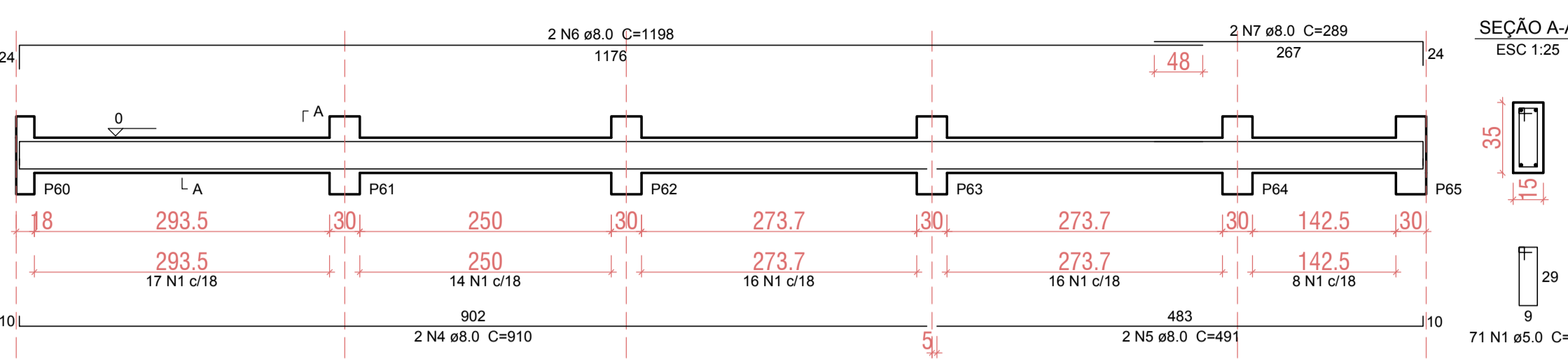
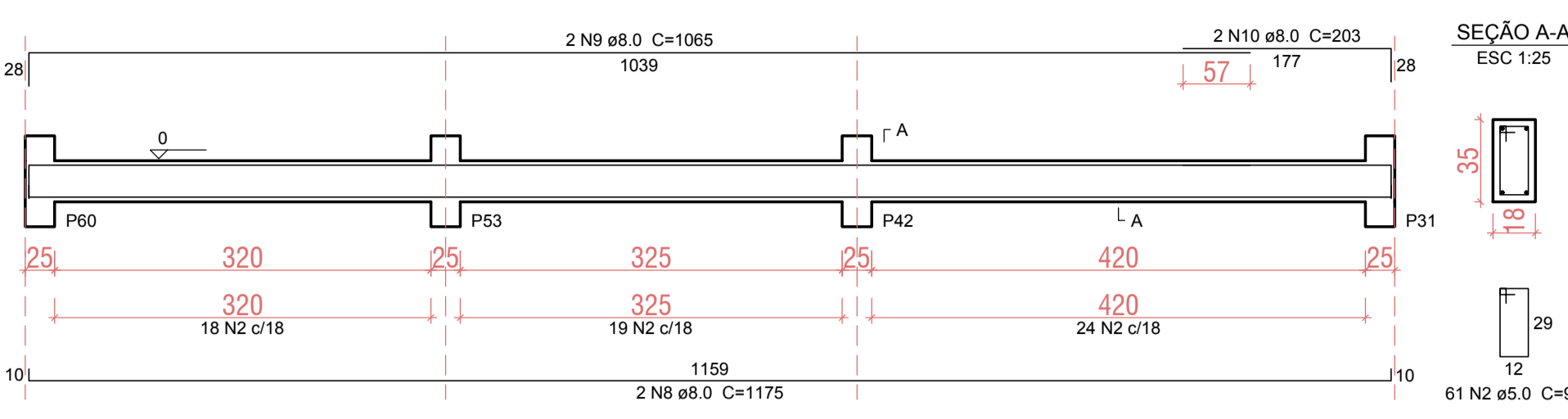


