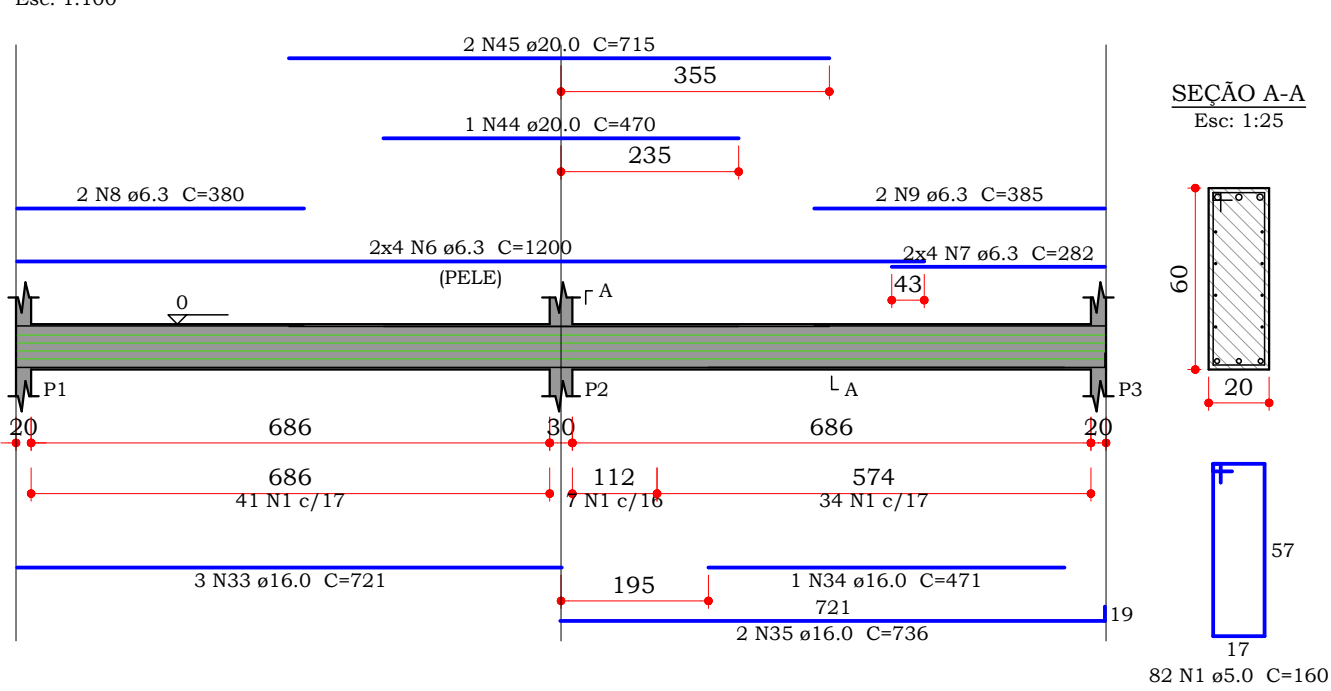
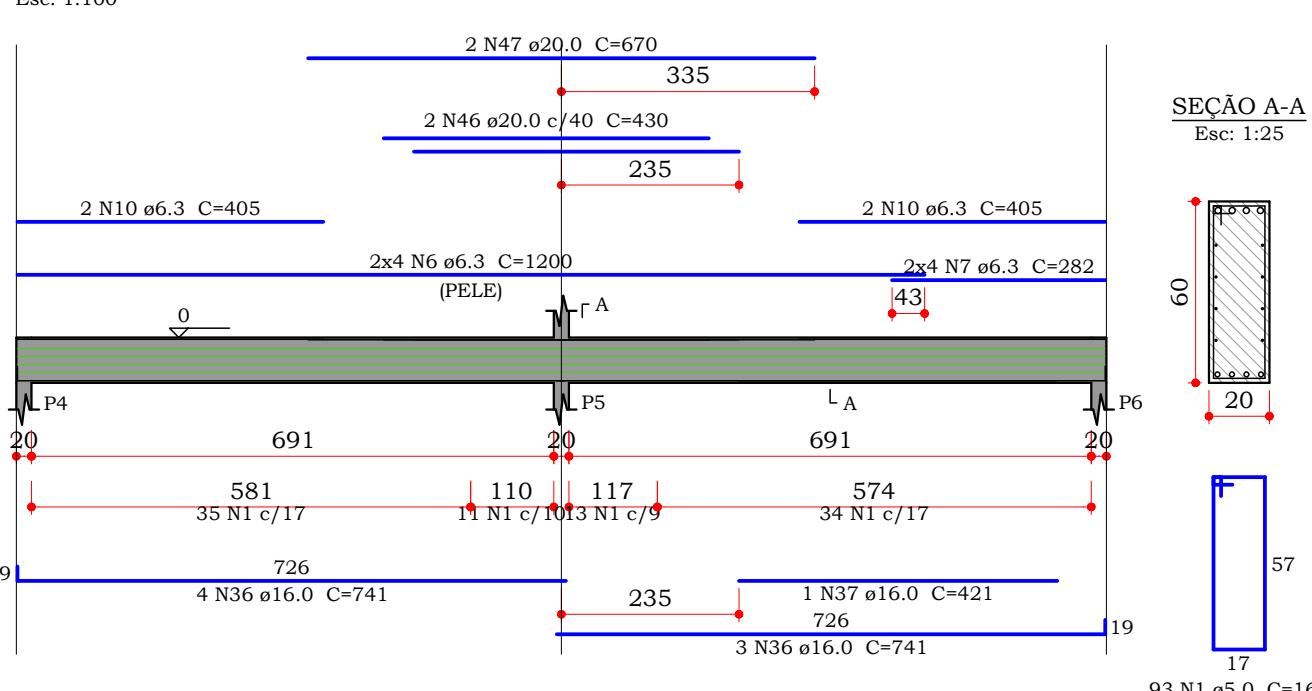


