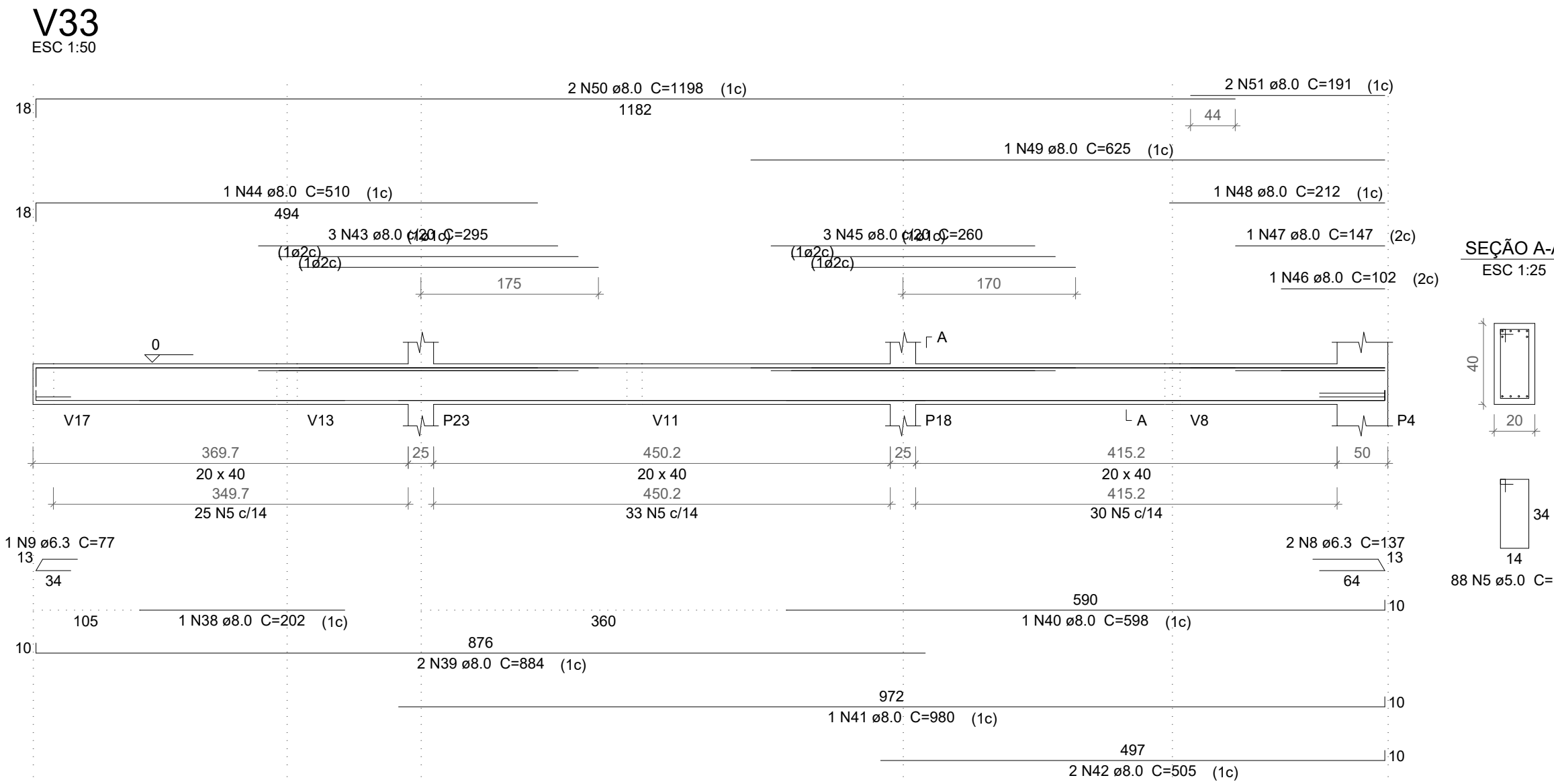
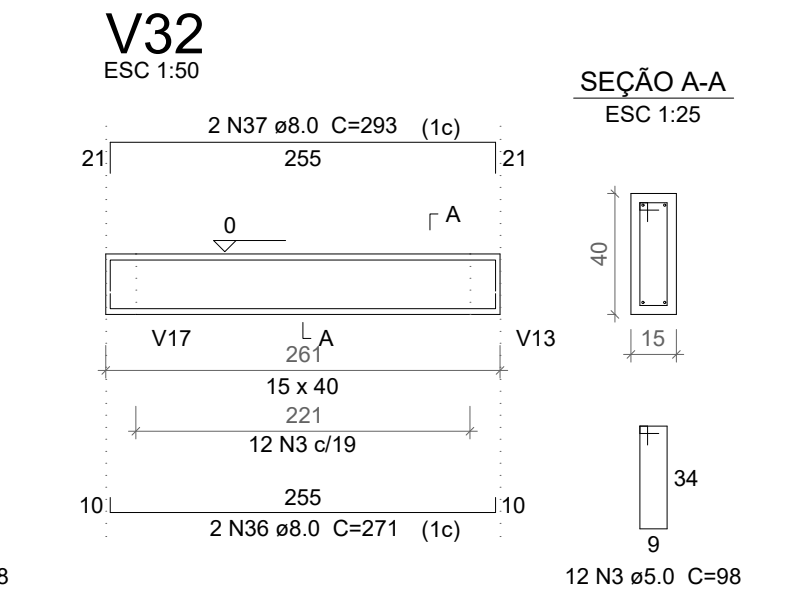
