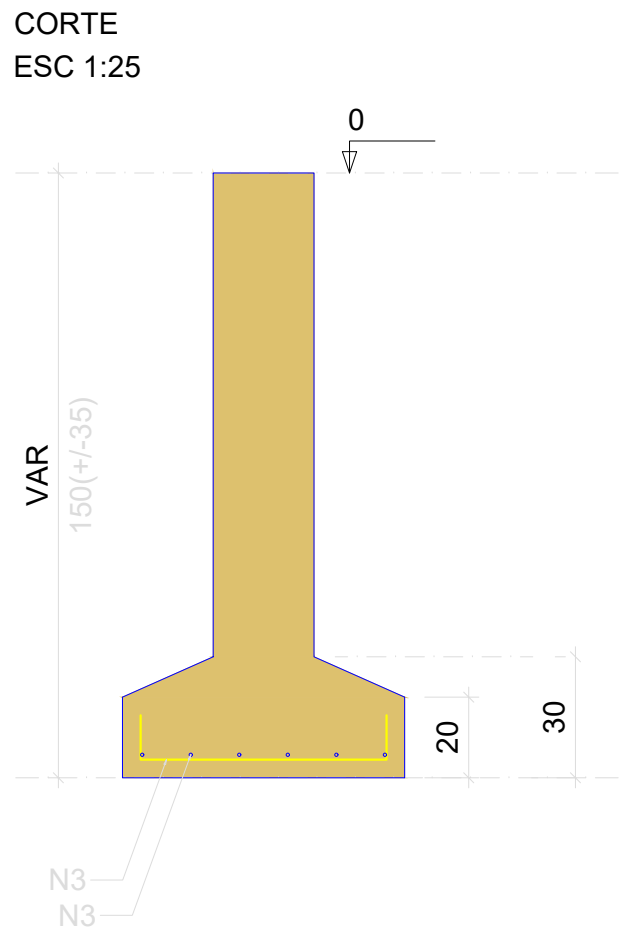
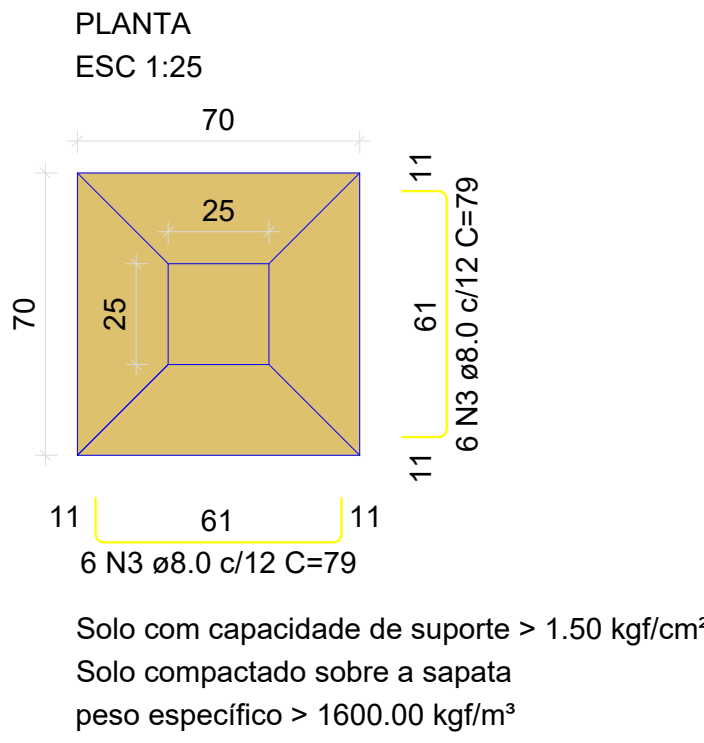
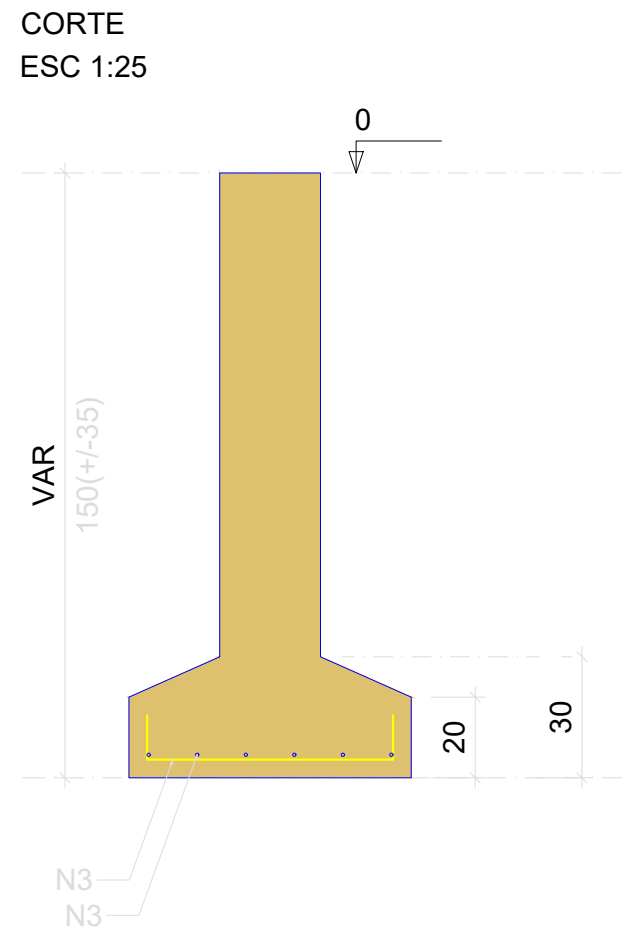


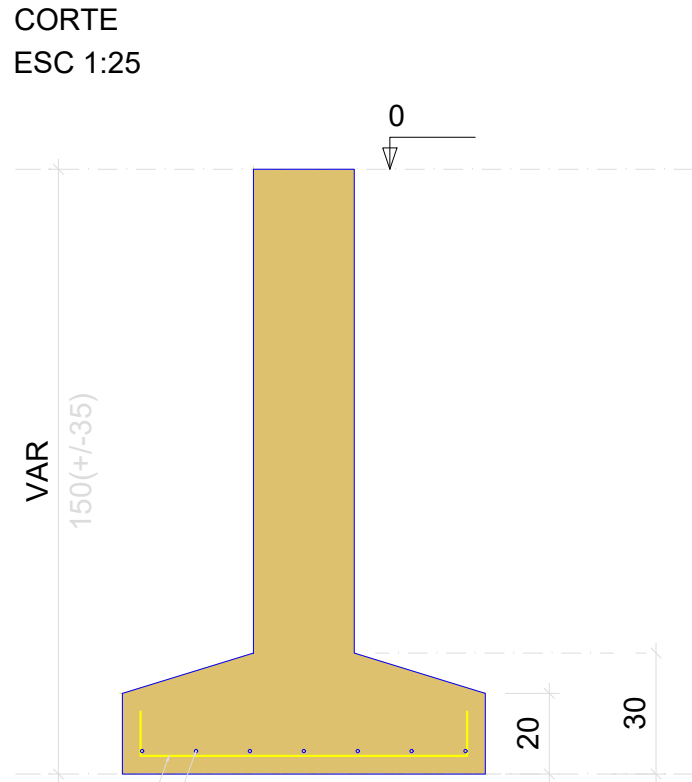
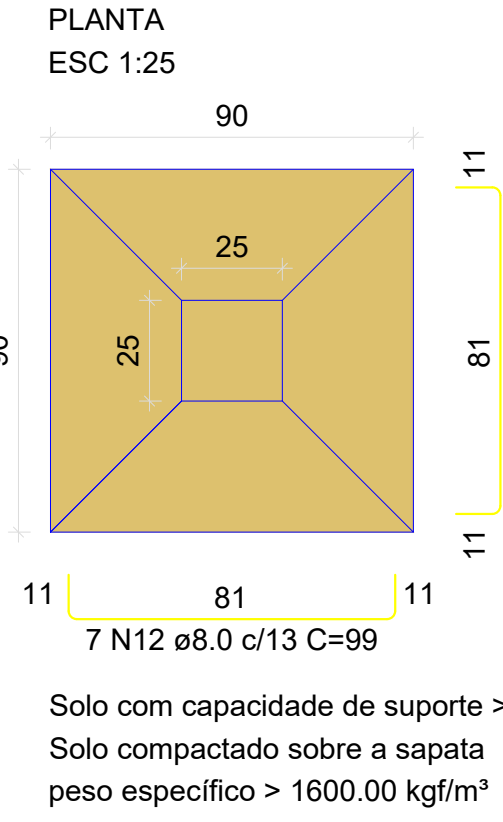
S1=S3=S4=S6=S16=S18=S22=S24=S31=S37=S39  
=S40=S42=S43=S45=S56=S58=S68=S69=S74  
=S77=S85



