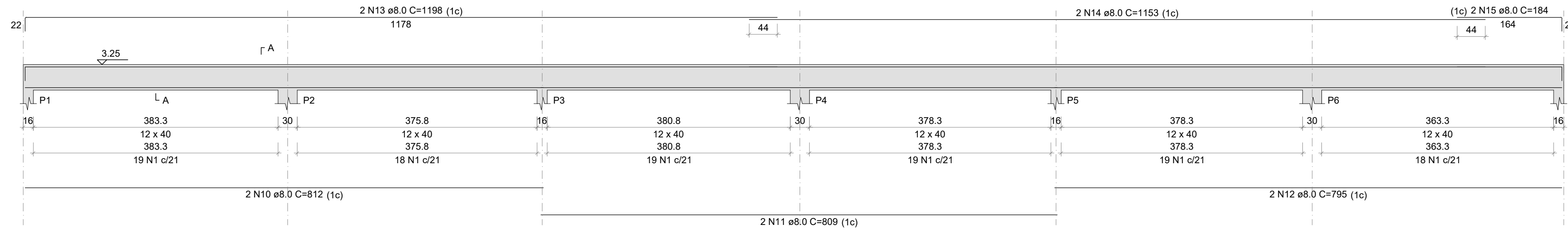
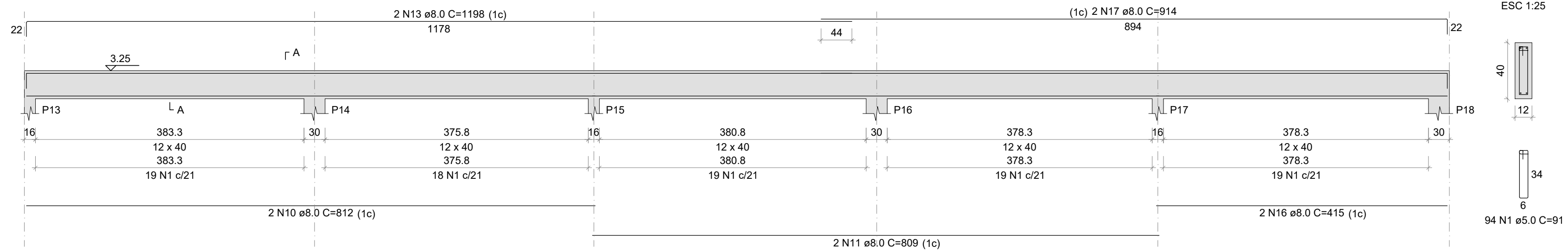


