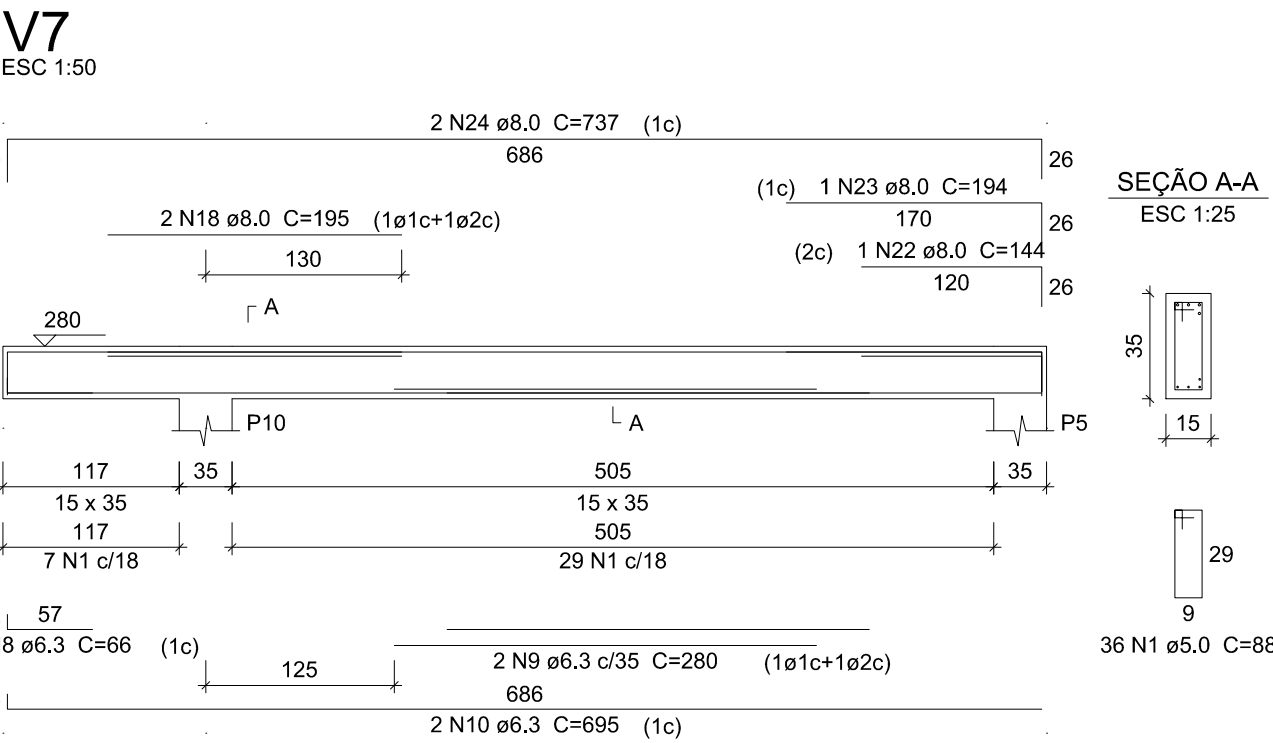
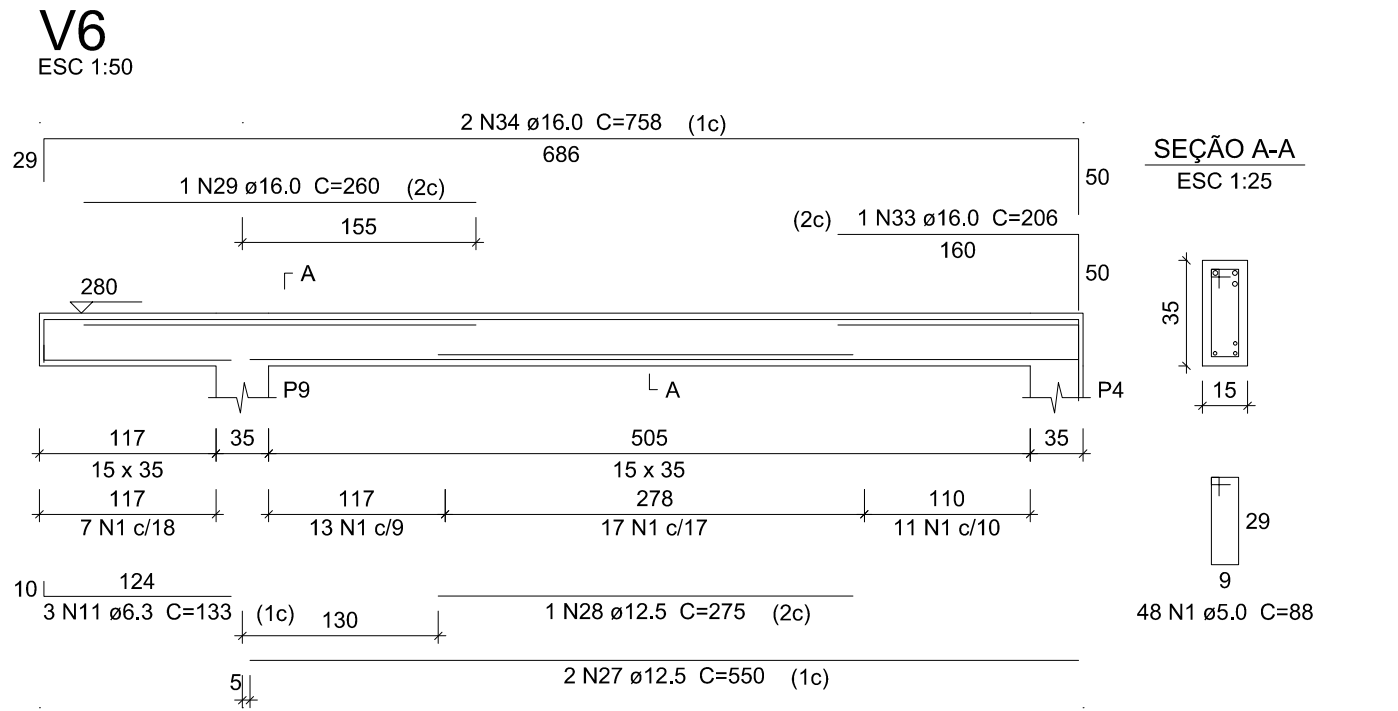