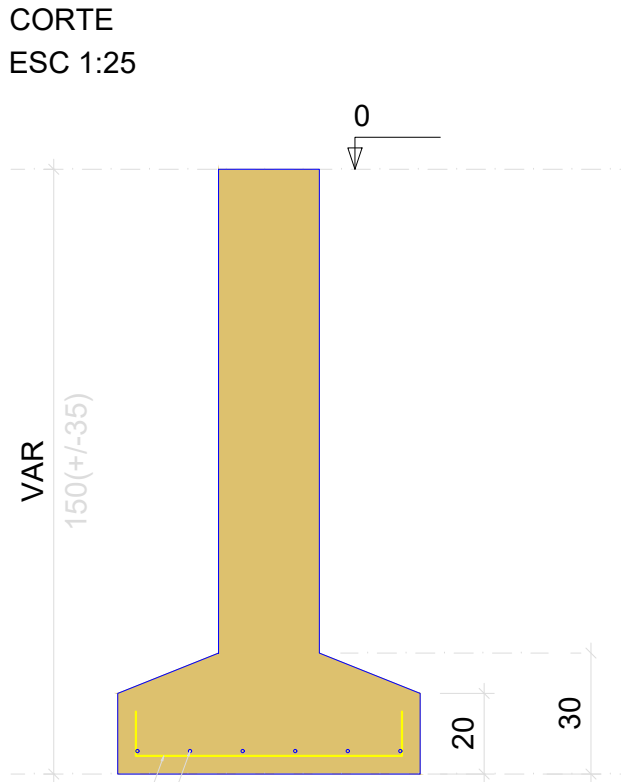
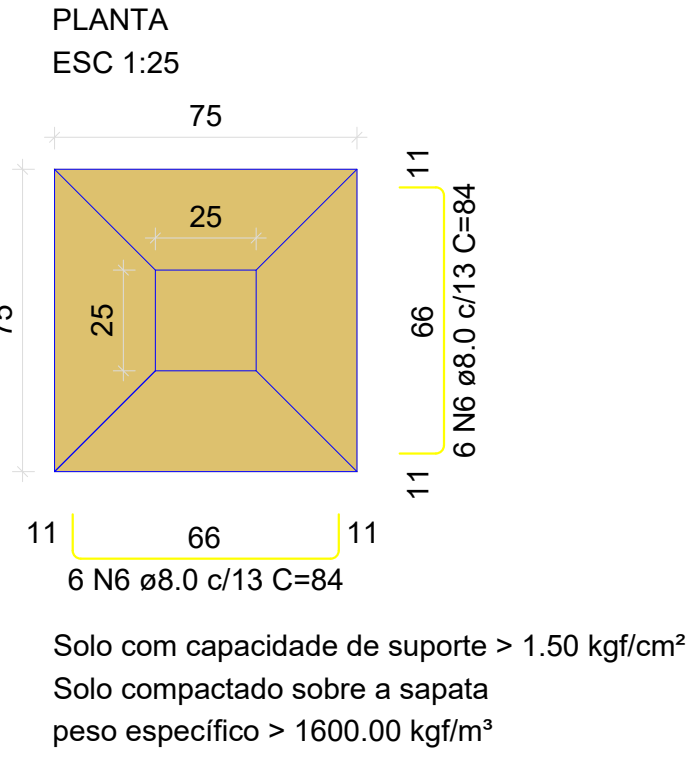
S2=S5=S7=S10=S11=S12=S13=S14=S15=S17  
=S19=S23=S32=S33=S41=S49=S50=S57=S66  
=S70=S79=S81



S8=S38=S71=S73=S76=S80=S83=S84



S9=S29=S67=S72=S75=S82

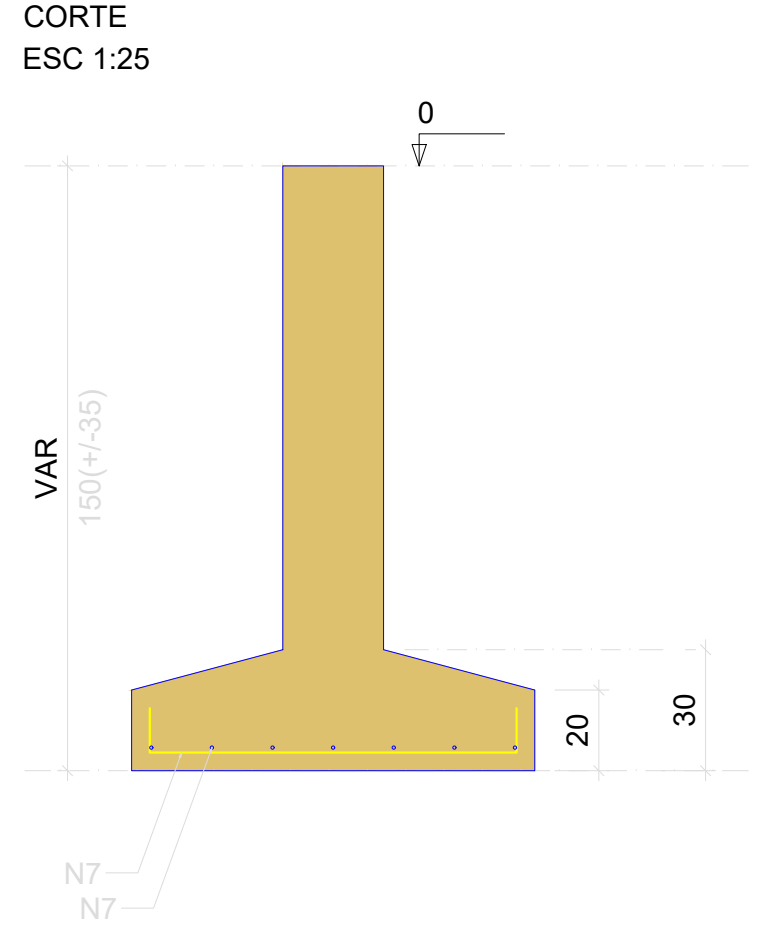
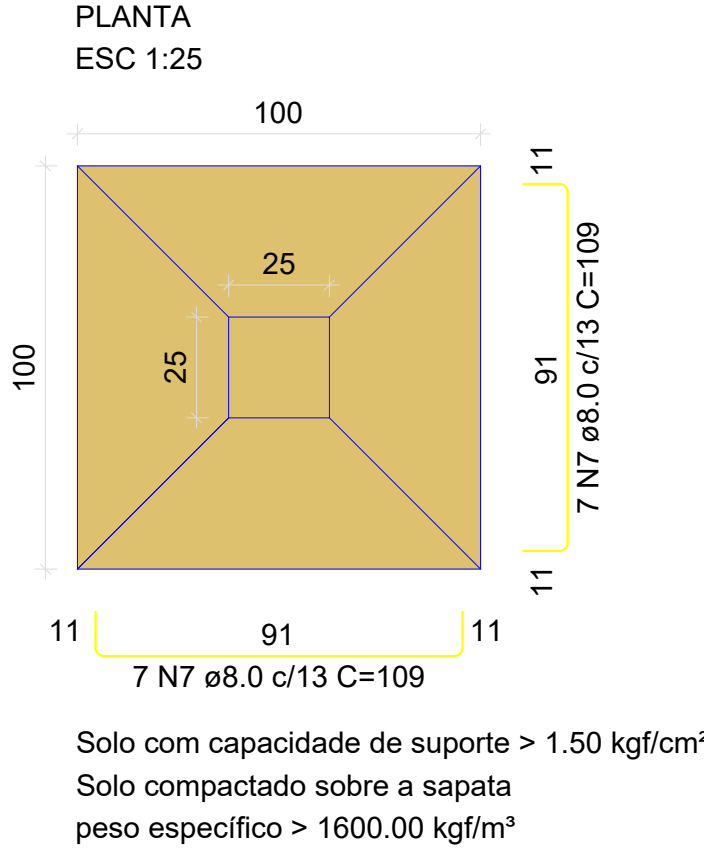


