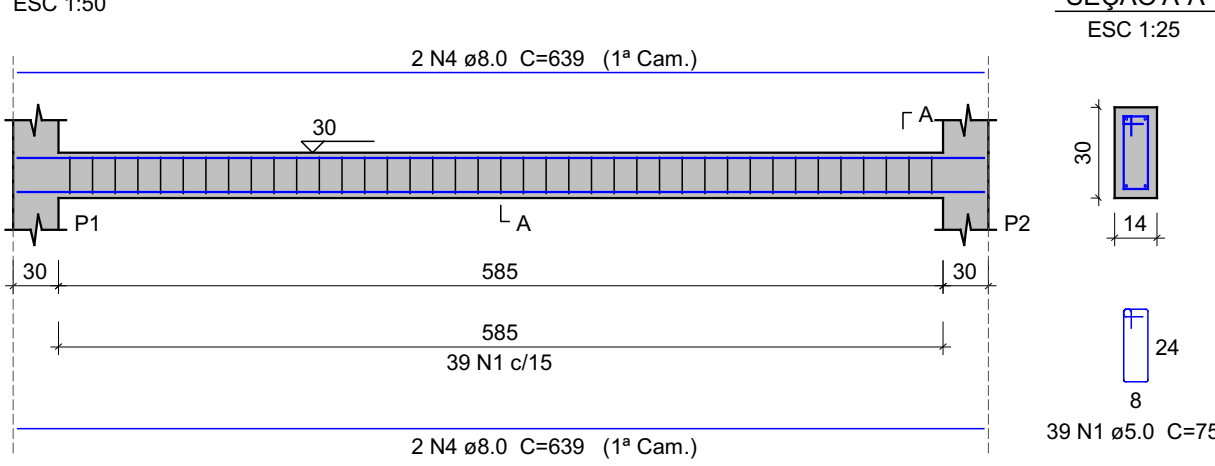
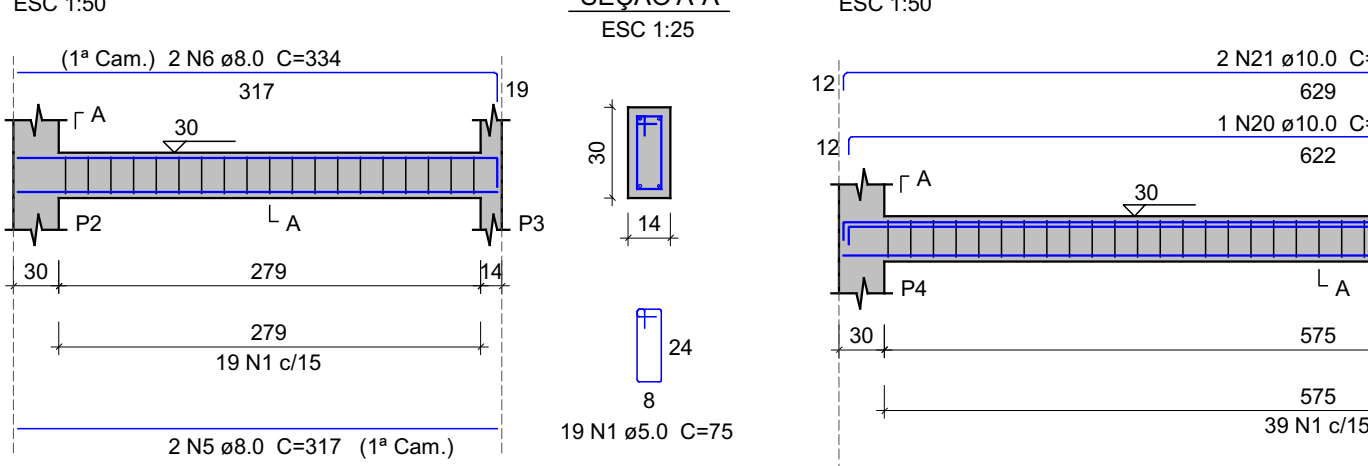


