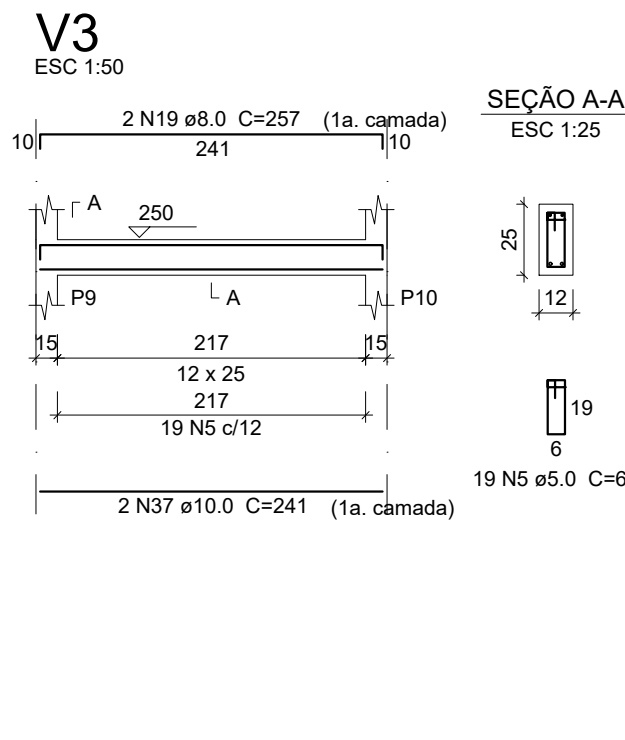
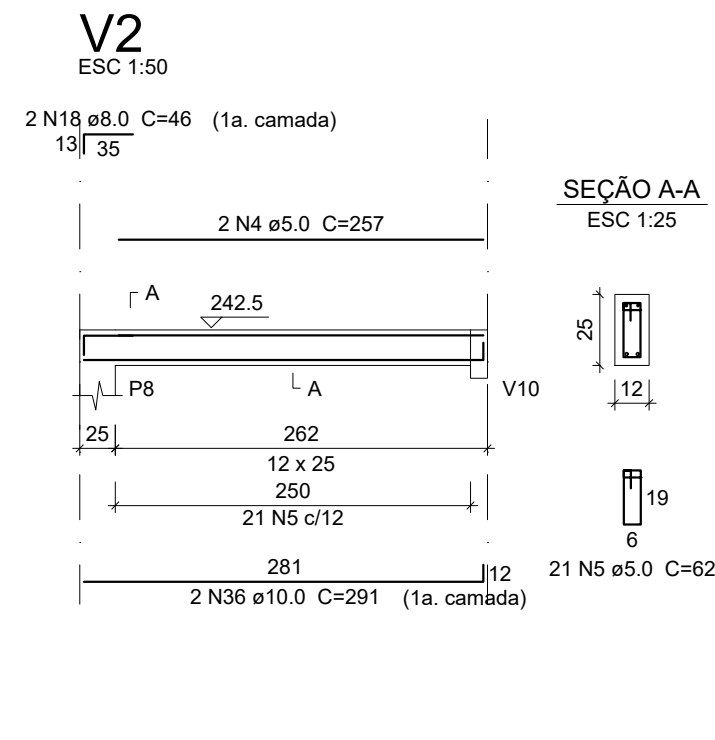
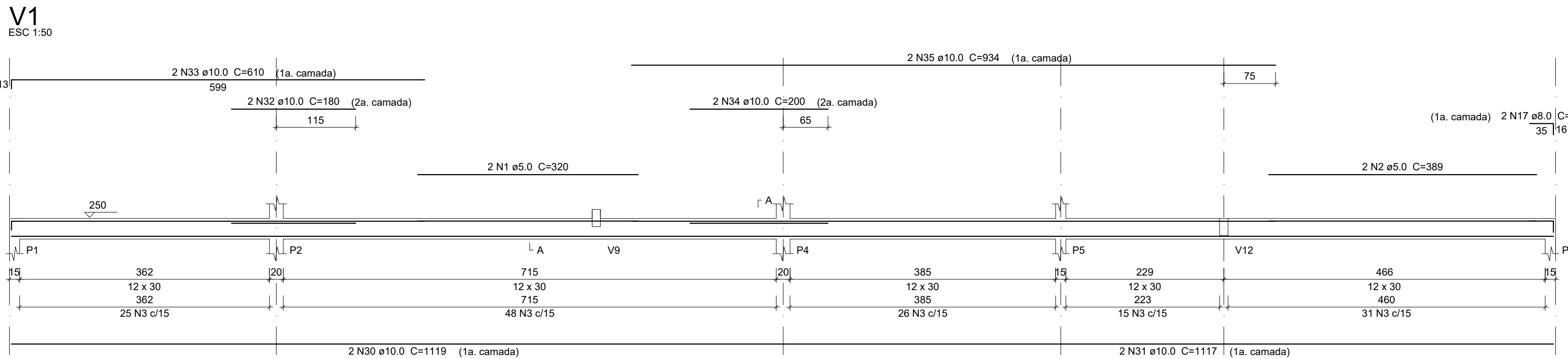
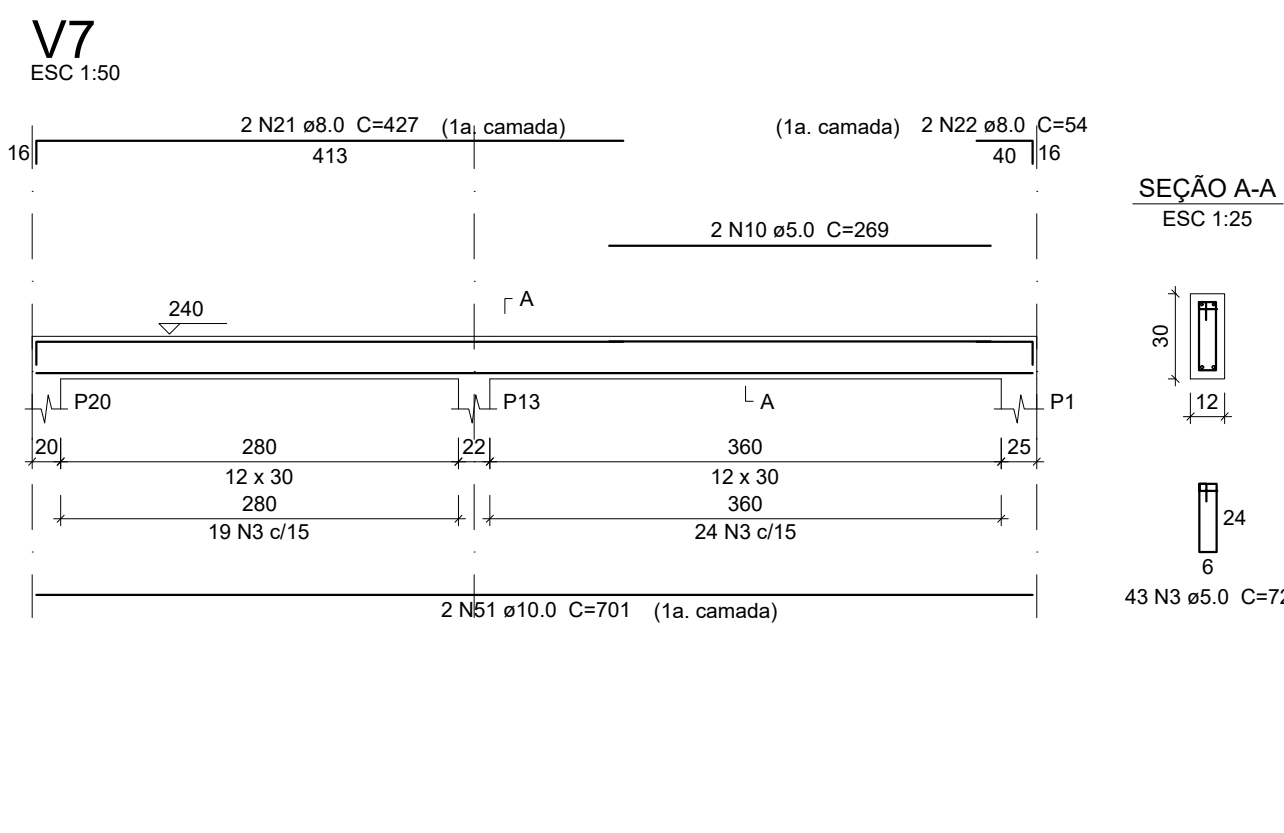
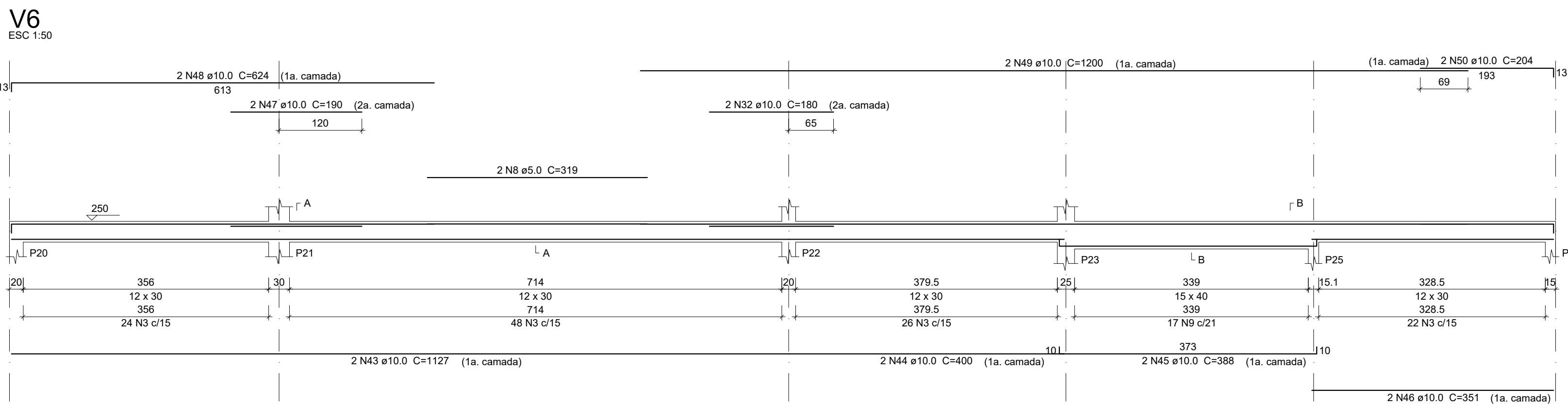
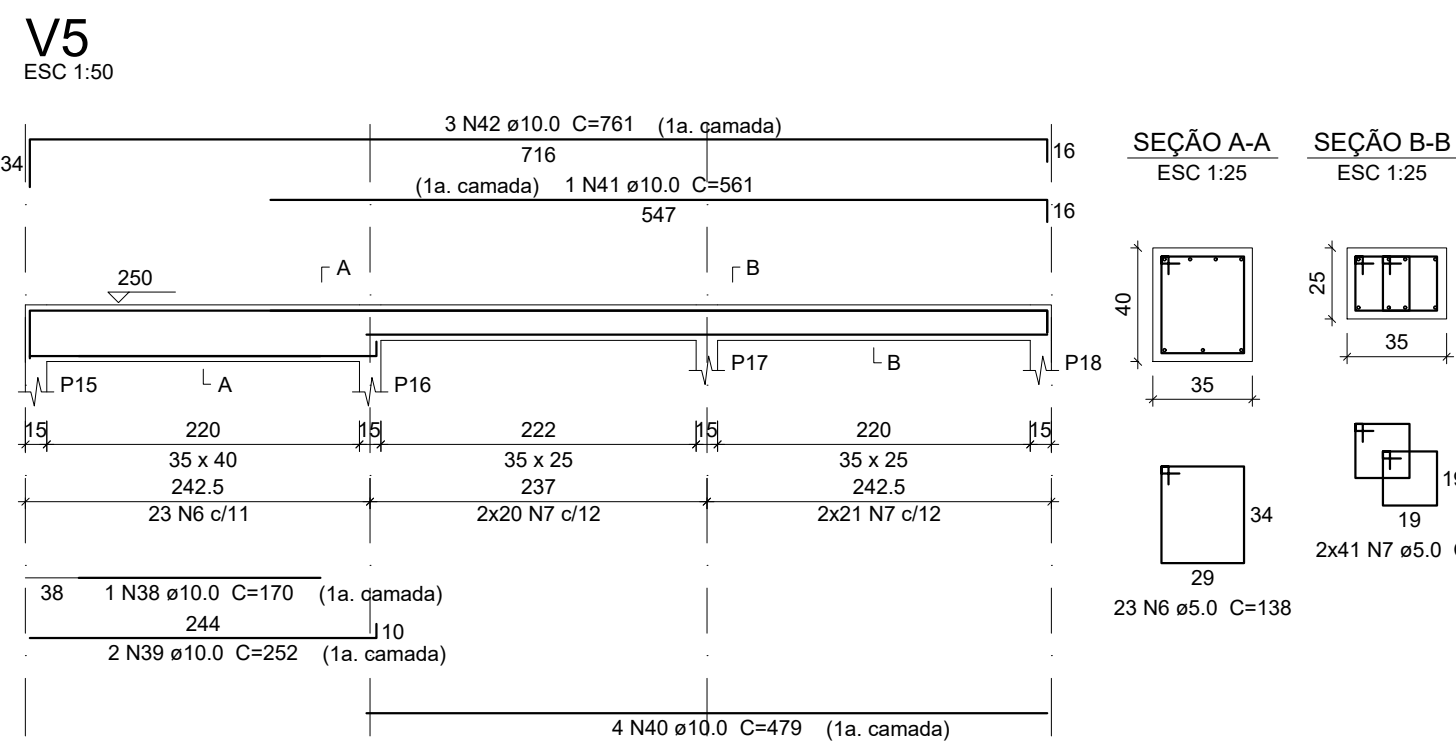
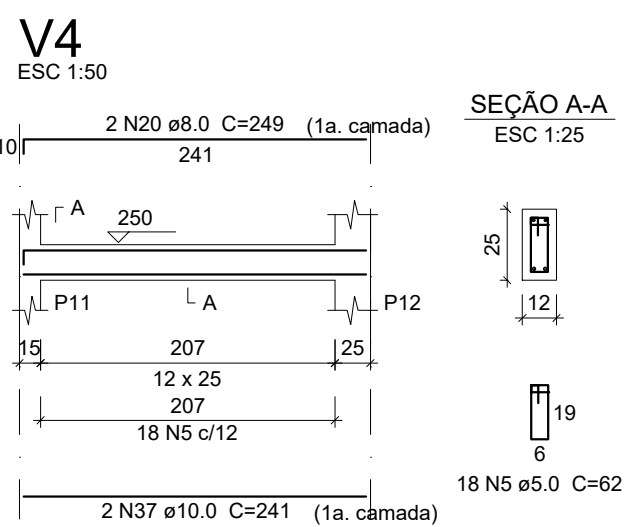