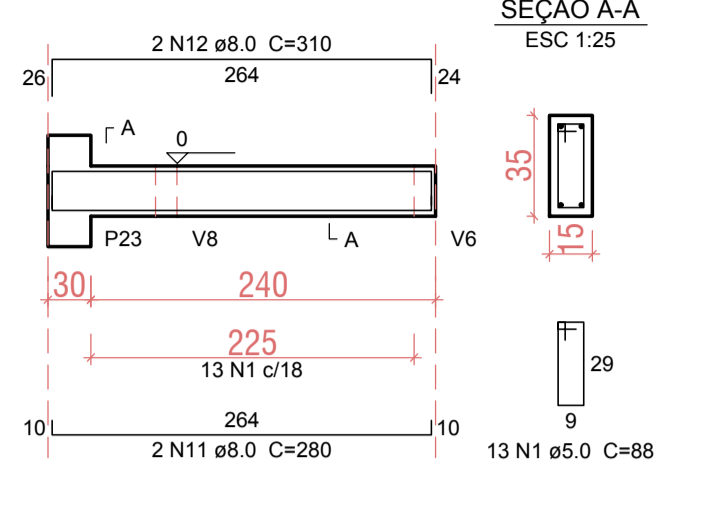
V26
ESC 1:50



V28
ESC 1:50



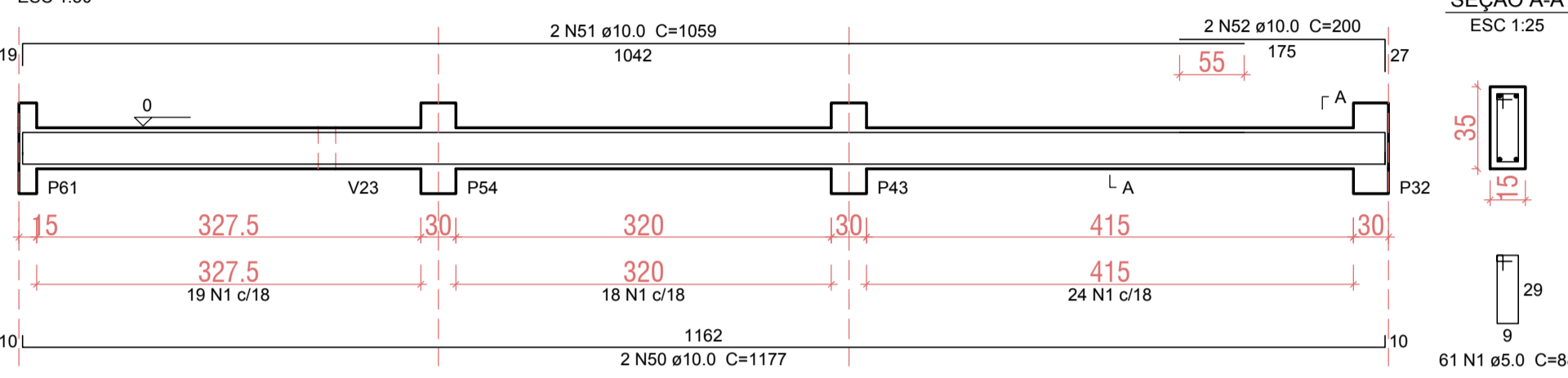
V40
ESC 1:50



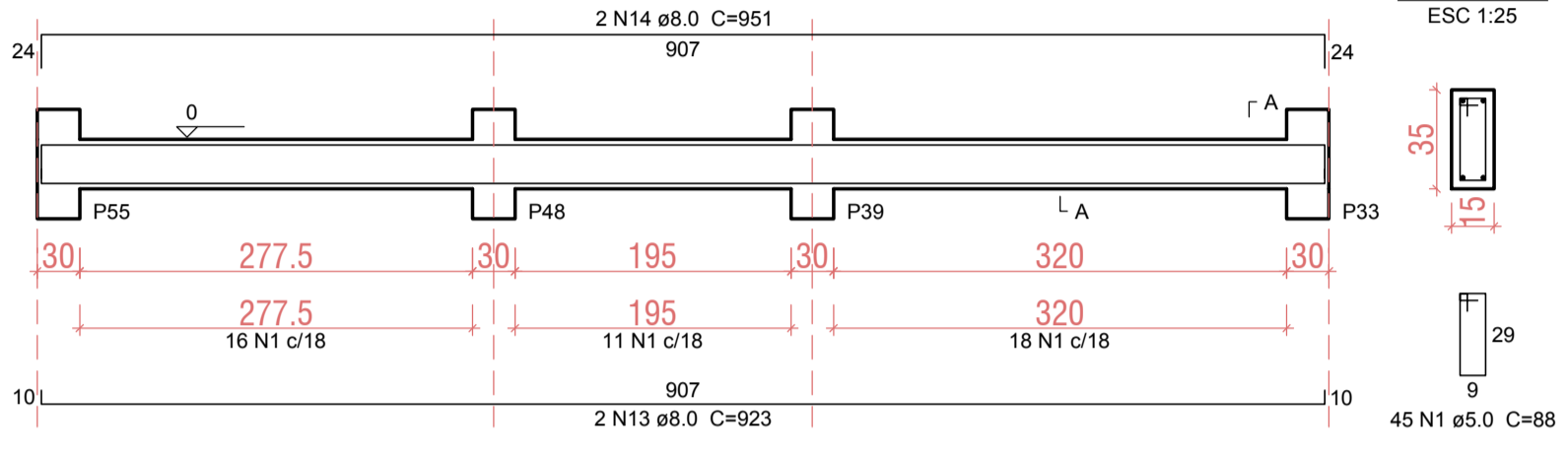
Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	764	88	68992
	2	5.0	61	94	5734
	3	6.3	2	76	152
	4	8.0	2	910	1820
	5	8.0	2	491	982
	6	8.0	2	1198	2396
	7	8.0	2	289	578
	8	8.0	2	1175	2350
	9	8.0	2	1065	2130
	10	8.0	2	203	406
	11	8.0	6	280	2240
	12	8.0	2	310	620
	13	8.0	2	923	1846
	14	8.0	2	951	1902
	15	8.0	2	888	1776
	16	8.0	2	916	1832
	17	8.0	2	379	758
	18	8.0	2	403	806
	19	8.0	2	774	1548
	20	8.0	2	793	1586
	21	8.0	2	620	1240
	22	8.0	2	448	896
	23	8.0	2	440	880
	24	8.0	2	474	948
	25	8.0	2	205	410
	26	8.0	2	238	476
	27	8.0	2	370	740
	28	8.0	2	401	802
	29	8.0	2	365	730
	30	8.0	2	393	786
	31	8.0	6	308	1848
	32	8.0	2	429	858
	33	8.0	2	448	896
	34	8.0	2	485	970
	35	8.0	2	518	1036
	36	8.0	2	384	768
	37	8.0	2	448	896
	38	8.0	2	230	460
	39	8.0	2	258	516
	40	8.0	2	160	320
	41	8.0	2	188	376
	42	8.0	2	209	418
	43	8.0	2	209	418
	44	8.0	2	490	980
	45	8.0	2	518	1036
	46	8.0	2	830	1660
	47	8.0	2	858	1716
	48	8.0	2	965	1930
	49	8.0	2	998	1996
	50	10.0	2	1177	2354
	51	10.0	2	1059	2118
	52	10.0	2	200	400
	53	10.0	2	439	878
	54	10.0	2	476	952
	55	10.0	2	364	728
	56	10.0	2	390	780
	57	10.0	2	423	846
	58	10.0	3	442	1326
	59	10.0	4	489	1956
	60	10.0	4	522	2088
	61	10.0	2	628	1256
	62	10.0	2	655	1310