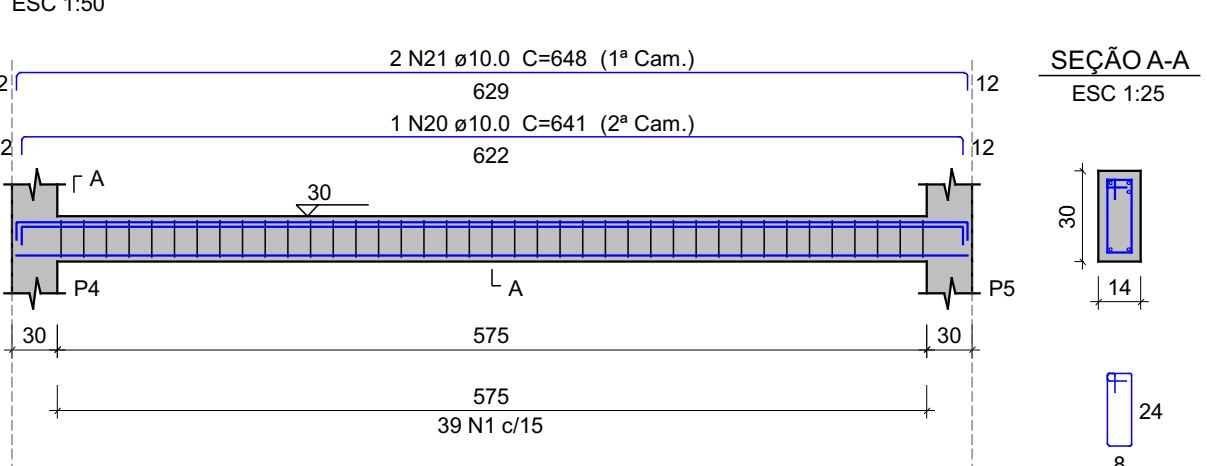
V1 (14 x 30)



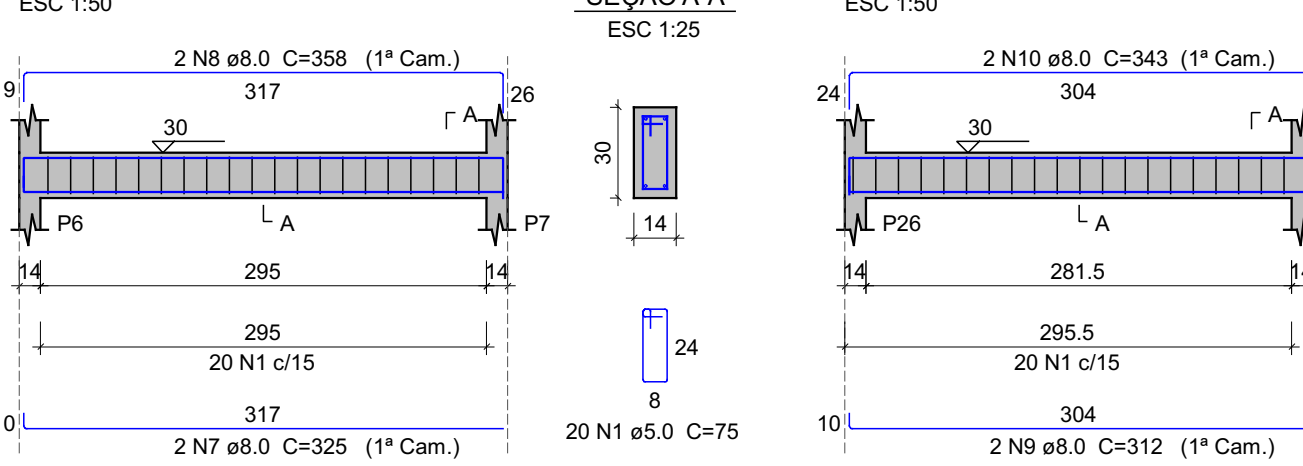
V2 (14 x 30)



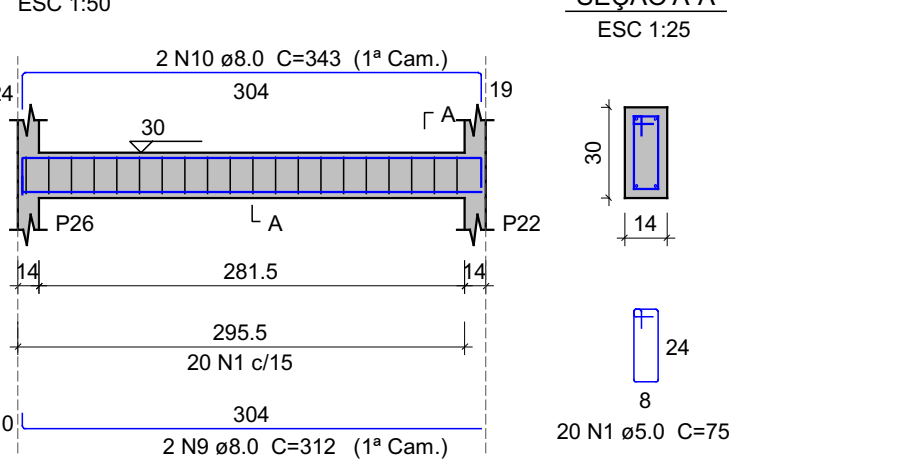
V4 (14 x 30)



