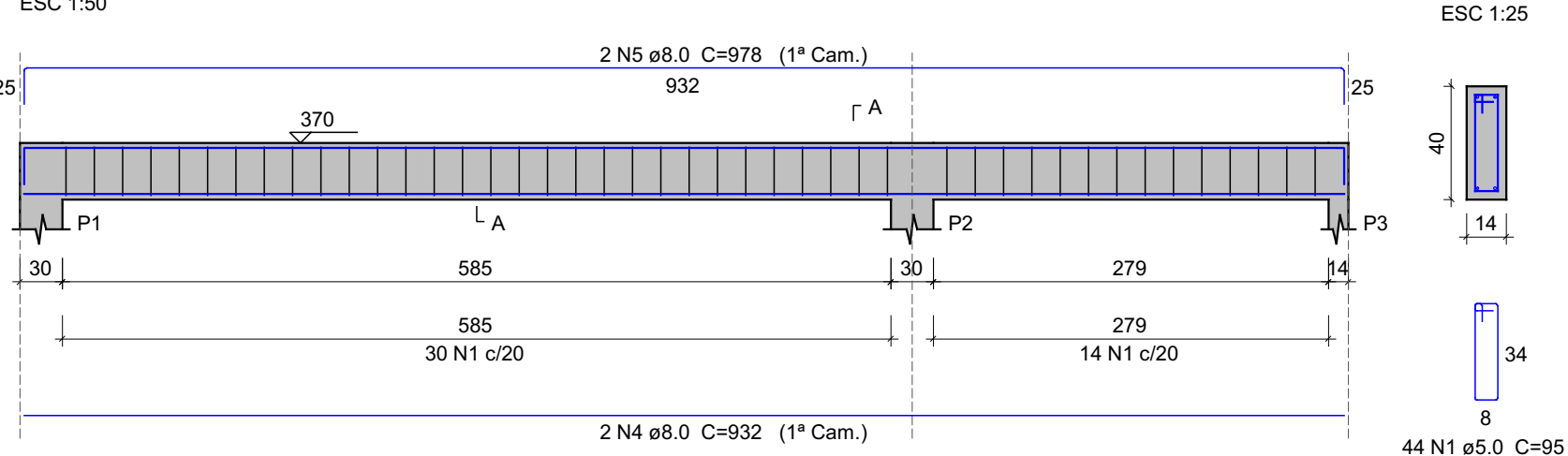
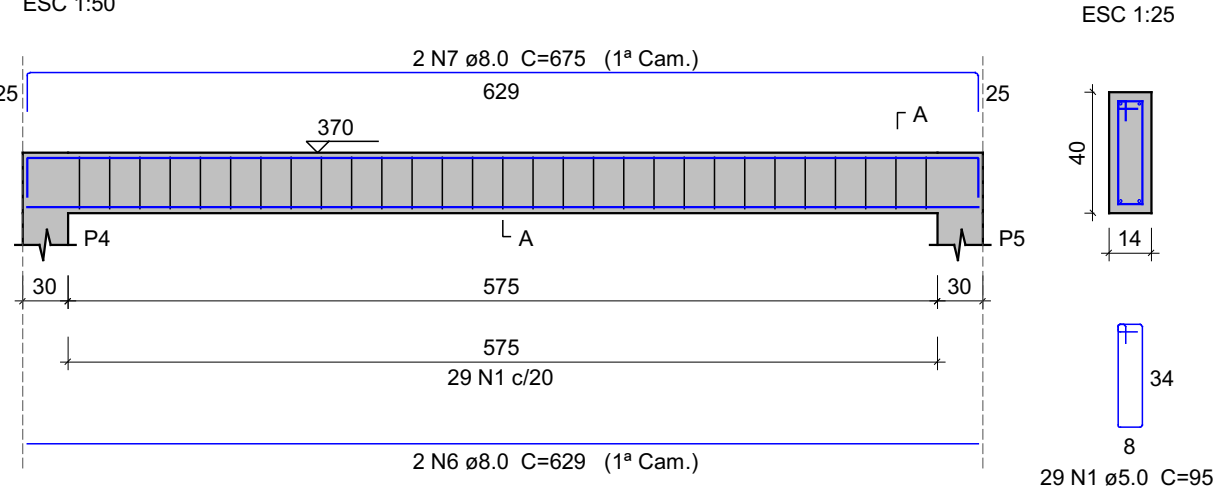


