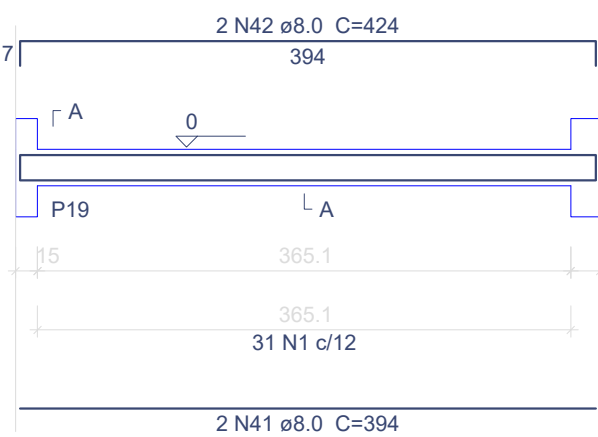


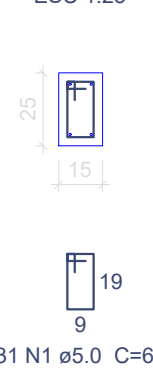
VB24

ESC 1:50



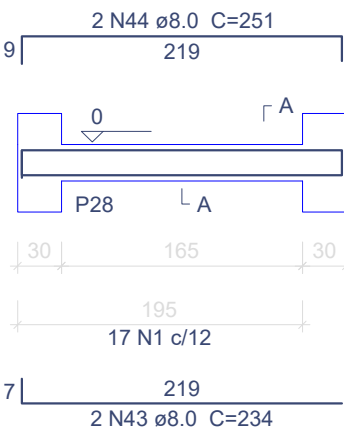
SEÇÃO A-A

ESC 1:25



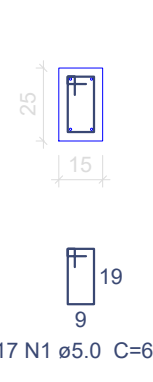
VB25

ESC 1:50



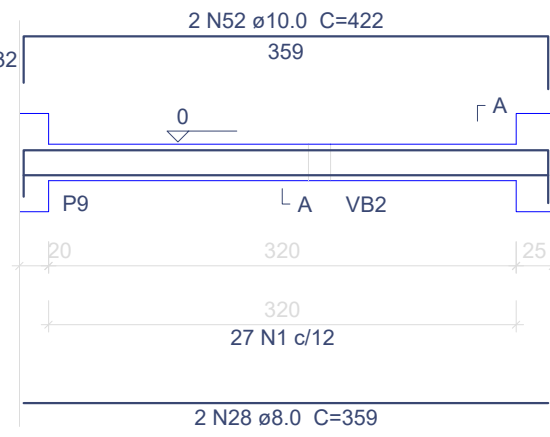
SEÇÃO A-A

ESC 1:25



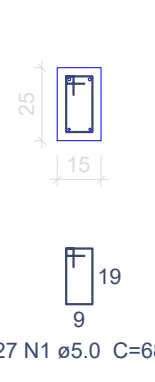
VB26

ESC 1:50



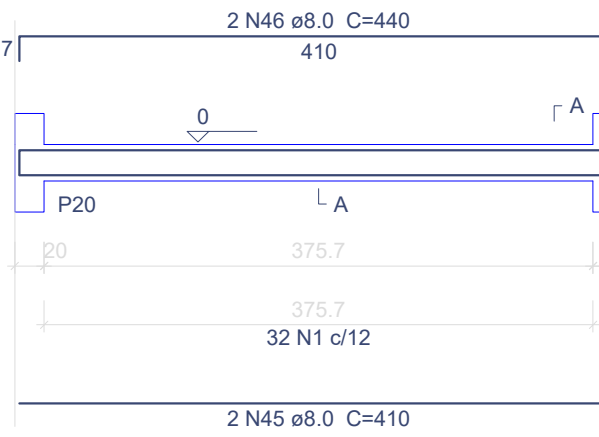
SEÇÃO A-A

ESC 1:25