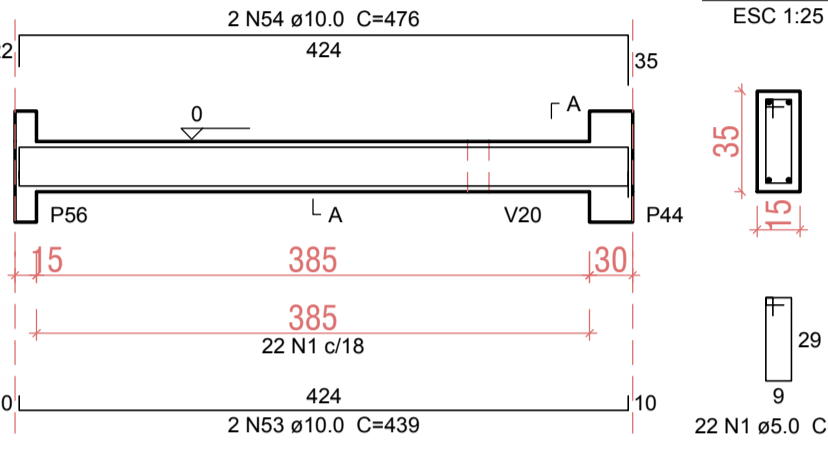
V31
ESC 1:50



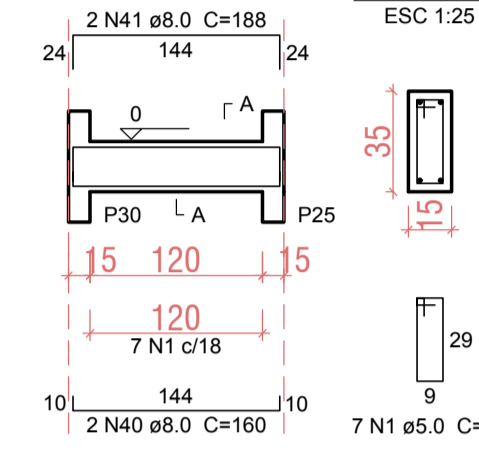
V33
ESC 1:50



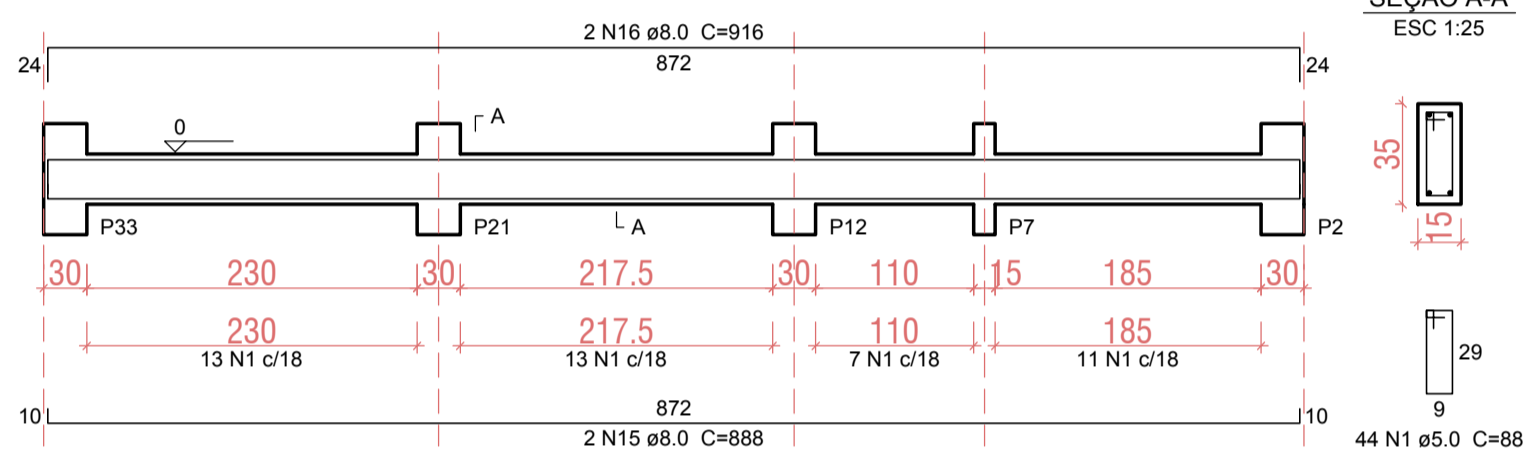
V36
ESC 1:50



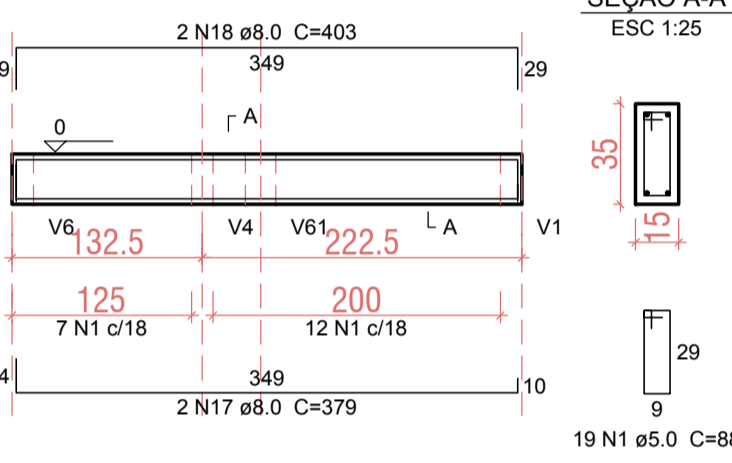
V52
ESC 1:50



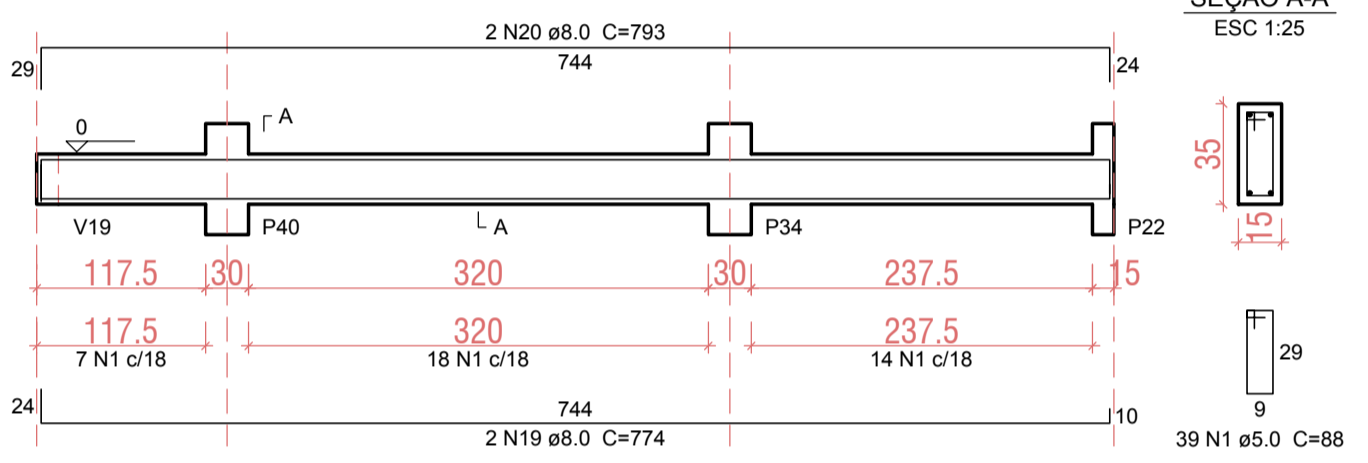
V34
ESC 1:50



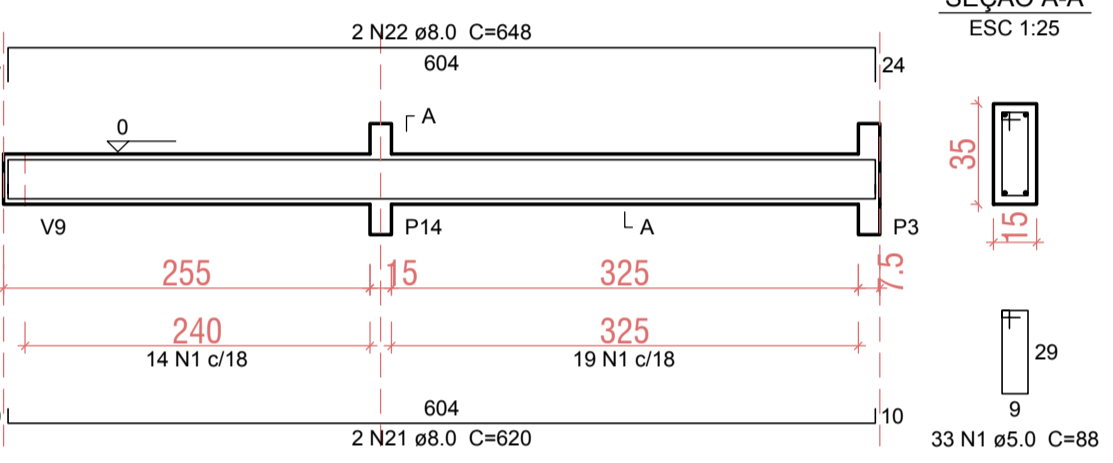
V37
ESC 1:50