RELAÇÃO DO AÇO					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
22xS12	1	5.0	3	235	705
15xS25	2	8.3	16	66	1056
S51	3	8.0	642	79	50718
S60	4	8.0	24	94	2256
8xS73	5	8.0	90	89	8010
	6	8.0	72	94	6808
	7	8.0	70	109	7630
	8	8.0	32	119	3808
	9	8.0	20	129	2580
	10	8.0	12	93	1116
	11	8.0	12	74	888
	12	8.0	112	99	11088

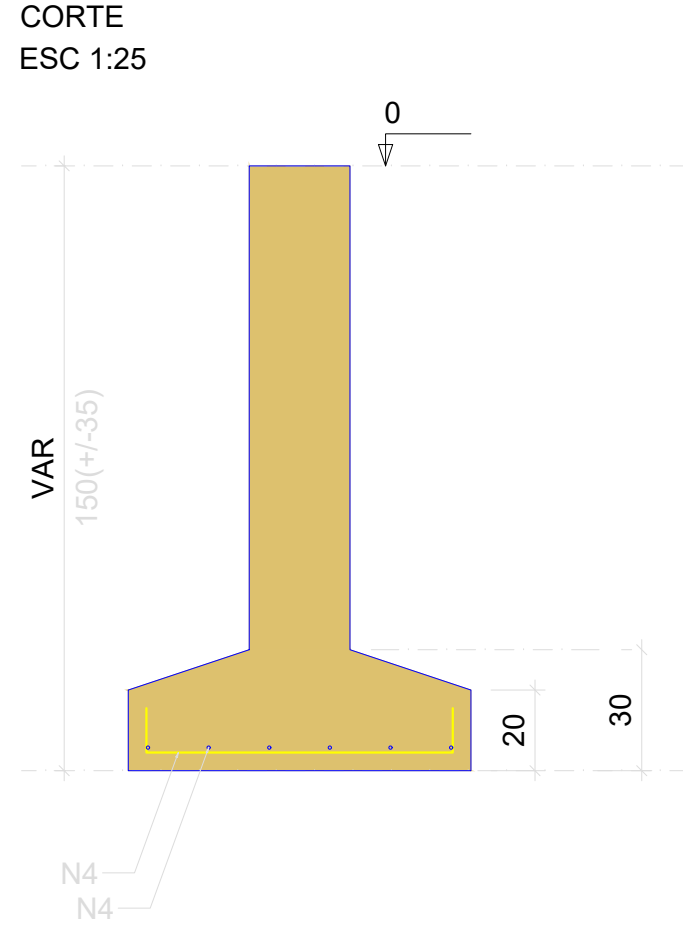
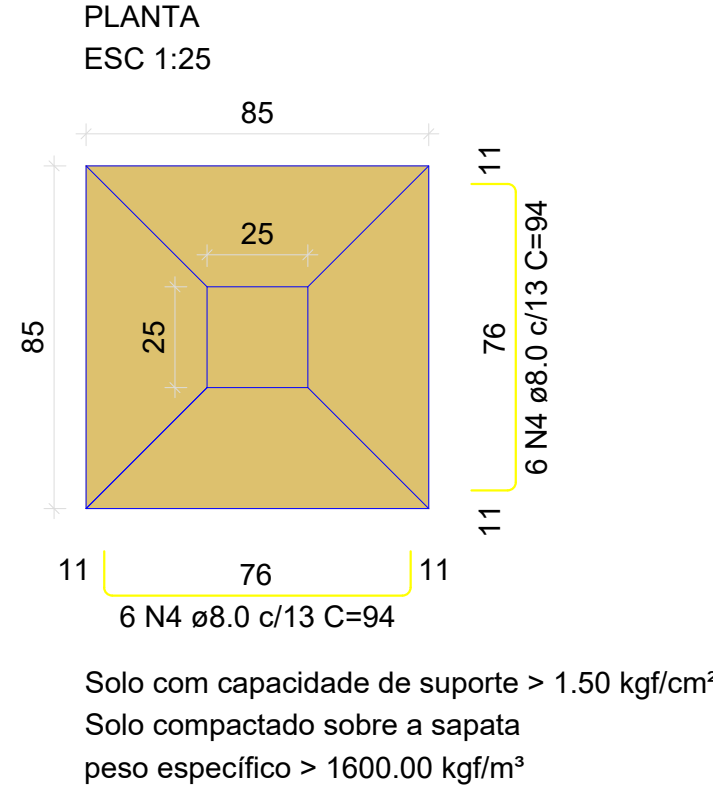
RESUMO DO AÇO				
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)	
CA50	6.3	10.6	2.8	
CA50	8.0	941.4	408.6	
CA60	5.0	7	1.2	
PESO TOTAL (kg)				
CA50	411.5			
CA60	1.2			