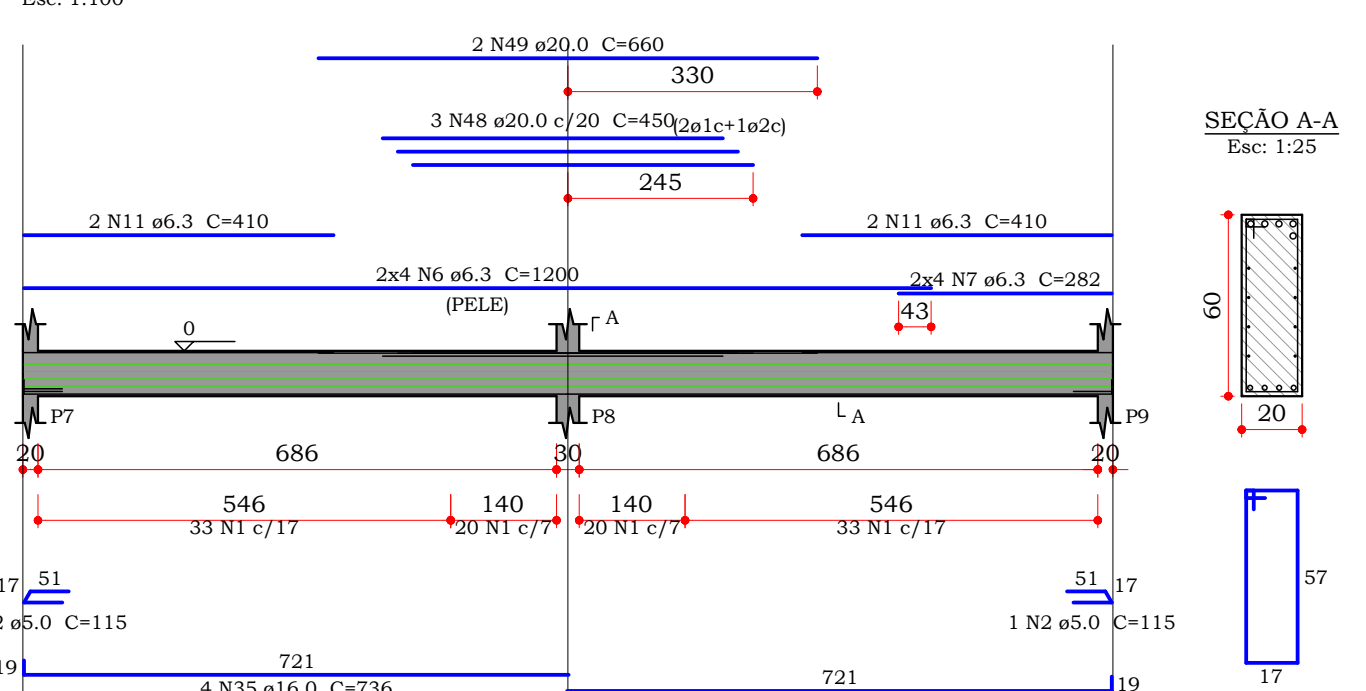
V1 (20 x 60)



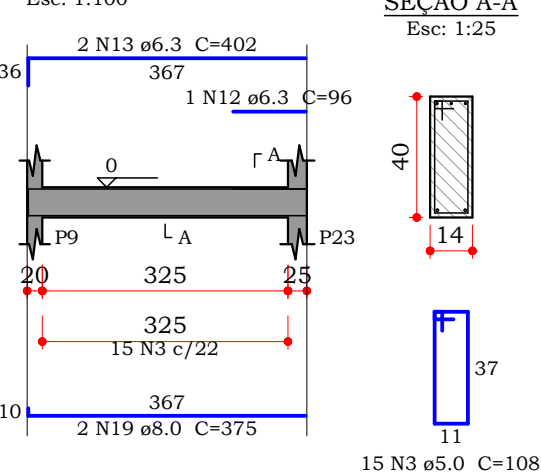
V2 (20 x 60)