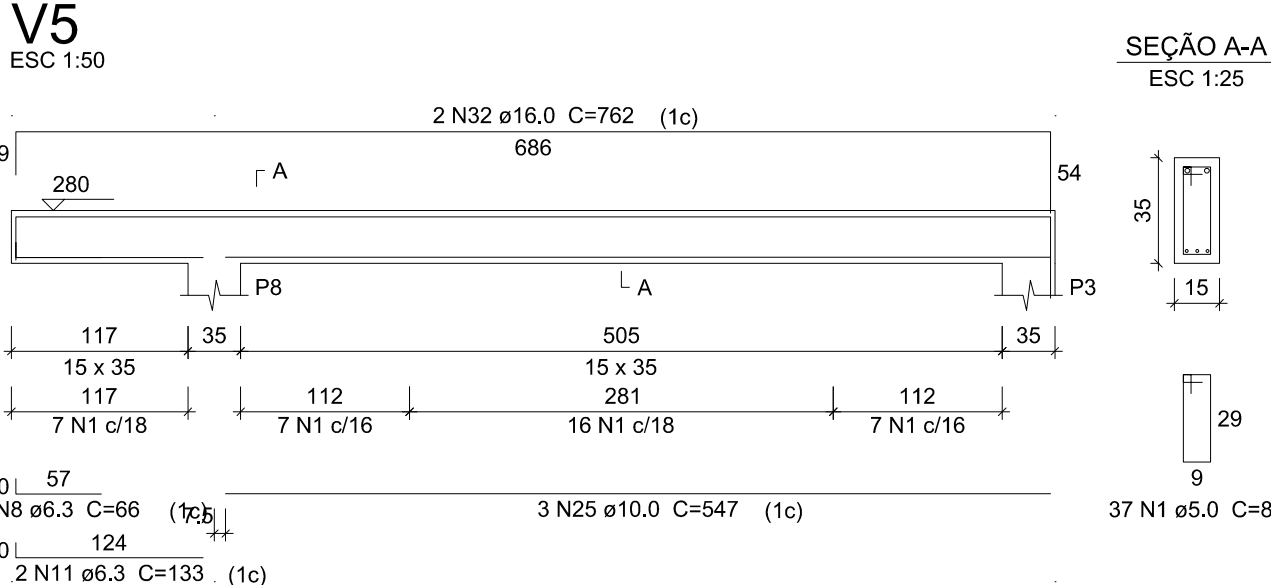
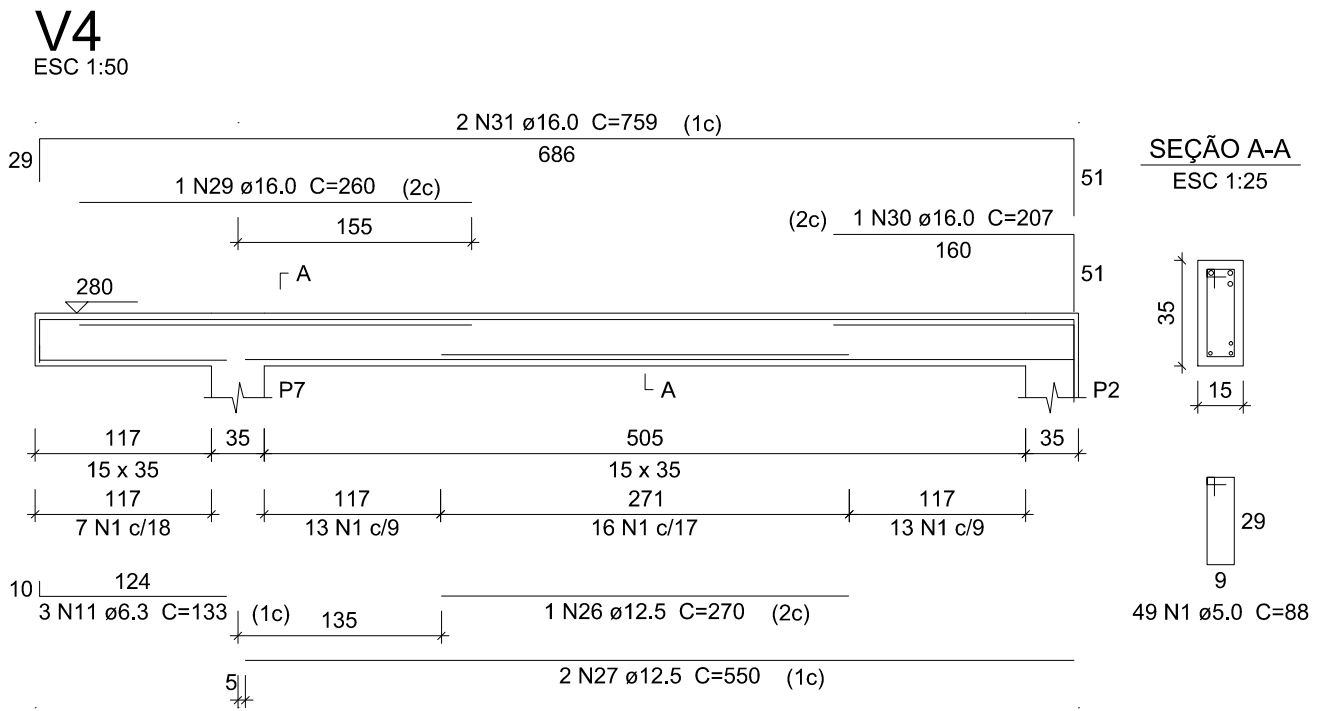
