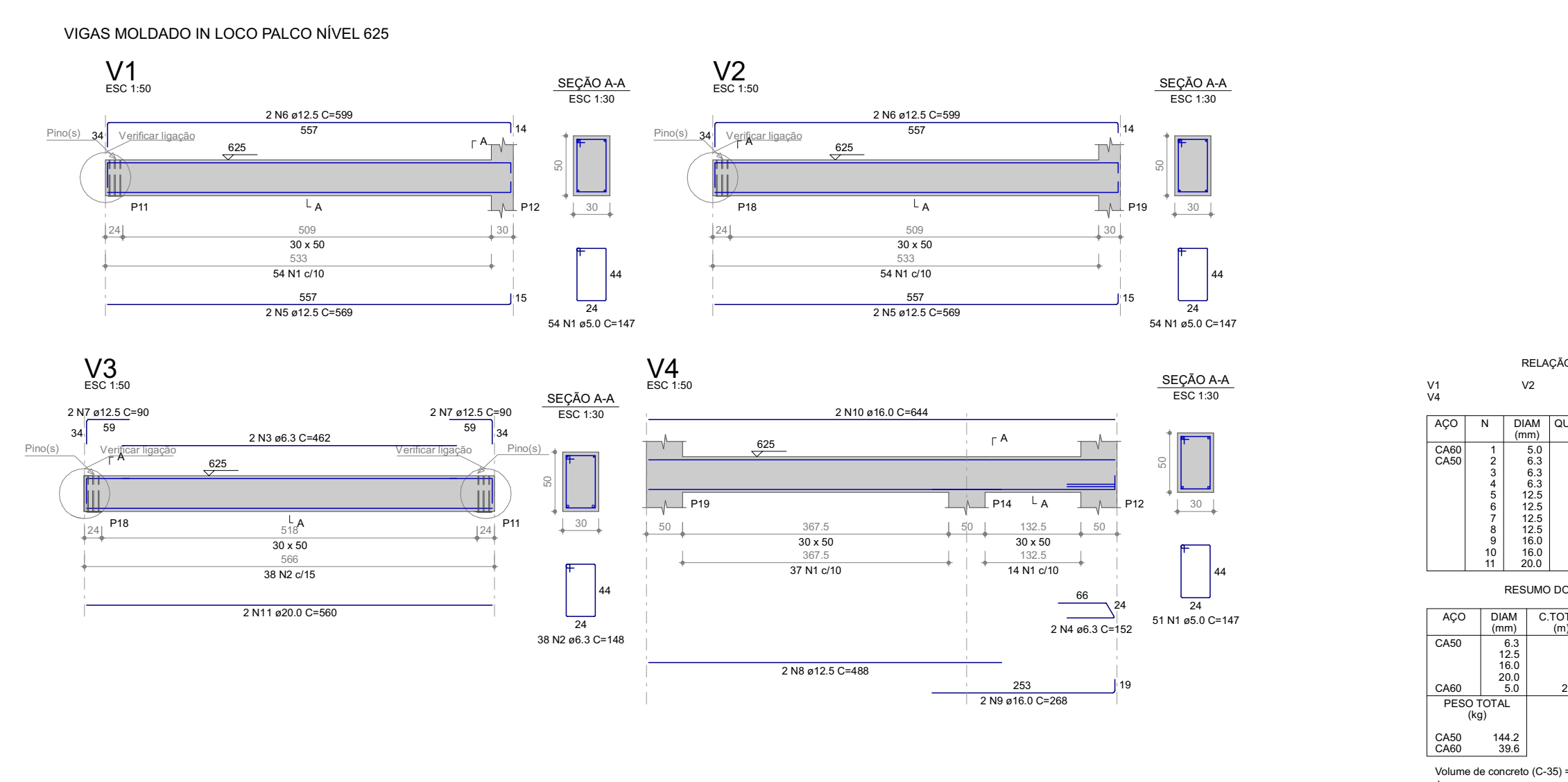


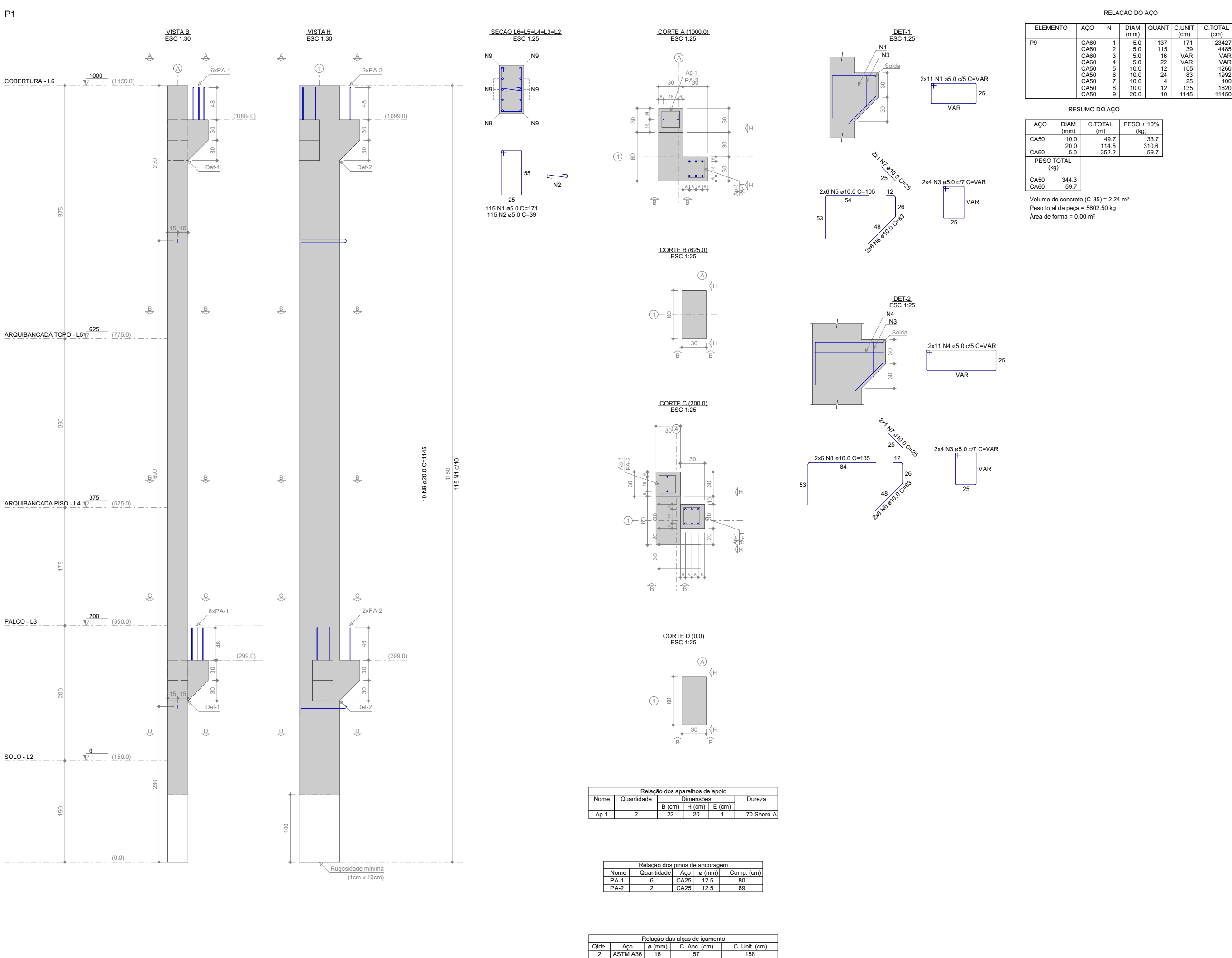


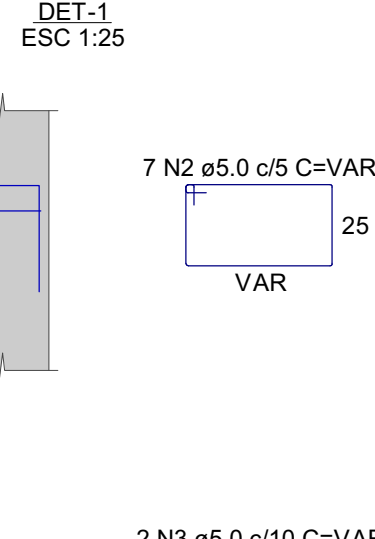
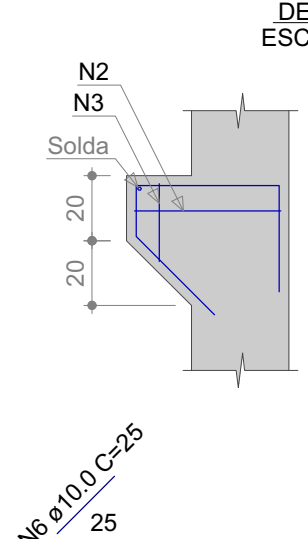
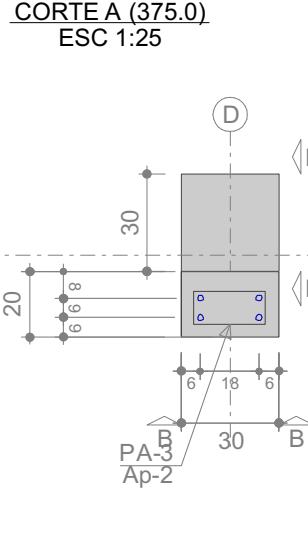
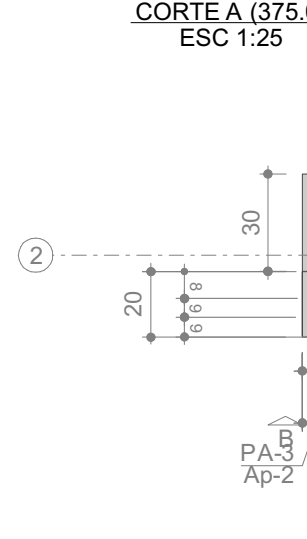
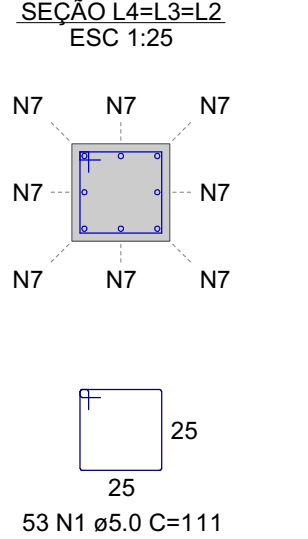
Outra			
ARENA CULTURAL			
Av. Paulo Faria, 2738 - Arinos, Moinhos - SC			
Responsáveis Técnicos			
Eng. Juliano Albrici			
CREASC 147974-4			
Projeto			
PROJETO ESTRUTURAL			
Conteúdo			
Sapatas pilares moldadas in loco de concreto			
Folha	Escala	Revisão	Data
1	Indicada	00	Novembro de 2025