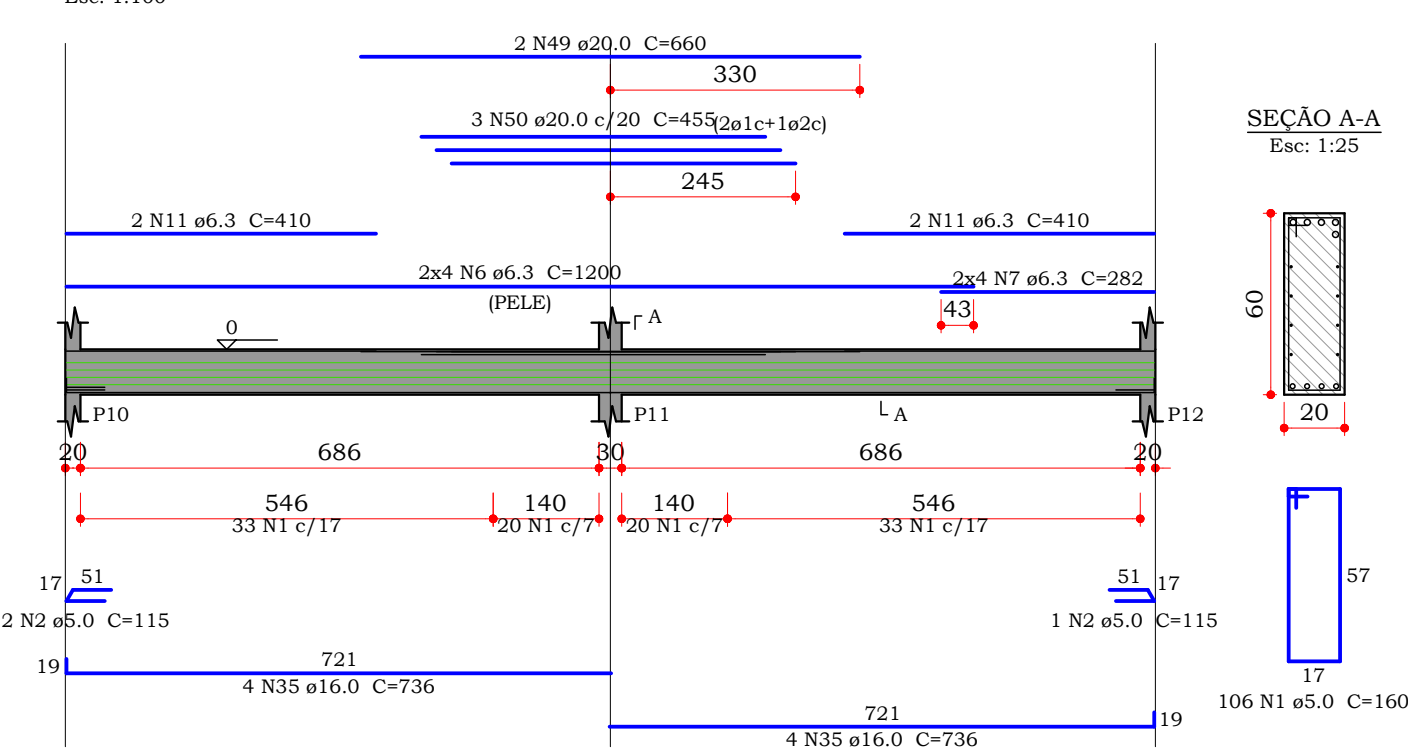
V3 (20 x 60)



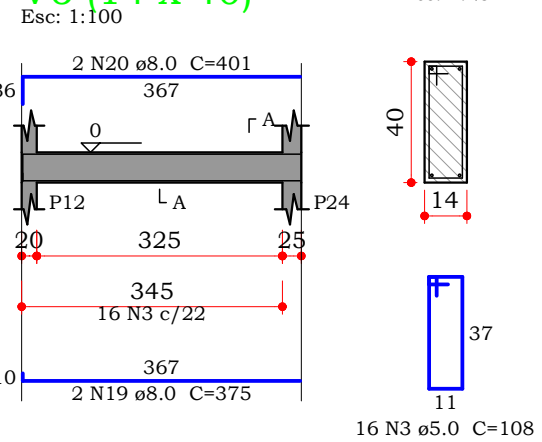
V4 (14 x 40)



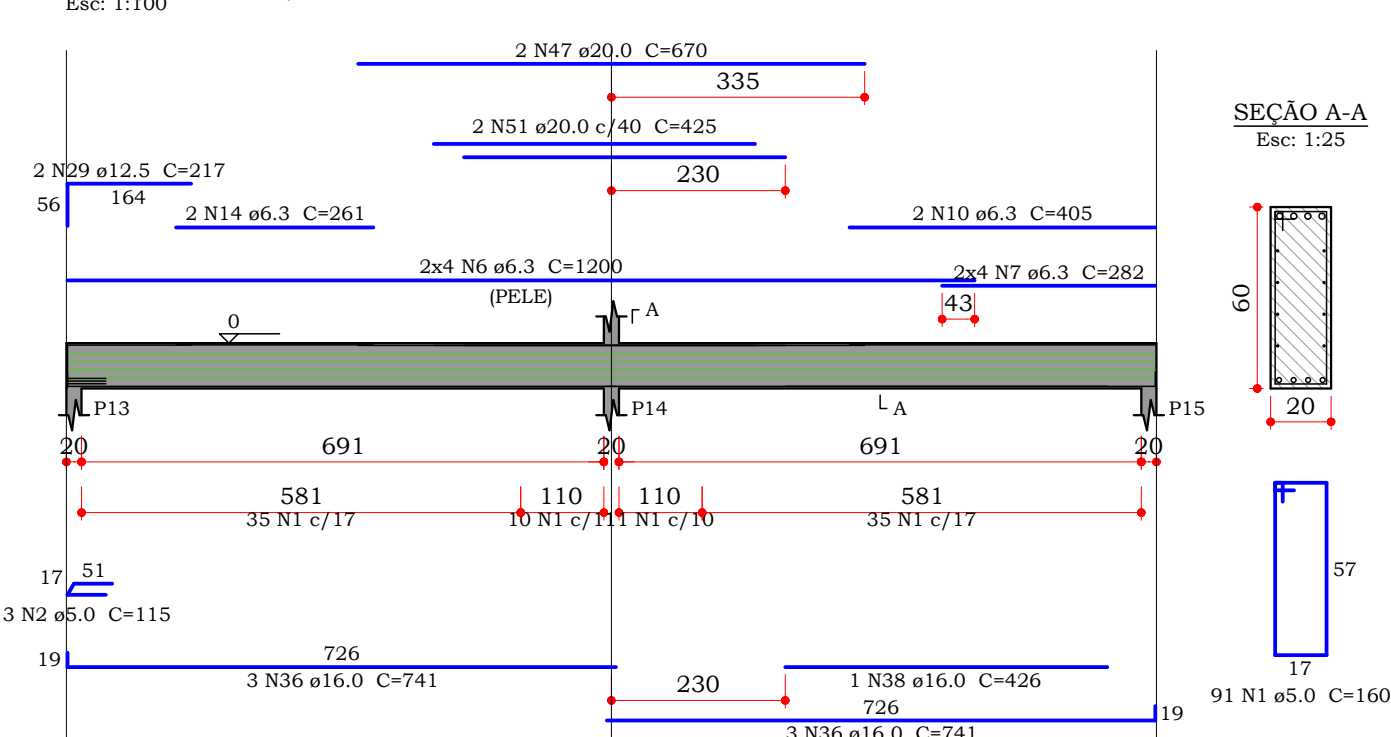
V5 (20 x 60)



