

Relação do aço

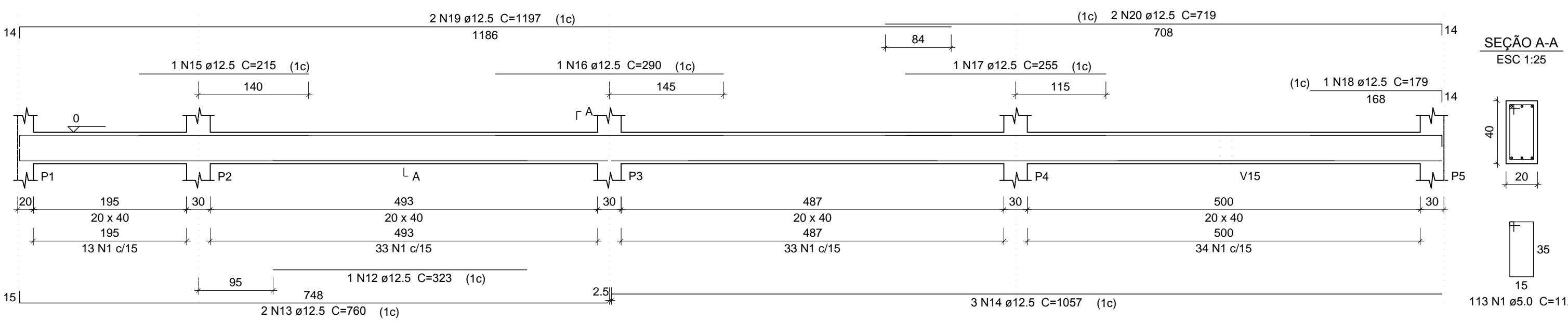
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	634	112	71008
	2	5.0	17	82	1394
CA50	3	10.0	2	600	1200
	4	10.0	2	195	390
	5	10.0	1	158	158
	6	10.0	2	1198	2396
	7	10.0	2	702	1404
	8	10.0	2	327	654
	9	10.0	2	611	1222
	10	10.0	1	165	165
	11	10.0	2	965	1930
	12	12.5	1	323	323
	13	12.5	2	760	1520
	14	12.5	3	1057	3171
	15	12.5	1	215	215
	16	12.5	1	290	290
	17	12.5	1	255	255
	18	12.5	1	179	179
	19	12.5	2	1197	2394
	20	12.5	2	719	1438
	21	12.5	2	266	532
	22	12.5	2	316	632
	23	12.5	2	555	1110
	24	12.5	3	1079	3237
	25	12.5	2	216	432
	26	12.5	1	275	275
	27	12.5	2	1121	2242
	28	12.5	2	242	484
	29	12.5	2	273	546
	30	12.5	2	75	150
	31	12.5	2	124	248
	32	12.5	2	100	200
	33	12.5	2	143	286
	34	12.5	2	885	1770
	35	12.5	2	920	1840
	36	12.5	2	780	1560
	37	12.5	3	510	1530
	38	12.5	1	609	609
	39	12.5	2	1175	2350
	40	12.5	2	211	422
	41	12.5	2	532	1064
	42	12.5	2	568	1136
	43	12.5	2	102	204
	44	12.5	4	139	556
	45	12.5	2	392	784
	46	12.5	2	402	804
	47	12.5	2	97	194
	48	12.5	2	380	760
	49	12.5	2	391	782
	50	12.5	4	295	1180
	51	12.5	2	995	1990

Resumo do aço

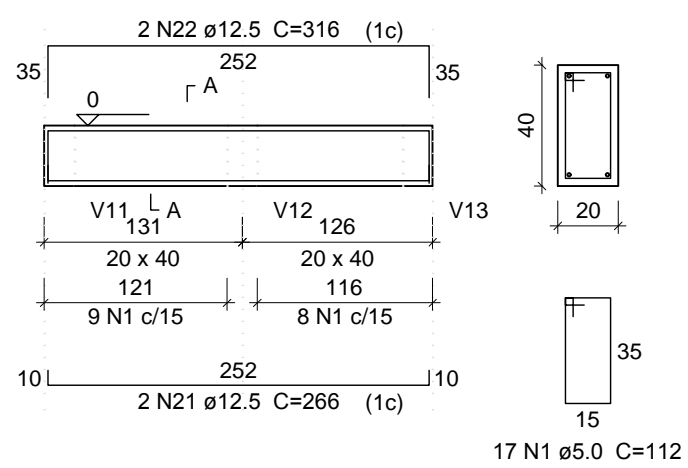
AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	10.0	95.2	59
	12.5	397	392
CA60	5.0	724.1	111.5
PESO TOTAL (kg)			
CA50			451
CA60			111.5