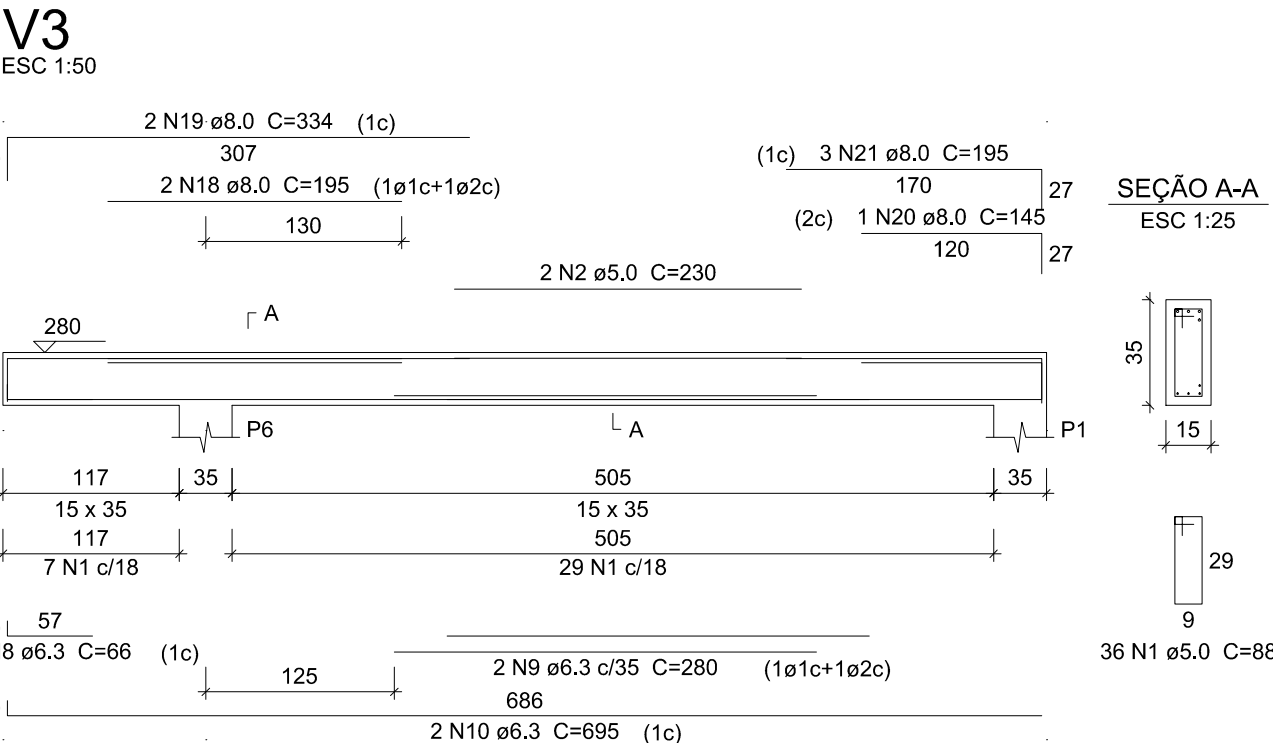