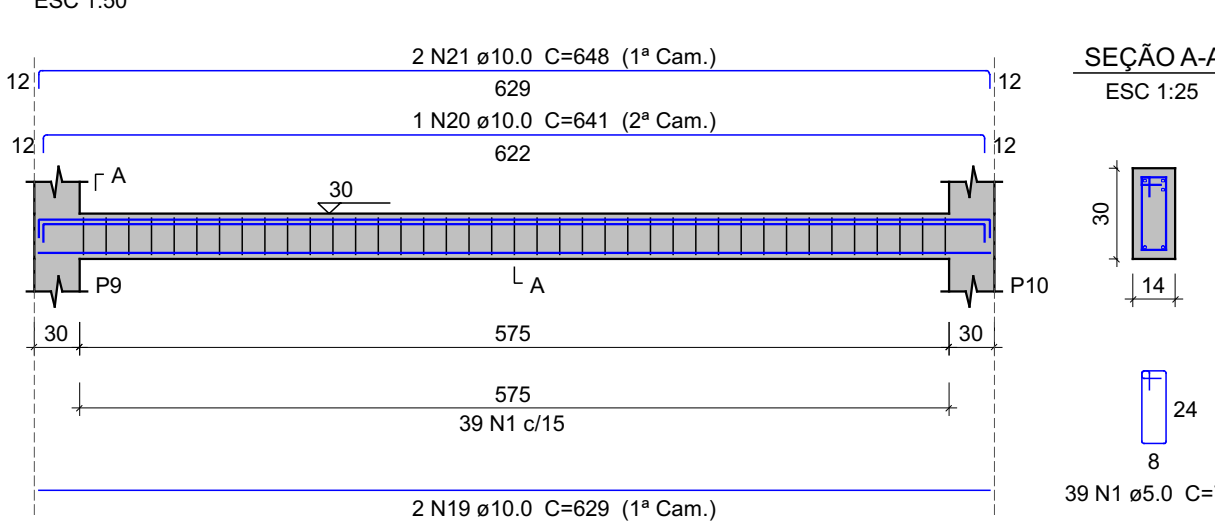
V5 (14 x 30)



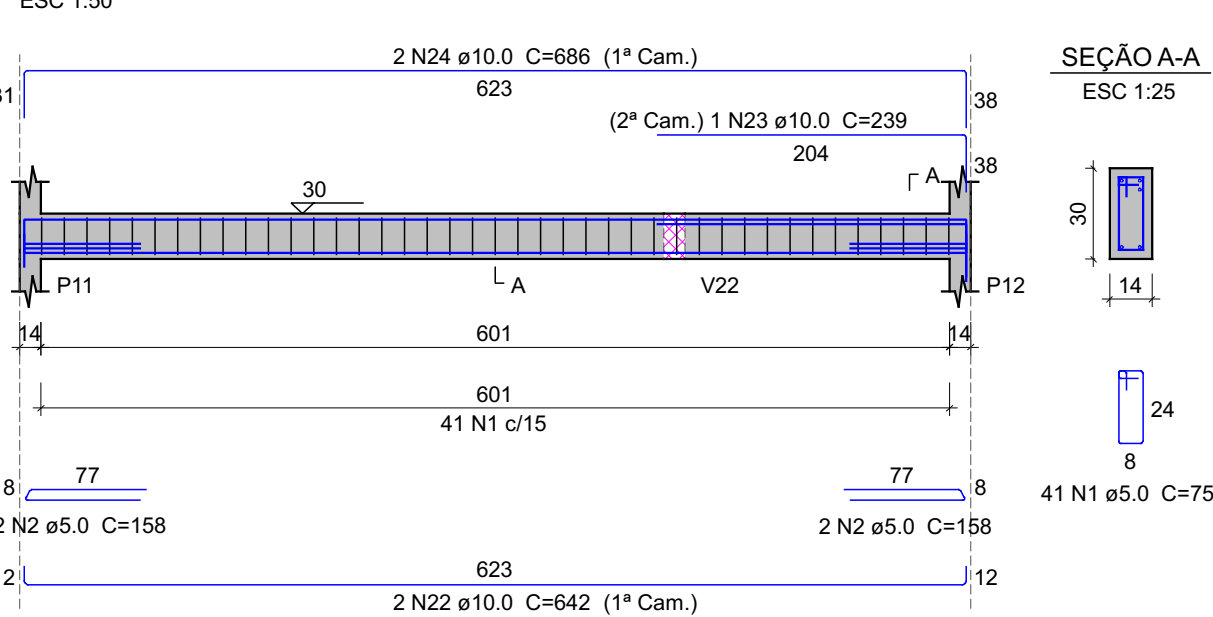
V17 (14 x 30)