Relação do aço

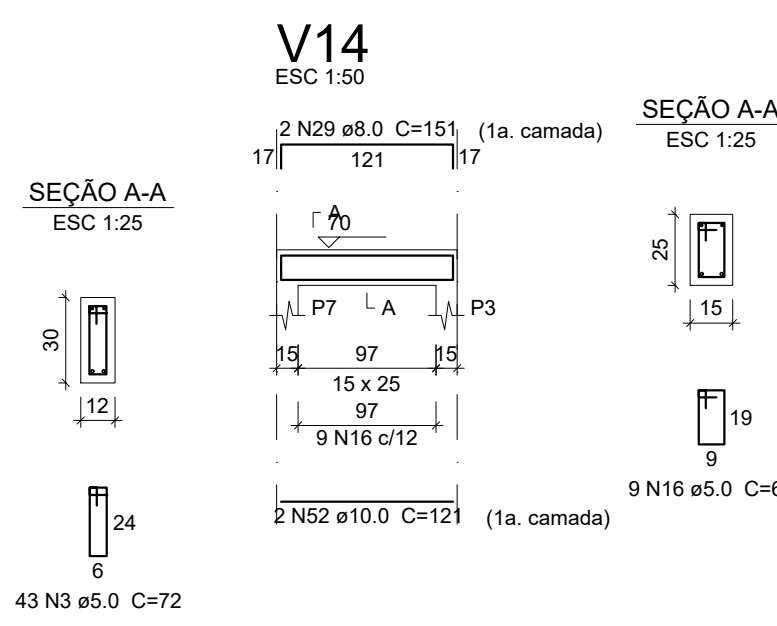
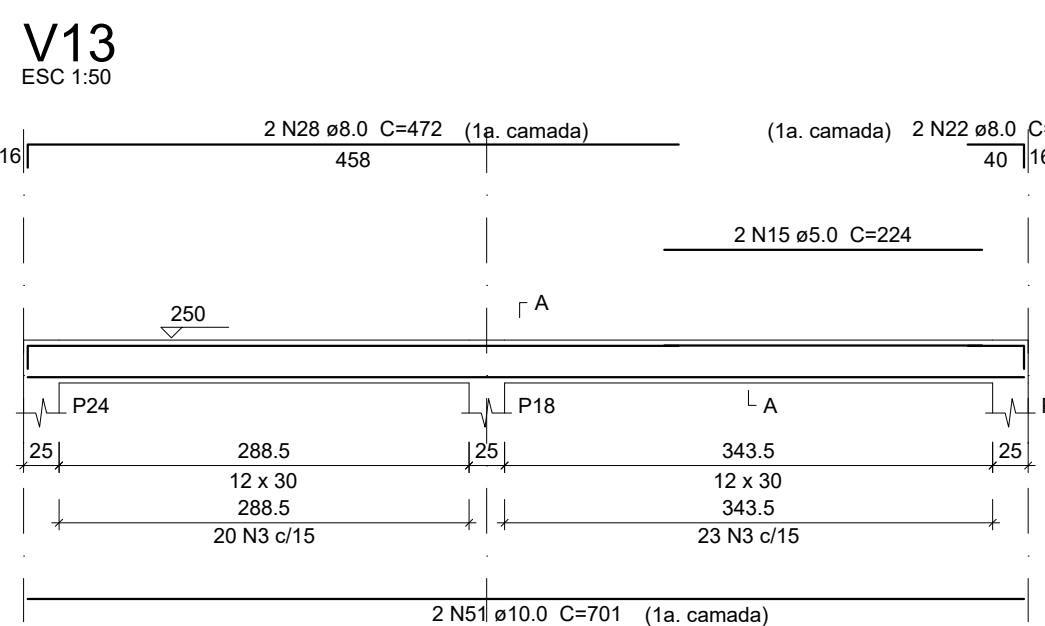
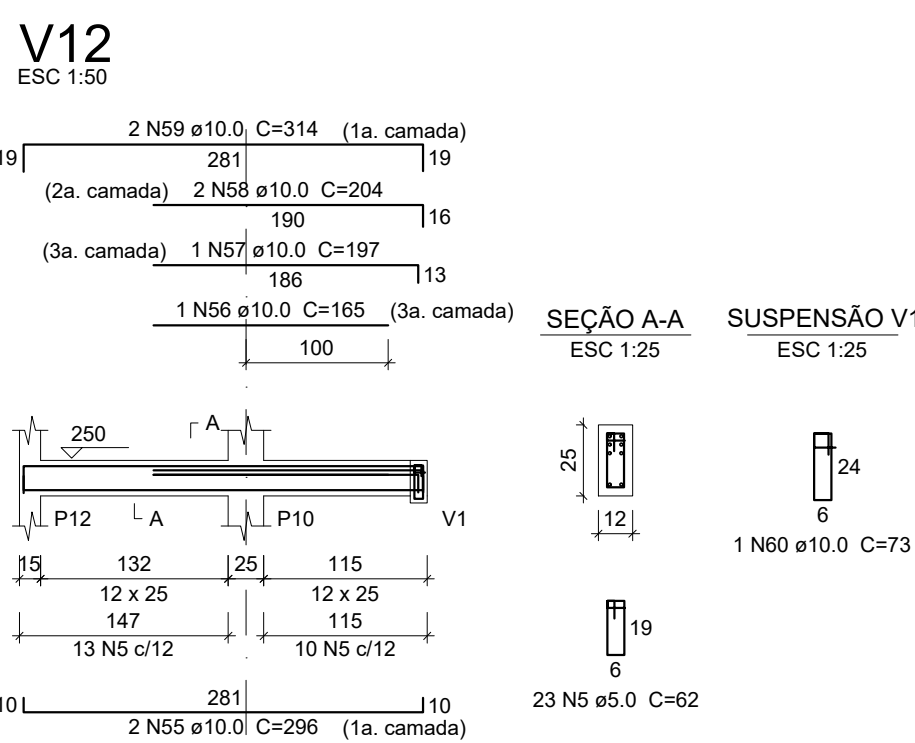
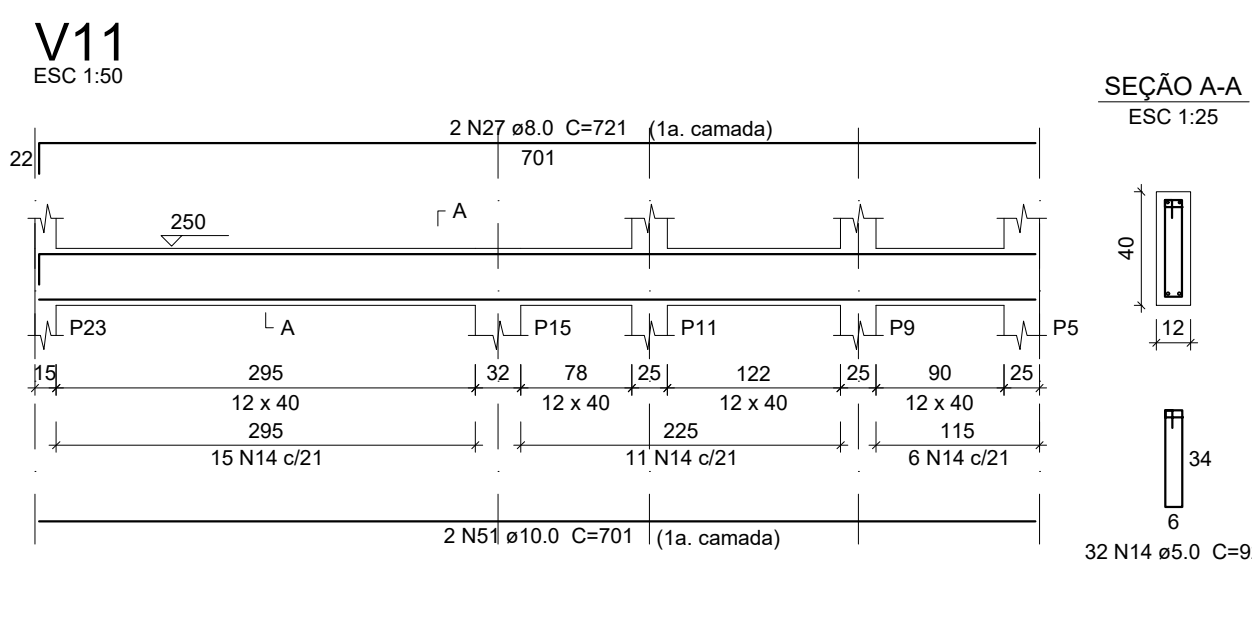
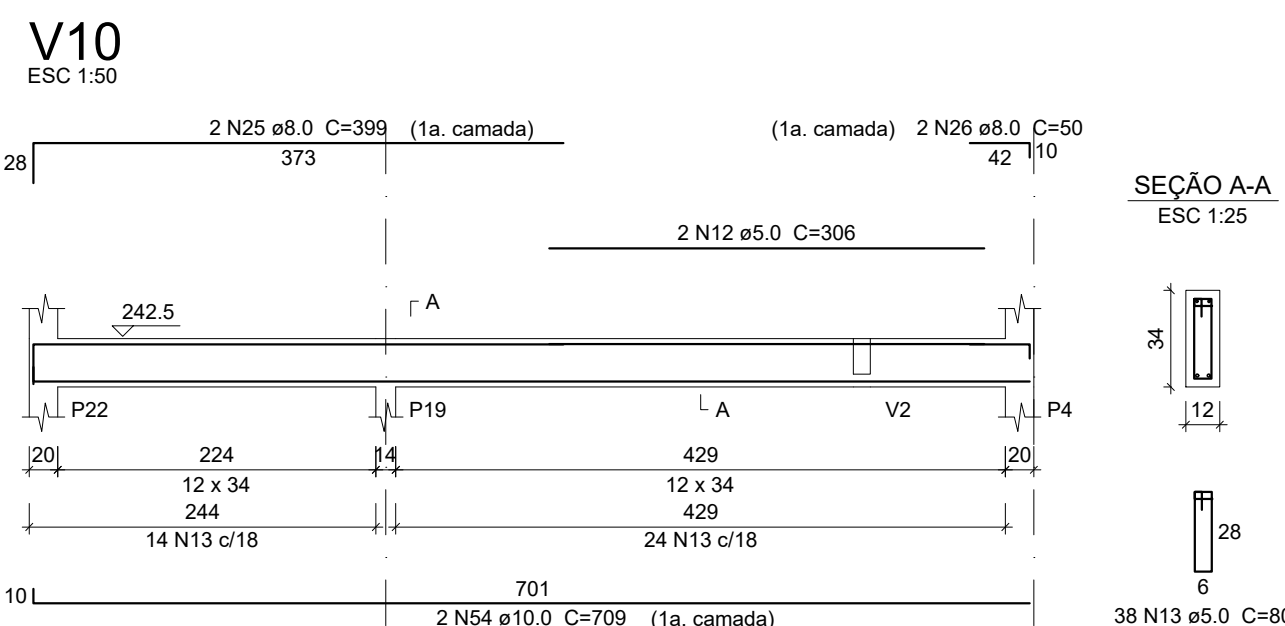
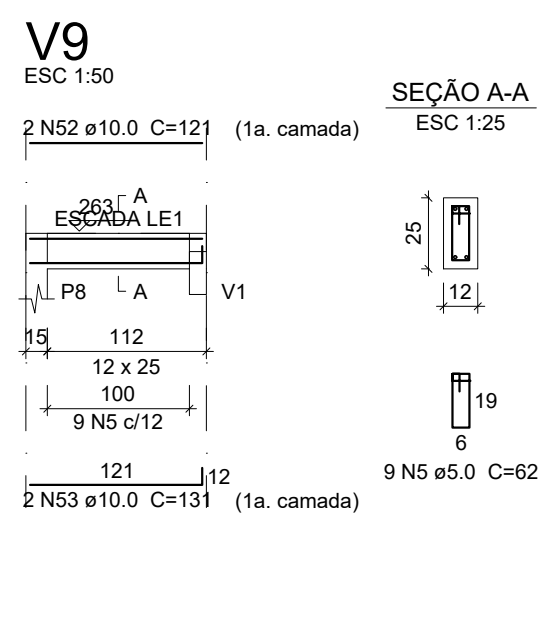