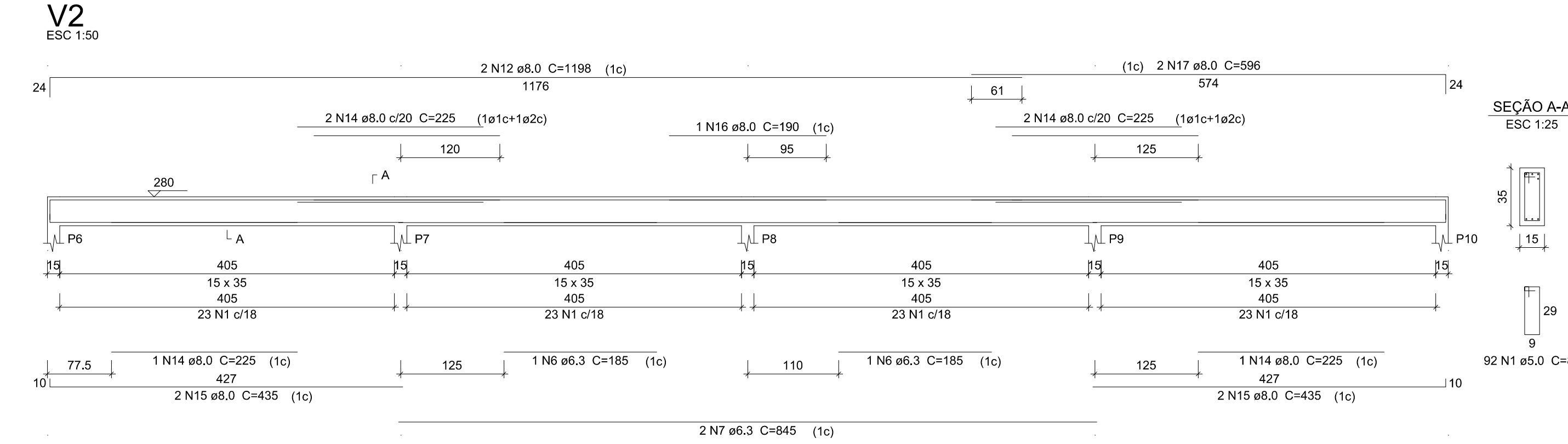
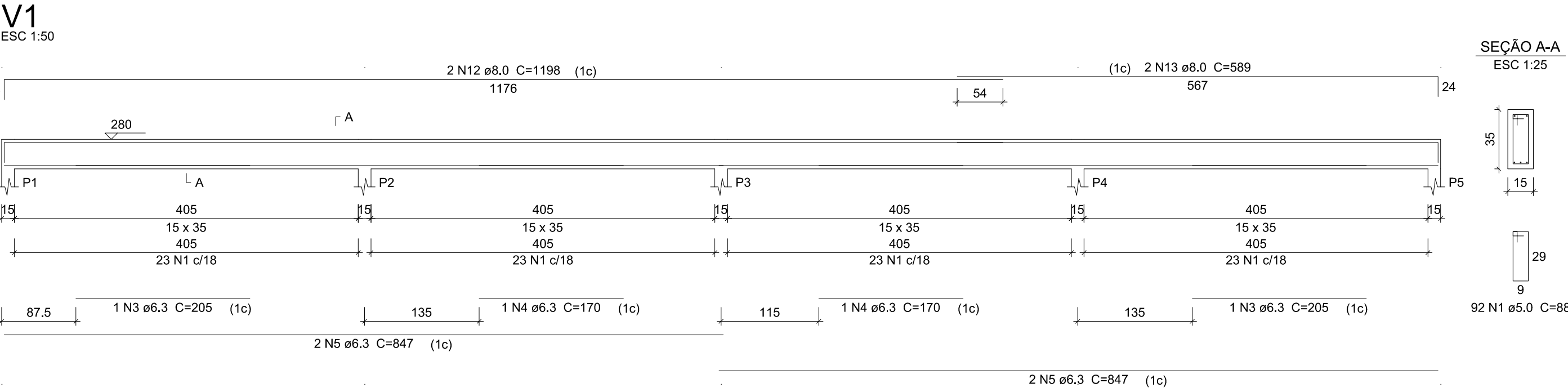