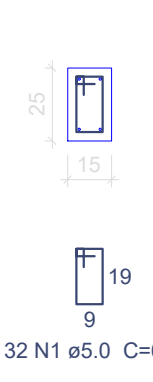
VB27

ESC 1:50



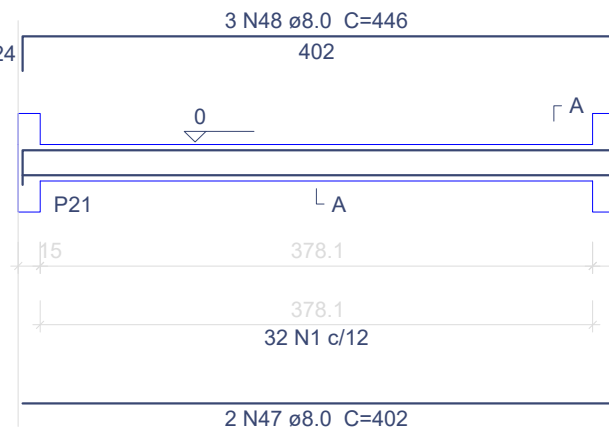
SEÇÃO A-A

ESC 1:25



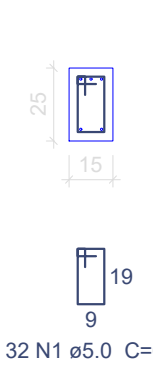
VB28

ESC 1:50



SEÇÃO A-A

ESC 1:25



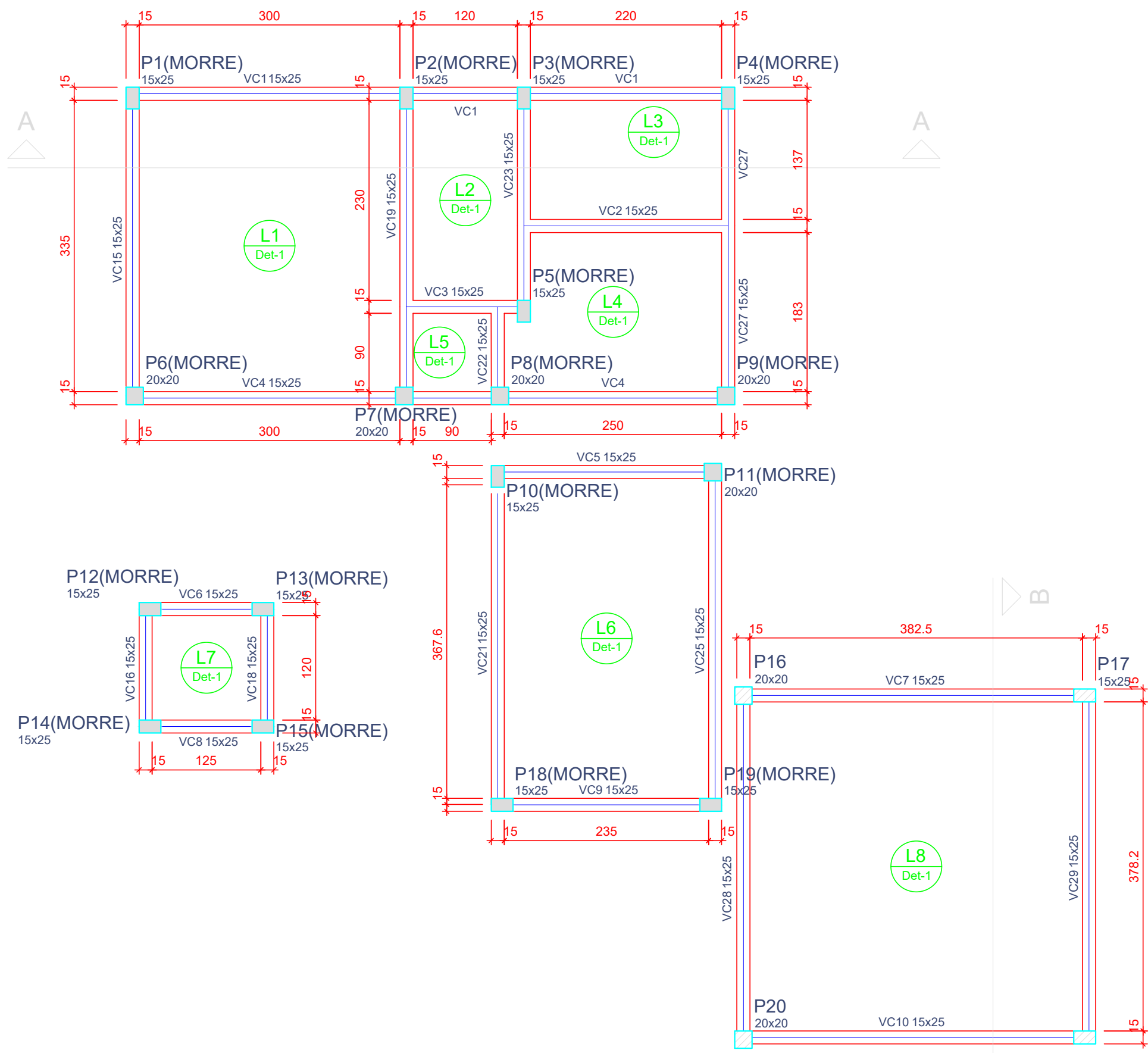
Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
12xP1	1	5.0	456	68	31008
P17	2	5.0	168	68	11424
4xP22	3	5.0	48	88	4224
	4	10.0	88	277	24376
	5	10.0	28	318	8904
	6	10.0	6	75	450
	7	12.5	6	94	564

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	337.3	228.8
CA60	5.0	466.6	79.1
PESO TOTAL (kg)			
CA50		234.7	
CA60		79.1	

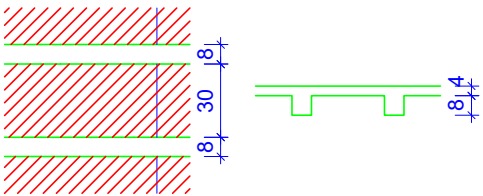
Volume de concreto (C-25) = 3.11 m³  
Área de forma = 63.84 m²



Vigas				
Nome	Seção (cm)	Elevação (cm)	Nível (cm)	
VC1	15x25	0	280	
VC2	15x25	0	280	
VC3	15x25	0	280	
VC4	15x25	0	280	
VC5	15x25	0	280	
VC6	15x25	0	280	
VC7	15x25	0	280	
VC8	15x25	0	280	
VC9	15x25	0	280	
VC10	15x25	0	280	
VC11	15x25	0	280	
VC12	15x25	0	280	
VC13	15x25	0	280	
VC14	15x25	0	280	
VC15	15x25	0	280	
VC16	15x25	0	280	
VC17	15x25	0	280	
VC18	15x25	0	280	
VC19	15x25	0	280	
VC20	15x25	0	280	
VC21	15x25	0	280	
VC22	15x25	0	280	
VC23	15x25	0	280	
VC24	15x25	0	280	
VC25	15x25	0	280	
VC26	15x25	0	280	
VC27	15x25	0	280	
VC28	15x25	0	280	
VC29	15x25	0	280	

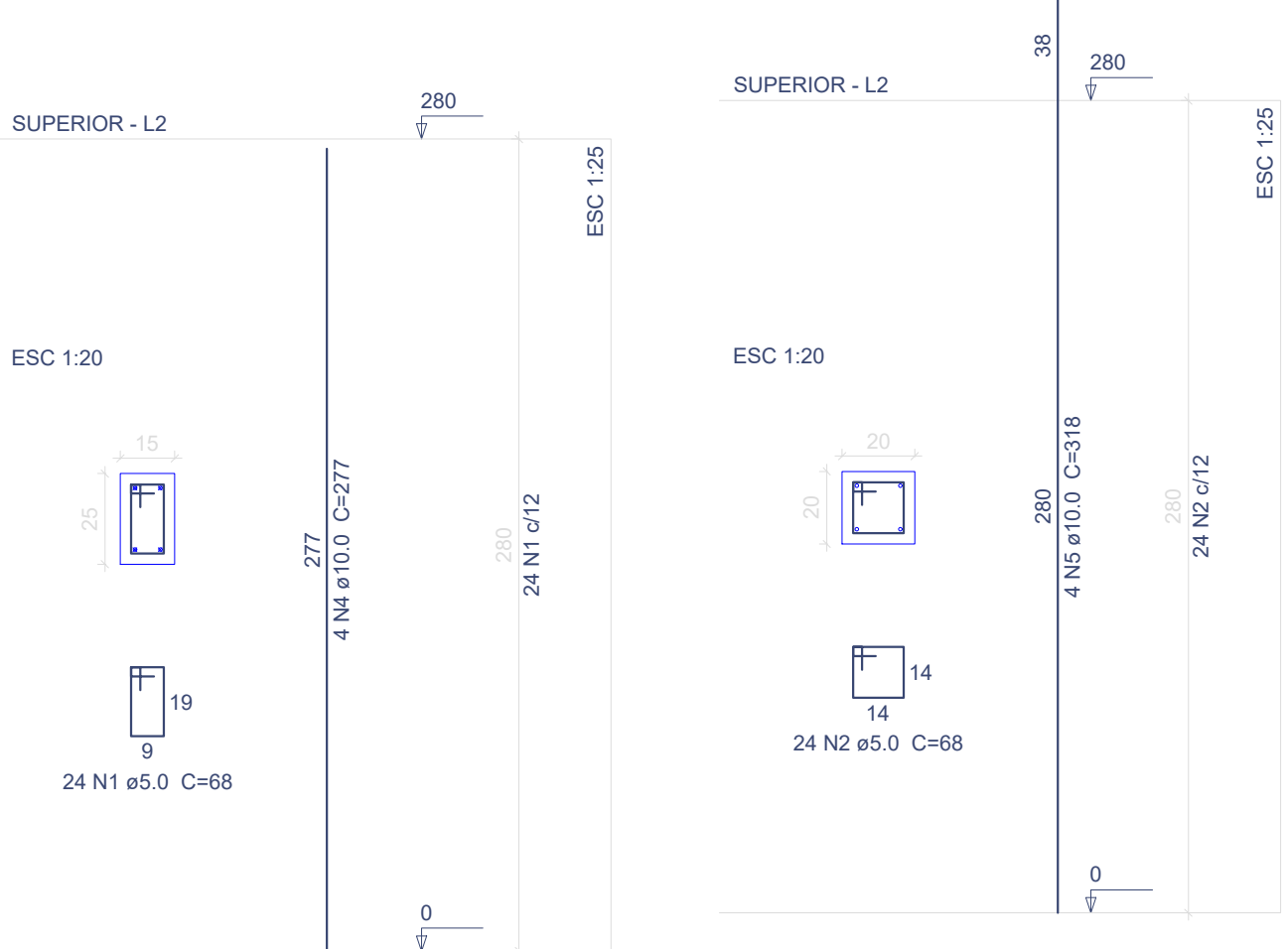
Características dos materiais		
fck	Ecs	
(kgf/cm²)	(kgf/cm³)	
250	238000	

Detalhe 1 (esc. 1:30)

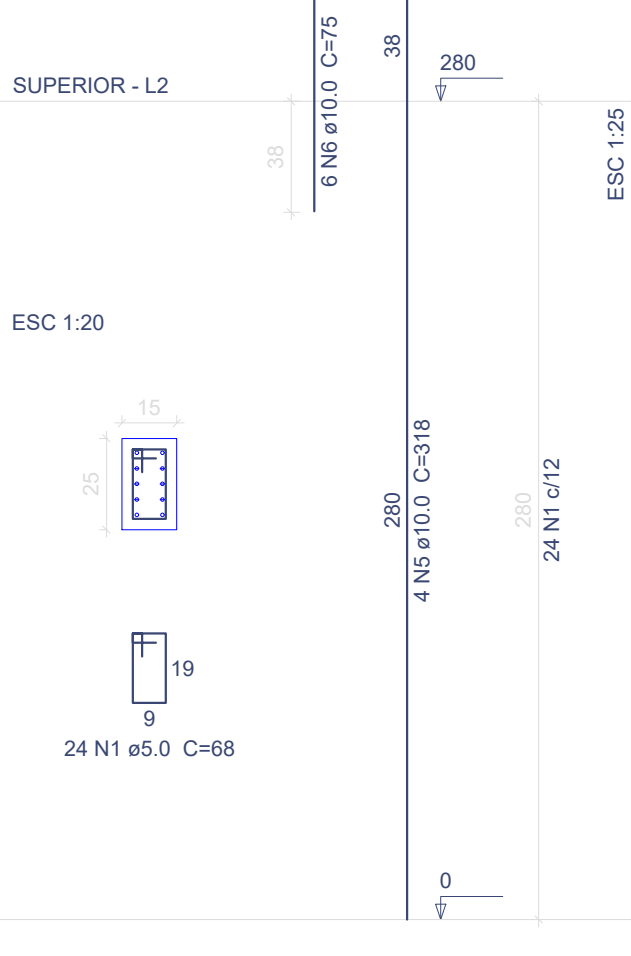


Blocos de enchimento				
Detalhe	Tipo	Nome	Dimensões (cm)	Quantidade
1	EPS Unidirecional	B8/30/125	hb bx by	
			8 30 125	181

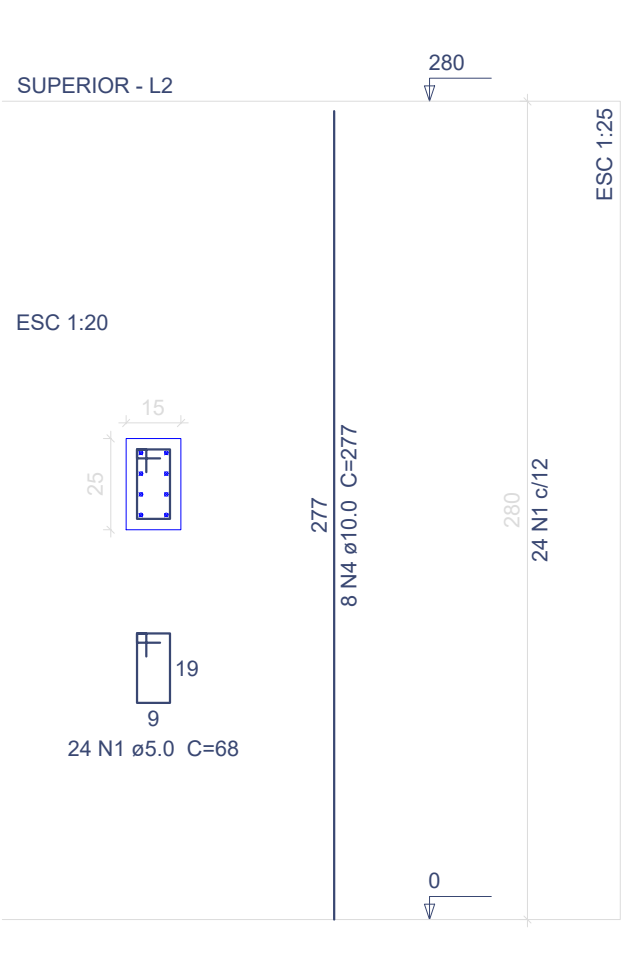
P1=P2=P3=P4=P5=P10=P12=P13=P14=P15=P1P16=P20=P25



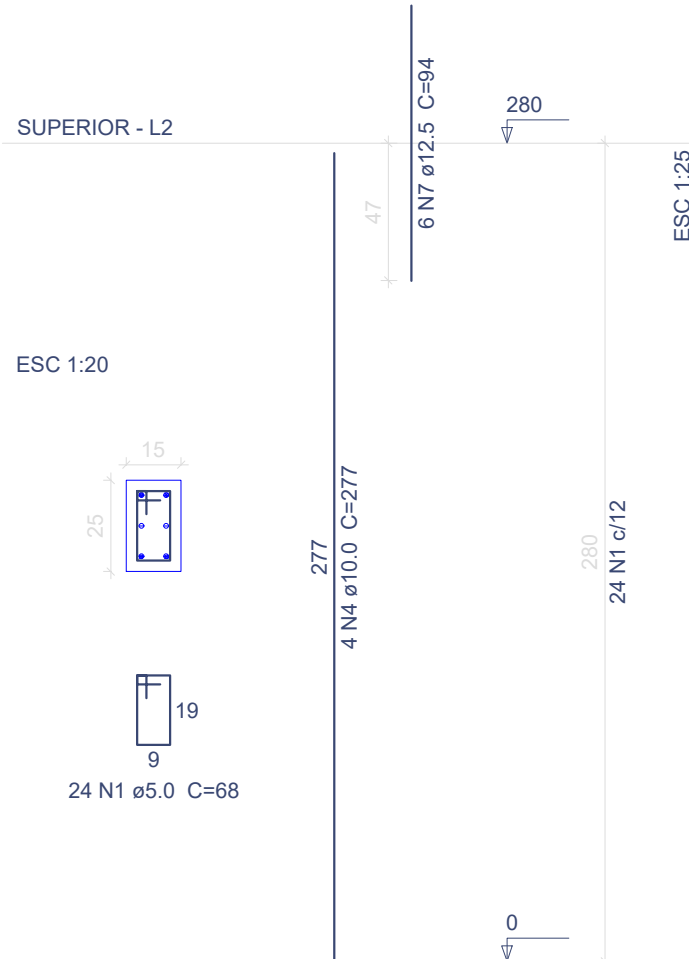
P17



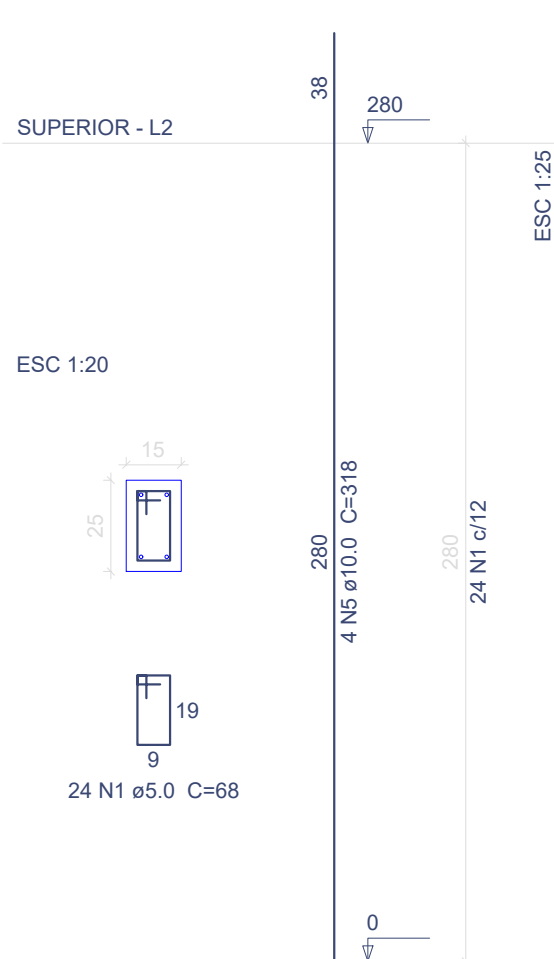
P18



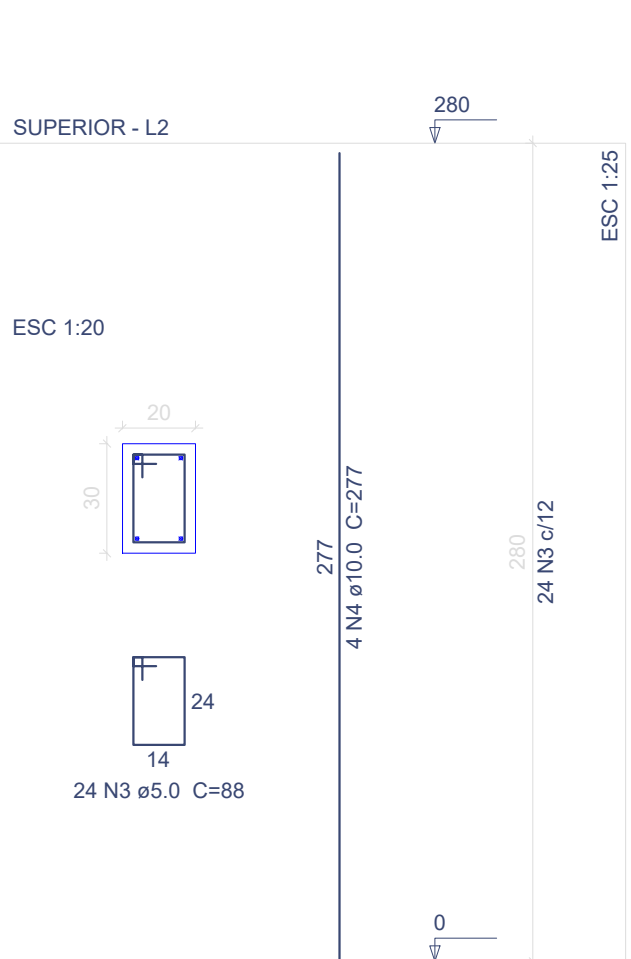
P21



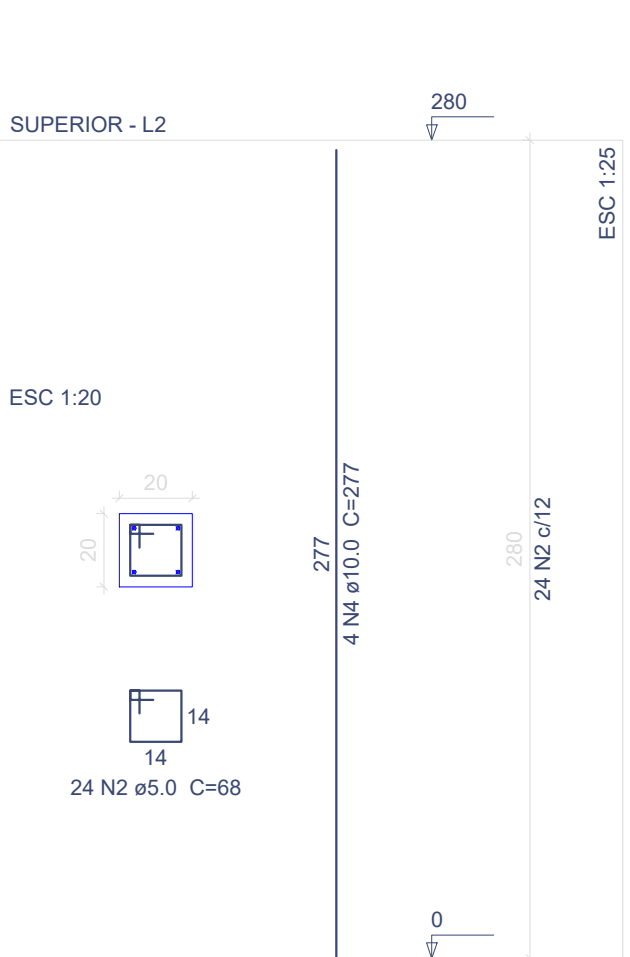
P22=P23=P26=P27



P24=P28



P6=P7=P8=P9=P11



Forma do pavimento SUPERIOR  
escala 1:50

**OBRA:**

**REFORMA - UBS**  
**CERRADO DA ROSEIRA | ÁREA RURAL**  
**PROJETO ESTRUTURAL - REFORMA**

**Prefeitura Municipal de Jaguaraiá**

Praça Izabel Branco 142 - Cidade Alta - Fone (43) 3535-9400 - Fax (43) 3535-9400  
Jaguaraiá - PR - CEP: 84.200-000 - CNPJ 76.910.900/0001-38

Secretaria Municipal de Infraestrutura e Habitação

**GESTÃO**

**2013-2016**  
**JOSÉ SLOBODA**  
**PREFEITO MUNICIPAL**

**TÍTULO:**

**LOCAÇÃO - BLOCOS - PILARES - VIGAS BALDRAMES**

**RESPONSÁVEL TÉCNICO:**  
Eng. Ana Claudia Krul  
CREA 69.540/D-PR

**DESENHO:**  
Ana Claudia Krul  
DATA:  
AGOSTO.2016

**PRANCHAS:**  
04/06  
ESCALA:  
INDICADA