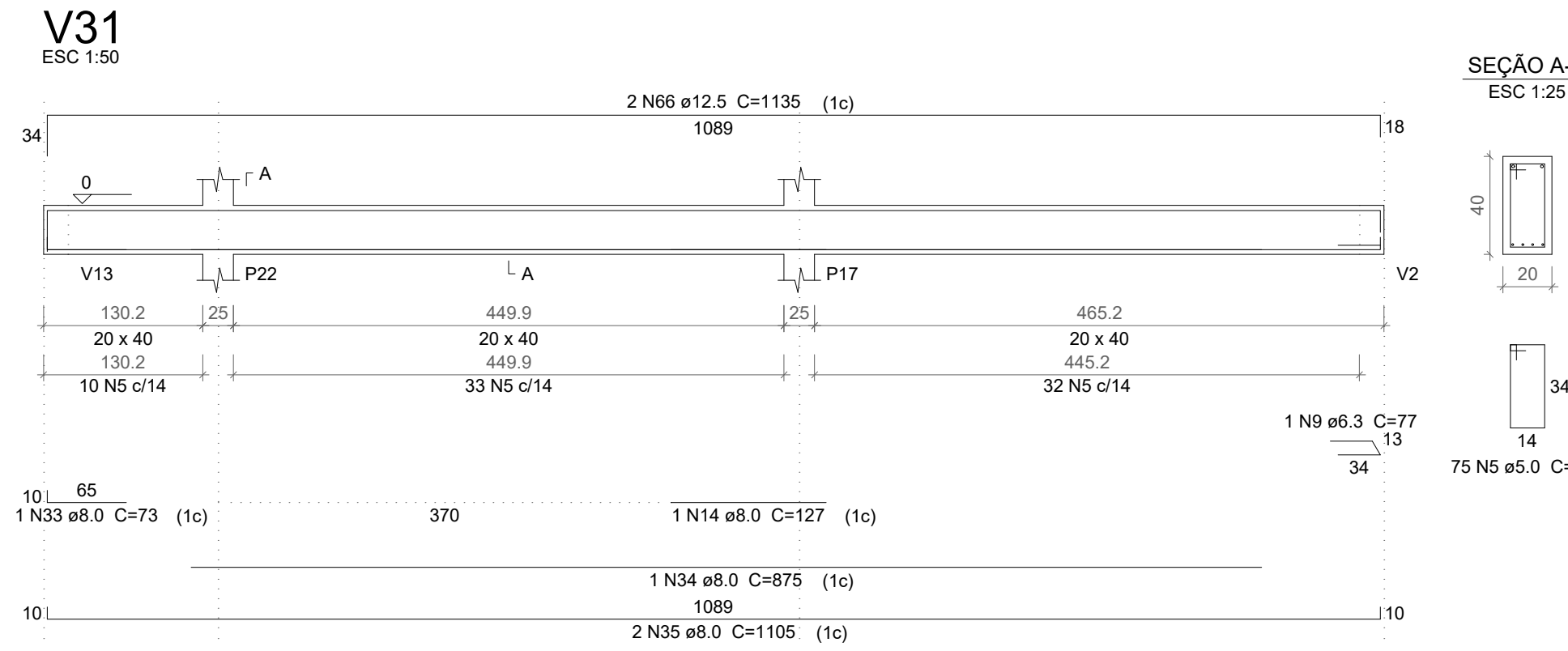
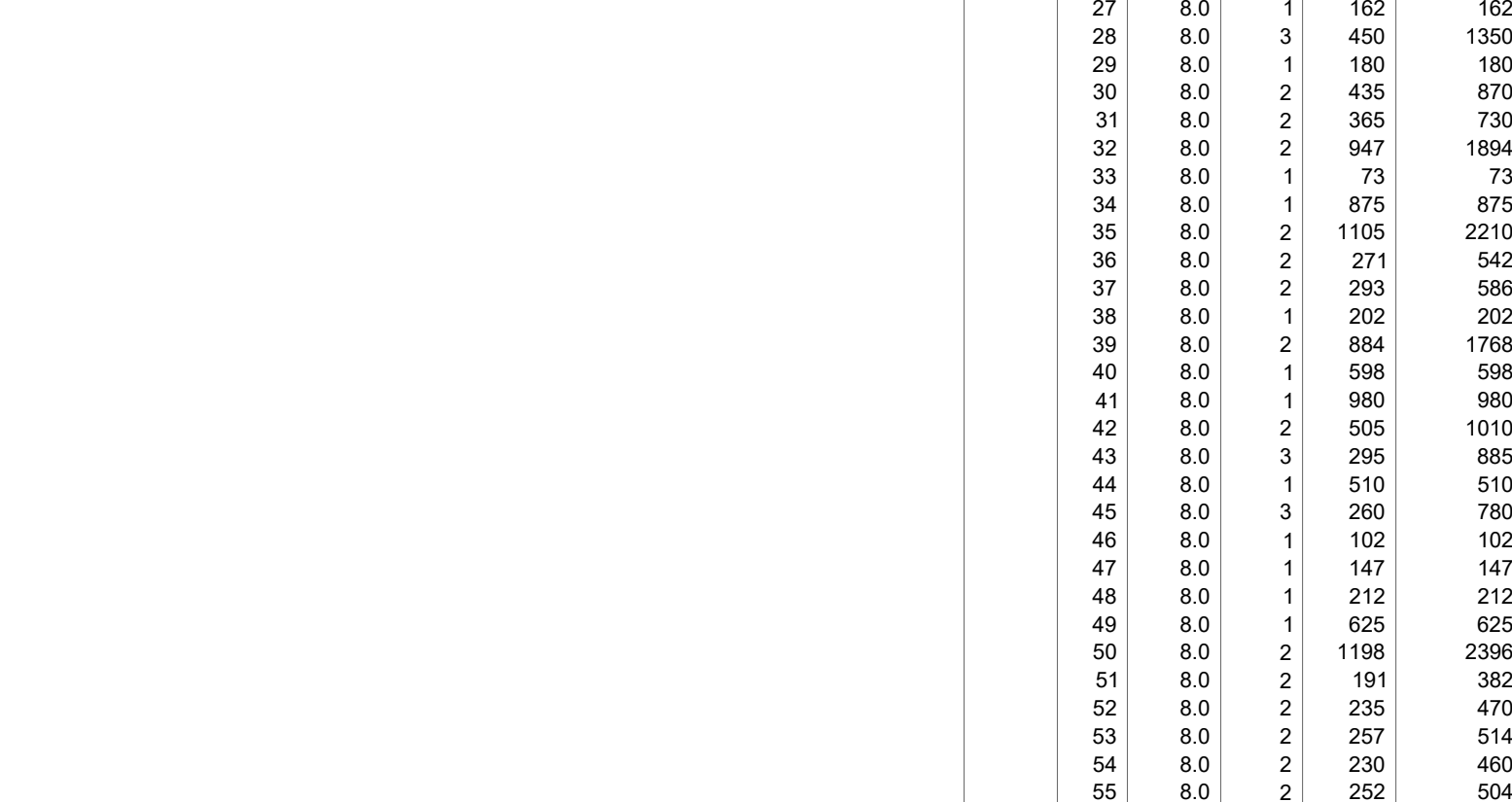