Volume de concreto (C-30) = 8.15 m³
Área de forma = 102.42 m²

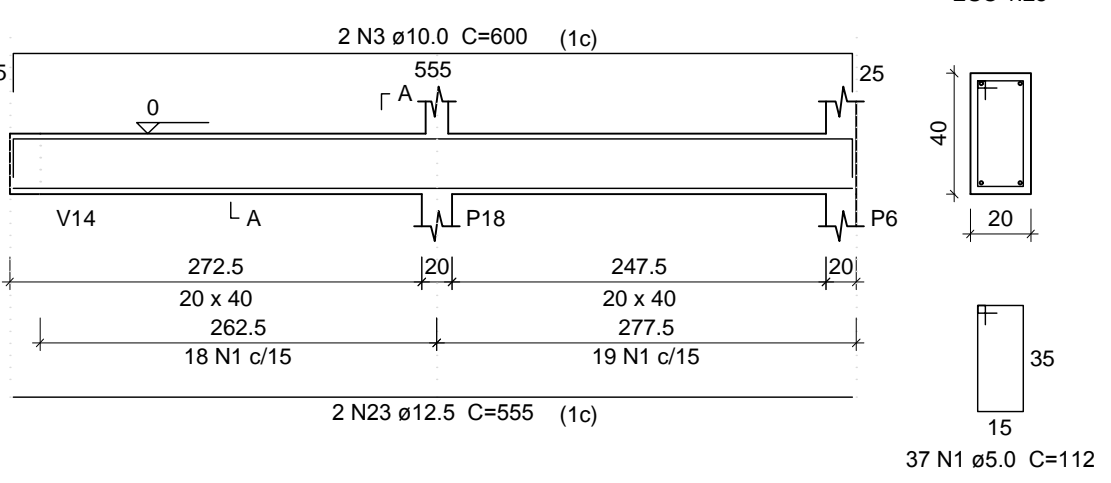
V1 ESC 1:50



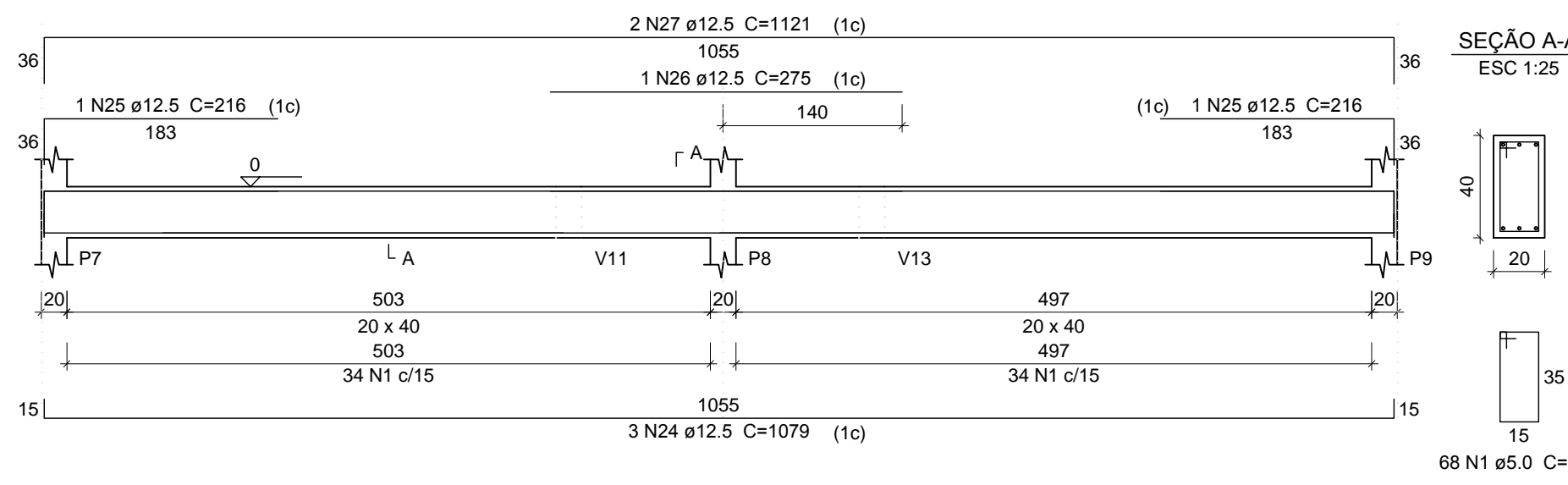
V2 ESC 1:50



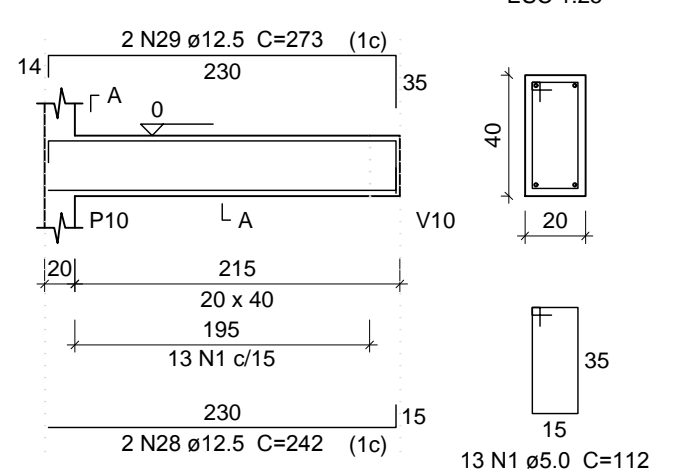
V3 ESC 1:50