VIGAS



RELAÇÃO DO AÇO						
V1	V2	V3	V4	V5	V6	V7
AÇO	N	DIAM (mm)	QUANT	C,UNIT (cm)	C,TOTAL (cm)	
CA60	1	5.0	390	88	34320	
	2	5.0	2	230	460	
CA50	3	6.3	2	205	410	
	4	6.3	2	170	340	
	5	6.3	4	847	3388	
	6	6.3	2	185	370	
	7	6.3	2	845	1690	
	8	6.3	3	66	198	
	9	6.3	4	280	1120	
	10	6.3	4	695	2780	
	11	6.3	8	133	1064	
	12	8.0	4	1198	4792	
	13	8.0	2	589	1178	
	14	8.0	6	225	1350	
	15	8.0	4	435	1740	
	16	8.0	1	190	190	
	17	8.0	2	596	1192	
	18	8.0	4	195	780	
	19	8.0	2	334	668	
	20	8.0	1	145	145	
	21	8.0	3	195	585	
	22	8.0	1	144	144	
	23	8.0	1	194	194	
	24	8.0	2	737	1474	
	25	10.0	3	547	1641	
	26	12.5	1	270	270	
	27	12.5	4	550	2200	
	28	12.5	1	275	275	
	29	16.0	2	260	520	
	30	16.0	1	207	207	
	31	16.0	2	759	1518	
	32	16.0	2	762	1524	
	33	16.0	1	206	206	
	34	16.0	2	758	1516	

RESUMO DO AÇO			
AÇO	DIAM (mm)	C,TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	113.6	30.6
	8.0	144.4	62.6
	10.0	16.5	11.1
	12.5	27.5	29.1
	16.0	55	95.3
CA60	5.0	347.8	59
PESQ TOTAL (kg)			
CA50	228.8		
CA60	59		

Volume de concreto (C-25) = 3.6 m³
Área de forma = 58.23 m²

PREFEITURA MUNICIPAL DE VARGEM ALTA
ESTADO DO ESPÍRITO SANTO

TÍTULO

PROJETO DE DETALHAMENTO DOS VESTIÁRIOS
NO CAMPO DE FUTEBOL DE PARAÍSO

PROJETO

PROJETO DE FUNDAÇÃO

ESCALA

INDICADA

DATA

SETEMBRO/2017

DESENHO

SARAH

PRANCHAS

07/09

PREFEITO MUNICIPAL

JOÃO CHRISÓSTOMO ALTOÉ

RESP. TÉCNICO

GERALDO BRUNORO ESTEVES
CREA-ES 033738/D