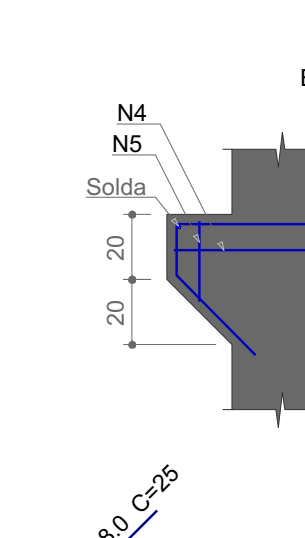
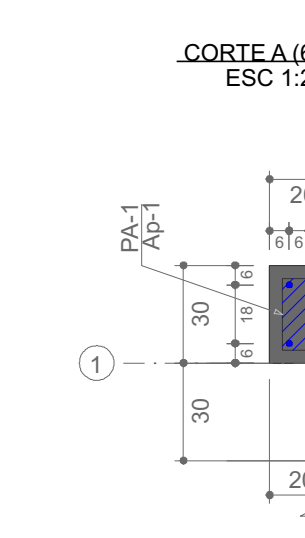
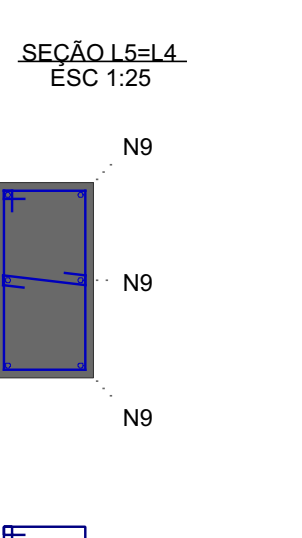








Relação das alças de içamento				
Qtde.	Aço	ϕ (mm)	C. Anc. (cm)	C. Unit. (cm)
2	ASTMA36	10	27	98



AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	78	171	13338
	2	5,0	43	40	1720
	3	5,0	35	39	1365
	4	5,0	14	VAR	VAR
	5	5,0	4	VAR	VAR
CA50	6	8,0	12	75	900
	7	8,0	12	57	684
	8	8,0	2	25	50
	9	16,0	6	468	2808
	10	20,0	6	403	2418

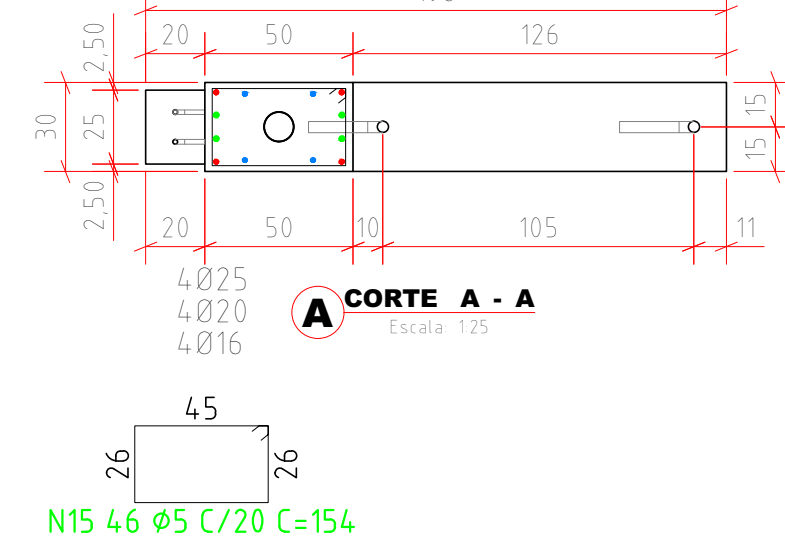
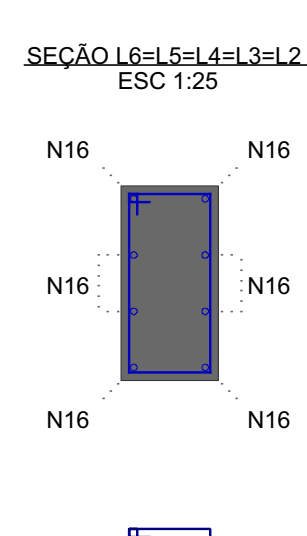
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	16.4	7.1
	16.0	28.1	48.8
	20.0	24.2	65.6
CA60	5.0	189.8	32.2

Volume de concreto (C-35) = 1.44 m³
Peso total = 3600 kg

Relação dos aparelhos de apoio					
Nome	Quantidade	Dimensões			Dureza
		B (cm)	H (cm)	E (cm)	
Ap-1	1	22	10	1	70 Shore A