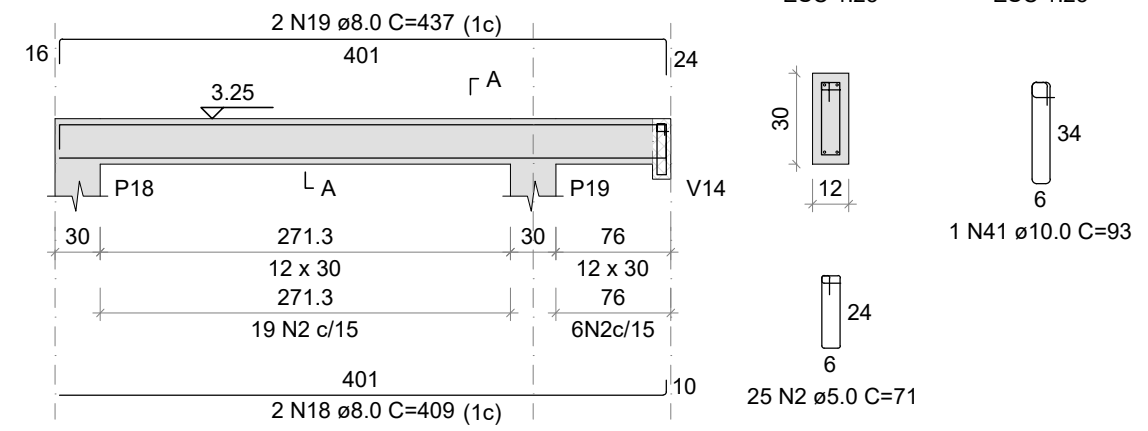
V1
ESC 1:50



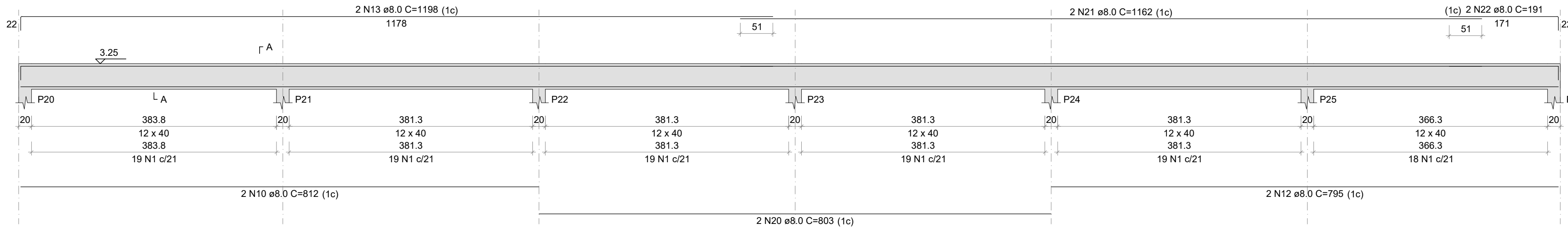
V2
ESC 1:50



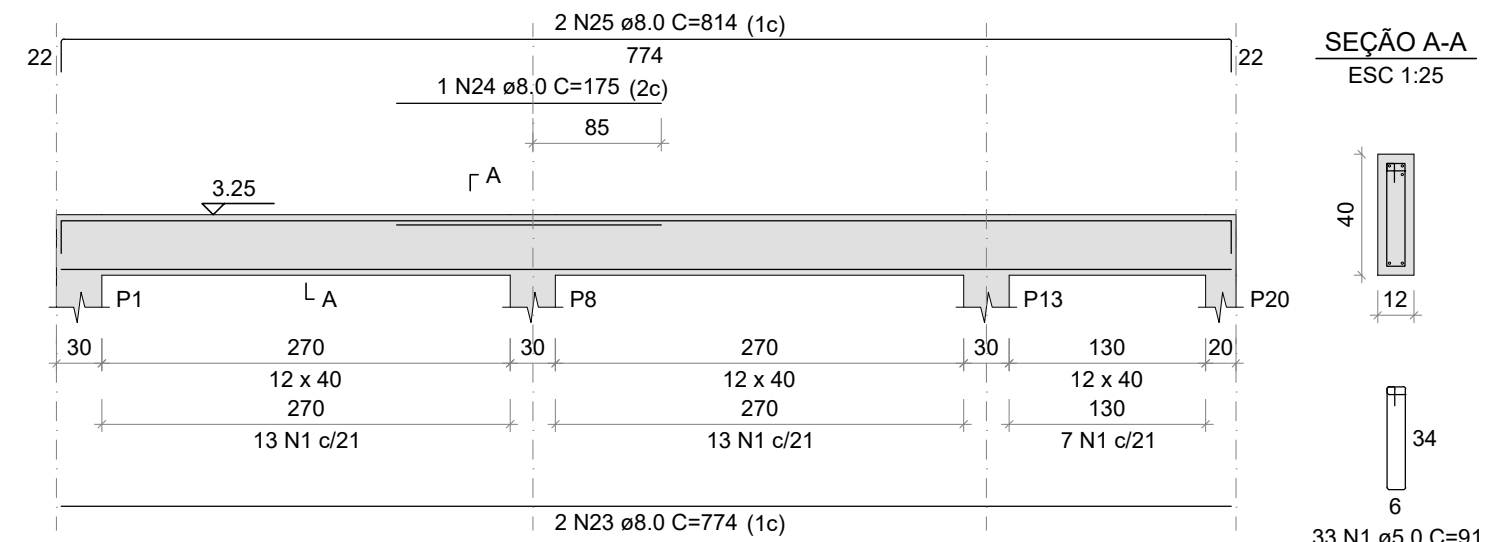
V3
ESC 1:50



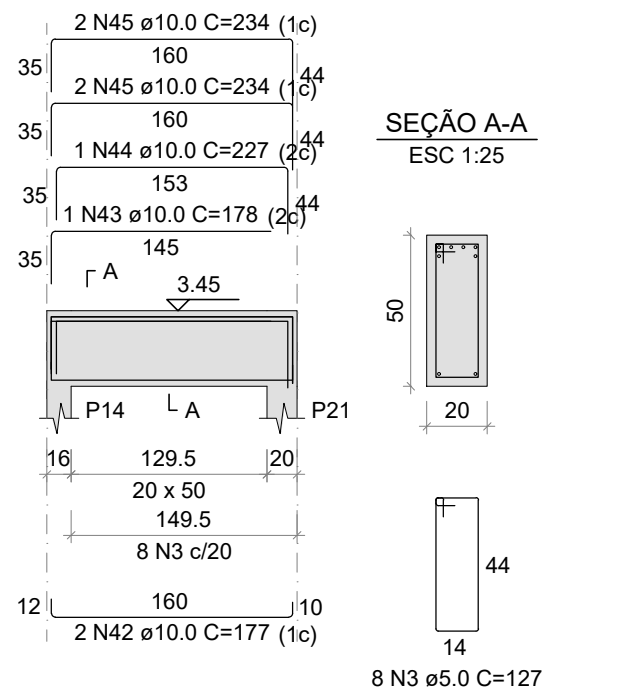
V4
ESC 1:50



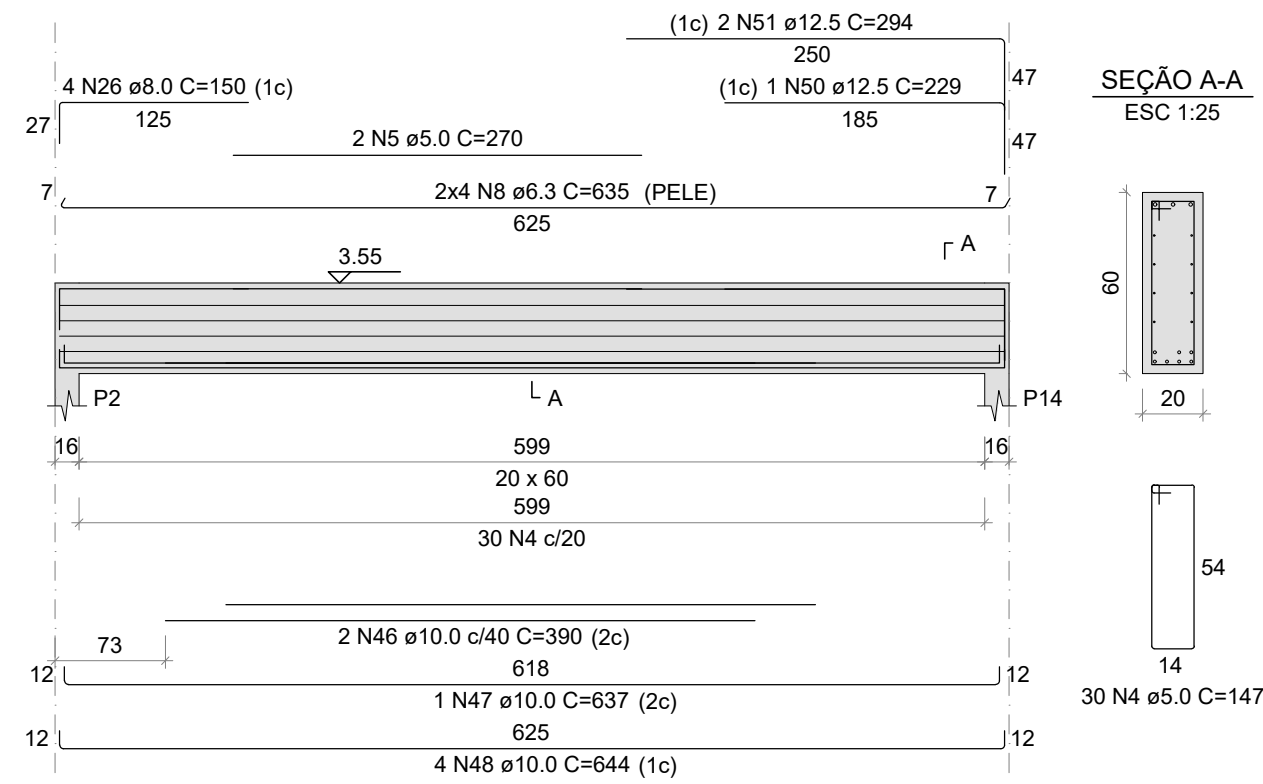
V5
ESC 1:50



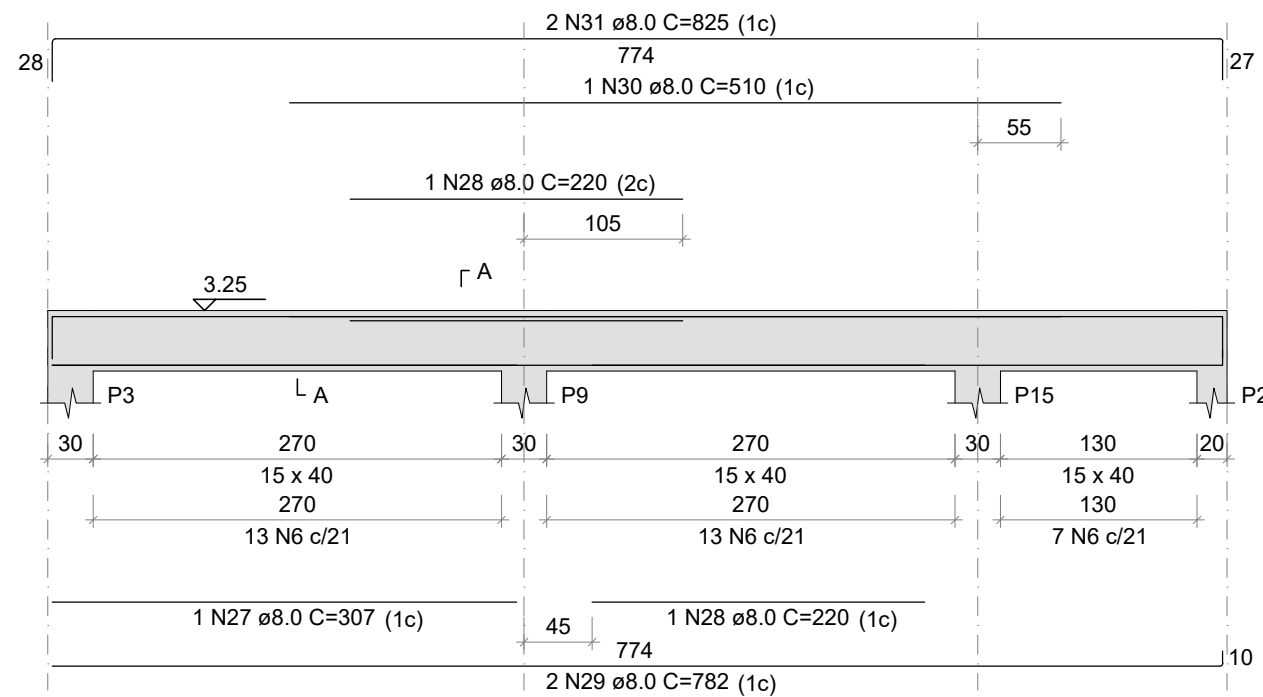
V6
ESC 1:50



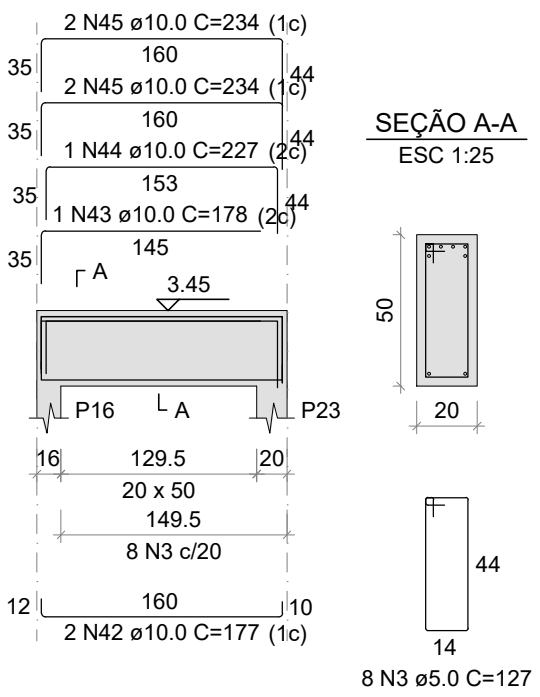
V7
ESC 1:50



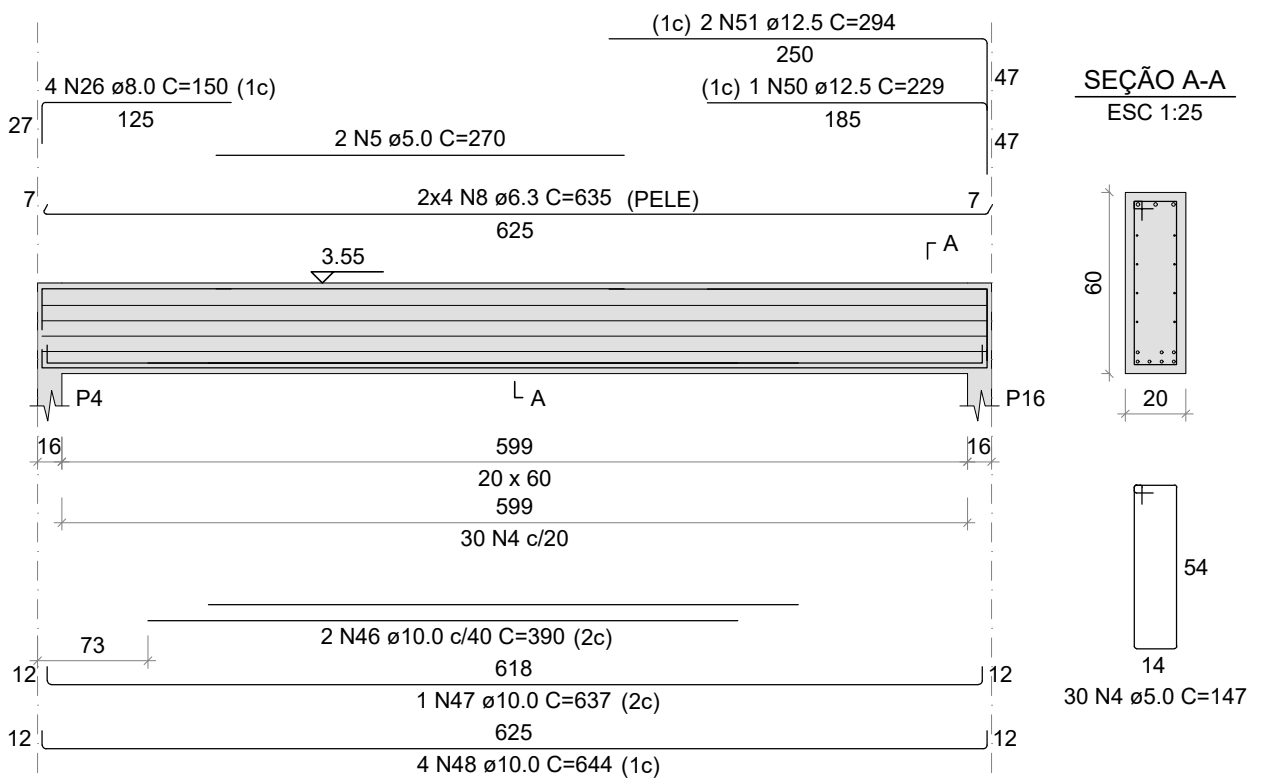
V8
ESC 1:50



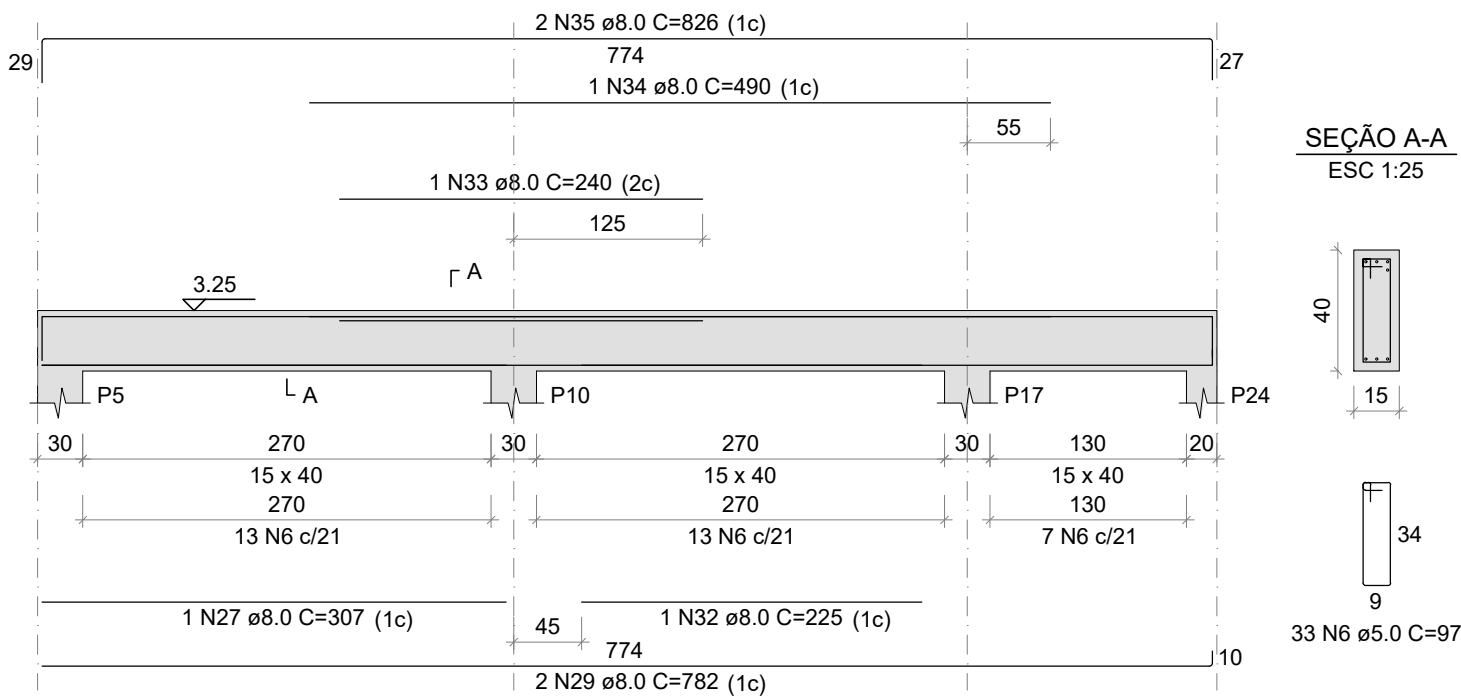
V9
ESC 1:50



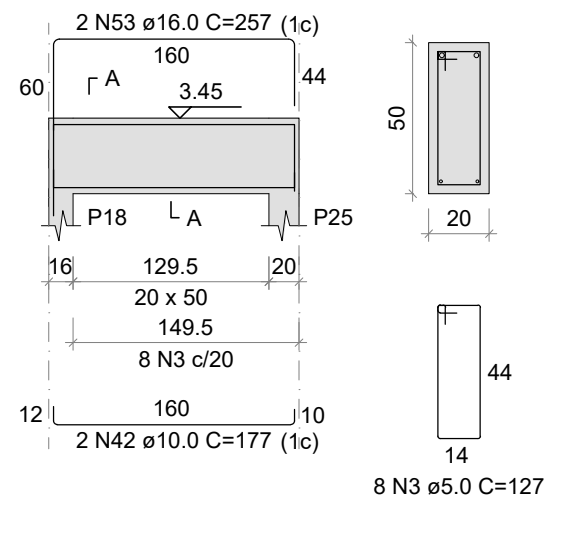
V10
ESC 1:50



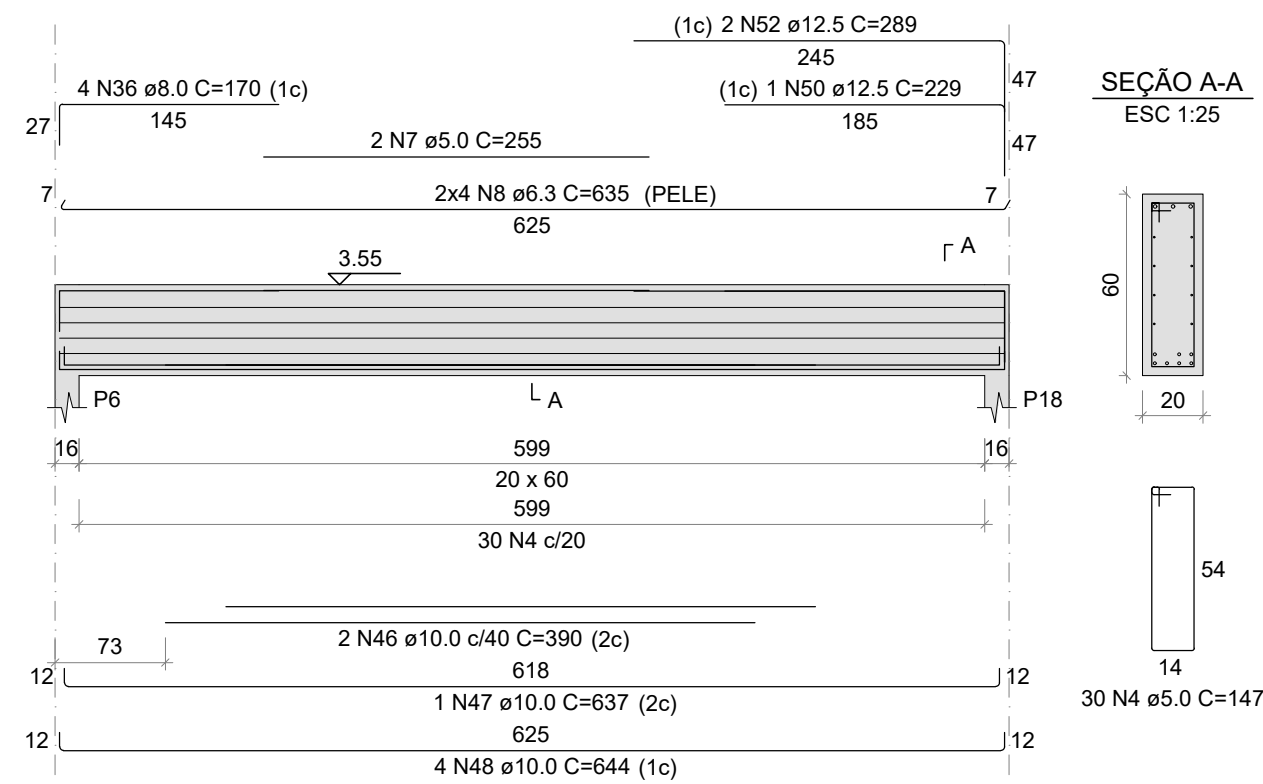
V11
ESC 1:50



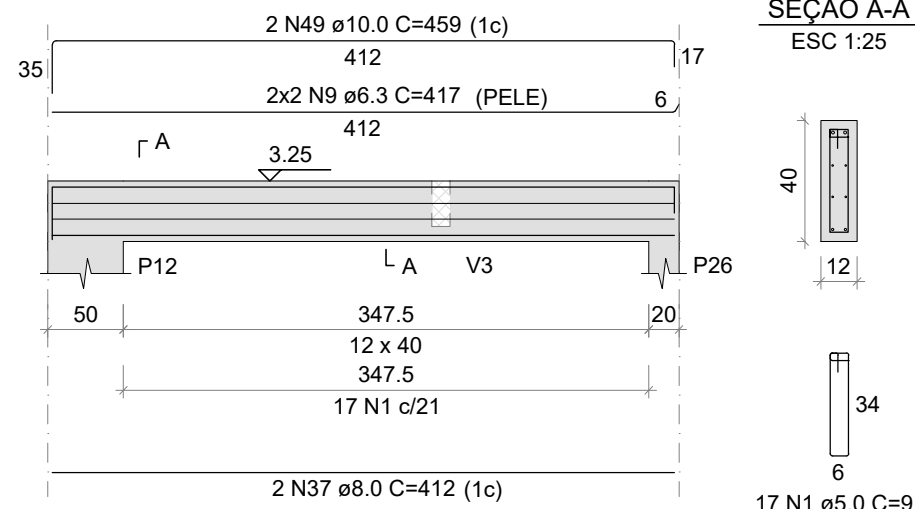
V12
ESC 1:50



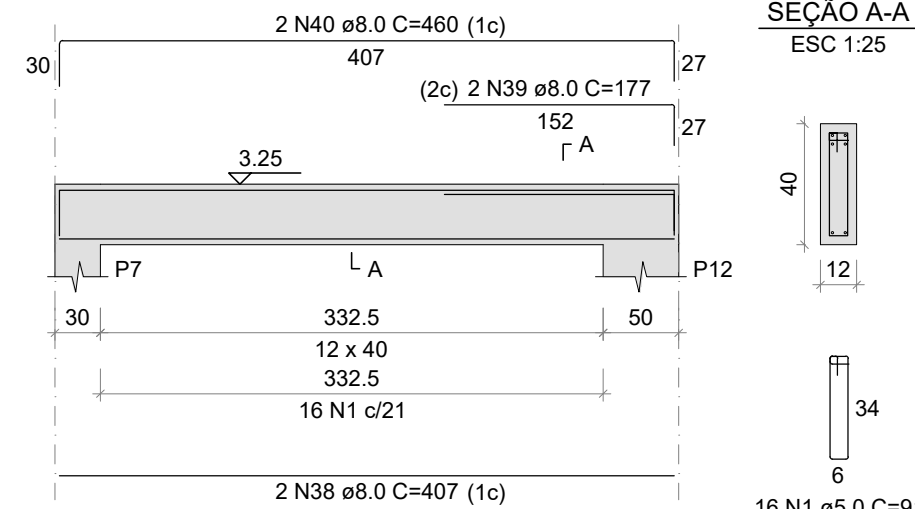
V13
ESC 1:50



V14
ESC 1:50



V15
ESC 1:50



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	385	91	35035
	2	5.0	25	71	1775
	3	5.0	24	127	3048
	4	5.0	90	147	13230
	5	5.0	4	270	1080
	6	5.0	66	97	6402
	7	5.0	2	255	510
	8	6.3	24	635	15240
	9	6.3	4	417	1668
	10	6.3	6	812	4872
	11	8.0	4	809	3236
	12	8.0	4	795	3180
	13	8.0	6	1158	7168
	14	8.0	2	1153	2306
	15	8.0	2	184	368
	16	8.0	2	415	830
	17	8.0	2	914	1828
	18	8.0	2	409	818
	19	8.0	2	437	874
	20	8.0	2	803	1606
	21	8.0	2	1162	2324
	22	8.0	2	191	382
	23	8.0	2	774	1548
	24	8.0	1	175	175
	25	8.0	2	814	1628
	26	8.0	8	150	1200
	27	8.0	2	307	614
	28	8.0	2	220	440
	29	8.0	4	782	3128
	30	8.0	1	510	510
	31	8.0	2	825	1650
	32	8.0	1	225	225
	33	8.0	1	240	240
	34	8.0	1	490	490
	35	8.0	2	826	1652
	36	8.0	4	170	680
	37	8.0	2	412	824
	38	8.0	2	407	814
	39	8.0	2	177	354
	40	8.0	2	460	920
	41	10.0	1	93	93
	42	10.0	6	177	1062
	43	10.0	2	178	356
	44	10.0	2	227	454
	45	10.0	8	234	1872
	46	10.0	6	390	2340
	47	10.0	3	637	1911
	48	10.0	12	644	7728
	49	10.0	2	459	918
	50	12.5	3	229	687
	51	12.5	4	294	1176
	52	12.5	2	289	578
	53	16.0	2	257	514

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	169.1	45.5
	8.0	469	203.6
	10.0	167.3	113.5
	12.5	24.4	25.9
	16.0	5.1	8.9
CA60	5.0	610.8	103.6
PESO TOTAL (kg)			
CA50		397.4	
CA60		103.6	

Volume de concreto (C-25) = 7.92 m³
Área de forma = 128.16 m²



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PROJETO ESCOLA MUNICIPAL DE ENSINO FUNDAMENTAL ZAIDA ZANON
AMPLIAÇÃO BLOCO PEDAGÓGICO E ADMINISTRATIVO

LOCAL RUA IRMÃO EDUARDO, Nº 288, BAIRRO SÃO JOSÉ - GUAPORÉ/RS

PROPRIETÁRIO: **RESP. TÉCNICO:**
MUNICÍPIO DE GUAPORÉ - RS Engº Civil: GABRIEL FRANCISCO VIAN - Crea/RS 242589

ASSUNTO ARMADURAS DE VIGAS COBERTURA - BLOCO PEDAGÓGICO

DATA: JUNHO 2021 **ESCALA:** INDICADA **ÁREA TOTAL:** 189,17 m²

PRANCHA:
Est-10