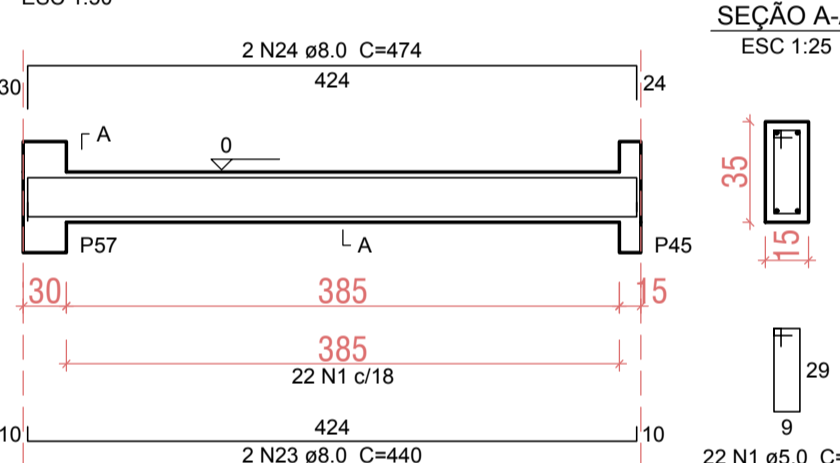
V38
ESC 1:50



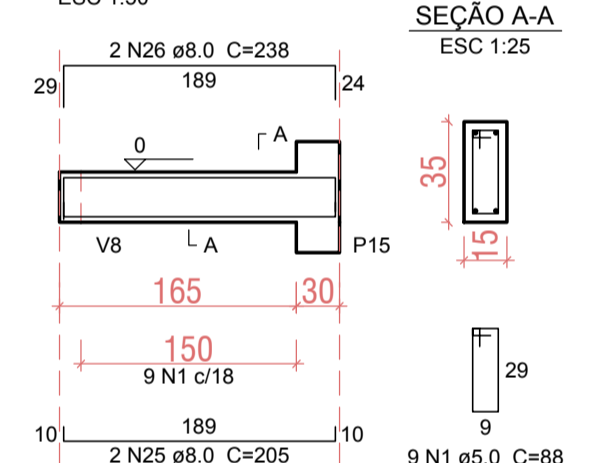
V39
ESC 1:50



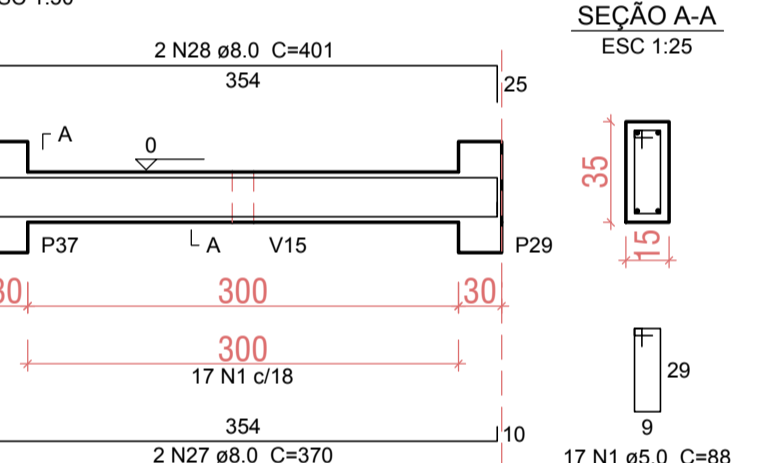
V41
ESC 1:50



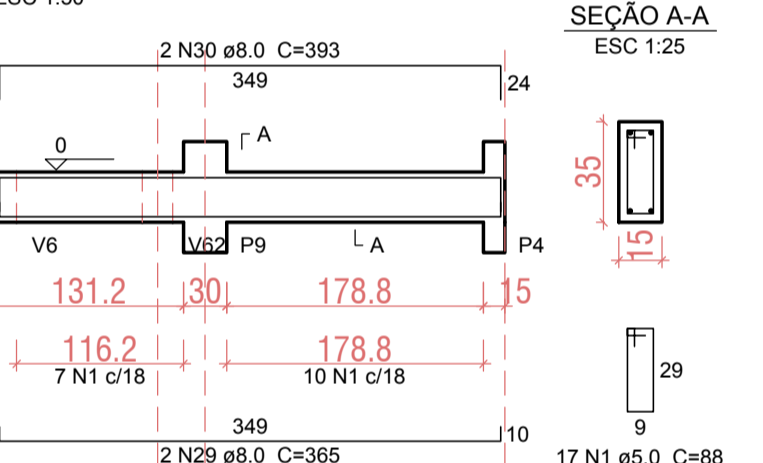
V42
ESC 1:50



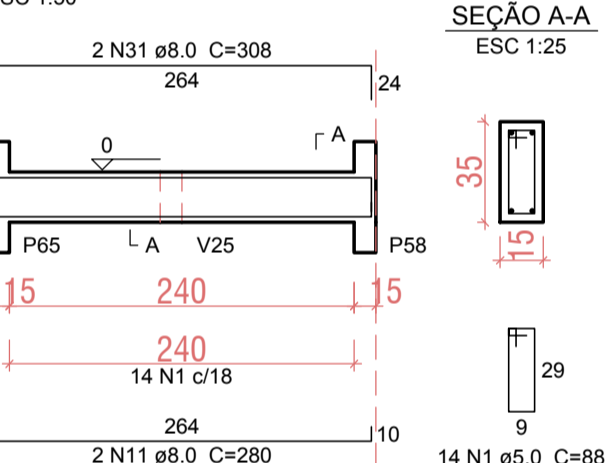
V43
ESC 1:50



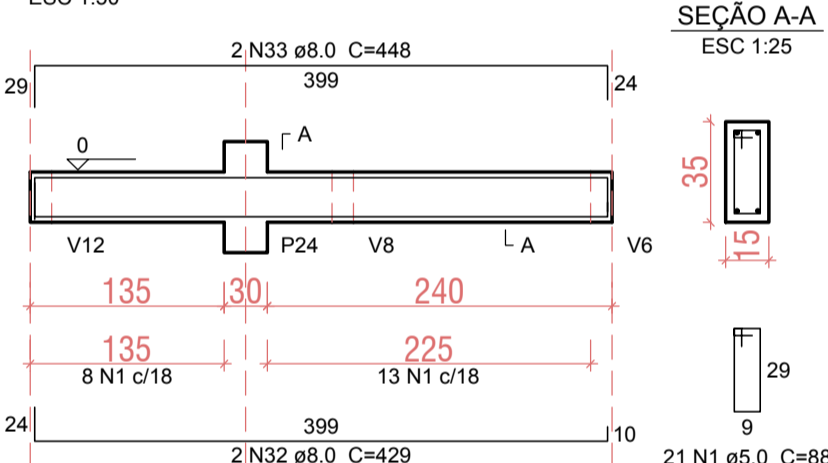
V44
ESC 1:50