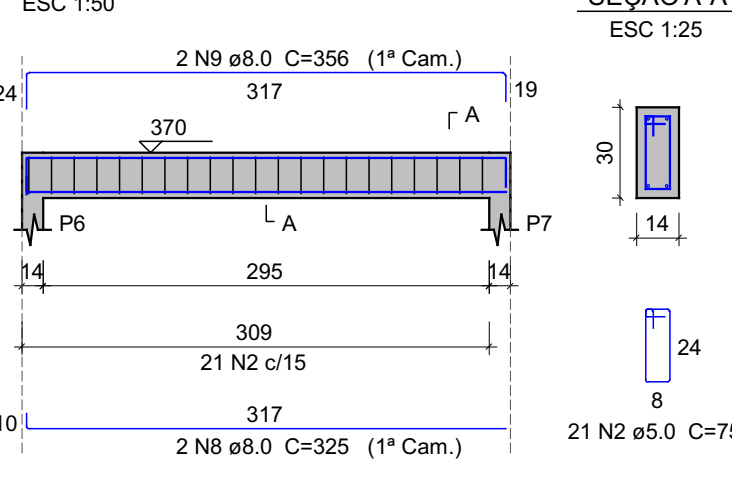
V1 (14 x 40)



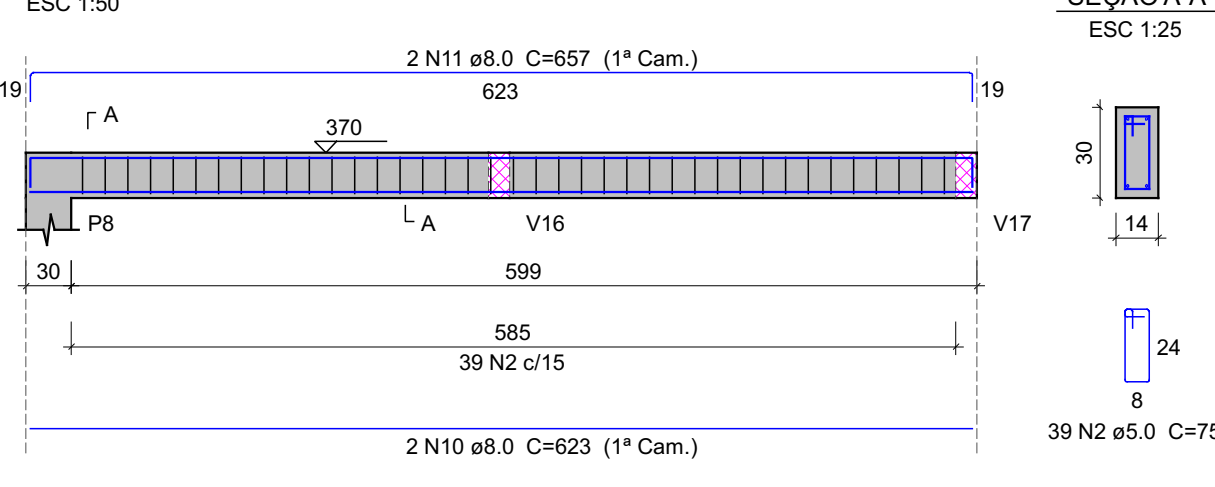
V2 (14 x 40)



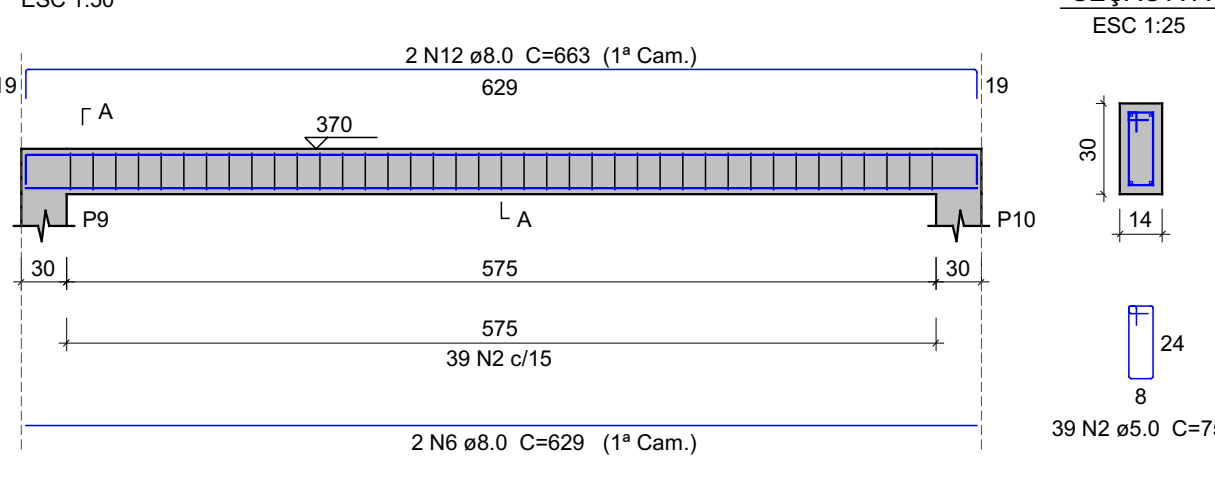
V3 (14 x 30)