Volume de concreto (C-25) = 12.98 m³  
Área de forma = 53.50 m²

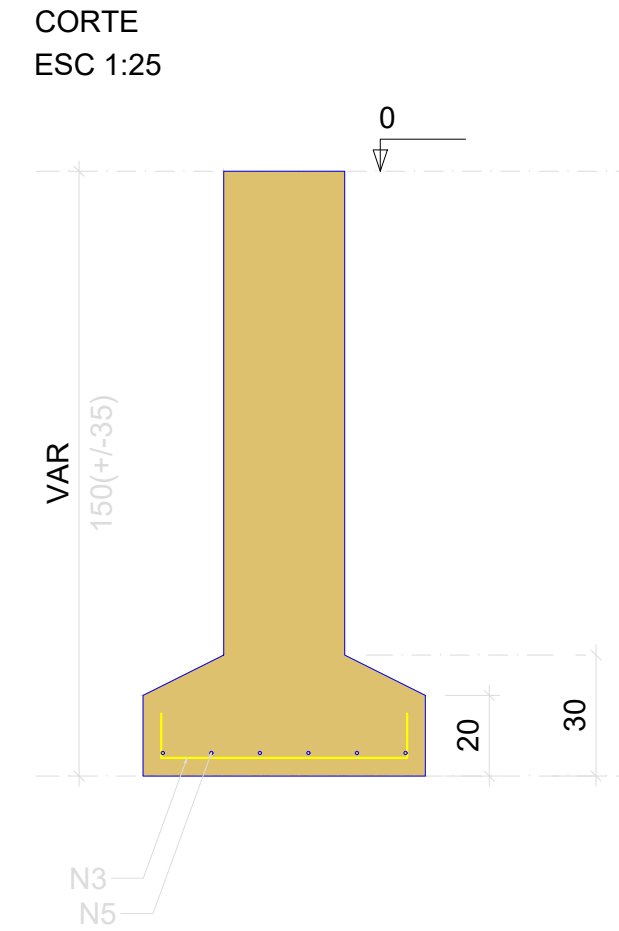
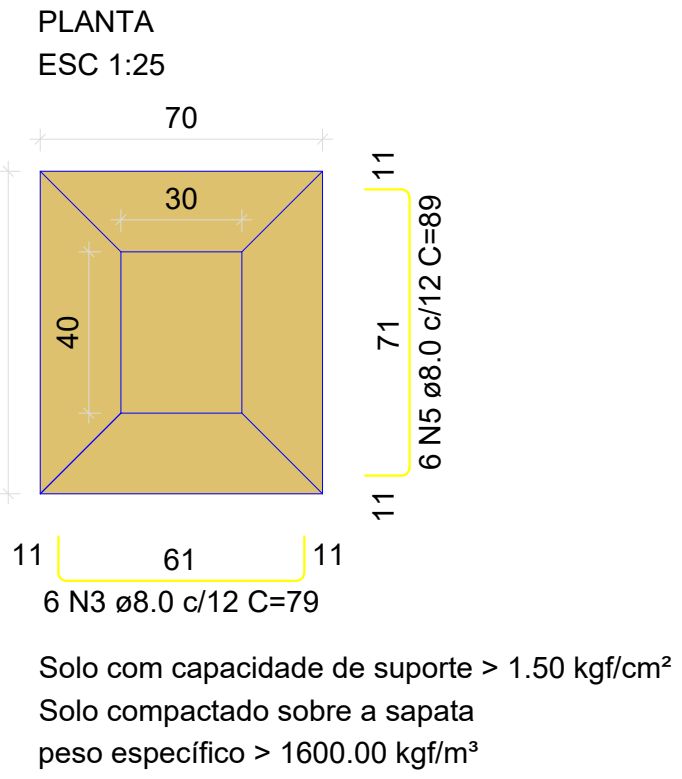
S20=S30=S44



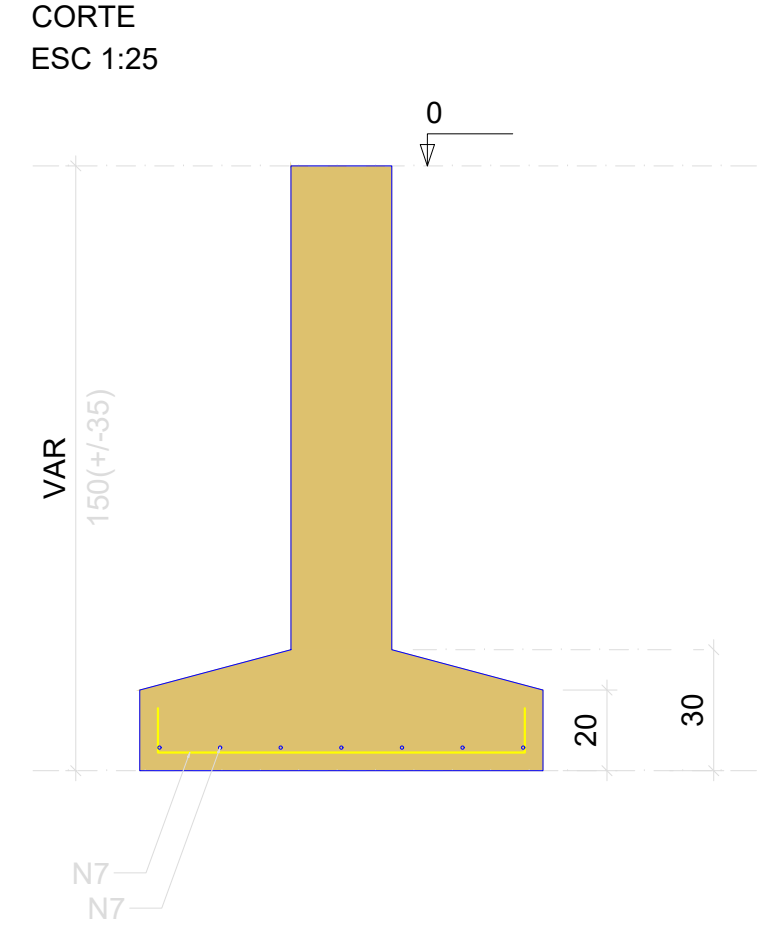
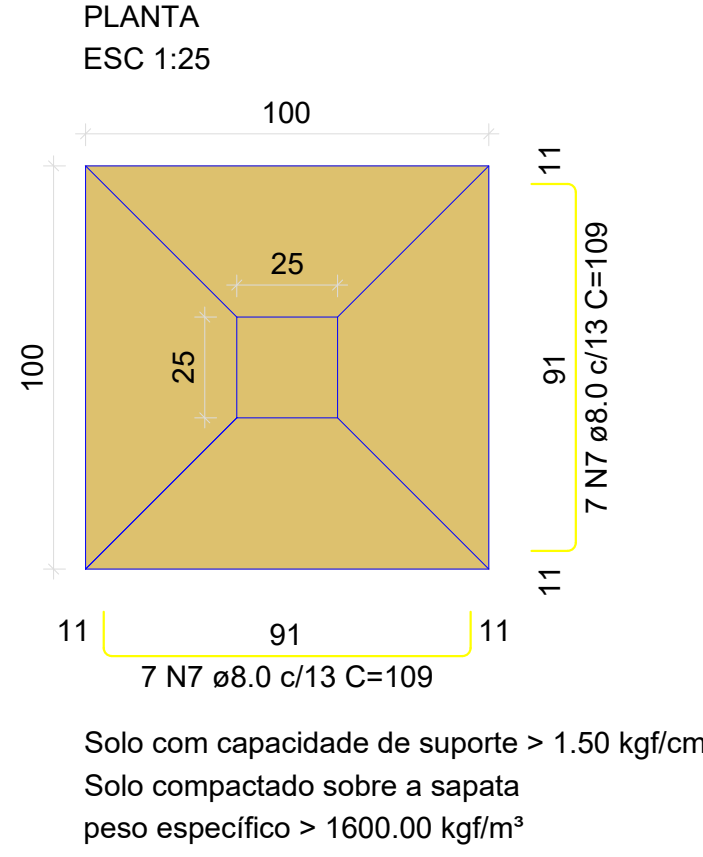
S21