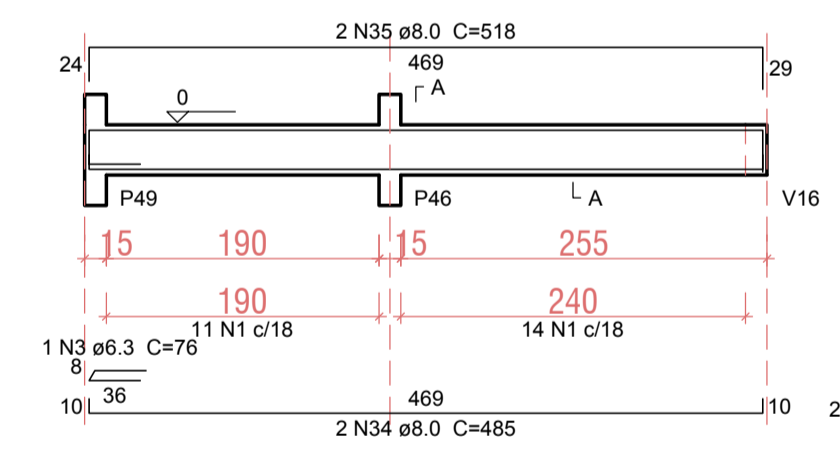
V45
ESC 1:50



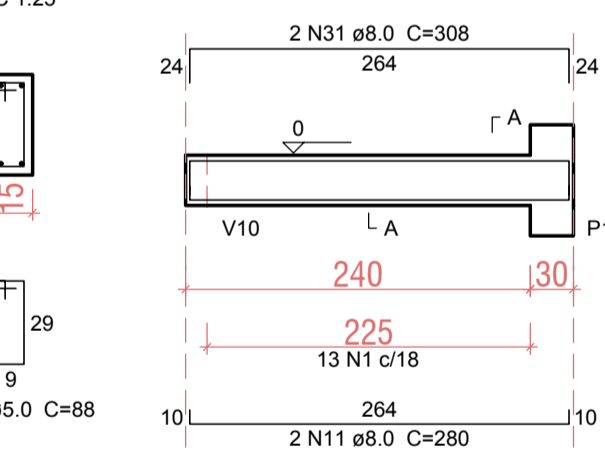
V46
ESC 1:50



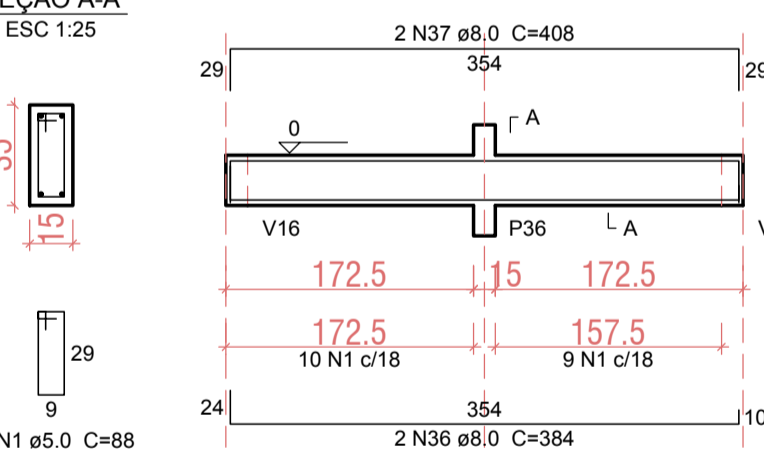
V47
ESC 1:50



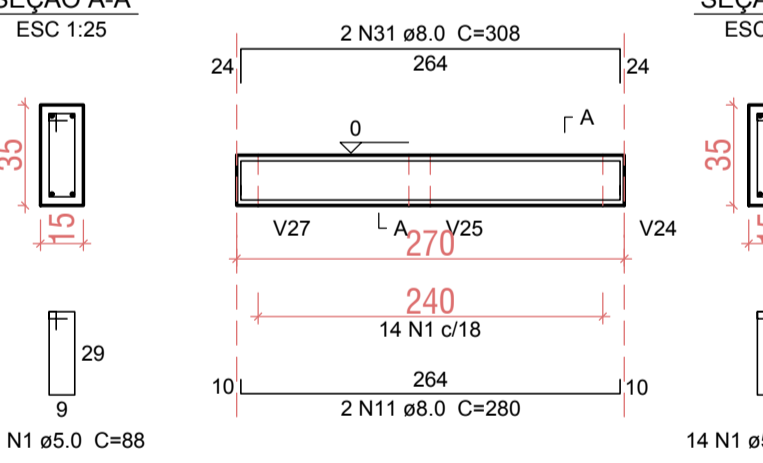
V48
ESC 1:50



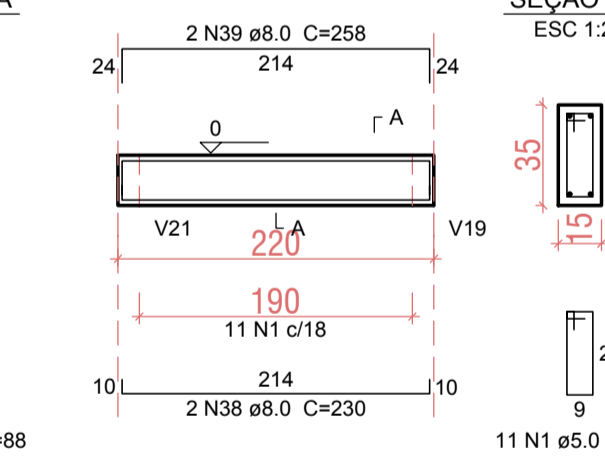
V49
ESC 1:50



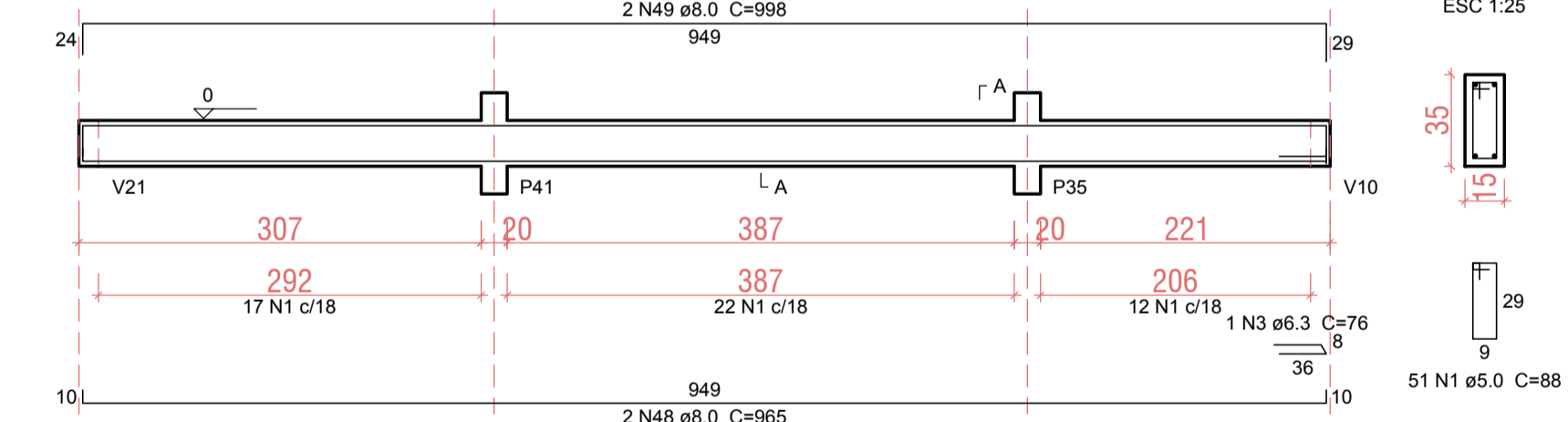
V50
ESC 1:50