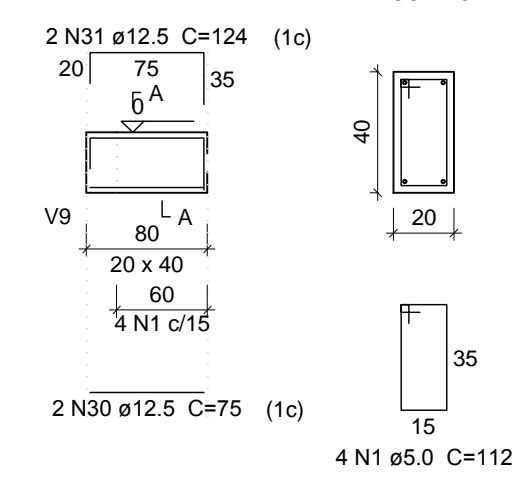
V4 ESC 1:50



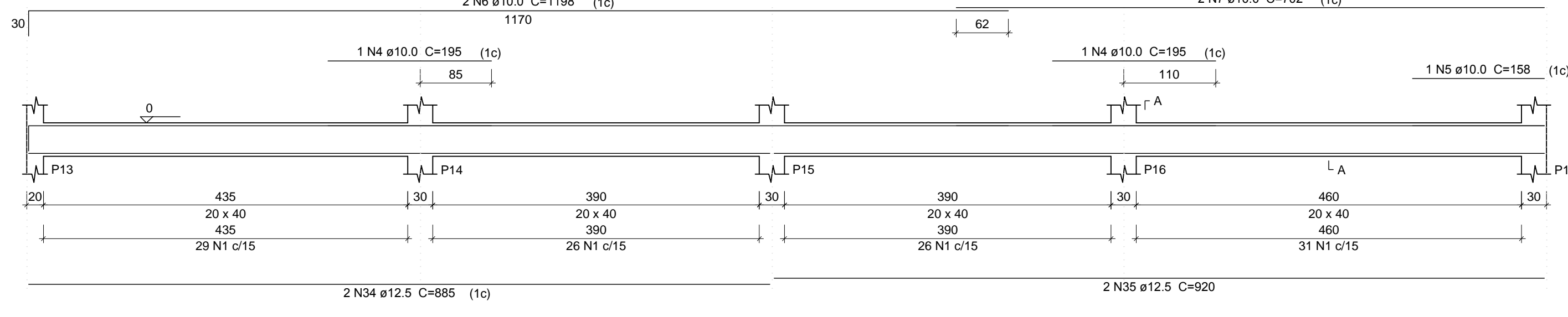
V5 ESC 1:50



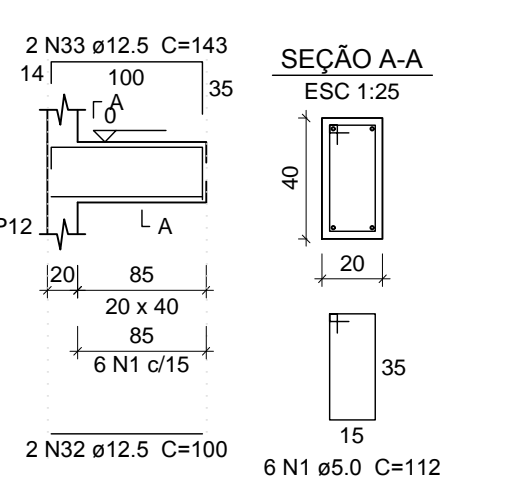
V6 ESC 1:50



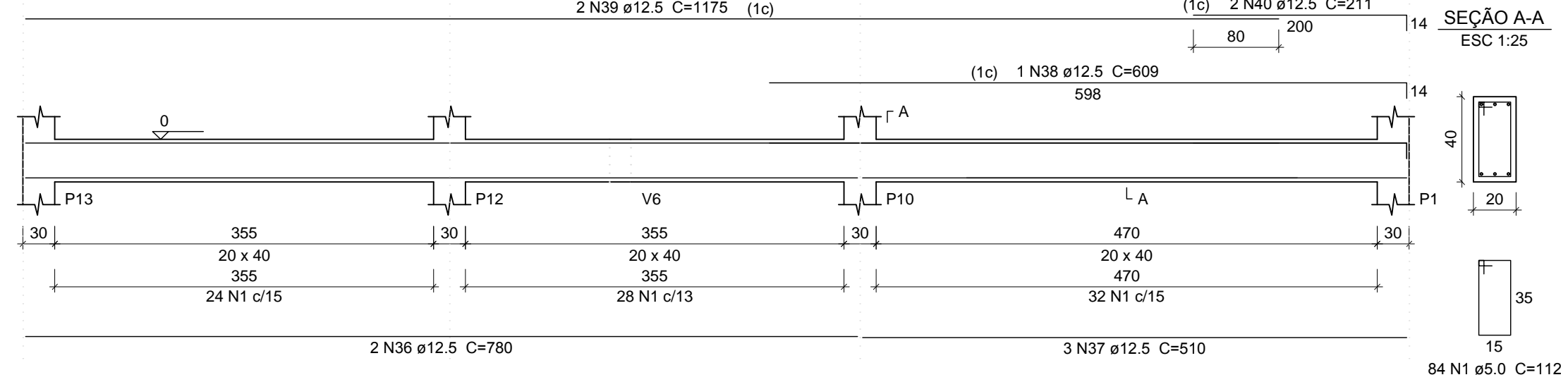
V8 ESC 1:50