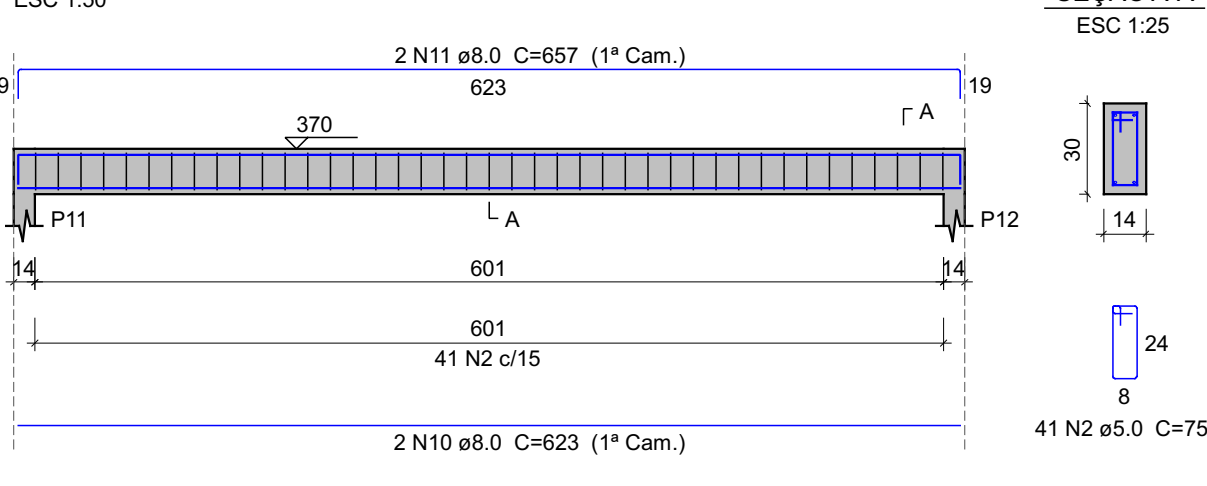
V4 (14 x 30)



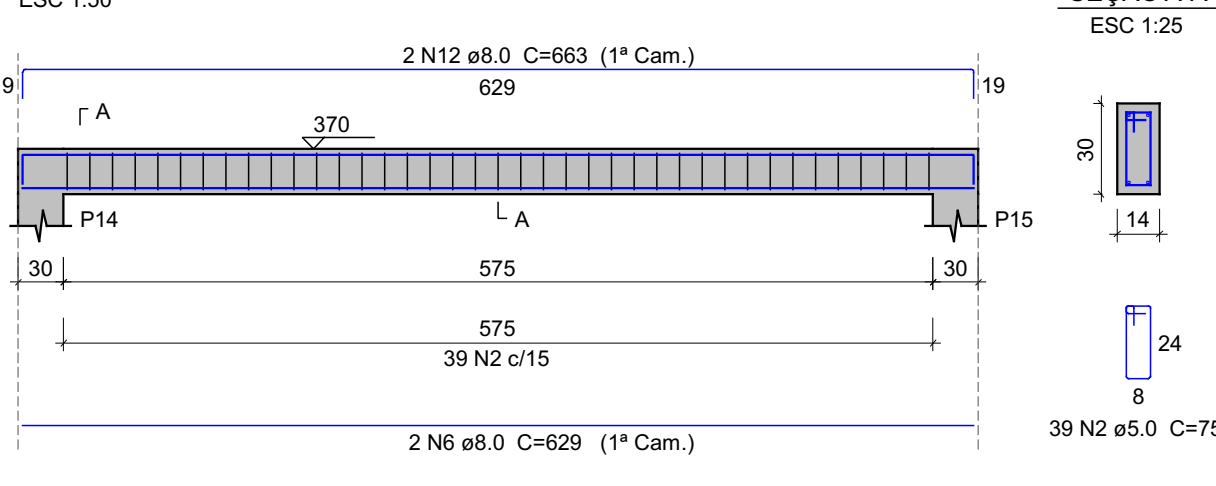
V5 (14 x 30)