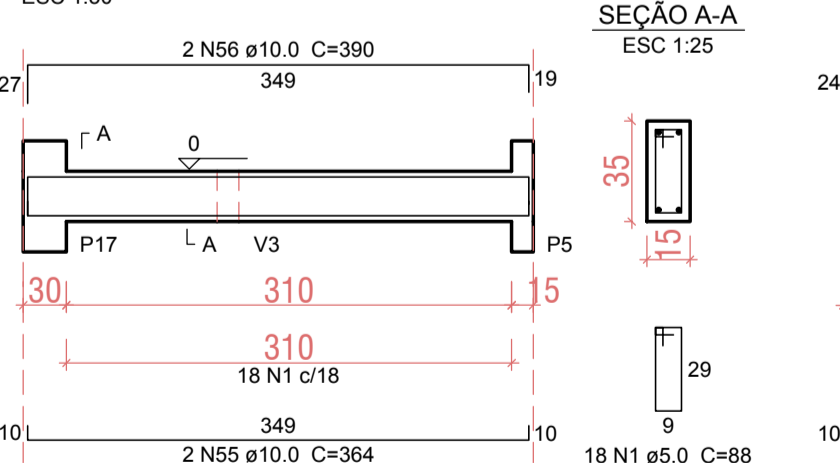
V51
ESC 1:50



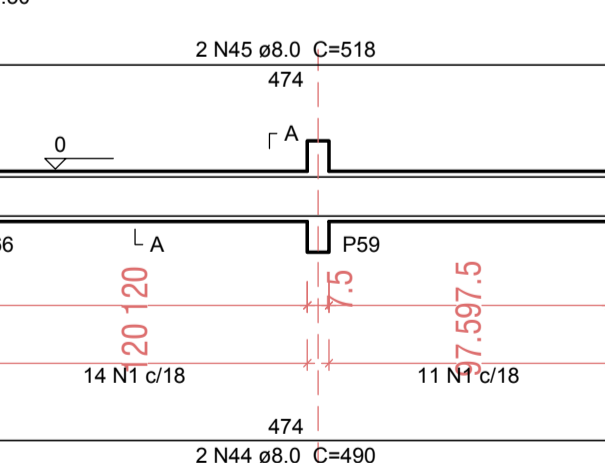
V58
ESC 1:50



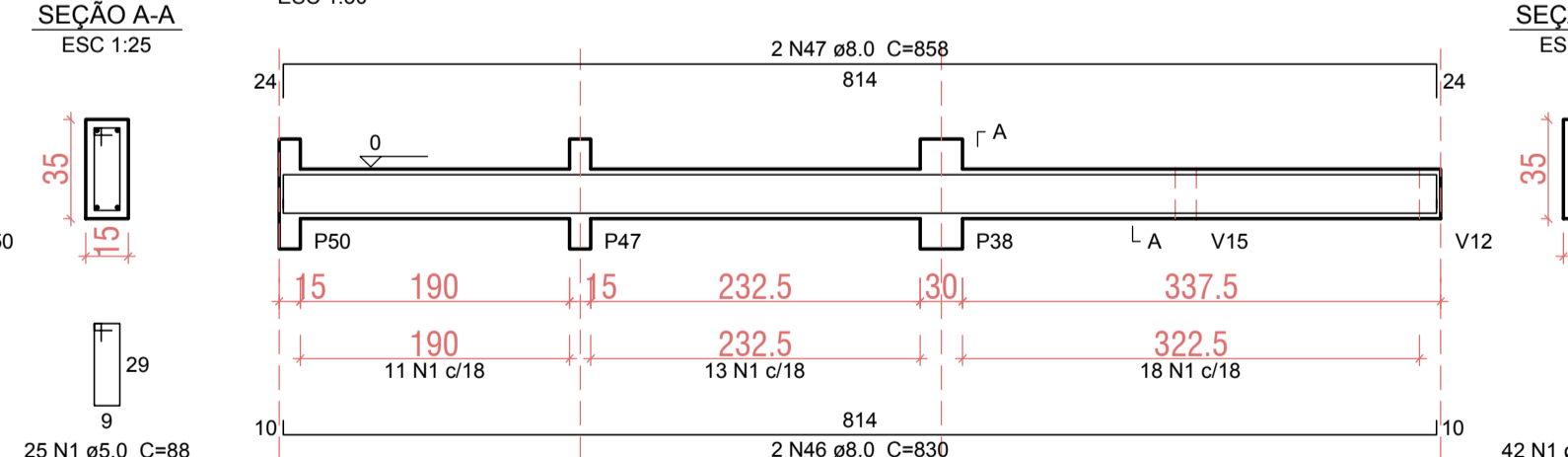
V53
ESC 1:50



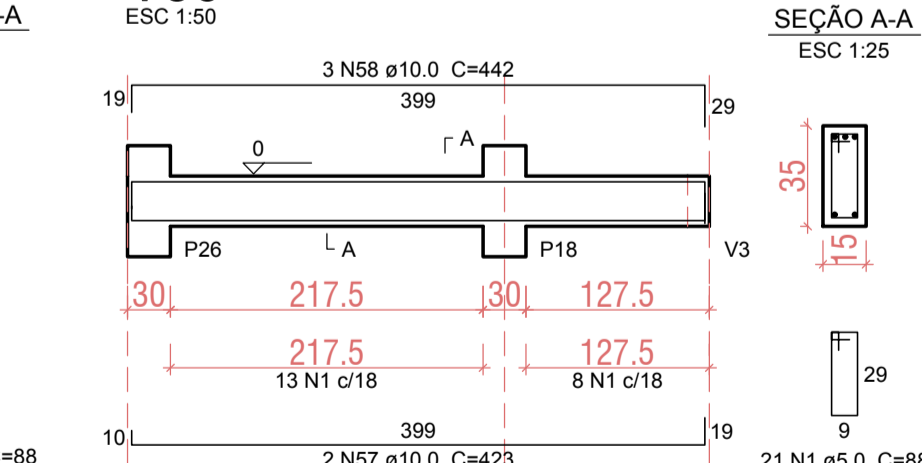
V54
ESC 1:50



V55
ESC 1:50



V56
ESC 1:50

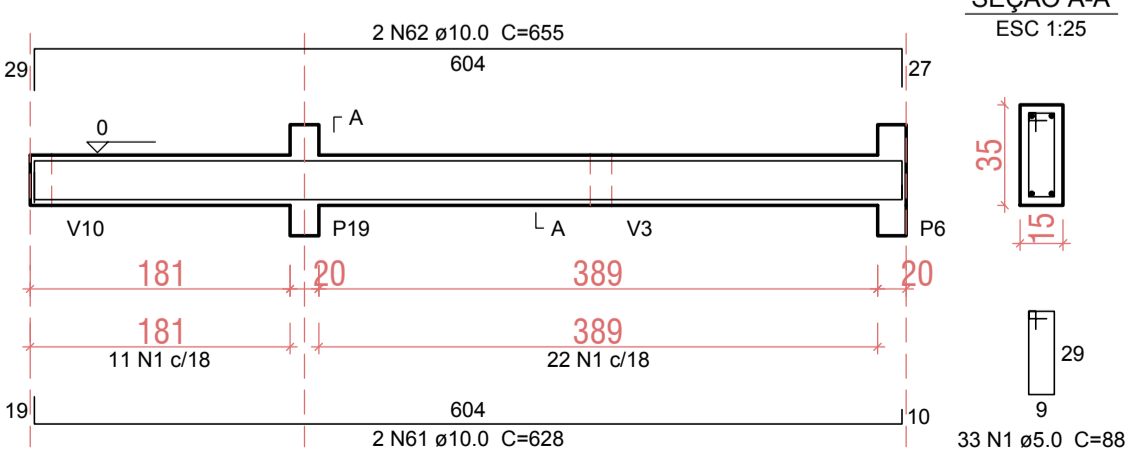


Resumo do aço

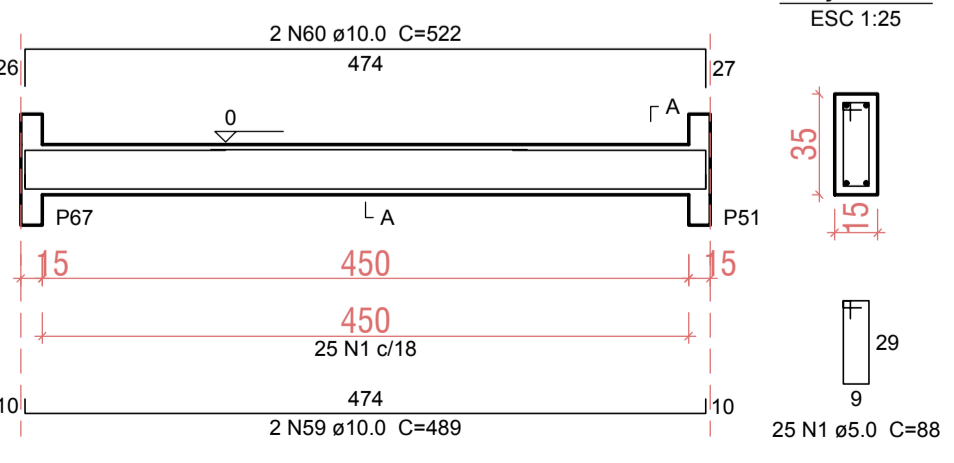