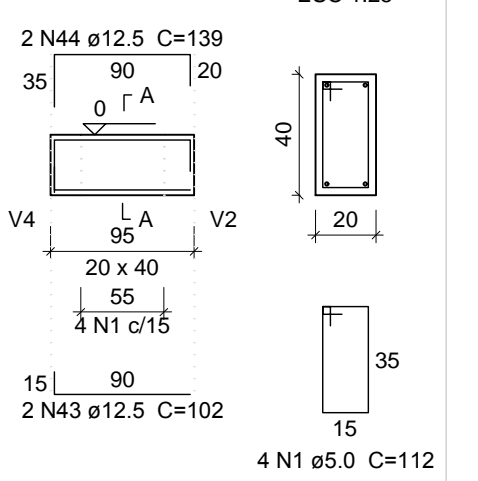
V7 ESC 1:50



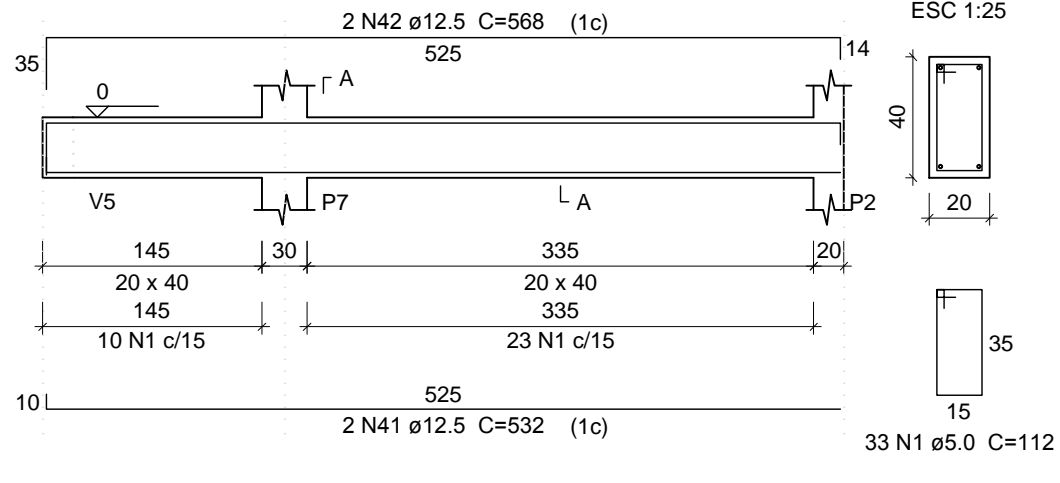
V9 ESC 1:50



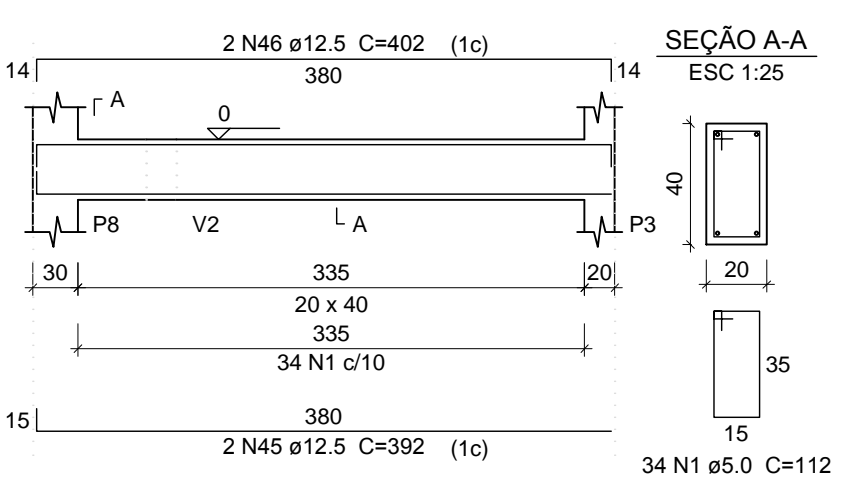
V11 ESC 1:50



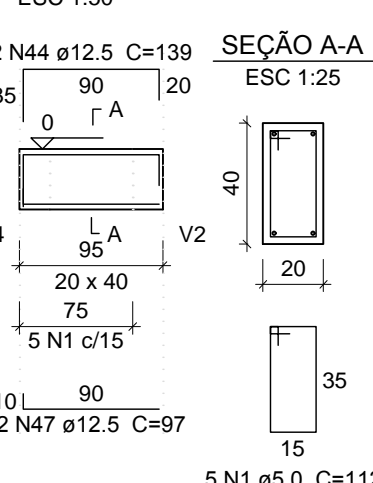
V10 ESC 1:50