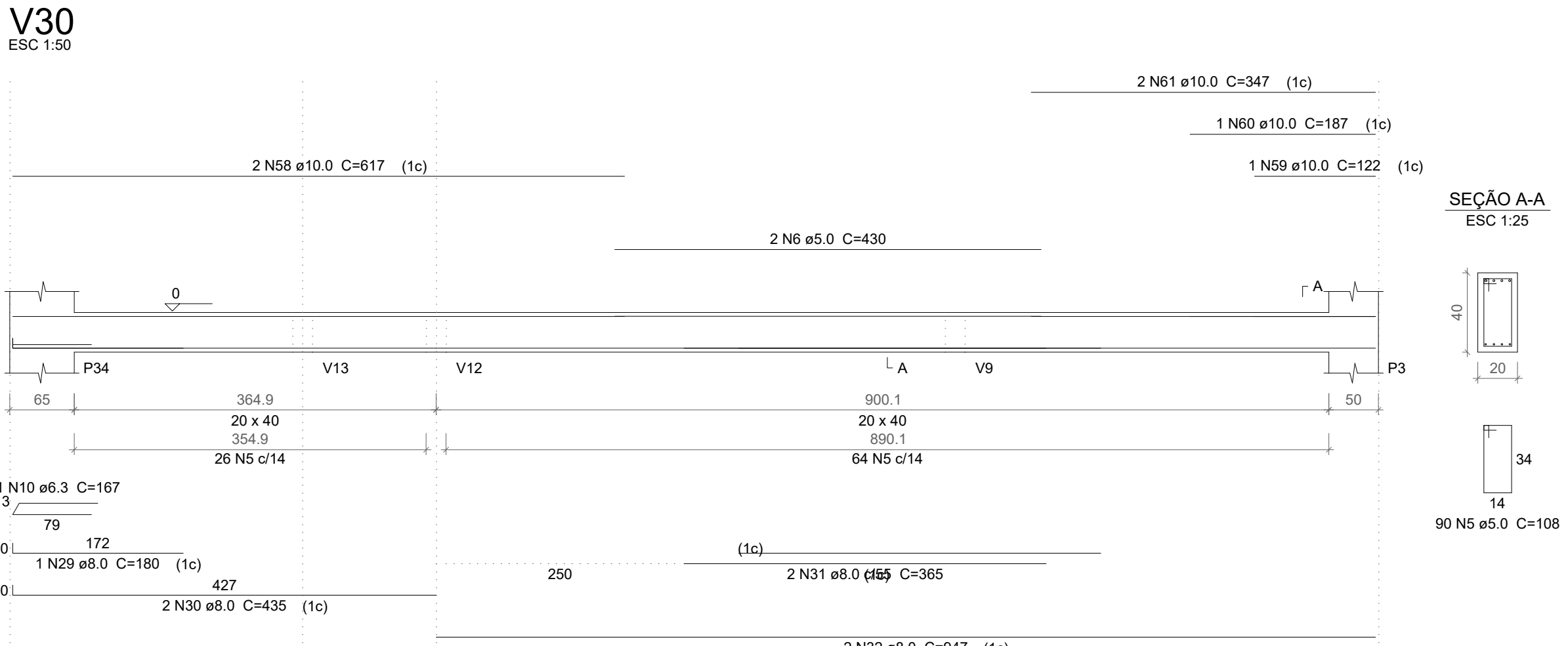
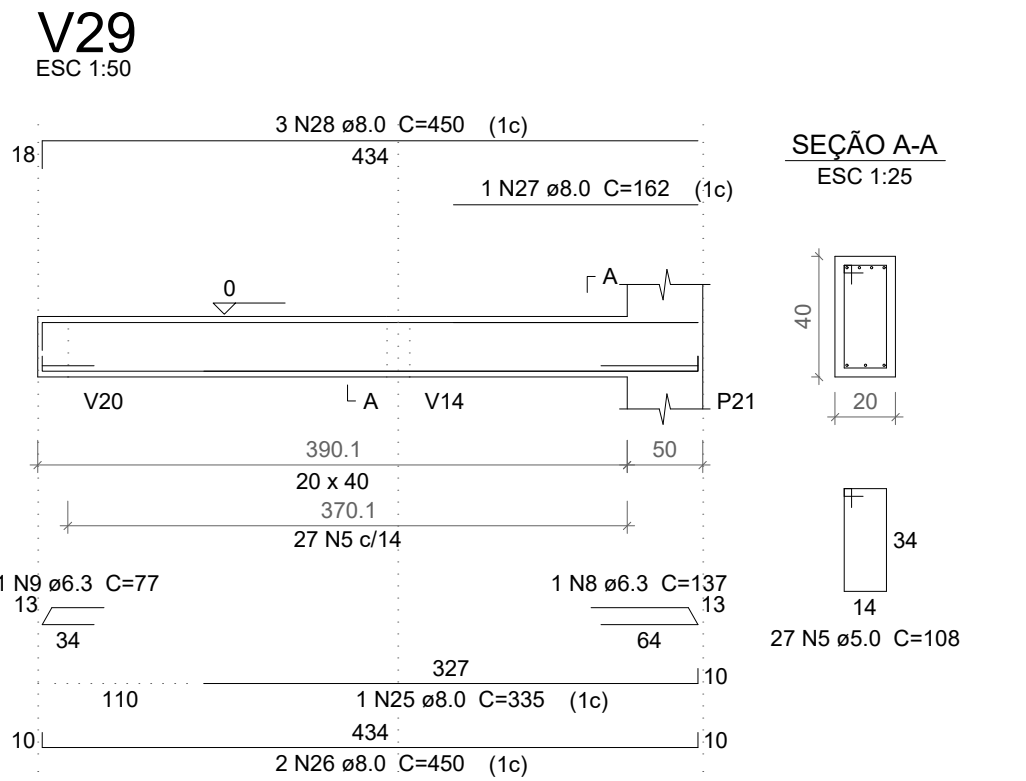