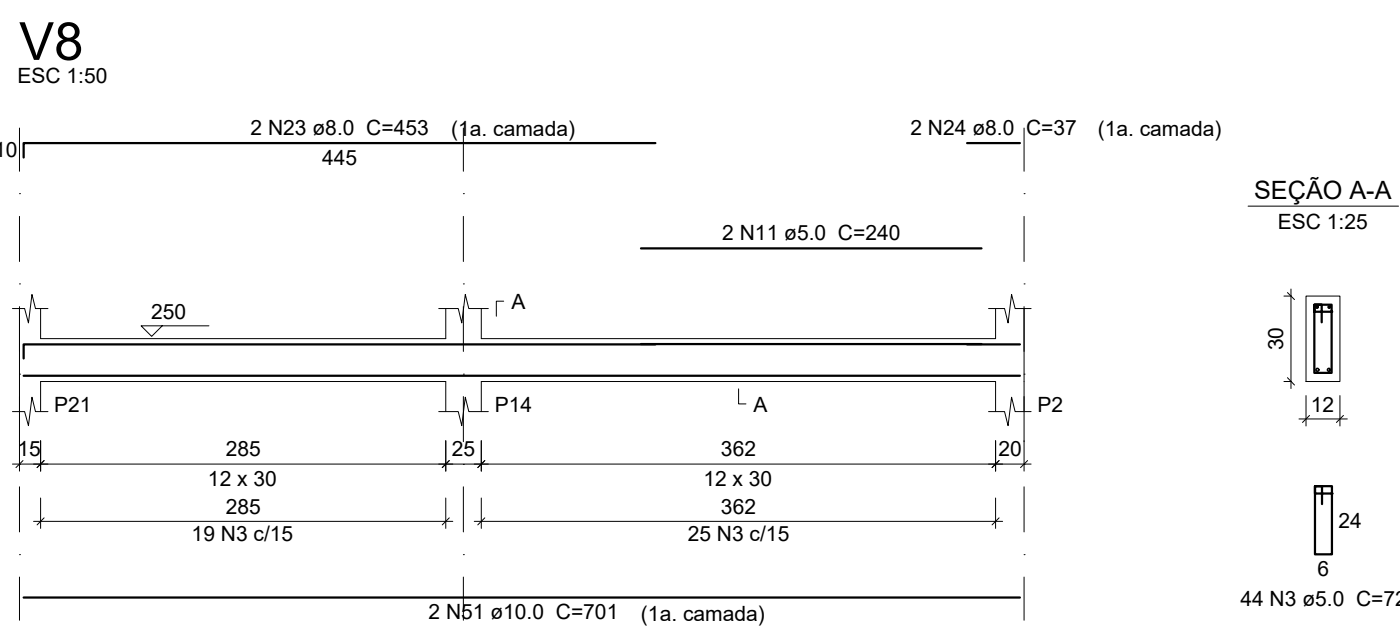
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	2	320	640
	2	5.0	2	389	778
	3	5.0	395	72	28440
	4	5.0	2	257	514
	5	5.0	90	62	5580
	6	5.0	23	138	3174
	7	5.0	82	88	7216
	8	5.0	2	319	638
	9	5.0	17	98	1666
	10	5.0	2	269	538
	11	5.0	2	240	480