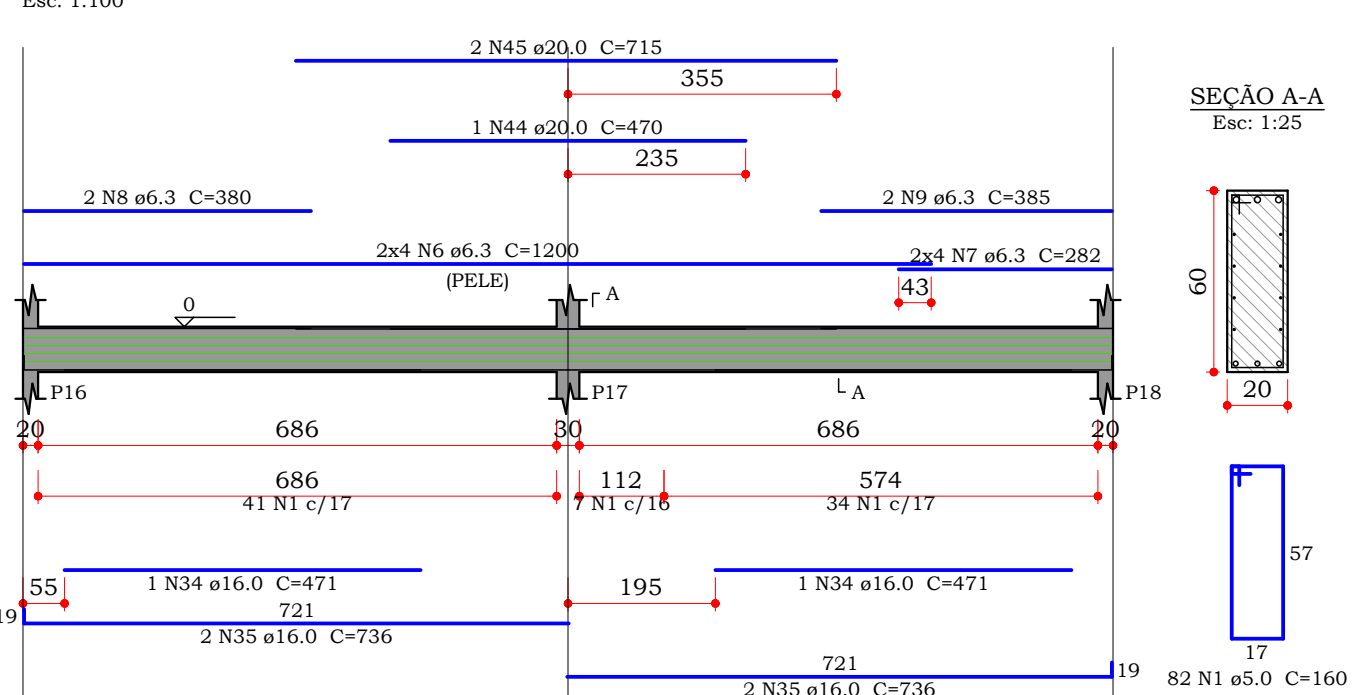
V6 (14 x 40)