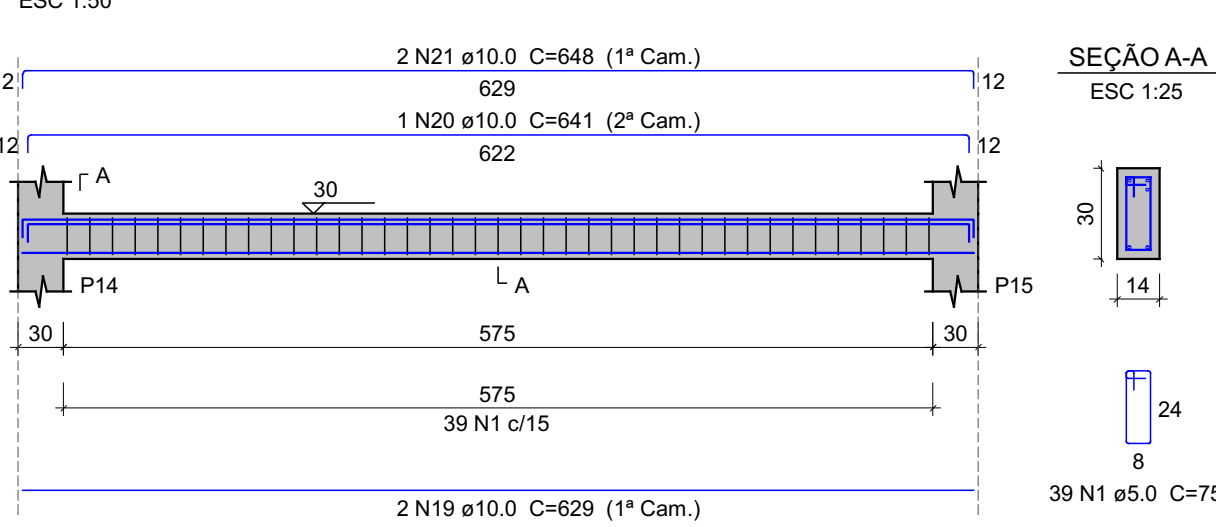
V7 (14 x 30)



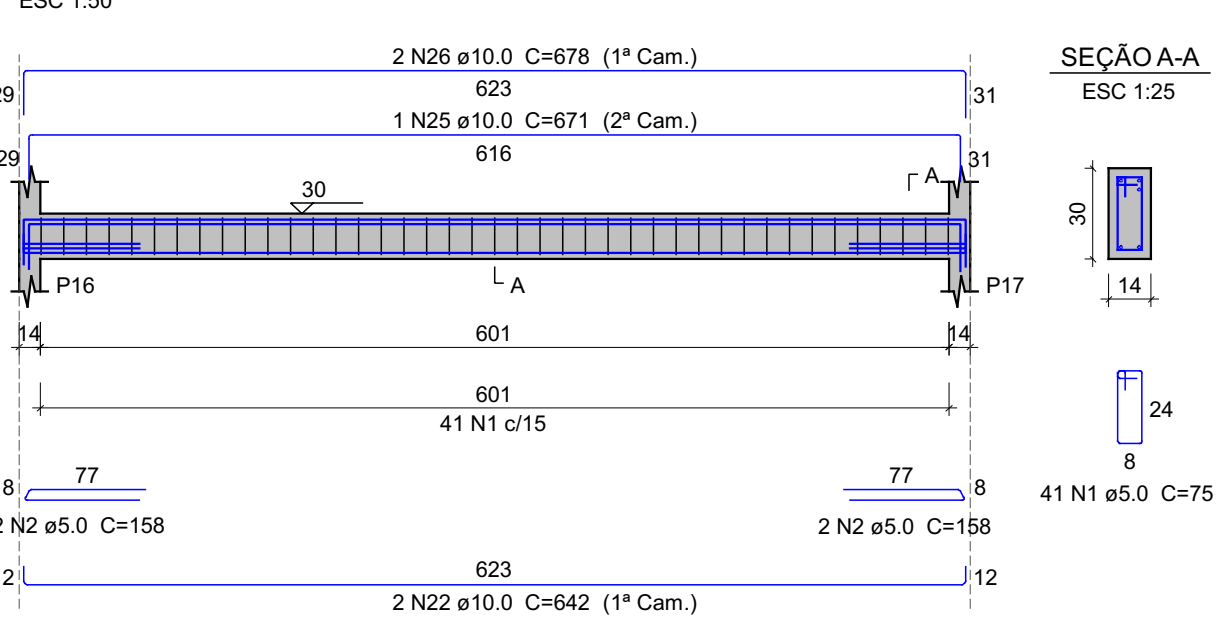
V8 (14 x 30)



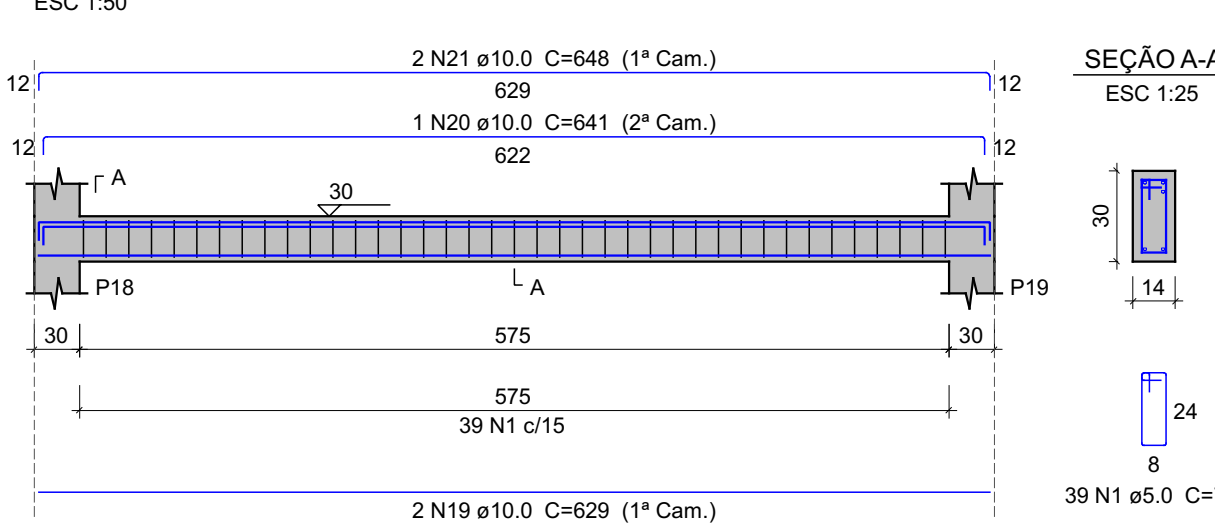
V10 (14 x 30)



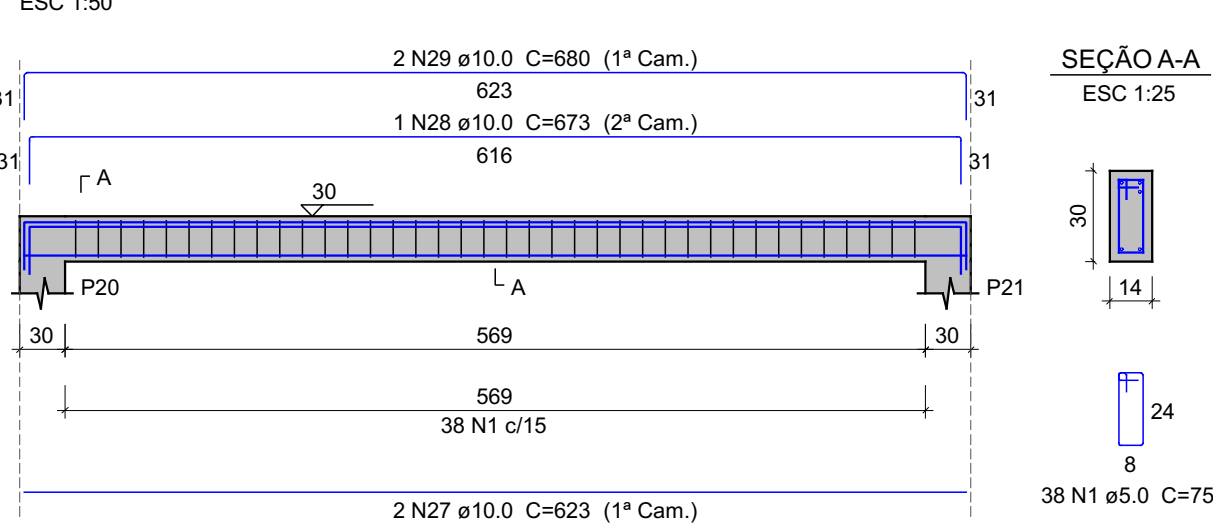
V11 (14 x 30)



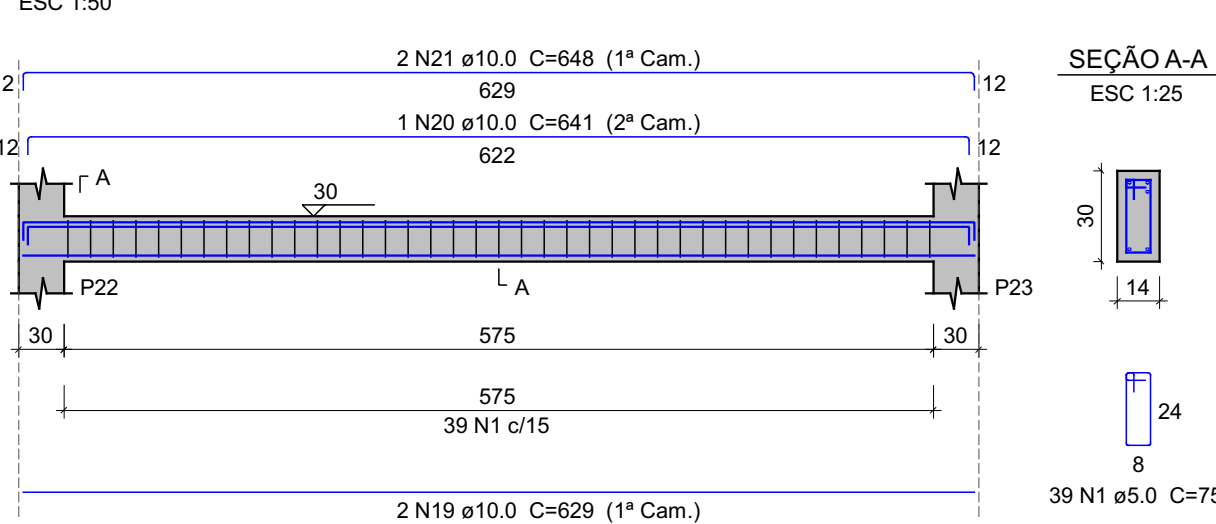
V12 (14 x 30)



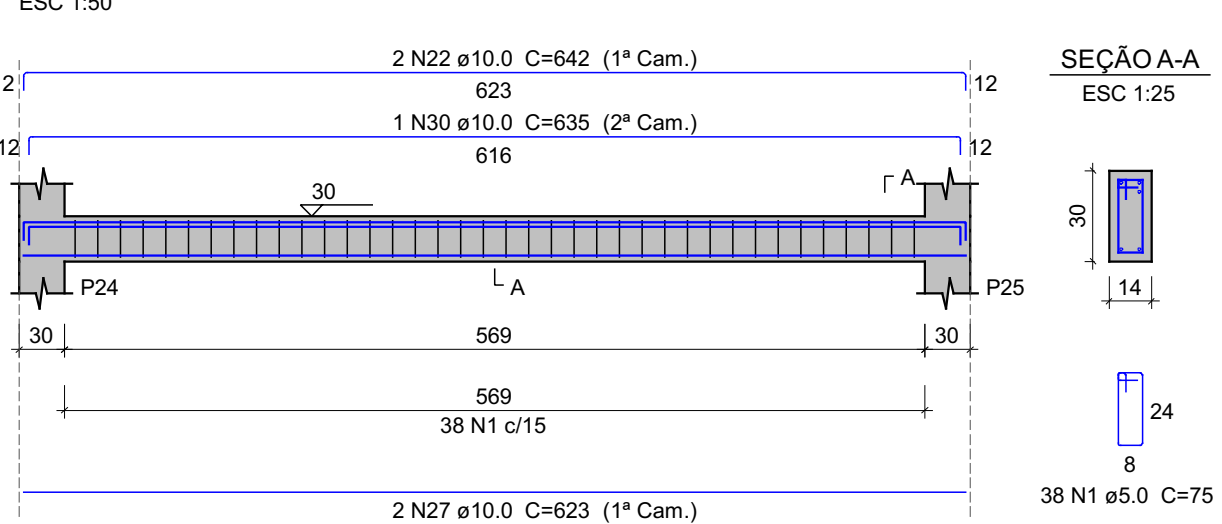
V13 (14 x 30)



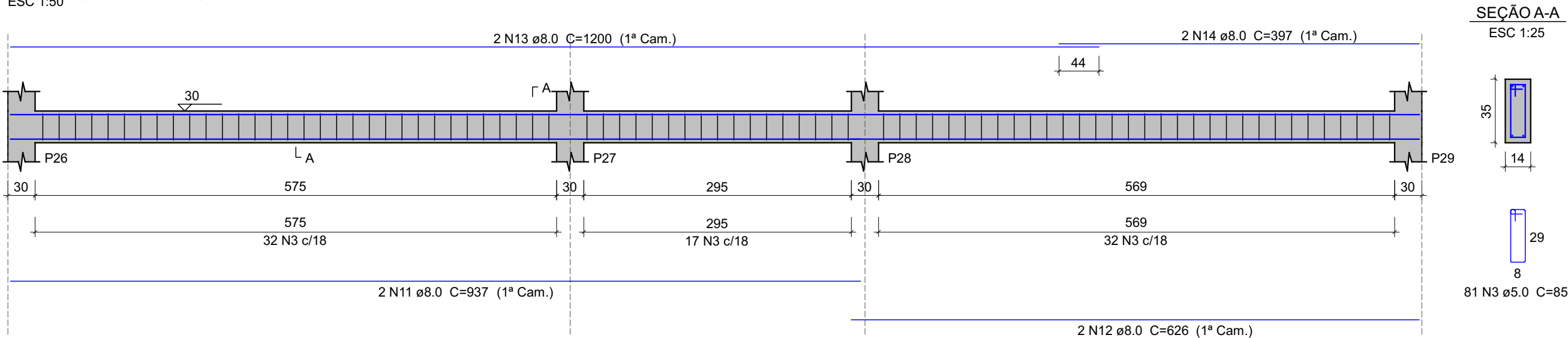
V14 (14 x 30)



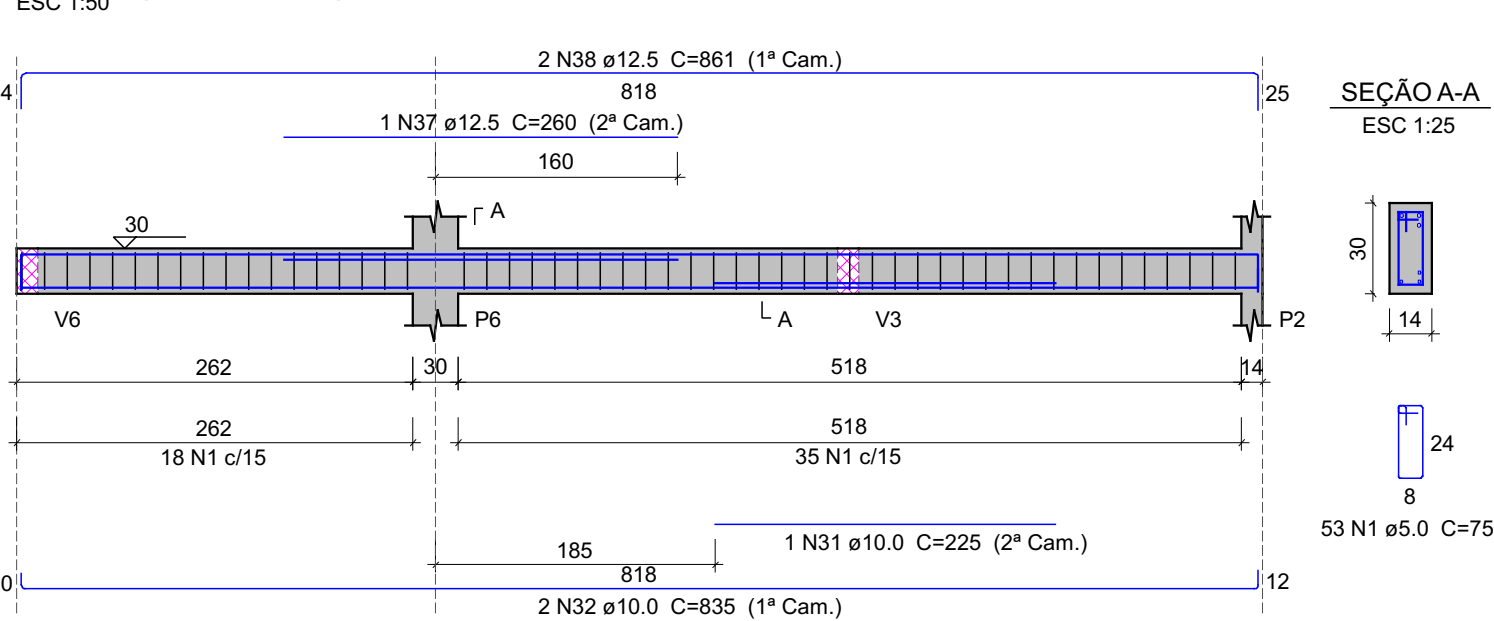
V15 (14 x 30)



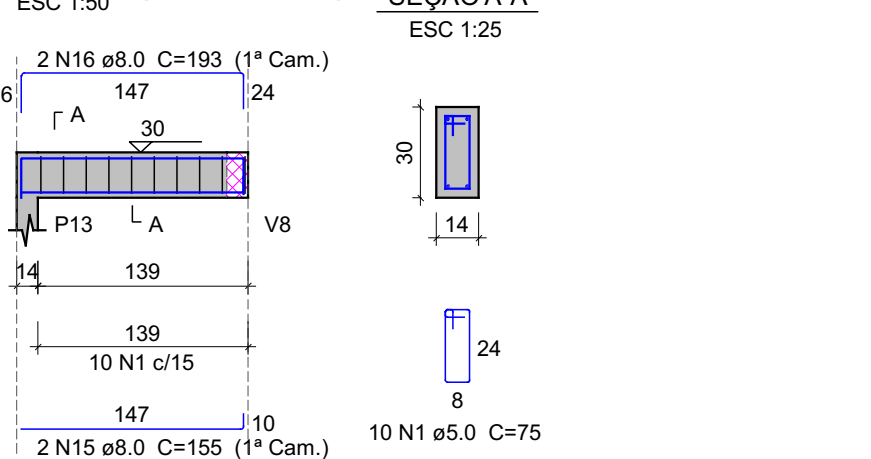
V16 (14 x 35)



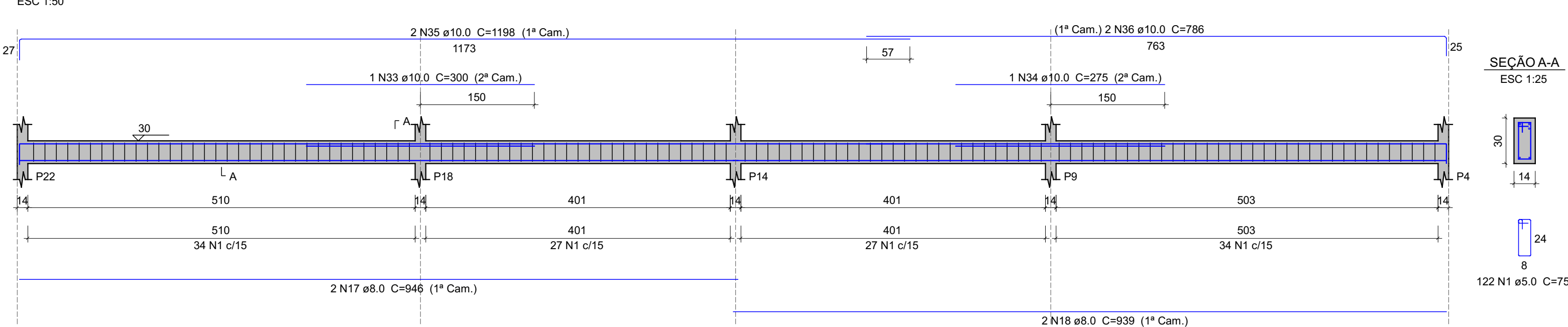
V21 (14 x 30)



V22 (14 x 30)



V18 (14 x 30)



Relação do aço					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	636	75	47700
CA50	2	5.0	8	158	1264
	3	5.0	81	85	6885
	4	8.0	4	639	2556
	5	8.0	2	317	634
	6	8.0	2	334	668
	7	8.0	2	325	650
	8	8.0	2	358	716
	9	8.0	2	312	624
	10	8.0	2	343	686
	11	8.0	2	937	1874
	12	8.0	2	626	1252
	13	8.0	2	1200	2400
	14	8.0	2	397	794
	15	8.0	2	155	310
	16	8.0	2	193	386
	17	8.0	2	946	1892
	18	8.0	2	939	1878
	19	10.0	10	629	6290
	20	10.0	5	641	3205
	21	10.0	10	648	6480
	22	10.0	6	642	3852
	23	10.0	1	239	239
	24	10.0	2	686	1372
	25	10.0	1	671	671
	26	10.0	2	678	1356
	27	10.0	4	623	2492
	28	10.0	1	673	673
	29	10.0	2	680	1360
	30	10.0	1	635	635
	31	10.0	1	225	225
	32	10.0	2	835	1670
	33	10.0	1	300	300
	34	10.0	1	275	275
	35	10.0	2	1198	2396
	36	10.0	2	786	1572
	37	12.5	1	260	260
	38	12.5	2	861	1722

Resumo do aço				
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10 % (Barras)	UNIT
CA50	8.0	173.2	16	12 m
	10.0	350.7	33	12 m
	12.5	19.9	2	12 m
CA60	5.0	558.5	52	12 m
PESO TOTAL (kg)				
CA50	334			
CA60	94.7			
Volume de concreto (C-25) = 4.65 m³				
Área de forma = 81.52 m²				

MAOBA ENGENHARIA	
Av. Carlos Pereira de Melo - 473, Sala 05	
Obra	
REFORMA E AMPLIAÇÃO ESCOLAR	
ESCOLA ORDÁLIA ARAÚJO DE LIMA	
Projeto	Proprietário
VITÓRIA EDUARDA SILVA LUCENA 0922278407	PREFEITURA MUNICIPAL DE RORAINÓPOLIS
Projeto	
PROJETO DISCIPLINA	
Pavimento	Proncho
BALDRAME	5
Conteúdo	Planta baixa Legendas e notas
Data	Escola
Desenho	Conferência
Revisor	