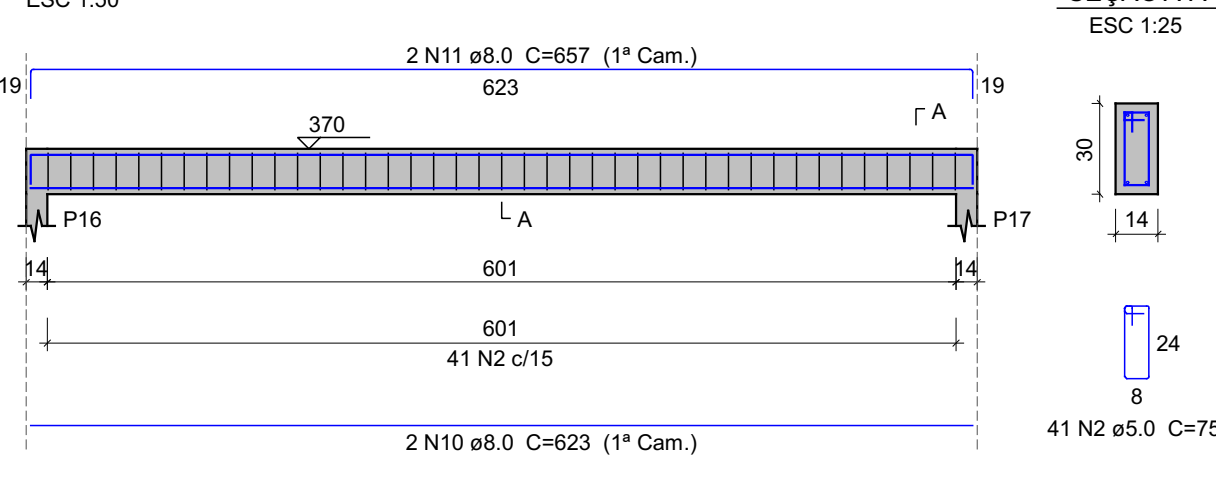
V6 (14 x 30)



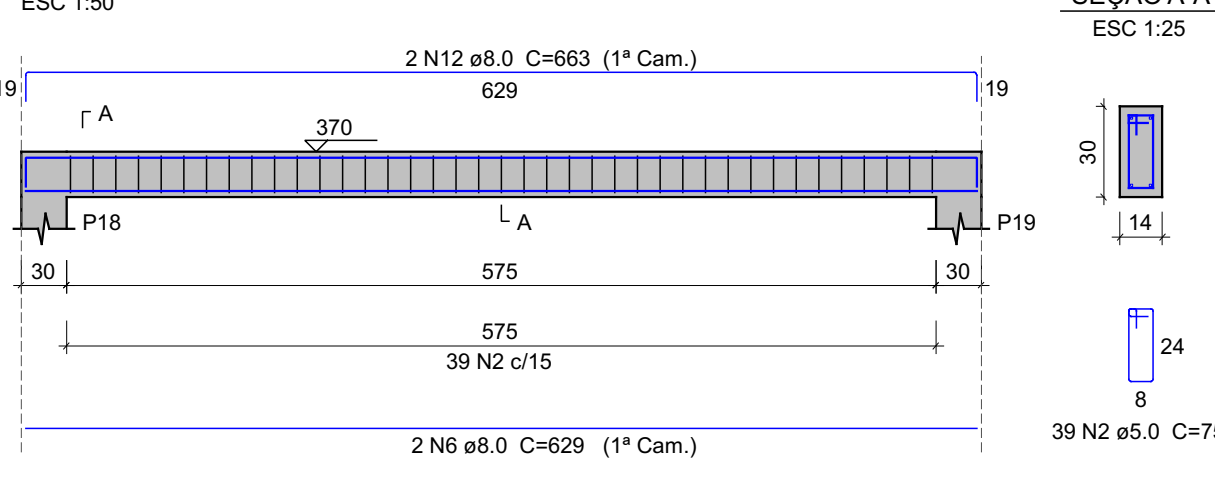
V7 (14 x 30)