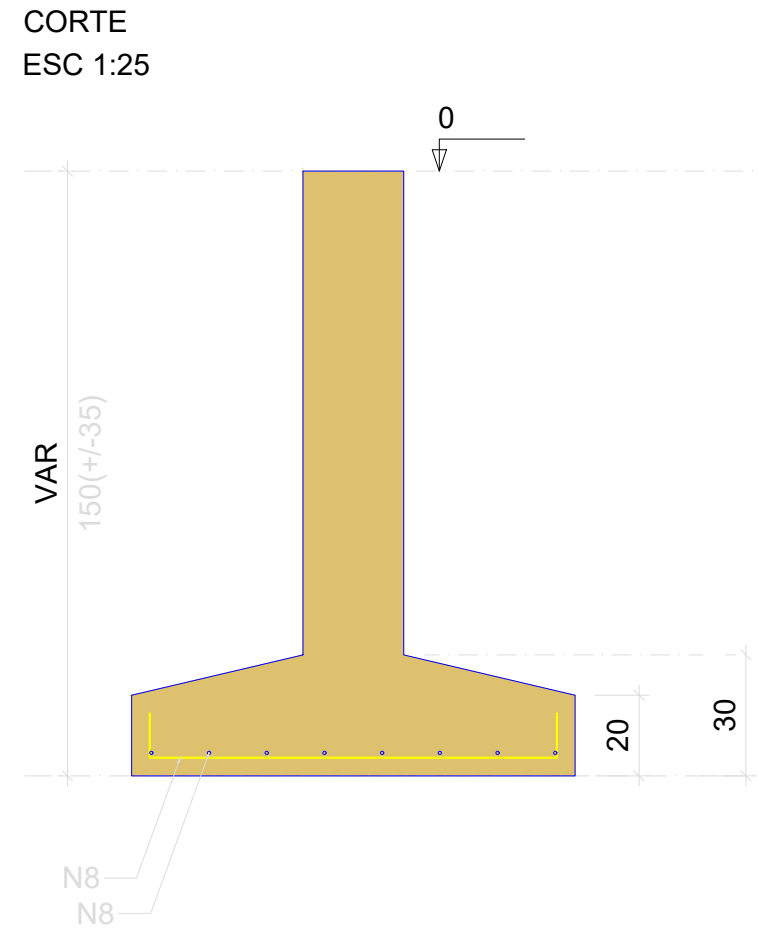
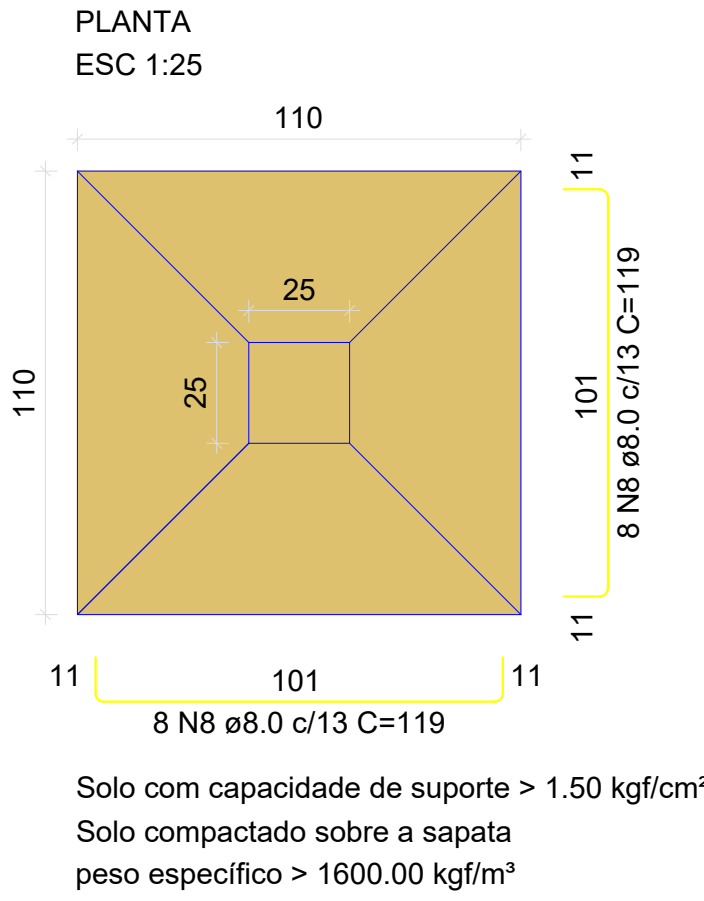
S25=S26=S27=S34=S35=S36=S46=S47=S48=S53  
=S54=S55=S61=S62=S63