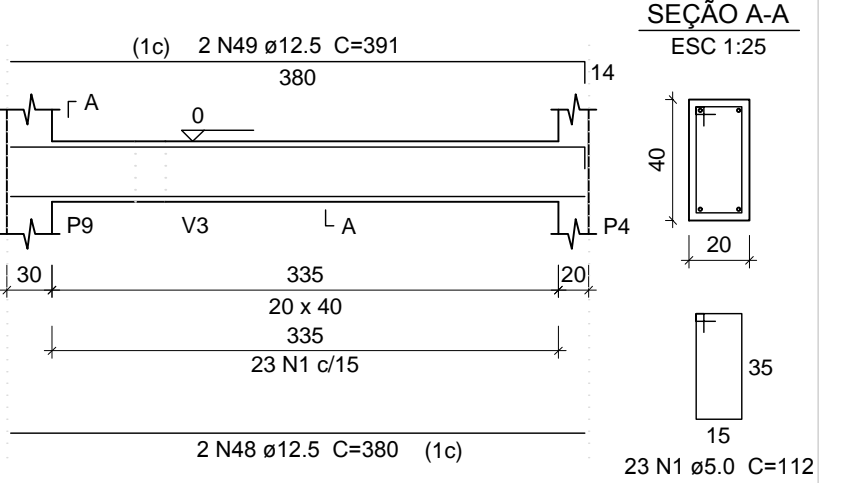
V12 ESC 1:50



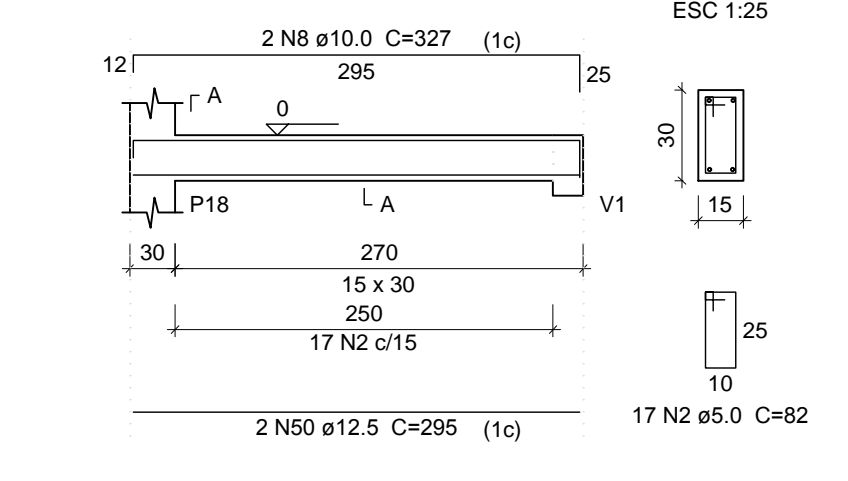
V13 ESC 1:50



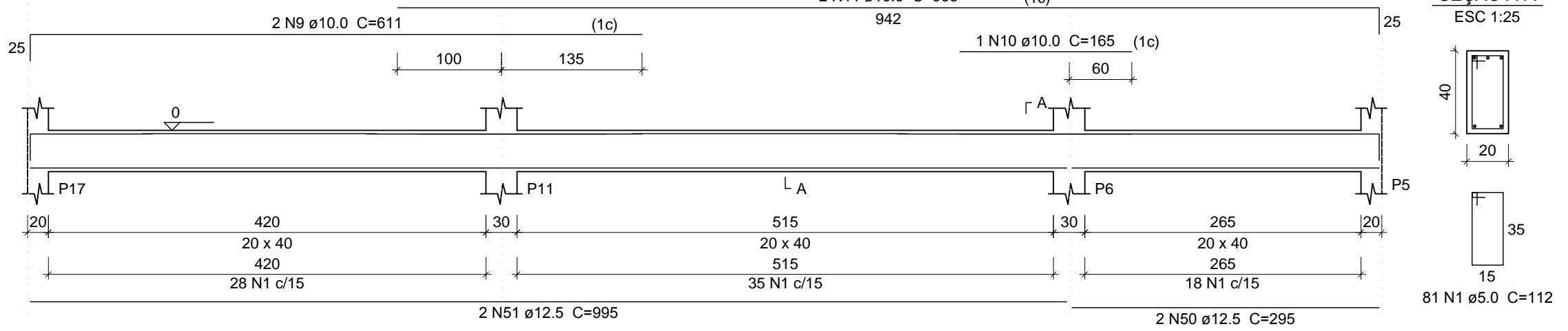
V14 ESC 1:50



V15 ESC 1:50



V16 ESC 1:50



PROJETO ESTRUTURAL

PROPRIETÁRIO:	RESP. TÉCNICO:
Prefeitura Municipal de Doutor Ricardo	Márcio Radaelli - Eng. Civil - CREA/RS 112377
Endereço: Rua João Clemente Schussler - Centro - Doutor Ricardo/RS	
FRANCHA Nº:	ÁREA:
01	235.95 m²
ESCALA: 1:50	BATA: Maio/2017
DES:	FOLHA: 01/03