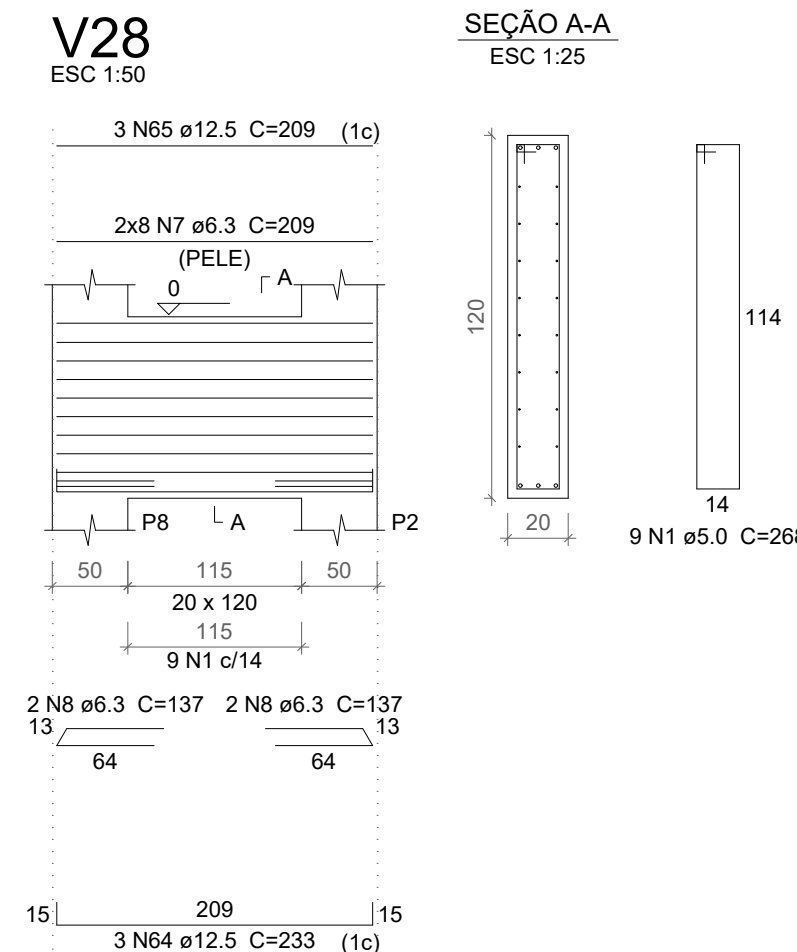