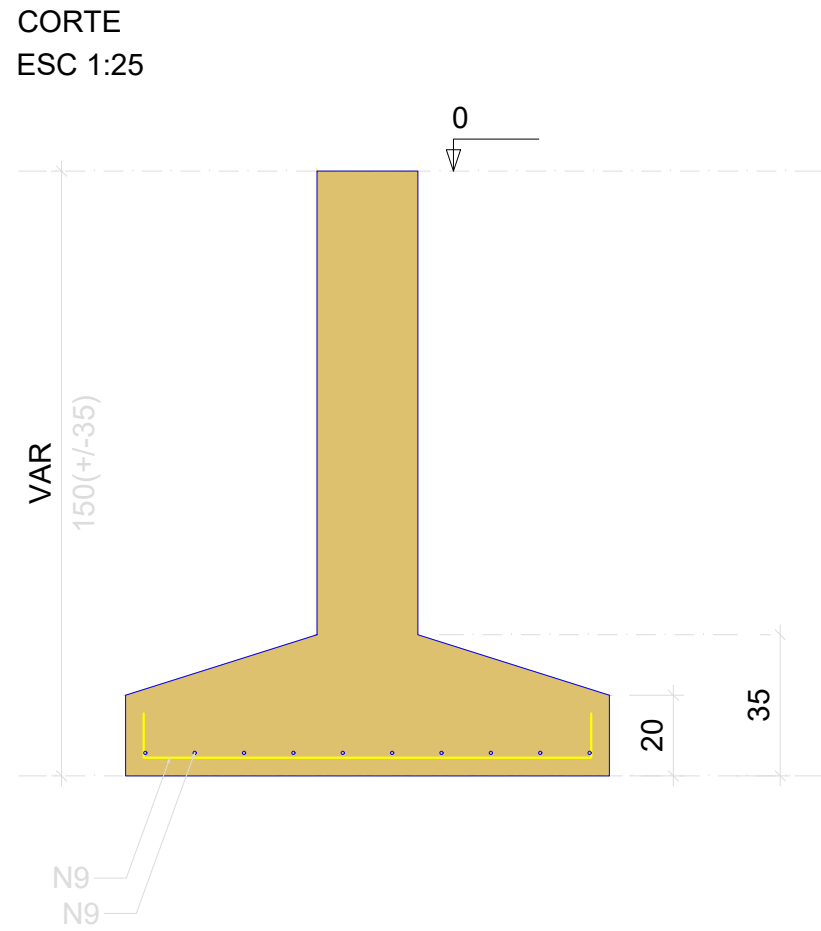
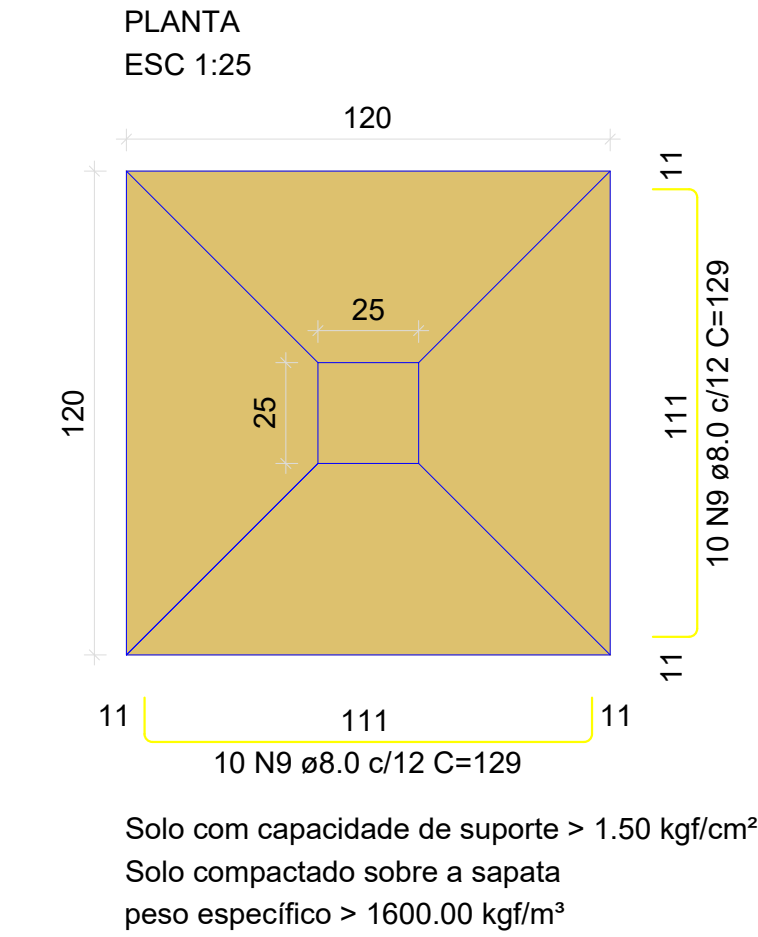
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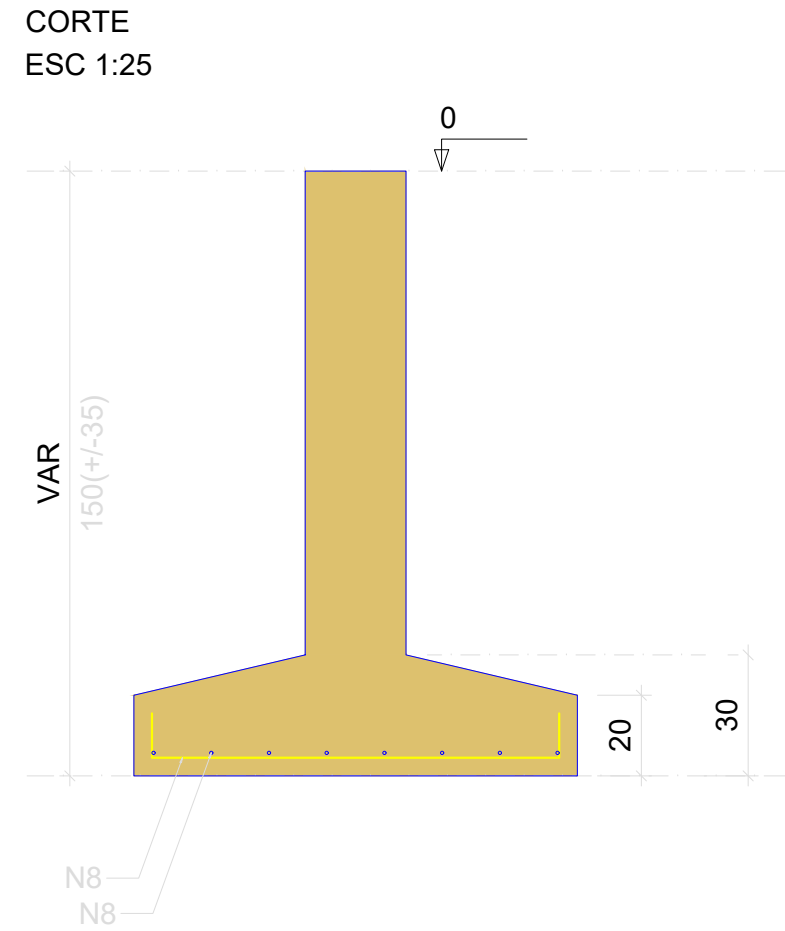
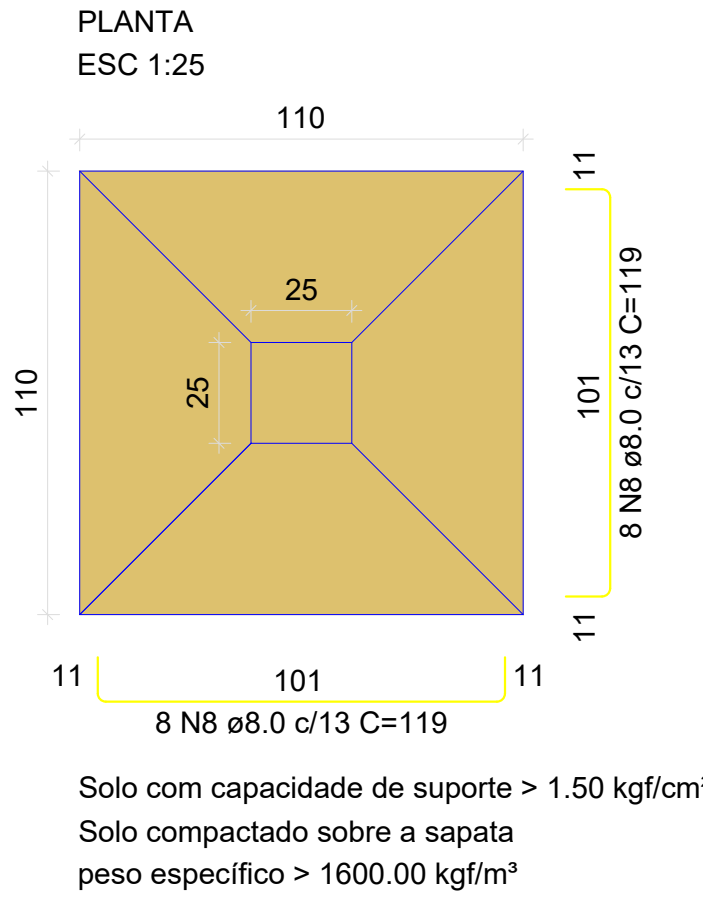
S51



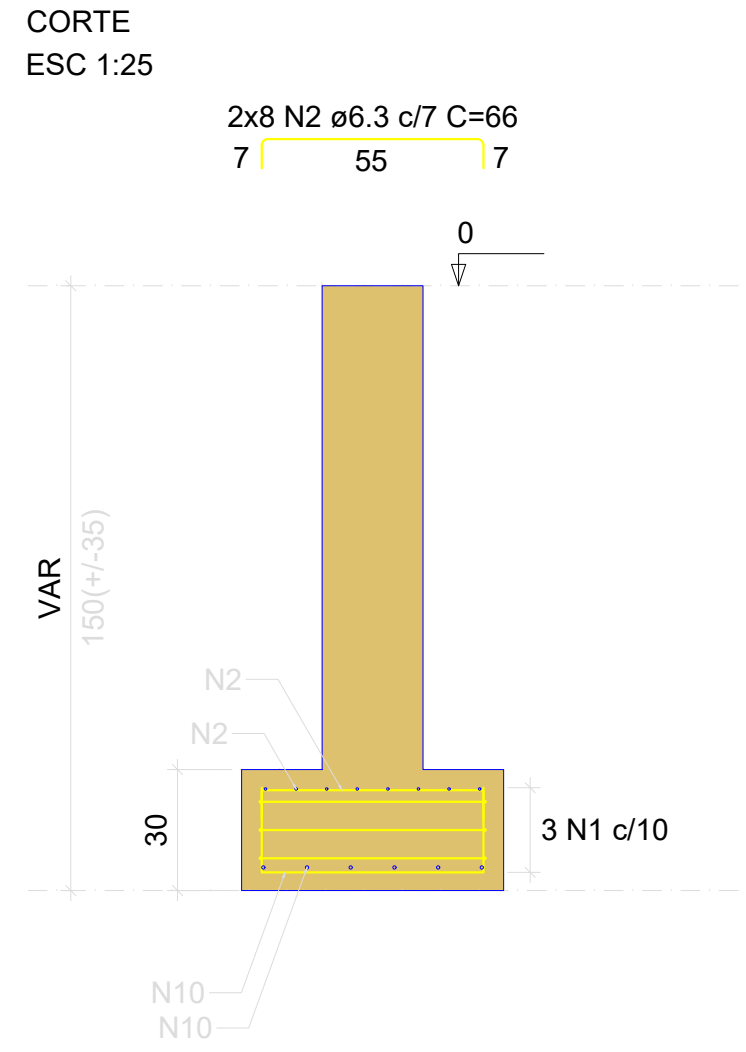
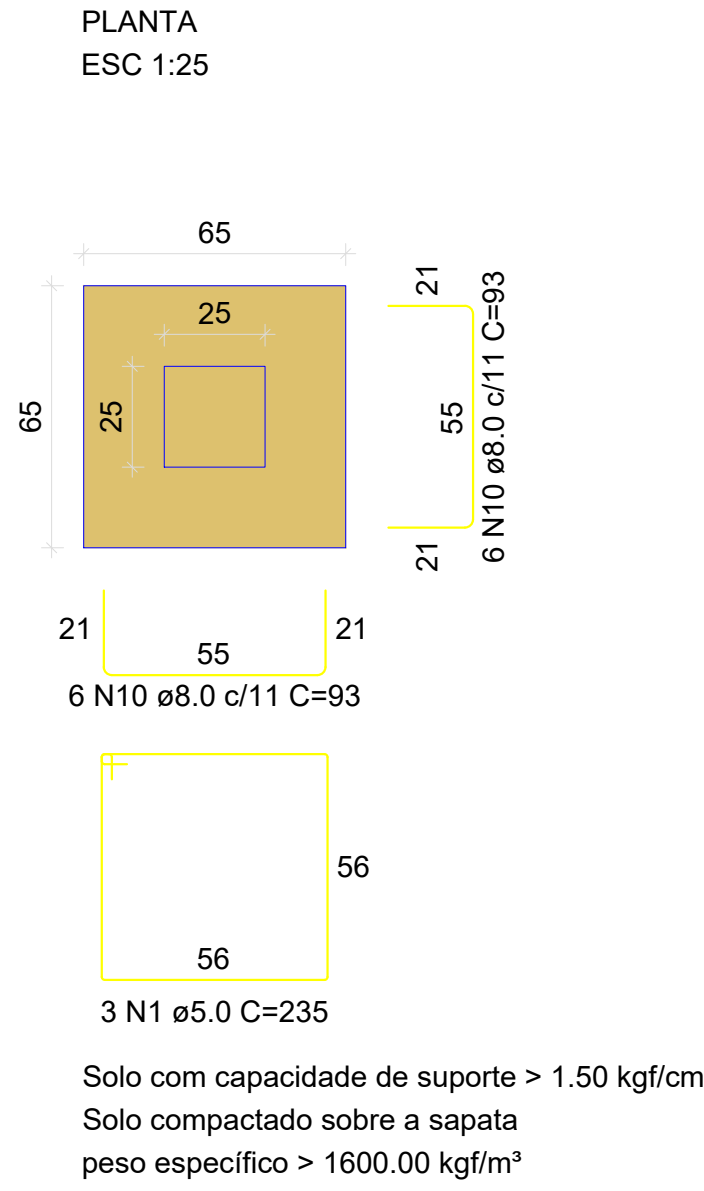
S59