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	1.6	0.4
	8.0	528.5	229.4
	10.0	170	115.2
CA60	5.0	747.3	126.7
PESO TOTAL (kg)			
CA50		345	
CA60		126.7	

Volume de concreto (C-25) = 8.76 m³
Área de forma = 140.21 m²

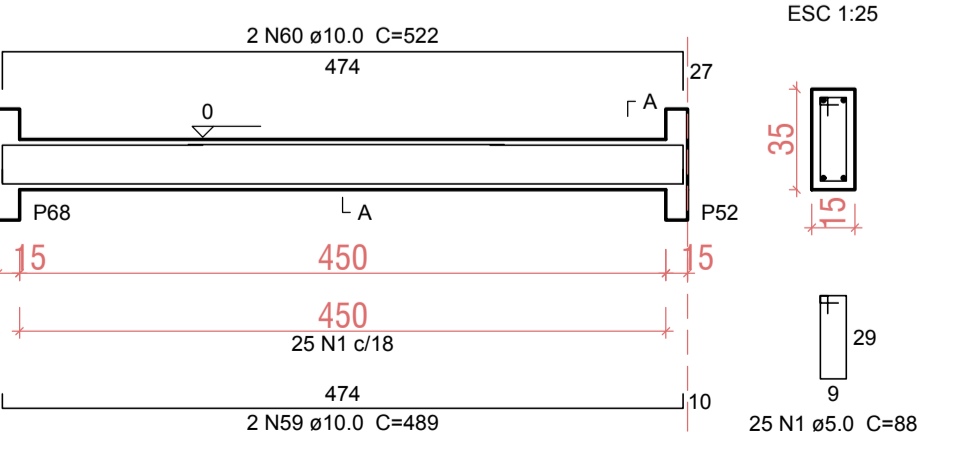
V59
ESC 1:50



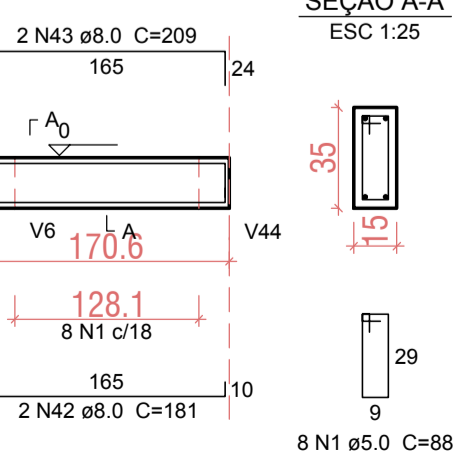
V57
ESC 1:50



V60
ESC 1:50



V62
ESC 1:50



PREFEITURA MUNICIPAL DE PARANAGUÁ

TÍTULO	PROJETO ESTRUTURAL				
OBJETO	U.B.S. PRAIA DE ENCANTADAS - ILHA DO MEL				
CONTÉUDO	BALDRAME 2				
RESP. TÉCNICO/PROJETO	ROY JOSÉ RIBEIRO	PROPRIETÁRIO	MUNICÍPIO DE PARANAGUÁ		
DATA: REVISÃO	JULHO/2017	ESCALA	INDICADA	REVISÃO	R/R
ÁREA COBERTA	405,95 m²		PROJETO	05/11	