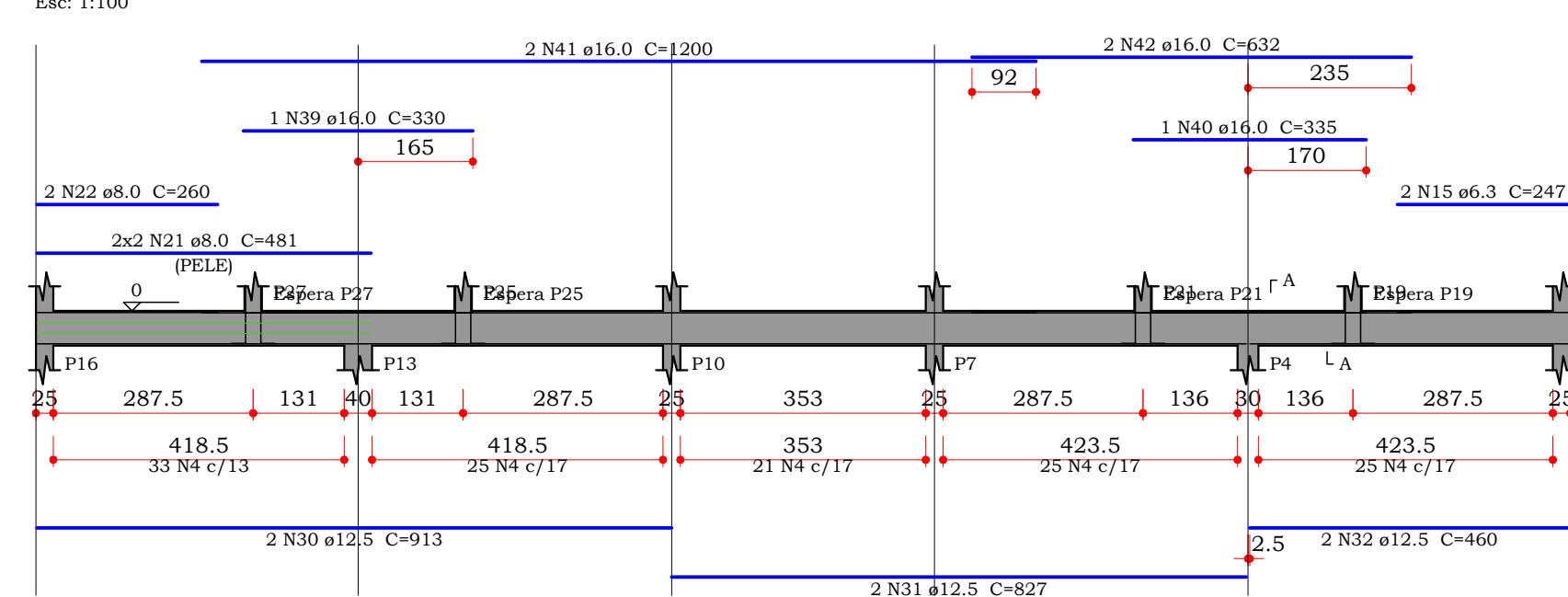
V7 (20 x 60)



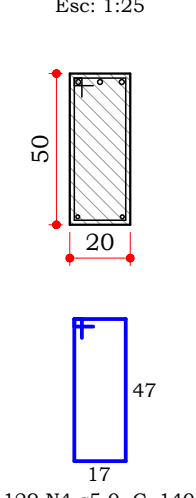
V8 (20 x 60)



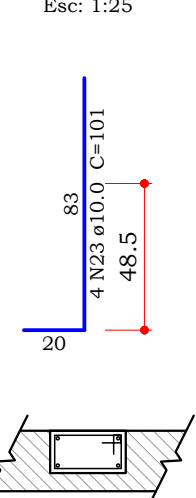
V9 (20 x 50)