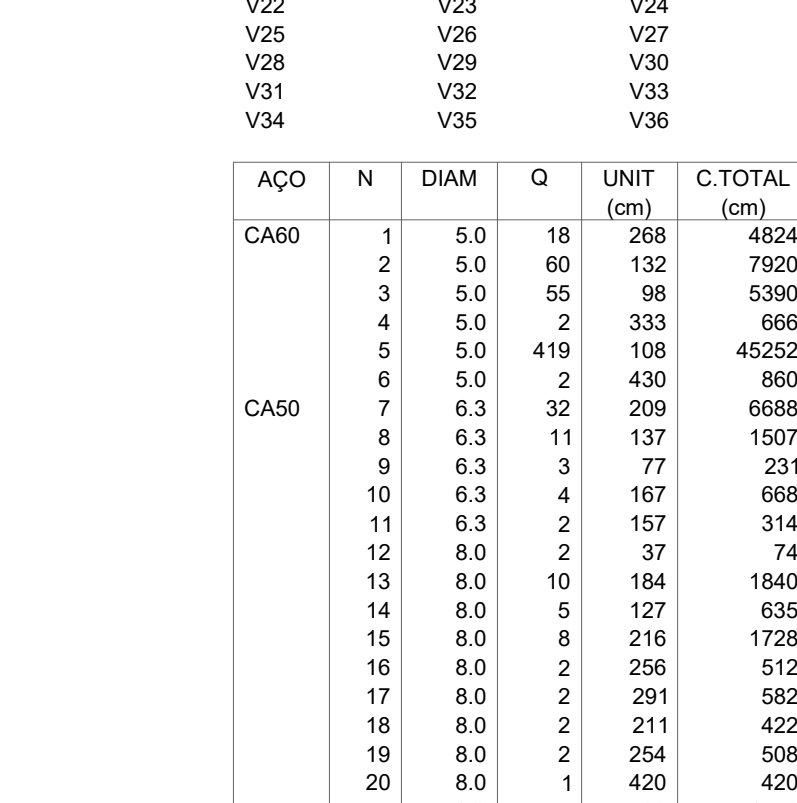
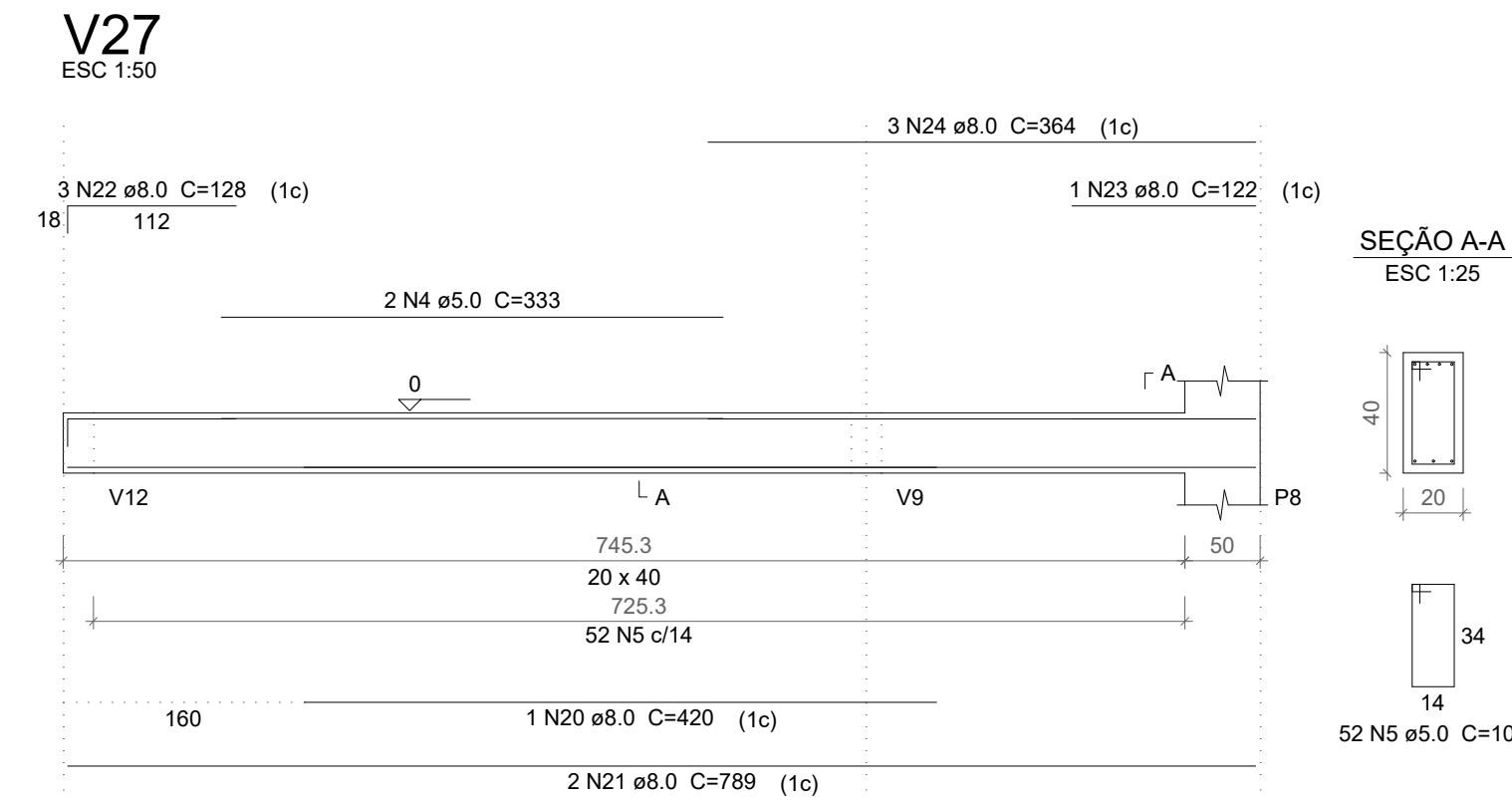
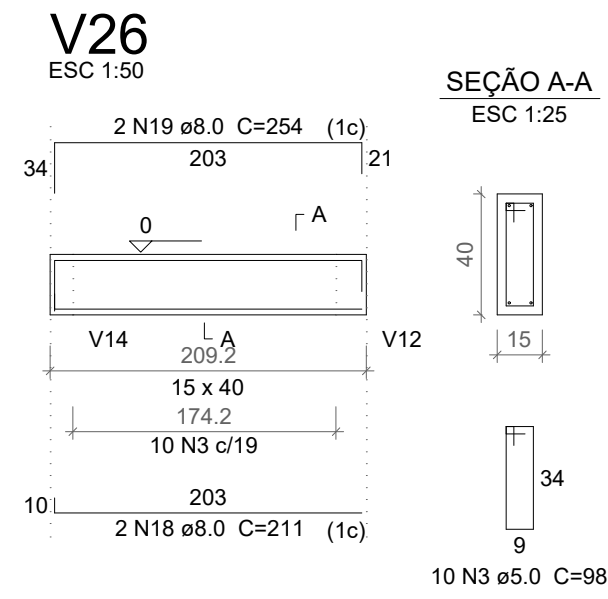
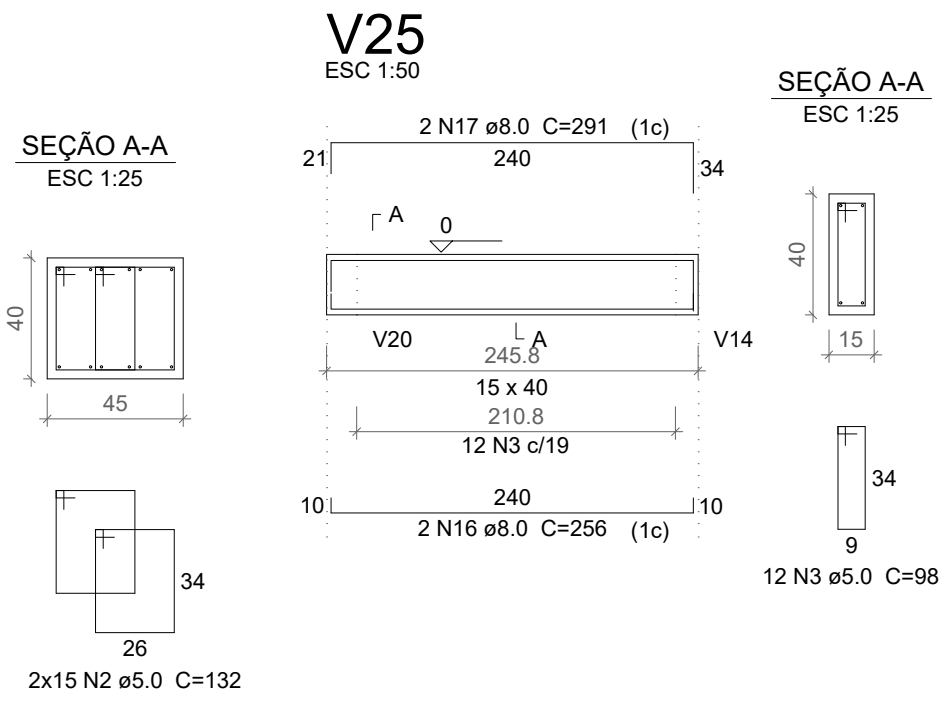
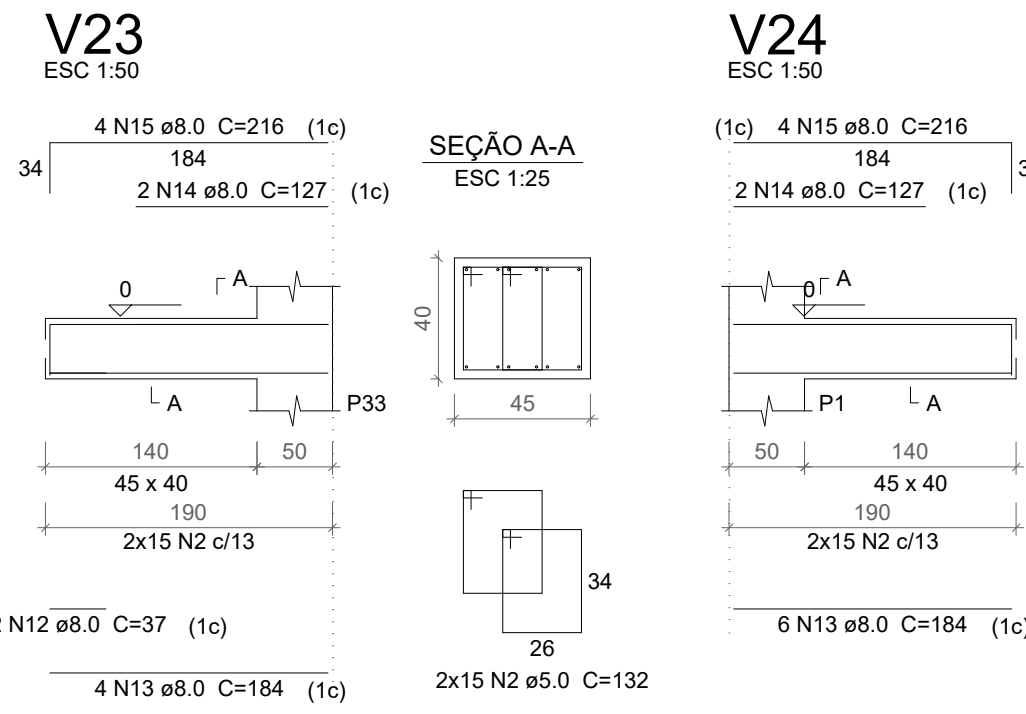
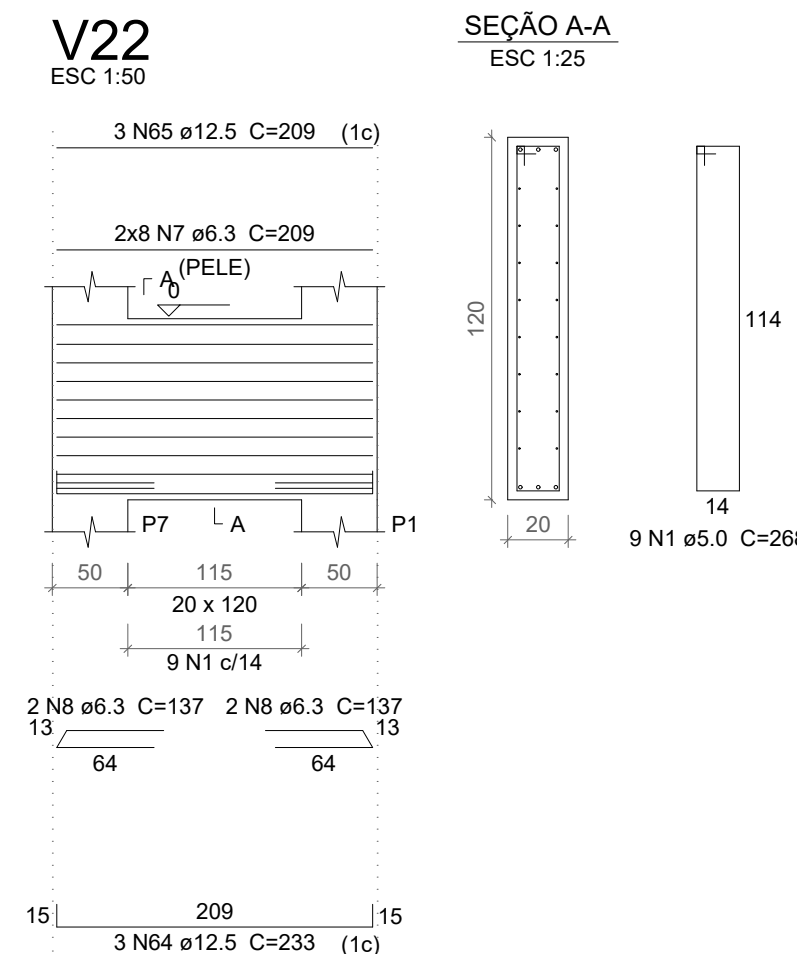




Relação do aço

ACO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	18	268	4824
	2	5.0	60	132	7920
	3	5.0	55	98	5390
	4	5.0	2	333	666
	5	5.0	419	108	45292
	6	5.0	2	430	860
	7	6.3	32	209	6688
	8	6.3	11	137	1507
	9	6.3	3	77	231
	10	6.3	4	167	668
	11	6.3	2	157	314
	12	8.0	2	37	74
	13	8.0	10	184	1840
	14	8.0	5	127	635
	15	8.0	8	216	1728
	16	8.0	2	256	512
	17	8.0	2	291	582
	18	8.0	2	211	422
	19	8.0	2	254	508
	20	8.0	1	420	420
	21	8.0	2	789	1578
	22	8.0	3	147	384
	23	8.0	1	122	122
	24	8.0	3	364	1092
	25	8.0	1	335	335
	26	8.0	2	450	900
	27	8.0	1	162	162
	28	8.0	3	450	1350
	29	8.0	1	180	180
	30	8.0	2	435	870
	31	8.0	2	365	730
	32	8.0	2	947	1894
	33	8.0	1	73	73
	34	8.0	1	875	875
	35	8.0	2	1105	2210
	36	8.0	2	271	542
	37	8.0	2	293	586
	38	8.0	1	202	202
	39	8.0	2	894	1788
	40	8.0	1	598	598
	41	8.0	1	980	980
	42	8.0	2	505	1010
	43	8.0	3	205	885
	44	8.0	1	510	510
	45	8.0	3	260	780
	46	8.0	1	102	102
	47	8.0	1	147	147
	48	8.0	1	212	212
	49	8.0	1	625	625
	50	8.0	2	1198	2396
	51	8.0	2	191	382
	52	8.0	2	235	470
	53	8.0	2	257	514
	54	8.0	2	230	460
	55	8.0	2	252	504
	56	8.0	1	457	457
	57	8.0	4	460	1840
	58	10.0	2	617	1234
	59	10.0	1	122	122
	60	10.0	1	187	187
	61	10.0	2	347	694
	62	10.0	1	512	512
	63	10.0	2	987	1974
	64	12.5	6	233	1398
	65	12.5	6	209	1254
	66	12.5	2	1135	2270
	67	12.5	1	150	150
	68	12.5	1	165	165
	69	12.5	1	160	160
	70	12.5	1	137	137
	71	12.5	2	1200	2400
	72	12.5	2	241	482

Resumo do aço

ACO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	94.1	25.3
	8.0	354.5	153.9
	10.0	47.3	32
	12.5	84.2	89.2
CA60	5.0	649.2	110.1
PESO TOTAL		300.4	

Vol. de concreto total [C=40] = 7.55 m³
Área de forma total = 91.22 m²

NOTAS

- 1.1) Ec=28 GPa
- 1.2) CONTROLE TECNOLÓGICO OBRIGATORIO
- 1.3) QUEDA LIVRE NO LANCAMENTO NUNCA SUPERIOR A 2 METROS
- 1.4) CONCRETAGEM EM CAMADAS NUNCA SUPERIORES A 20 CM
- 1.5) JUNTAS NO PLANO DE LIGACAO DO PILAR C/ A FACE INFERIOR DA ESTRUTURA
- 1.6) A CURA DEVERA SER FEITA DURANTE 7 DIAS APÓS A CONCRETAGEM

2) FORMAS

- 2.1) OS PRADOS PARA RETIRADA DAS FORMAS SERAO:
- 2.1.1) FACES LATERAIS - 3 DIAS
- 2.1.2) FACES INFERIORES (DEIXANDO A ESTRUTURA REESCORADA) - 14 DIAS
- 2.1.3) FACES INFERIORES SEM OS FONTELETES - 21 DIAS
- 2.2) DEIXAR PELO MENOS DOIS PAVIMENTOS ABAIXO DO CONCRETADO ESCORADO

3) ARMADURA

- 3.1) COLOCAR ESPACADORES OU COCADAS P/ RESPEITAR COBRIMENTO DE PROJETO
- 3.2) NUNCA EMENDAR SEM CONSULTAR O CALCULISTA
- 3.3) EVITAR CHOQUE DO VIBRADOR COM A ARMADURA
- 3.4) LIMPAR TODAS AS BARRAS COM LIXA DE FERRO P/ TIRAR FERRUGEM

PRANCHA: 24/42

PROJETO: 16/1/2024

RESPONSÁVEL: ENG. BRUNO FURTADO

ASSINATURA:

BRUNO FURTADO
ENGENHEIRO CIVIL/TEC EDIFICAÇÕES
CALCULISTA ESTRUTURAL
FONE: (0xx83) 90851-4354
E-MAIL: freitadobrunofurtado@gmail.com

ESCALA: 1:50

DESENHOS: VIGAS BALDRAME

ESTRUTURAL