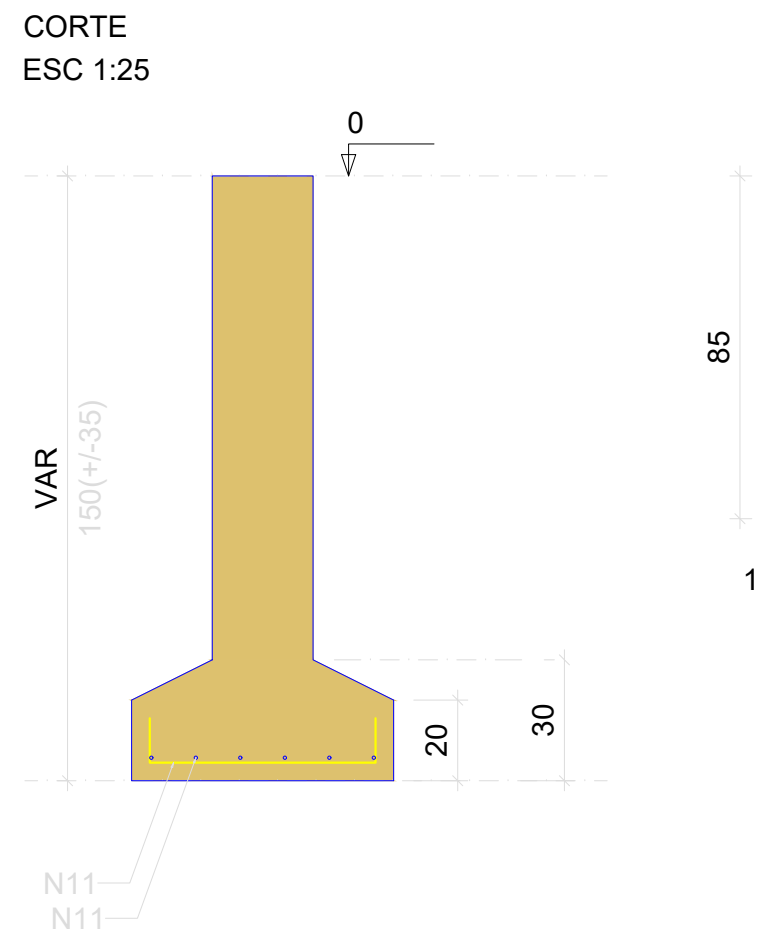
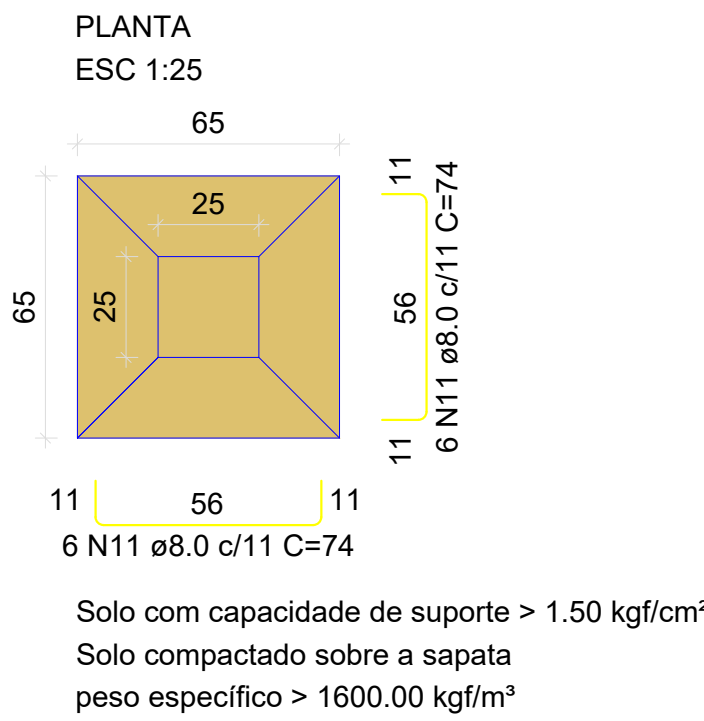
S60



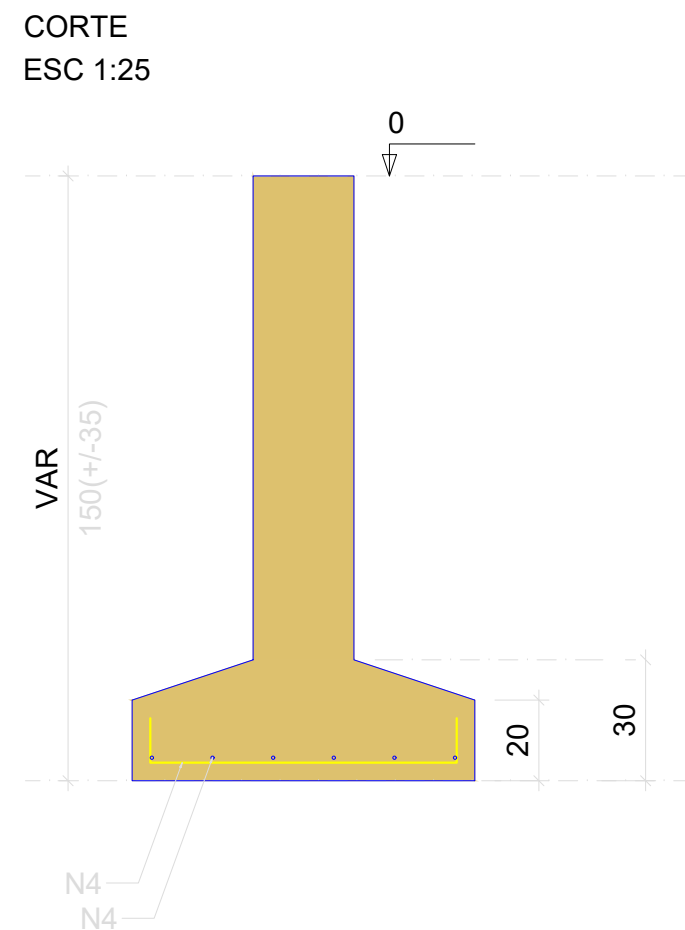
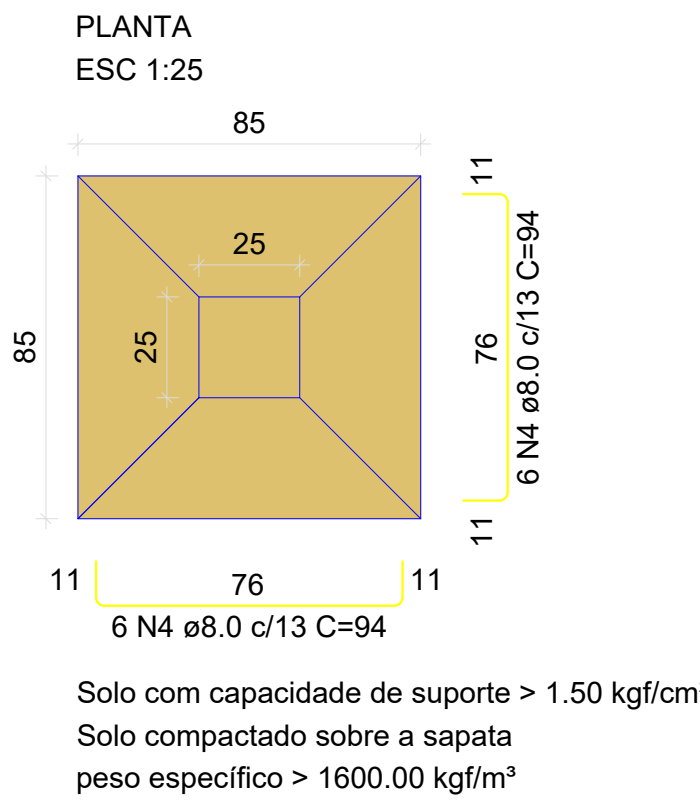
S64



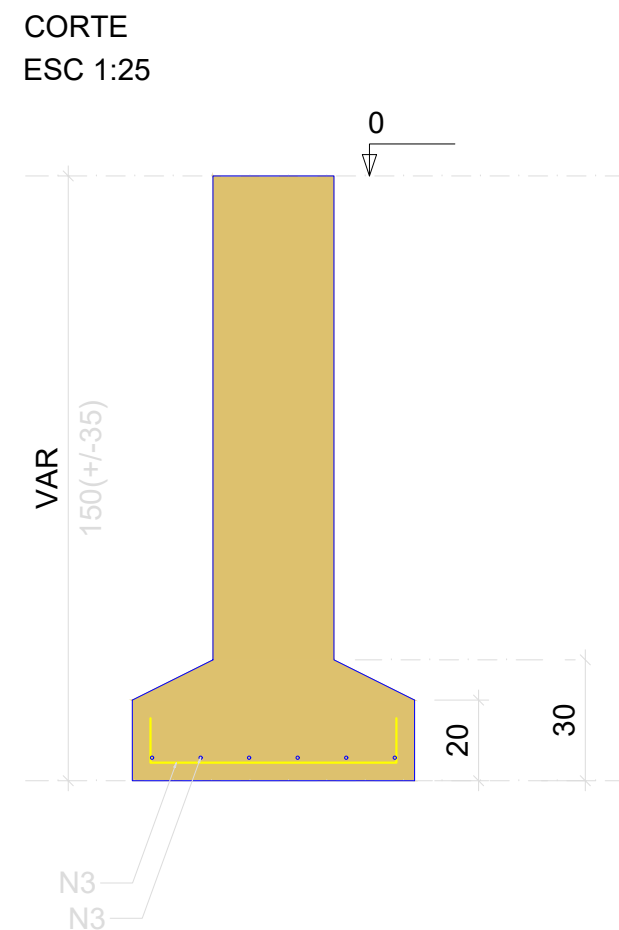
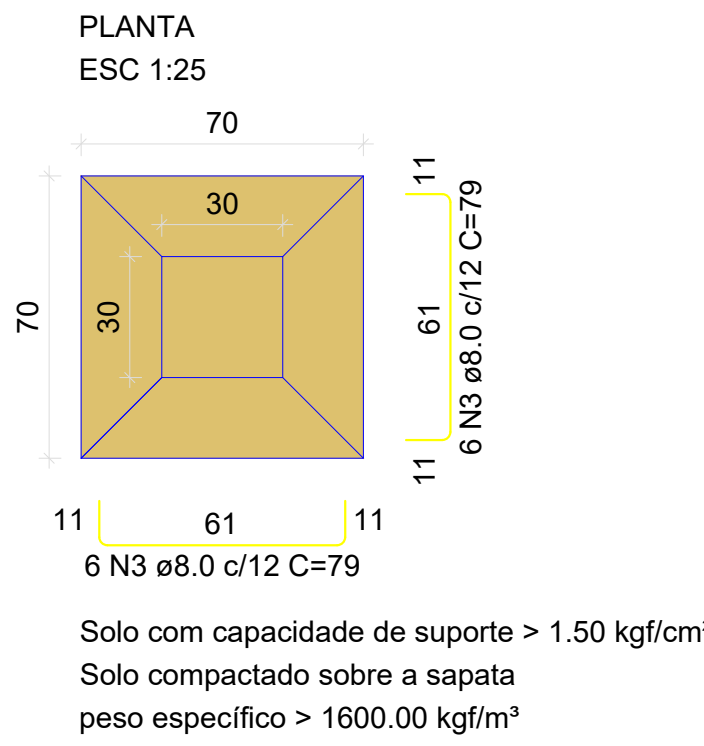
S65



S78



S86=S87



## ESTRUTURAL

Título do Projeto: EMEF SEBASTIÃO DA SILVA ORTIZ  
Proprietário: PREFEITURA MUNICIPAL DE SÃO JOSÉ DO CERRITO  
Endereço da Obra: Rua: CATULINO CAPTULINO SIMÃO - DOM DANIEL

APROVAÇÃO		DETALHAMENTO SAPATAS
Assinatura:	PREFEITO - LEONARDO GARCIA HEINZEN	
Engº Civil:	Nilson do Prado Rodrigues - CREA-SC 172357-5	
Autor do Projeto:		

OBRA: <b>EMEF SEBASTIÃO DA SILVA ORTIZ</b> Rua Catulino Capitulino Simão Bairro Dom Daniel Município: São José do Cerrito - Estado: Santa Catarina			
OBSERVAÇÕES: Área do Terreno: ÁREA ADMINISTRATIVO: ÁREA = 119,37 M² ÁREA SALA E OUTROS: ÁREA = 427,74 M² Área total da Edificação Escolar A= 547,11m²		ESCALA: <b>INDICADA</b>	<b>ESTRUTURAL</b>
		DATA EMISSÃO: <b>INDICADA</b>	
		DESENHISTA: <b>NILSON</b>	