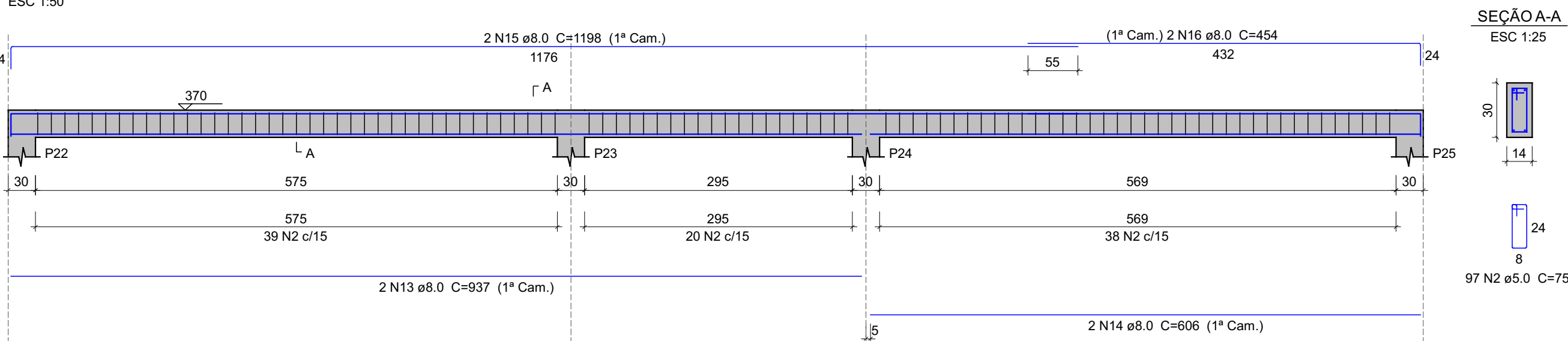
V8 (14 x 30)



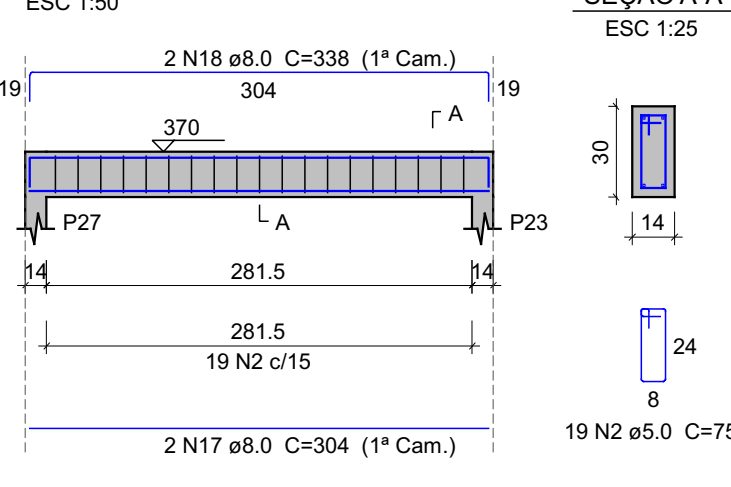
V9 (14 x 30)



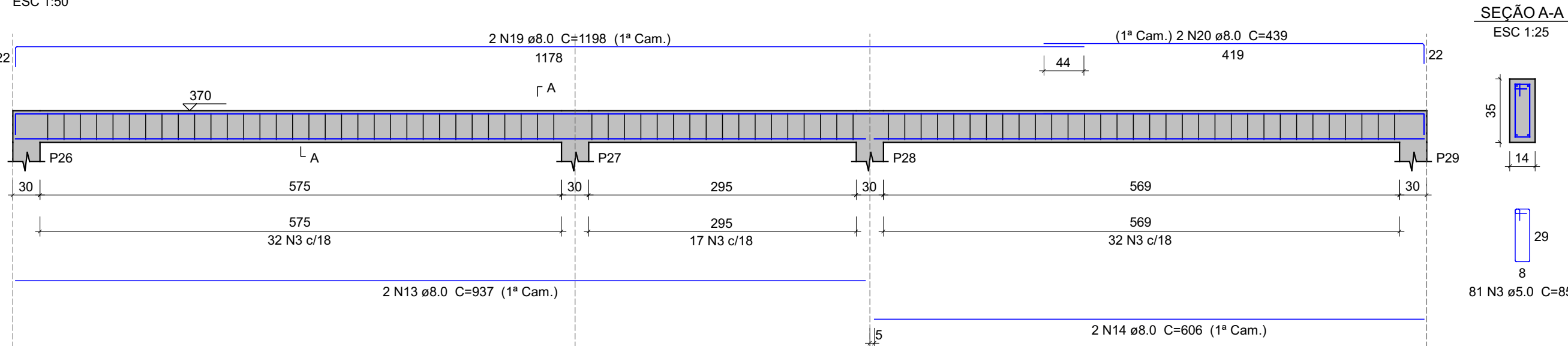
V10 (14 x 30)