	12	5.0	2	306	612
	13	5.0	38	80	3040
	14	5.0	32	92	2944
	15	5.0	2	224	448
CA50	16	5.0	9	68	612
	17	8.0	2	49	98
	18	8.0	2	46	92
	19	8.0	2	257	514
	20	8.0	2	249	498
	21	8.0	2	427	854
	22	8.0	4	54	216
	23	8.0	2	453	906
	24	8.0	2	37	74
	25	8.0	2	399	798
	26	8.0	2	50	100
	27	8.0	2	721	1442
	28	8.0	2	472	944
	29	8.0	2	151	302
	30	10.0	2	1119	2238
	31	10.0	2	1117	2234
	32	10.0	4	180	720
	33	10.0	2	610	1220
	34	10.0	2	230	460
	35	10.0	2	934	1868
	36	10.0	2	291	582
	37	10.0	4	241	964
	38	10.0	1	170	170
	39	10.0	2	252	504
	40	10.0	4	479	1916
	41	10.0	1	561	561
	42	10.0	3	761	2283
	43	10.0	2	1127	2254
	44	10.0	2	400	800
	45	10.0	2	388	776
	46	10.0	2	351	702
	47	10.0	2	190	380
	48	10.0	2	624	1248
	49	10.0	2	1200	2400
	50	10.0	2	204	408
	51	10.0	8	701	5608
	52	10.0	4	121	484
	53	10.0	2	131	262
	54	10.0	2	709	1418
	55	10.0	2	296	592
	56	10.0	1	165	165
	57	10.0	1	197	197
	58	10.0	2	204	408
	59	10.0	2	314	628
	60	10.0	1	73	73



Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	68.4	29.7
CA60	5.0	344.7	233.7
PESO TOTAL		573.2	97.2
CA50	263.4		
CA60	97.2		

Vol. de concreto total (C-25) = 4.26 m³
Área de forma total = 75.64 m²



CLIENTE	XXX
PROJETO	PROJETO CÁLCULO ESTRUTURAL – XXXX–CE
ASSUNTO	FORMA E ARMAÇÃO DAS VIGAS
NÍVEL	250
MATERIAL	ESCALA – INDICADA
DATA	ÁREA
ARQUIVO	003 VIGAS
DESENHO	EDSON PRADO

LAYER	PRN	PRN
COR	Nº	WIDTH
1	7	1.00
2	7	0.50
3	7	0.30
4	7	0.30
5	7	0.30
6	7	0.30
7	7	0.30
8	7	0.10
9	7	0.10