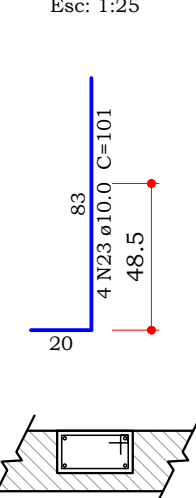
SEÇÃO A-A



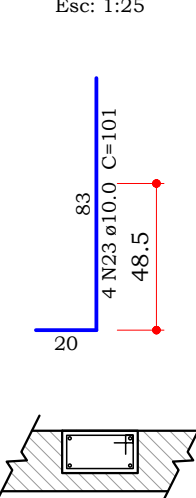
ESPERA P27



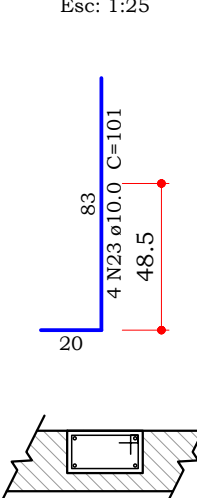
ESPERA P25



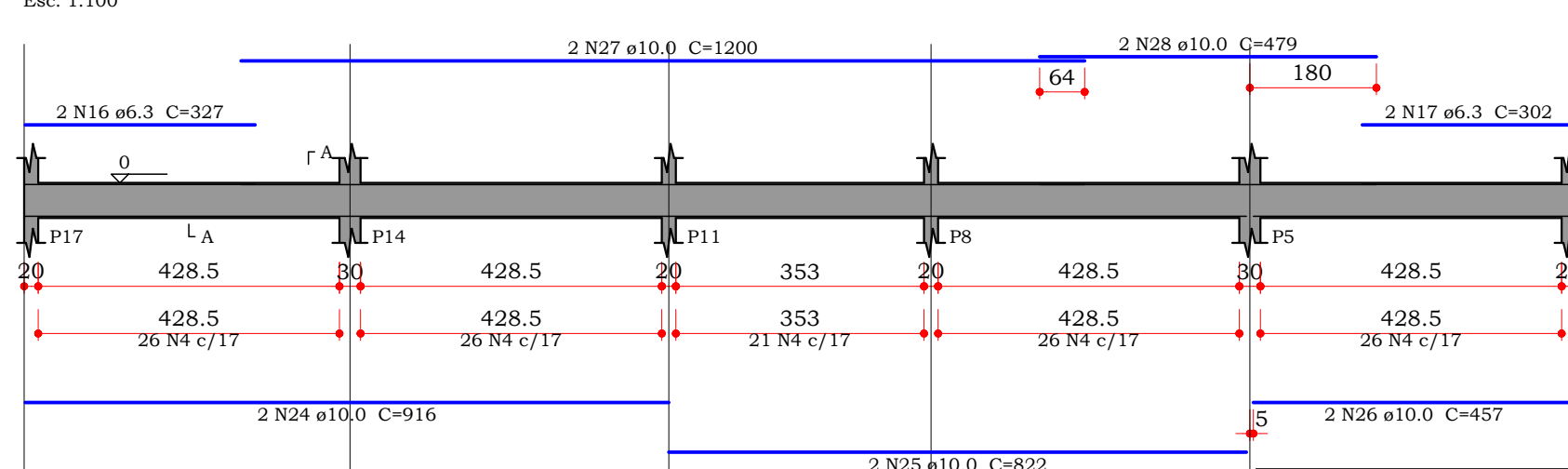
ESPERA P21



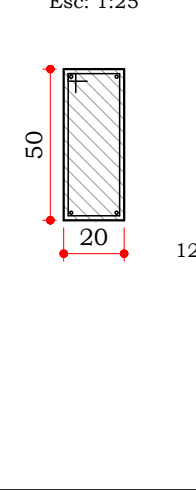
ESPERA P19



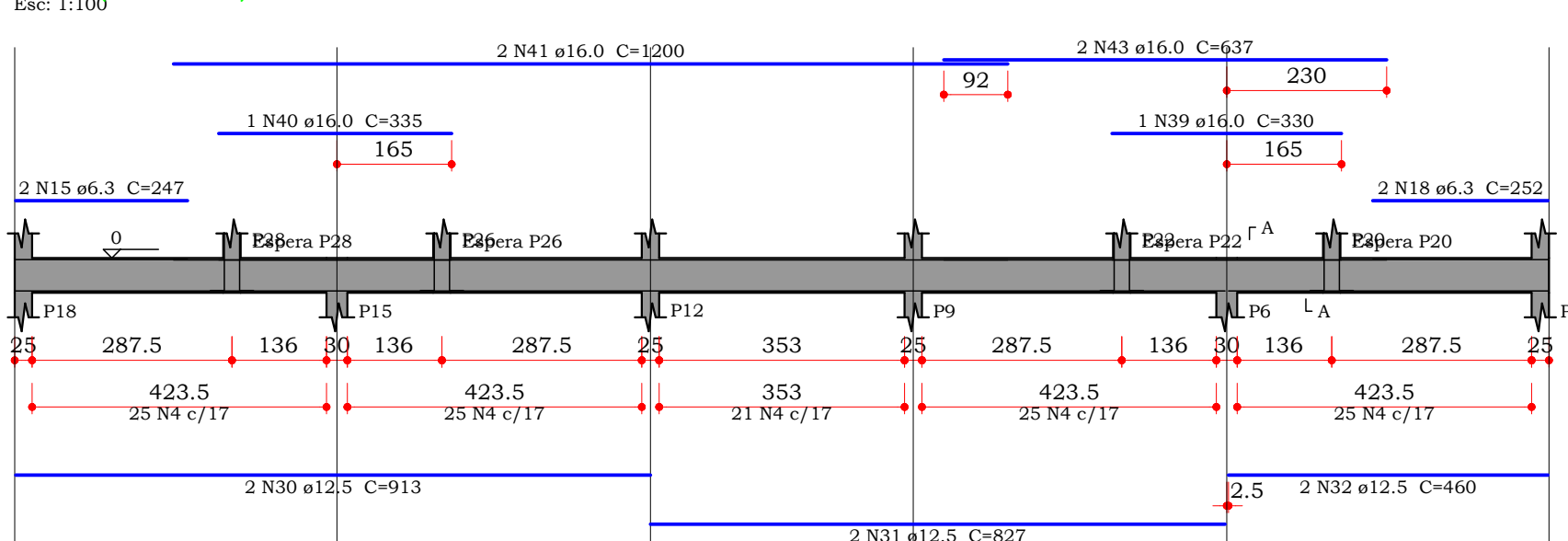
V10 (20 x 50)



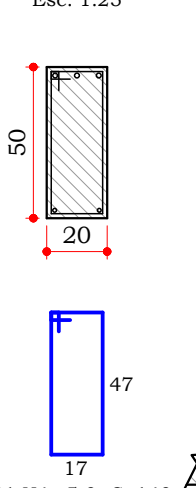
SEÇÃO A-A



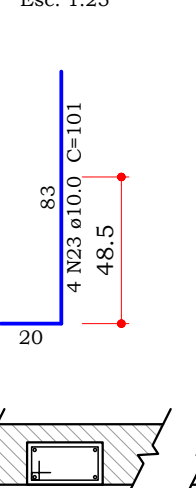
V11 (20 x 50)