Relação dos pinos de ancoragem				
Nome	Quantidade	Aço	ø (mm)	Comp. (cm)
PA-1	4	CA25	12,5	71

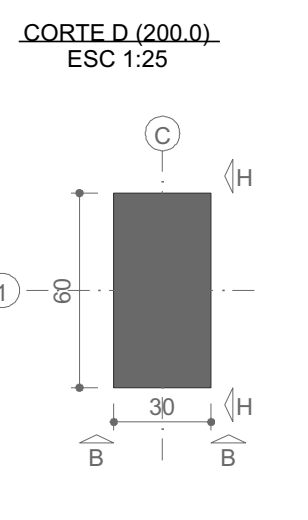
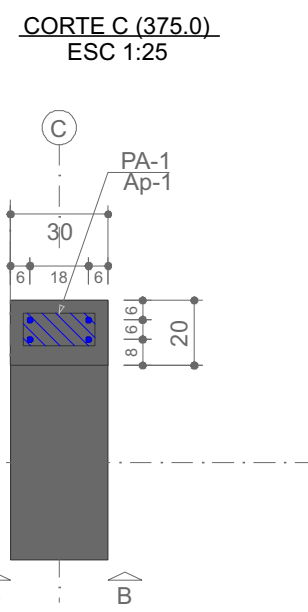
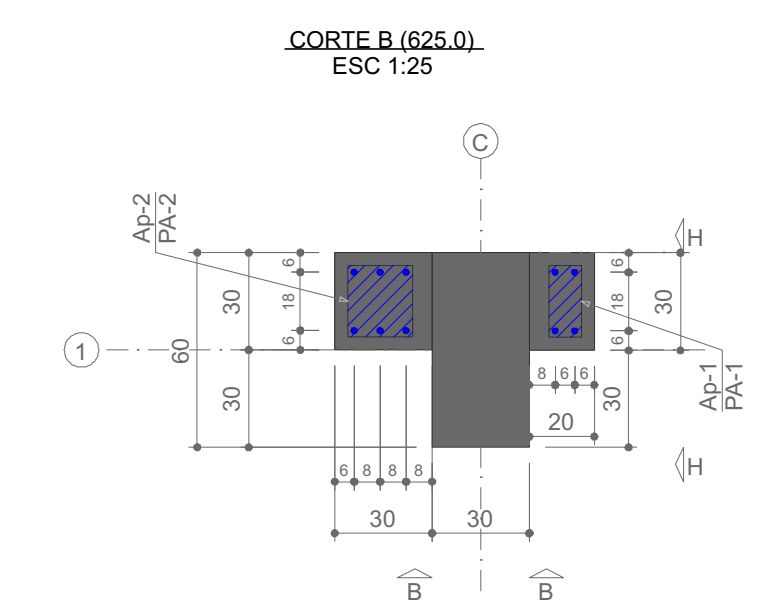
Relação das alças de içamento				
Cód.	Aço	a (mm)	C. Anc. (cm)	C. Unit. (cm)
2	ASTMA36	16	57	158



AÇO	N	DIAM (mm)	QUANT	C. UNIT (kg)	C. TOTAL (kg)
CA60	1	5,0	120	171	20520
	2	5,0	5	101	505
	3	5,0	7	VAR	VAR
	4	5,0	4	VAR	VAR
	5	5,0	7	VAR	VAR
CA50	6	5,0	4	211	844
	7	6,3	8	92	736
	8	6,3	8	50	400
	9	6,3	1	25	25
	10	8,0	6	71	426
	11	8,0	6	61	366
	12	8,0	3	25	75
	13	8,0	6	75	450
	14	8,0	12	57	684
	15	8,0	6	105	630
	20,0	8	1145	9160	

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	11.7	3.1
	8.0	26.4	11.4
	20.0	91.6	248.5
CA60	5.0	248.4	42.1
PESO TOTAL (kg)			
CA50	263		
CA60	42.1		

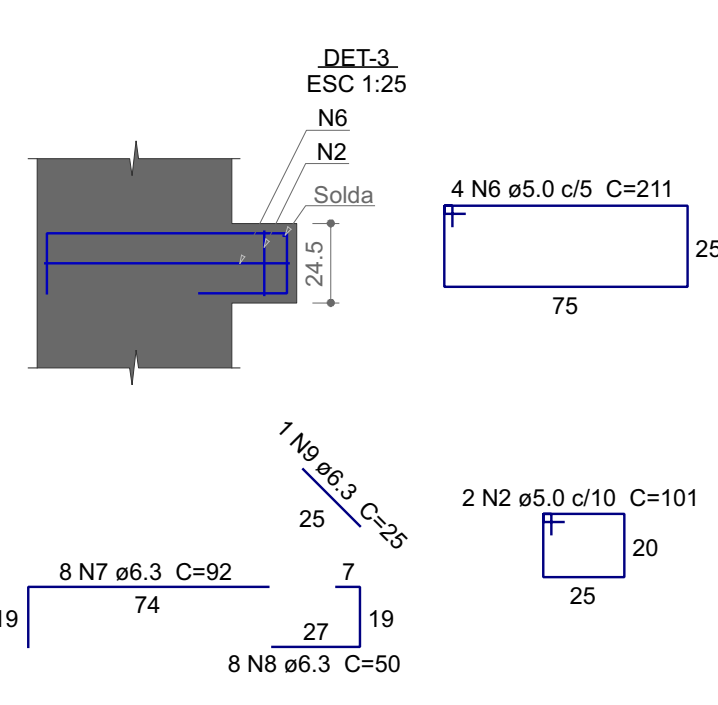
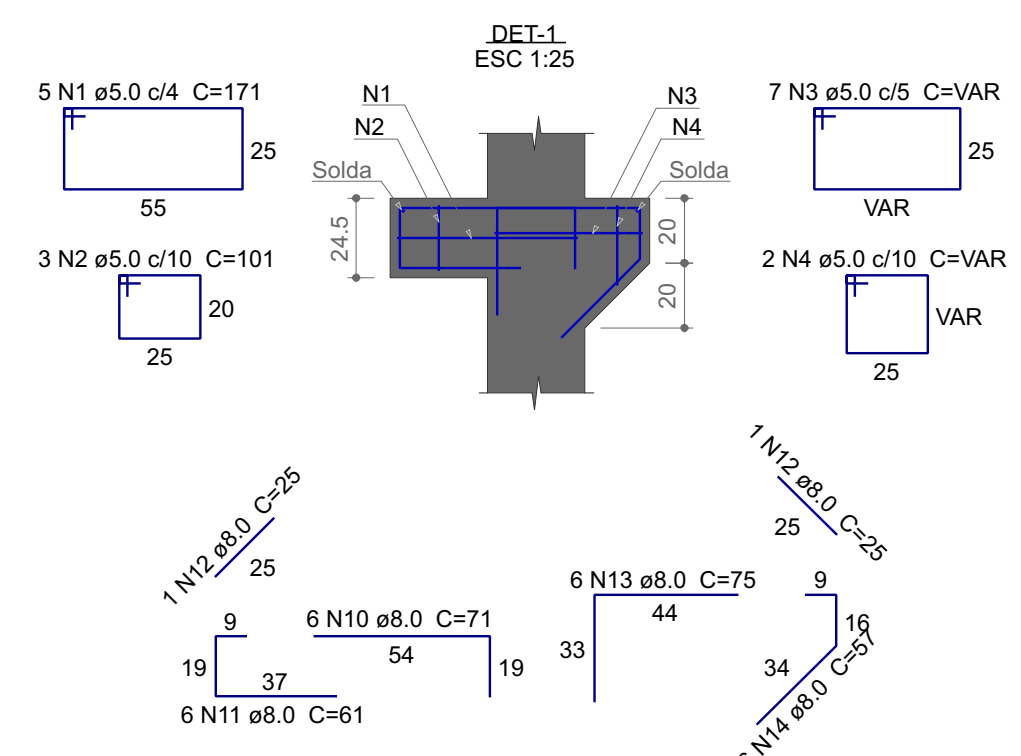
Volume de concreto (C-35) = 2.15 m³
Peso total = 5379.38 kg



Relação dos aparelhos de apoio					
Nome	Quantidade	Dimensões			Dureza
		B (cm)	H (cm)	E (cm)	
Ap-1	1	22	10	1	70 Shore A
Ap-2	1	22	20	1	70 Shore A

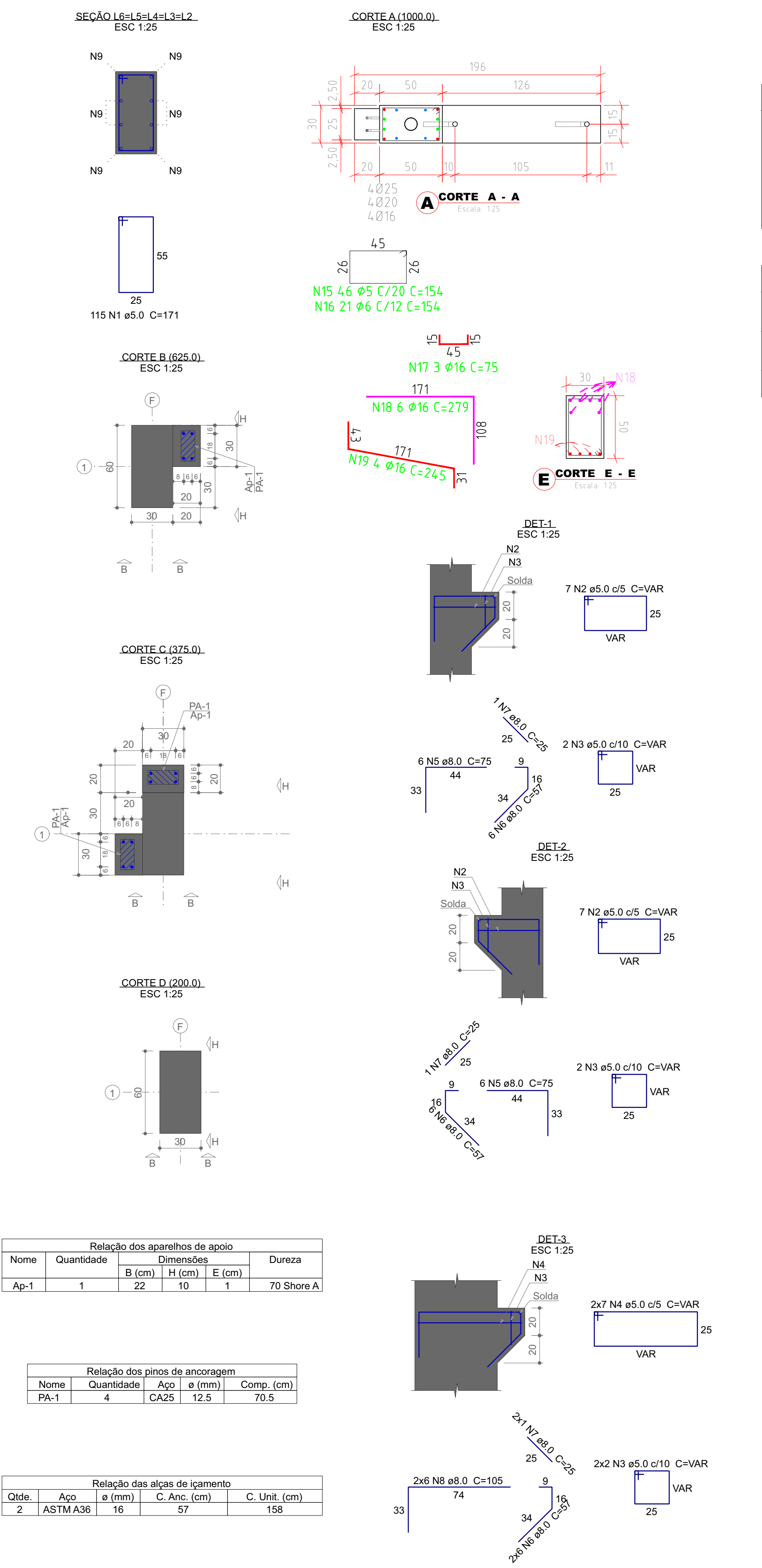
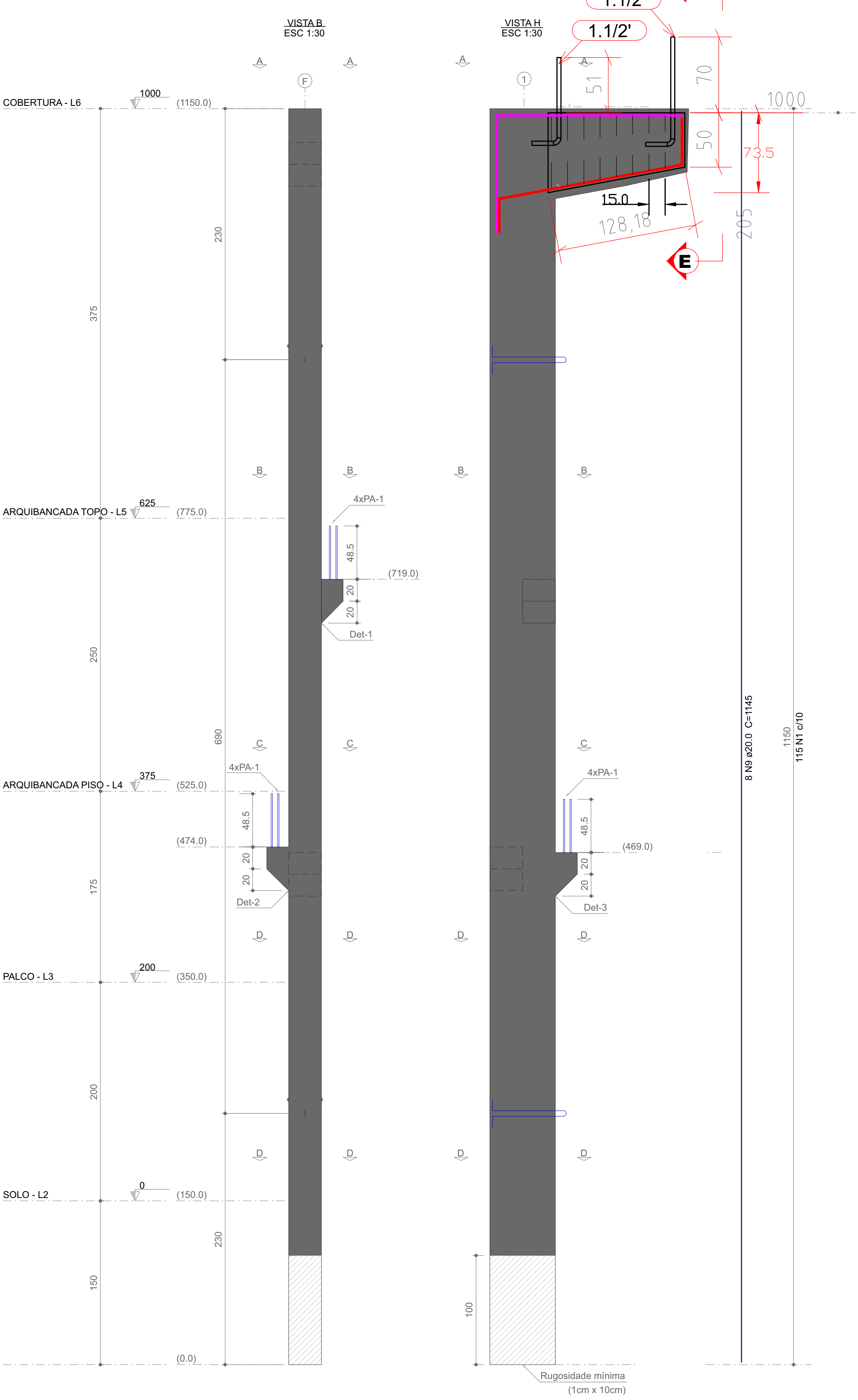
Relação dos pinos de ancoragem				
Nome	Quantidade	Aço	ø (mm)	Comp. (cm)
PA-1	4	CA25	12,5	70,5
PA-2	6	CA25	12,5	72

Relação das alças de içamento			
Qtde.	Aço	ø (mm)	C. Anc. (cm)
2	ASTMA36	16	57
			C. Unif. (cm)
			158



Dire		ARENA CULTURAL Avenida Pío del Valle, 2728 - Arica, Región - CH	
Responsables Técnicos			
		Ing. Julliyán Aburto CRILASC 147974	
Proyecto ESTRUCTURAL			
Construcción			
Plazas por instalar			
Firma	Zona	Período	Fecha
1	Indicada	00	Noviembre de 2025

P37-P47-P57-P67-P77-P87

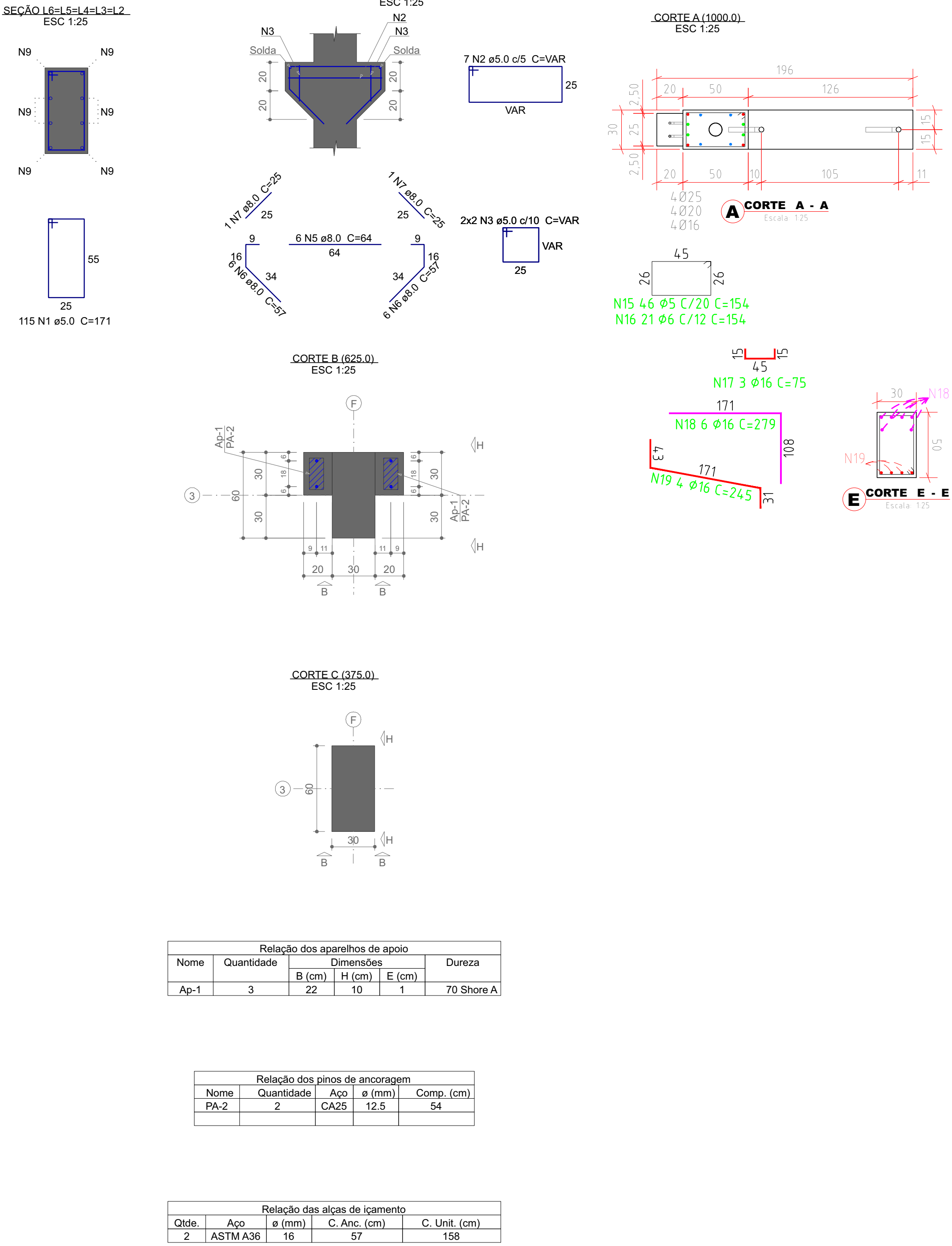
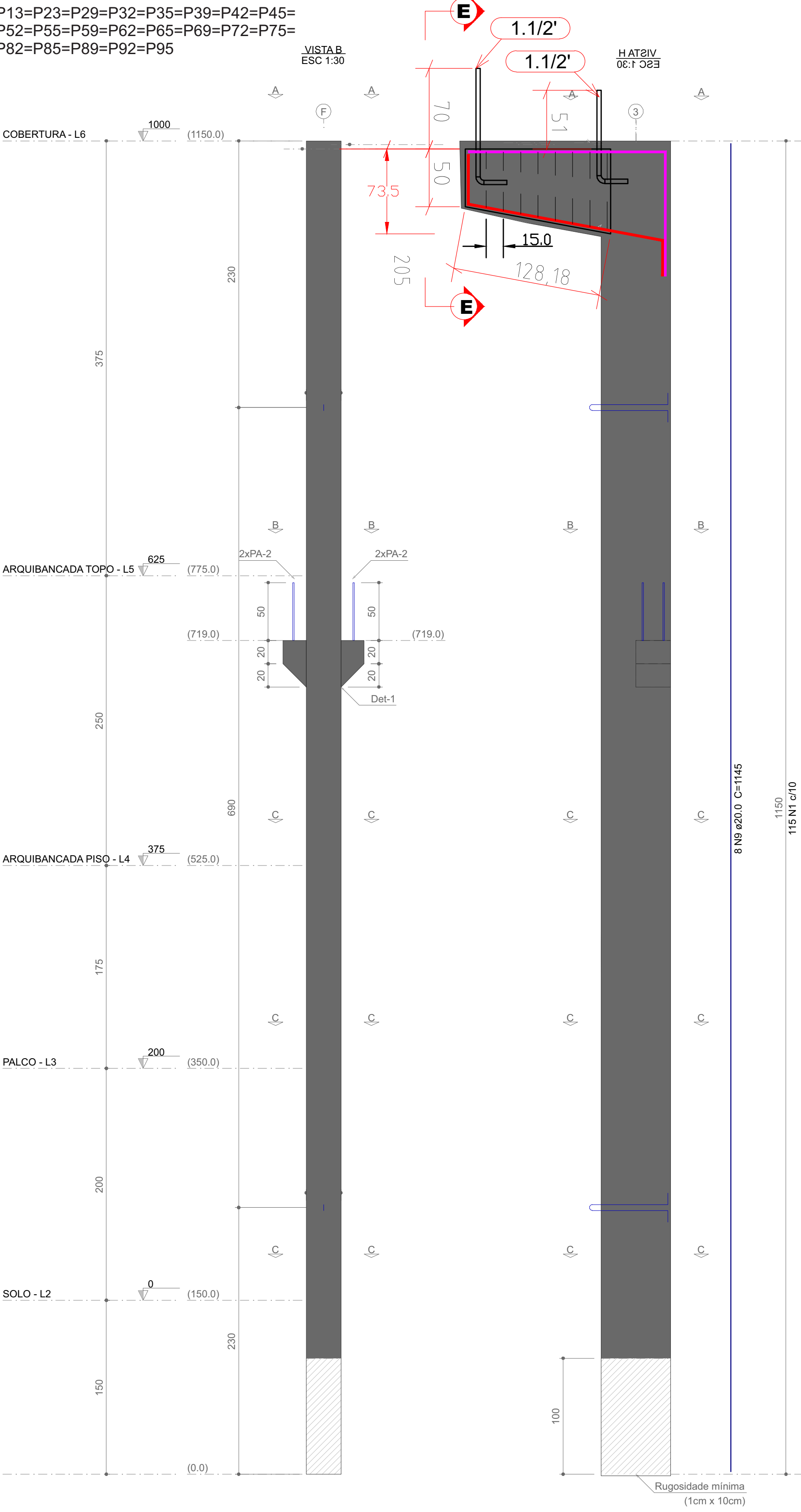


Relação dos aparafusos de apoio					
Nome	Quantidade	Dimensões		Dureza	
		B (cm)	H (cm)	E (cm)	
Ap-1	1	22	10	1	70 Shore A

Relação dos pinos de ancoragem				
Nome	Quantidade	Aço	Ø (mm)	Comp. (cm)
PA-1	4	CA50	12.5	70.5

Relação das alças de içamento				
Ord.	Aço	Ø (mm)	C. Anc. (cm)	C. Unit. (cm)
2	ASTM A36	16	57	158

P06=P13=P23=P29=P32=P35=P39=P42=P45=
P49=P52=P55=P59=P62=P65=P69=P72=P75=
P79=P82=P85=P89=P92=P95



Relação dos aparafusos de apoio					
Nome	Quantidade	Dimensões		Dureza	
		B (cm)	H (cm)	E (cm)	
Ap-1	3	22	10	1	70 Shore A

Relação dos pinos de ancoragem				
Nome	Quantidade	Aço	Ø (mm)	Comp. (cm)
PA-2	2	CA50	12.5	54

Relação das alças de içamento				
Ord.	Aço	Ø (mm)	C. Anc. (cm)	C. Unit. (cm)
2	ASTM A36	16	57	156