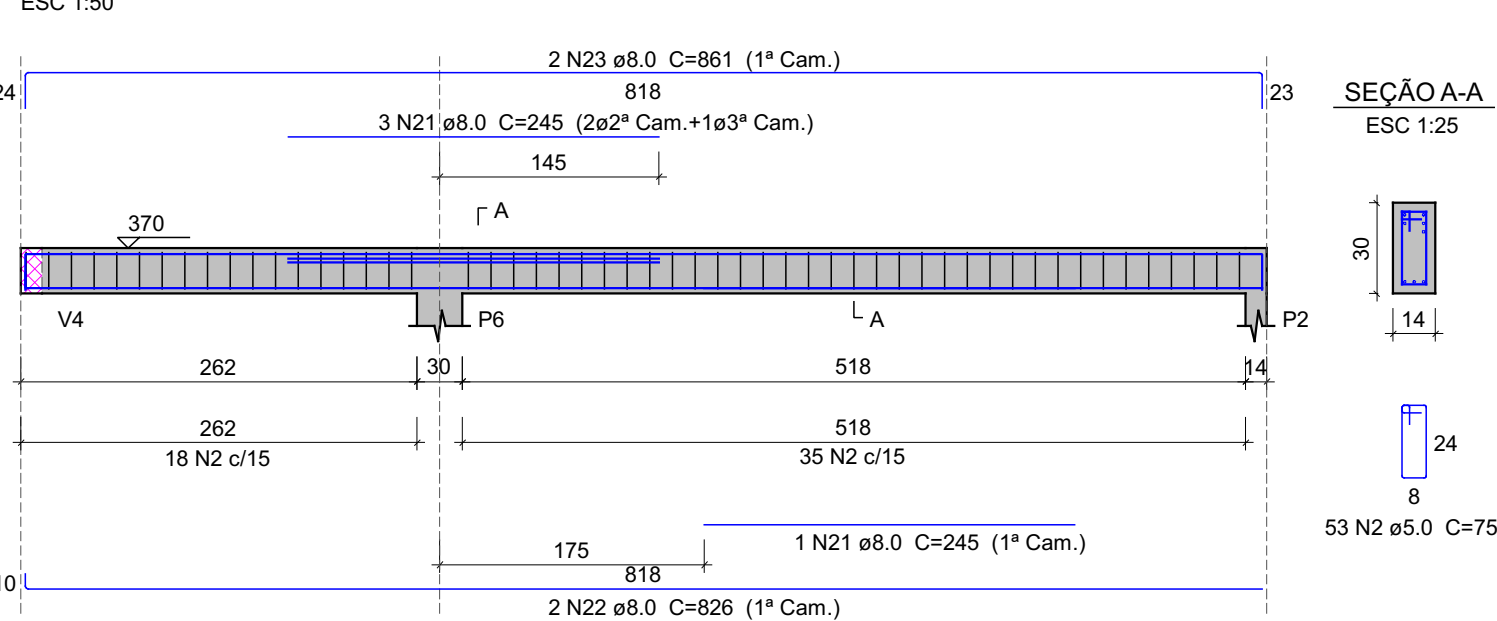
V13 (14 x 30)