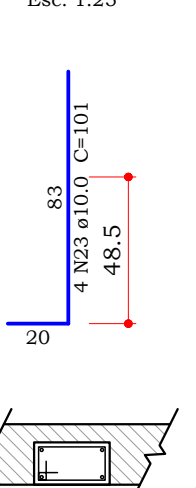
SEÇÃO A-A



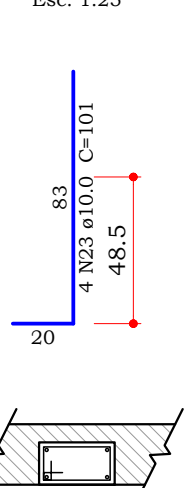
ESPERA P28



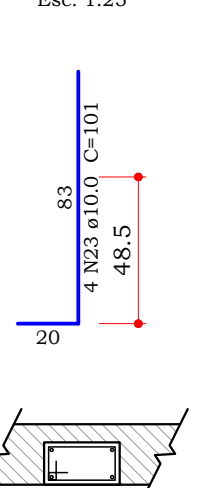
ESPERA P26



ESPERA P22



ESPERA P20

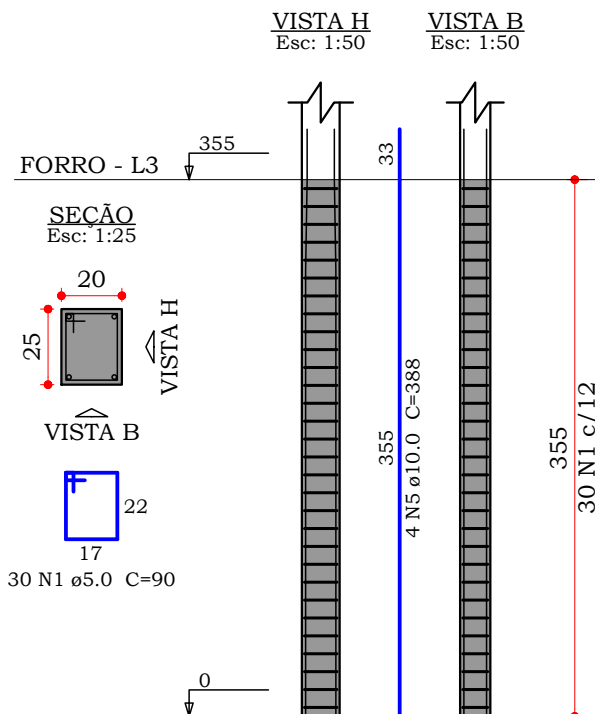


Resumo do aço

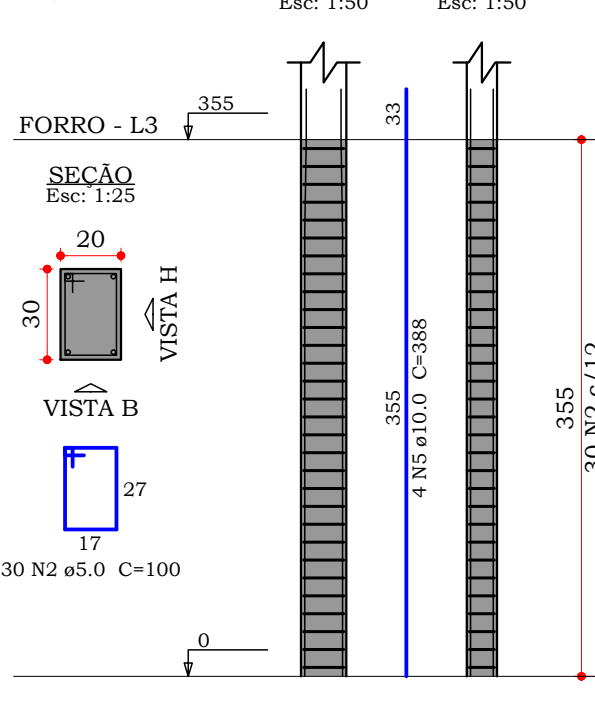
ACO	DIAM (mm)	C.TOTAL (m)	QUANT + 10 % (Barras)	PESO + 10 % (kg)
CASO	6.3	840.8	78	226.3
CASO	8.0	47.5	5	20.6
CASO	10.0	109.8	11	74.5
CASO	12.5	92.4	9	97.9
CASO	16.0	389.2	36	675.6
CASO	20.0	135.5	13	367.4
CASO	5.0	1496.1	138	253.6
PESO TOTAL (kg)				
CASO		1462.3		
CASO		253.6		

Volume de concreto (C-30) = 16.42 m³
Área de forma = 307.54 m²

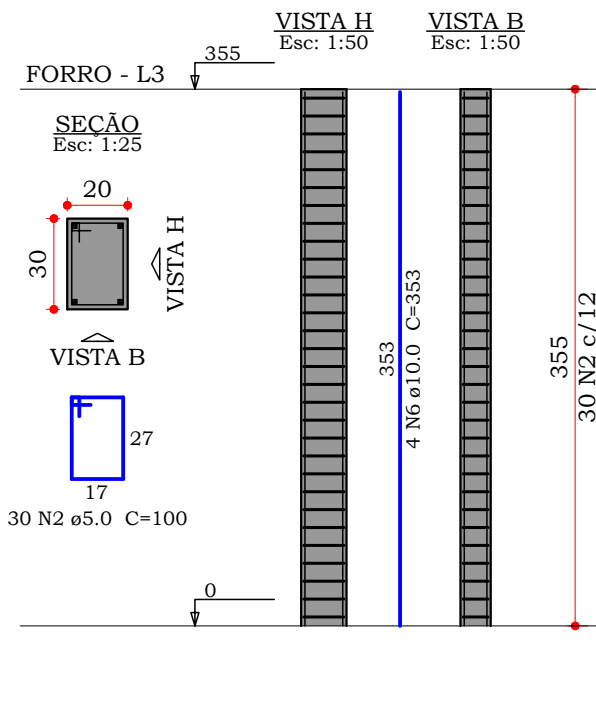
P1=P3=P16=P18



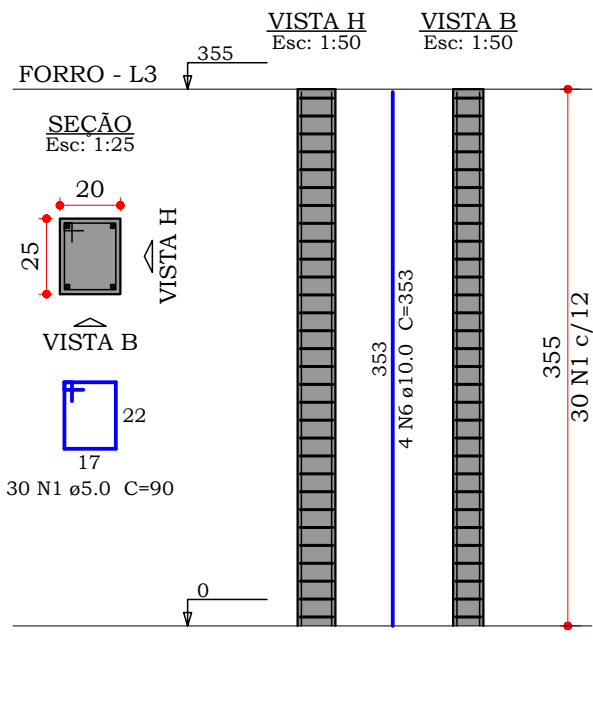
P2=P17



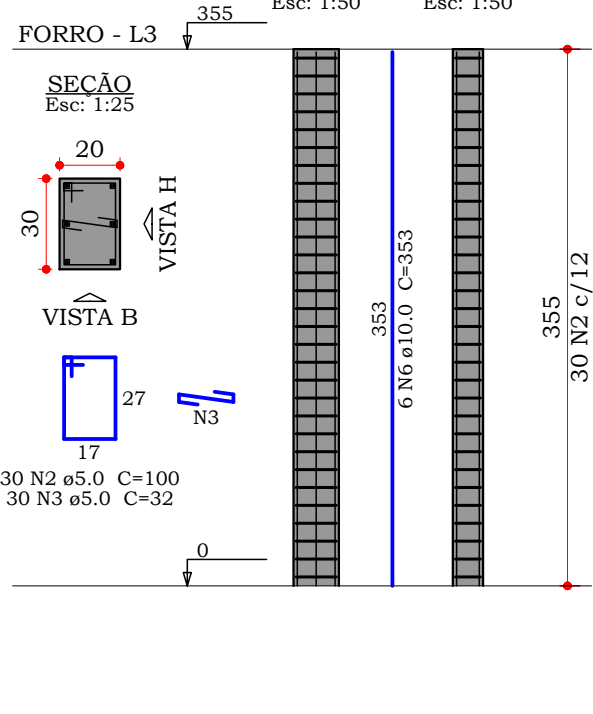
P5=P8=P11



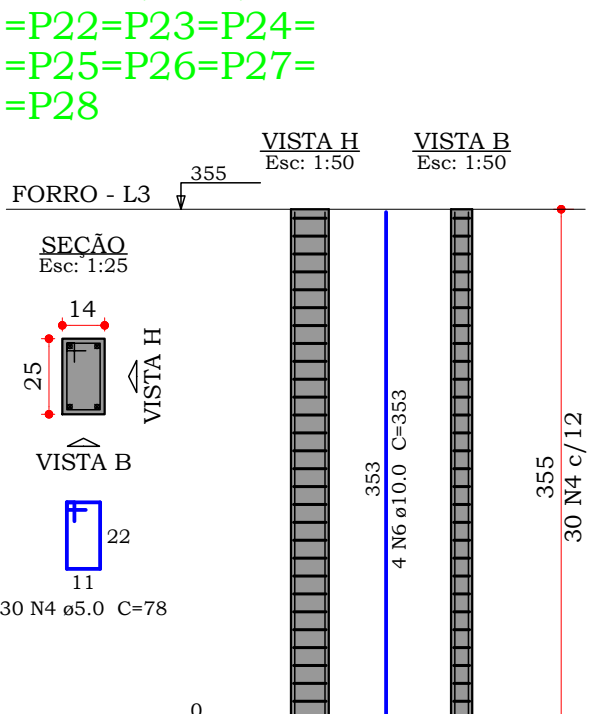
P7=P9=P10=P12



P14



P19=P20=P21=P22=P23=P24=P25=P26=P27=P28



Resumo do aço

ACO	DIAM (mm)	C.TOTAL (m)	QUANT + 10 % (Barras)	PESO + 10 % (kg)
CASO	10.0	354.4	33	240.3
CASO	5.0	639.6	39	108.4
PESO TOTAL (kg)				
CASO		240.3		
CASO		108.4		

Volume de concreto (C-30) = 3.94 m³
Área de forma = 74.55 m²



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CATARINENSE**
UNIDADE:
CAMPUS CONCÓRDIA
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Concórdia/ SC

AUTORIA DO PROJETO:
Eng. Gerson Renato Magarinos
CREA/SC 025.924-0

CONTRATANTE:
Sr. Rudinei Kock Exterckoter
Diretor Geral Campus Concórdia

NOME DO PROJETO: PROJETO - SALAS DE AULA		
TÍTULO DO DESENHO: VIGAS E PILARES TERREO		
OBJETIVO DO PROJETO: CONSTRUÇÃO	TIPO DE PROJETO: ESTRUTURAL	FOLHA: 06
AUTORIA DO DESENHO: GERSON	ÁREA DO PROJETO: 332,6450 m²	REFERÊNCIA: EC 06/09
CIDADE - UF: CONCÓRDIA - SC	REVISÃO Nº: 00	
DATA: 09/2022	ESCALA: INDICADA	