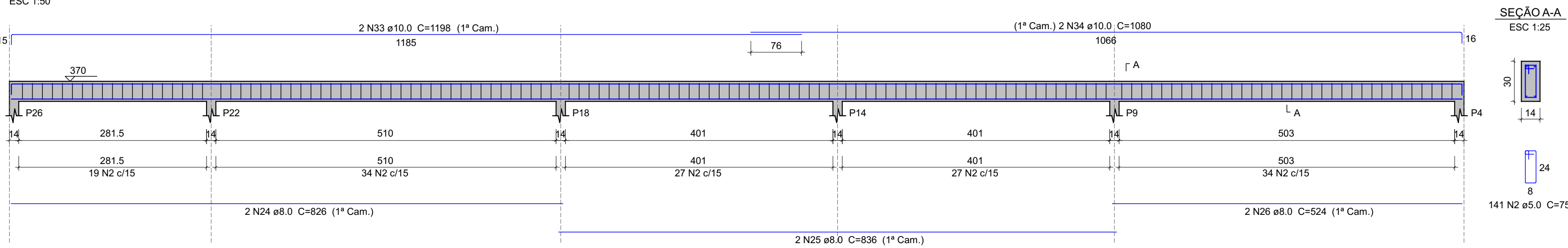
V11 (14 x 35)



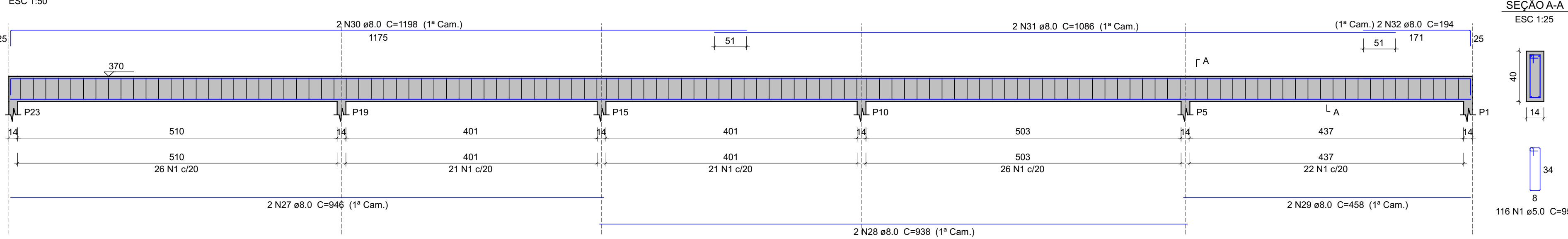
V16 (14 x 30)



V12 (14 x 30)



V14 (14 x 40)



Relação do aço

ACO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	189	95	17955
V4	2	5.0	569	75	42675
V7	3	5.0	81	85	6885
CA50	4	8.0	2	932	1864
	5	8.0	2	978	1956
	6	8.0	8	629	5032
	7	8.0	2	675	1350
	8	8.0	2	325	650
	9	8.0	2	356	712
	10	8.0	6	623	3738
	11	8.0	6	657	3942
	12	8.0	6	663	3978
	13	8.0	4	937	3748
	14	8.0	4	606	2424
	15	8.0	2	1198	2396
	16	8.0	2	454	908
	17	8.0	2	304	608
	18	8.0	2	338	676
	19	8.0	2	1198	2396
	20	8.0	2	439	878
	21	8.0	4	245	980
	22	8.0	2	826	1652
	23	8.0	2	861	1722
	24	8.0	2	826	1652
	25	8.0	2	836	1672
	26	8.0	2	524	1048
	27	8.0	2	946	1892
	28	8.0	2	938	1876
	29	8.0	2	458	916
	30	8.0	2	1198	2396
	31	8.0	2	1086	2172
	32	8.0	2	194	388
	33	10.0	2	1198	2396
	34	10.0	2	1080	2160

Resumo do aço

ACO	DIAM (mm)	C.TOTAL (m)	QUANT + 10 % (Barras)	UNIT
CA50	8.0	556.3	51	12 m
CA60	10.0	45.6	5	12 m
PESO TOTAL (kg)	5.0	675.2	62	12 m
CA50	272.3			
CA60	114.5			

Volume de concreto (C-25) = 6.3 m³
Área de forma = 107.66 m²

MAOBA ENGENHARIA Av. Carlos Pereira de Melo - 473, Sala 05	
Obra: REFORMA E AMPLIAÇÃO ESCOLAR ESCOLA ORDÁLIAARAÚJO DE LIMA	
Projetista: VITÓRIA EDUARDA SILVA LUCENA 0922278407	Proprietário: PREFEITURA MUNICIPAL DE RORAINÓPOLIS
Projeto: PROJETO DISCIPLINA	
Conteúdo: COBERTURA	
Prancha: 8	
Conjunto: 1 Prancha: 10	
Data:	Revisor: