

RELACÃO DO AÇO						
V1				V2	V3	
V4				V5	V6	
V10				V15	V16	
V14				V17	V18	
	ACQ	N	DIAM	QUANT	CUNLIT	C TOTAL
CABO	2	5,0	2	987	23	9030
	2	5,0	2	246	496	
	2	5,0	2	246	496	
	2	5,0	2	246	496	
	2	5,0	2	246	496	
	2	5,0	2	246	496	
	2	5,0	2	246	496	
	2	5,0	2	246	496	
	2	5,0	2	246	496	
	2	5,0	2	246	496	
CABO	10	5,0	20	87	287	2523
	10	5,0	20	87	287	2523
	12	5,0	2	225	400	
	12	5,0	2	225	400	
	14	8,0	2	1022	204	2180
	14	8,0	2	435	870	
	16	8,0	2	259	518	
	16	8,0	2	1140	228	2368
	20	8,0	1	253	263	
	20	8,0	1	607	267	
	20	8,0	1	607	267	
	22	8,0	2	200	1760	
	22	8,0	2	815	870	
	24	8,0	2	262	504	
	24	8,0	2	259	290	
	26	8,0	2	255	510	
	26	8,0	2	249	249	
	28	8,0	1	257	2314	
	28	8,0	1	259	269	
	30	8,0	1	254	254	
	30	8,0	1	1155	210	2362
	32	8,0	1	207	214	
	34	8,0	1	245	304	
	34	8,0	2	992	184	
	34	8,0	2	245	245	
	36	8,0	2	1018	2036	
	36	8,0	2	245	245	
	38	8,0	2	1023	2040	
	40	8,0	1	273	273	
	40	8,0	1	632	632	
	42	8,0	1	127	182	
	42	8,0	1	118	218	
	44	8,0	1	183	183	
	44	8,0	1	375	375	
46	8,0	1	1054	1054		
46	8,0	1	1054	1054		
48	8,0	1	207	207		
48	8,0	1	307	307		
50	8,0	1	237	237		
51	8,0	1	247	247		
51	8,0	1	247	247		
53	8,0	1	246	246		
53	8,0	1	304	304		
55	8,0	1	316	316		
55	8,0	1	316	316		
57	8,0	1	231	231		
57	8,0	1	297	297		
59	8,0	2	295	590		
59	8,0	2	295	590		
61	8,0	4	307	1588		
61	8,0	4	307	1588		
63	10,0	1	215	215		
63	10,0	1	215	215		
65	8,0	2	423	846		
65	8,0	2	423	846		
67	10,0	2	216	432		
67	10,0	2	216	432		
69	10,0	2	240	480		
69	10,0	2	240	480		
71	10,0	2	278	556		
71	10,0	2	278	556		
73	10,0	2	317	634		
73	10,0	2	317	634		
75	10,0	2	360	720		
75	10,0	2	360	720		
77	10,0	2	407	814		
77	10,0	2	407	814		
79	10,0	2	454	908		
79	10,0	2	454	908		
81	10,0	2	501	1002		
81	10,0	2	501	1002		
83	12,5	2	224	448		
83	12,5	2	224	448		
85	12,5	2	226	452		
85	12,5	2	226	452		
87	12,5	2	228	456		
87	12,5	2	228	456		
89	12,5	2	230	460		
89	12,5	2	230	460		
91	12,5	2	232	464		
91	12,5	2	232	464		
93	12,5	2	234	468		
93	12,5	2	234	468		
95	12,5	2	236	472		
95	12,5	2	236	472		
97	12,5	2	238	476		
97	12,5	2	238	476		
99	12,5	2	240	480		
99	12,5	2	240	480		
101	16,0	2	1196	2392		
101	16,0	2	1196	2392		
103	16,0	2	874	1748		
103	16,0	2	874	1748		

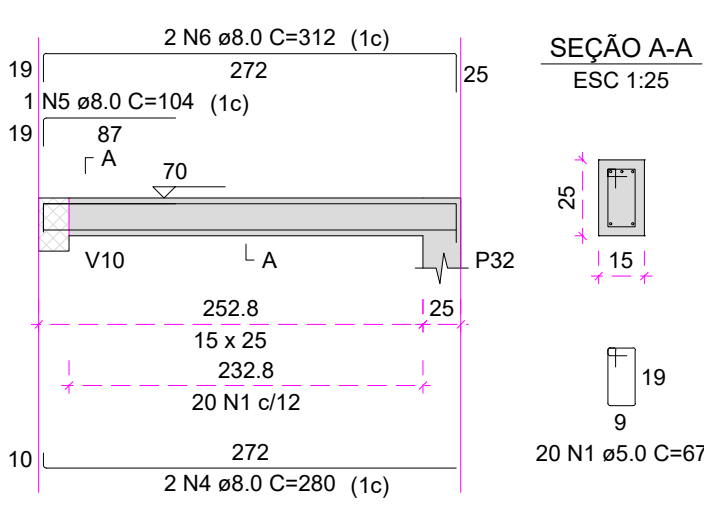
AÇO	DIAM (mm)	C. TOTAL (m)	PESO + 0% (kg)
CA50	8.0	554.9	218.9
	10.0	148.4	91.5
	12.5	106.2	102.3
	16.0	46.3	73
CA60	5.0	1144.3	176.4
PESO TOTAL (kg)			
CA50		485.8	
CA60		176.4	

Volume de concreto (C-30) = 12.41 m³
Área de forma = 159.28 m²

<div><div>GOVERNO DO ESTADO DE RONDÔNIA GOVERNO: Marcos José Rocha dos Santos</div></div>																									
<div><div><div>RONDÔNIA</div></div><div>SECRETARIA DE ESTADO DA SEGURANÇA, DEFESA E CIDADANIA-SESEDC</div></div>																									
<div><div>OBJETO</div><div>CORPO DE BOMBEIROS MILITAR DE RONDÔNIA PROJ. ESTRUTURAL COMANDO GERAL DO CBMRO</div></div>																									
<div><div>ENDEREÇO</div><div>AVENIDA GOVERNADOR JORGE TEIXEIRA S/Nº - INDUSTRIAL - PORTO VELHO - RO</div></div>	<div><div>LOCAL</div><div>PORTO VELHO - RO</div></div>																								
<div><div>CONTEÚDO</div><div>PLANTAS ESTRUTURAL PRECIO BALDRAMES E VIGAS = NÍVEL 0,15 E 0,70m LUGERIAS</div></div>	<div><div>DATA</div><div>24/01/2025</div></div> <div><div>PROCESSO</div><div>0004.014091/2024-14</div></div>																								
<div><div>SUPERVISÃO DE PROJETOS</div><div>INDUSTRIAS DANTAS CHAVES - ENG. ELETRICISTA CREA: 18.842-D-RO AUTORIA DO PROJETO HALEX ALBUQUERQUE CREA:81555-D-RO</div></div>	<div><div>SETOR</div><div>XX</div></div> <div><div>QUADRA</div><div>XX</div></div> <div><div>LOTE</div><div>XX</div></div>																								
<div><div>RESPONSÁVEL TÉCNICO DA OBRA</div><div>EDUARDO HERRMANN - 1º SGT BMB</div></div>	<div><div>ESCALA INDICADA</div><div>DESENHO EDUARDO HERRMANN - 1º SGT BMB</div></div>																								
<div><div>RESPONSÁVEL TÉCNICO DA OBRA</div><div>EDUARDO HERRMANN - 1º SGT BMB</div></div>	<div><div>PROJETO</div><div>ESTRUTURAL</div></div>																								
<div><div>QUADRO DE ÁREAS</div><div>Área a Construir</div><div>3.005,91 m²</div></div>	<div><div>ETAPA DE PROJETO</div><div>BÁSICO</div></div>																								
<div><div>OBJETO</div><div>CORPO DE BOMBEIROS MILITAR DE RONDÔNIA PROJ. ESTRUTURAL COMANDO GERAL DO CBMRO</div></div>	<div><div>PRANCHA</div><div>28</div></div>																								
<div><div>REVISÃO</div><div><table><thead><tr><th>REV.</th><th>MODIFICAÇÃO</th><th>DATA</th><th>PROJETISTA</th><th>CADISTA</th><th>APROVADO</th></tr></thead><tbody><tr><td>01</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>02</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>03</td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table></div></div>	REV.	MODIFICAÇÃO	DATA	PROJETISTA	CADISTA	APROVADO	01						02						03						<div><div>ESPACIO PARA PREFEITURA E C.R.E.A.</div></div>
REV.	MODIFICAÇÃO	DATA	PROJETISTA	CADISTA	APROVADO																				
01																									
02																									
03																									

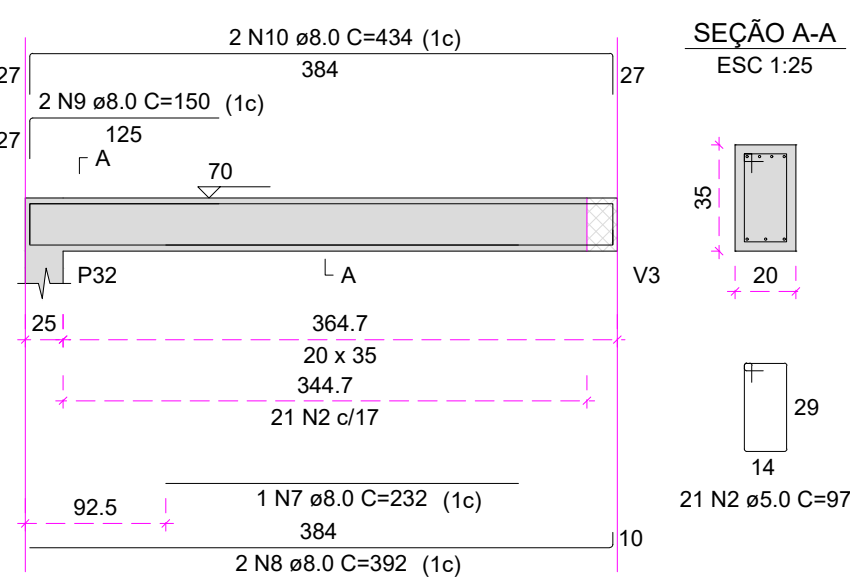
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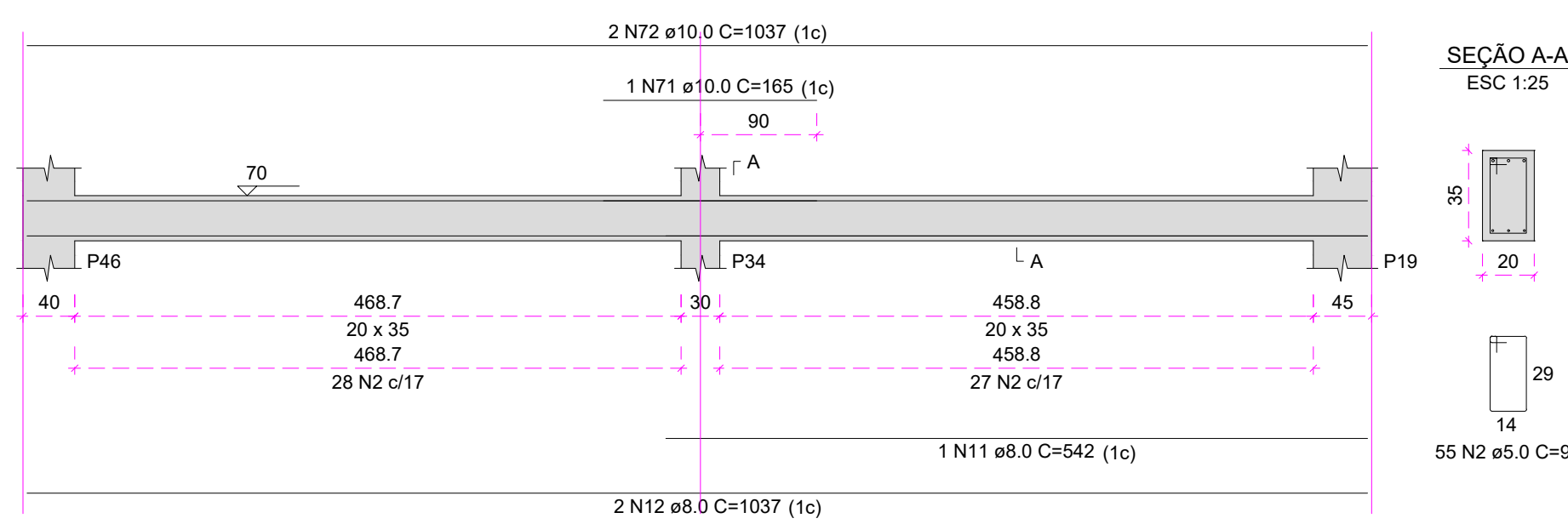
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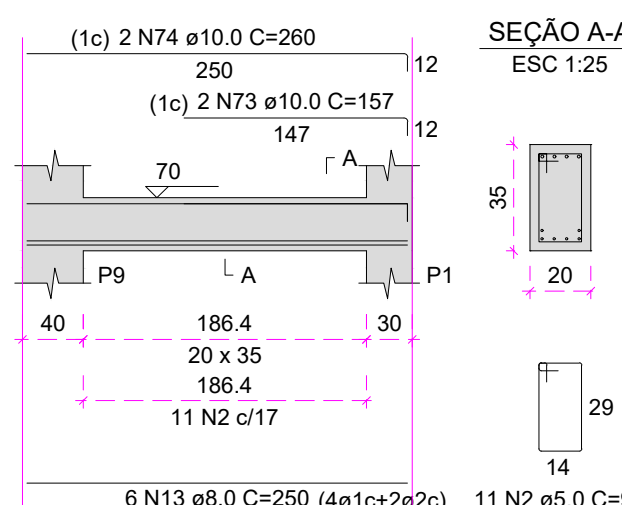
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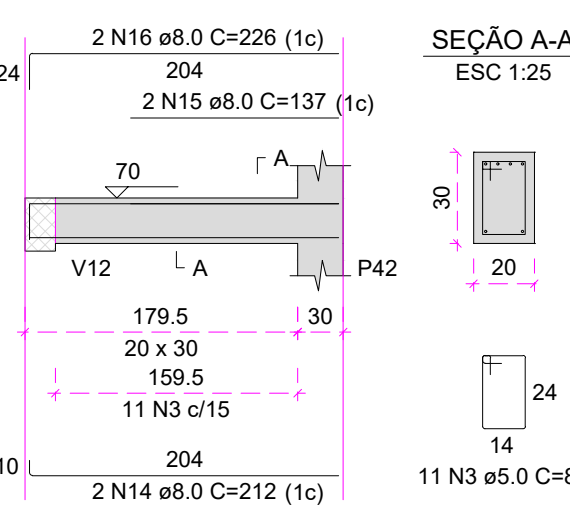
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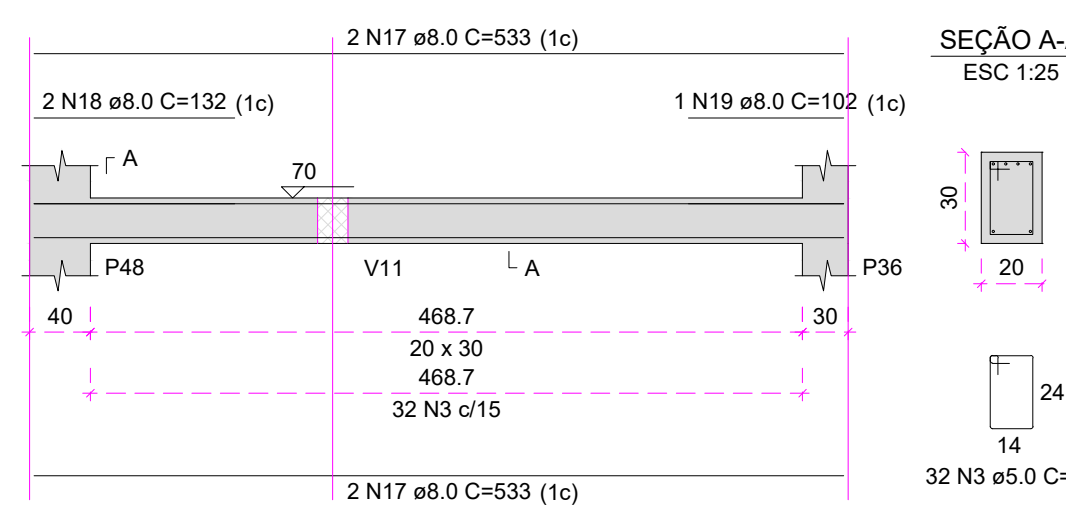
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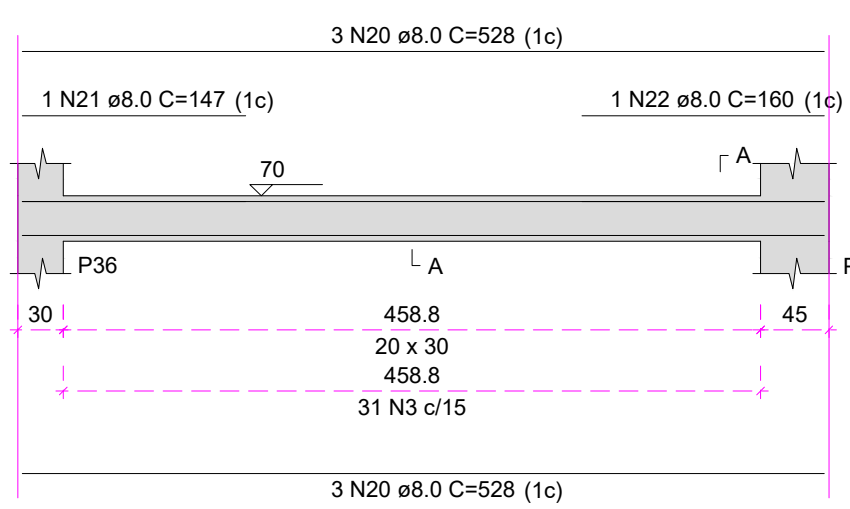
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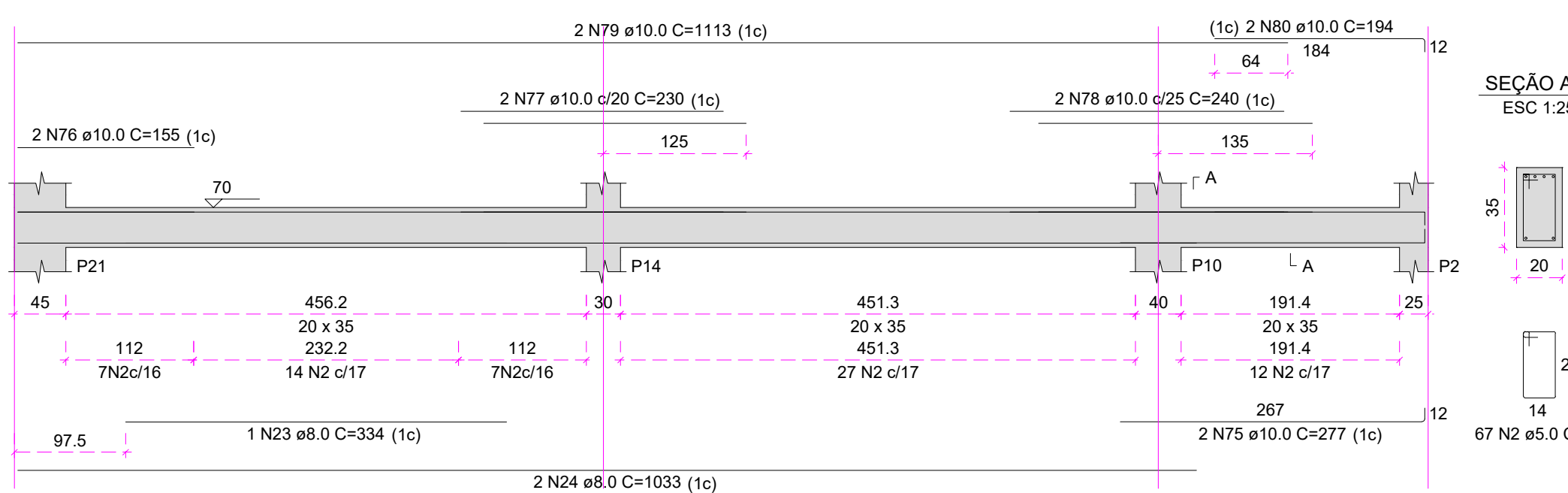
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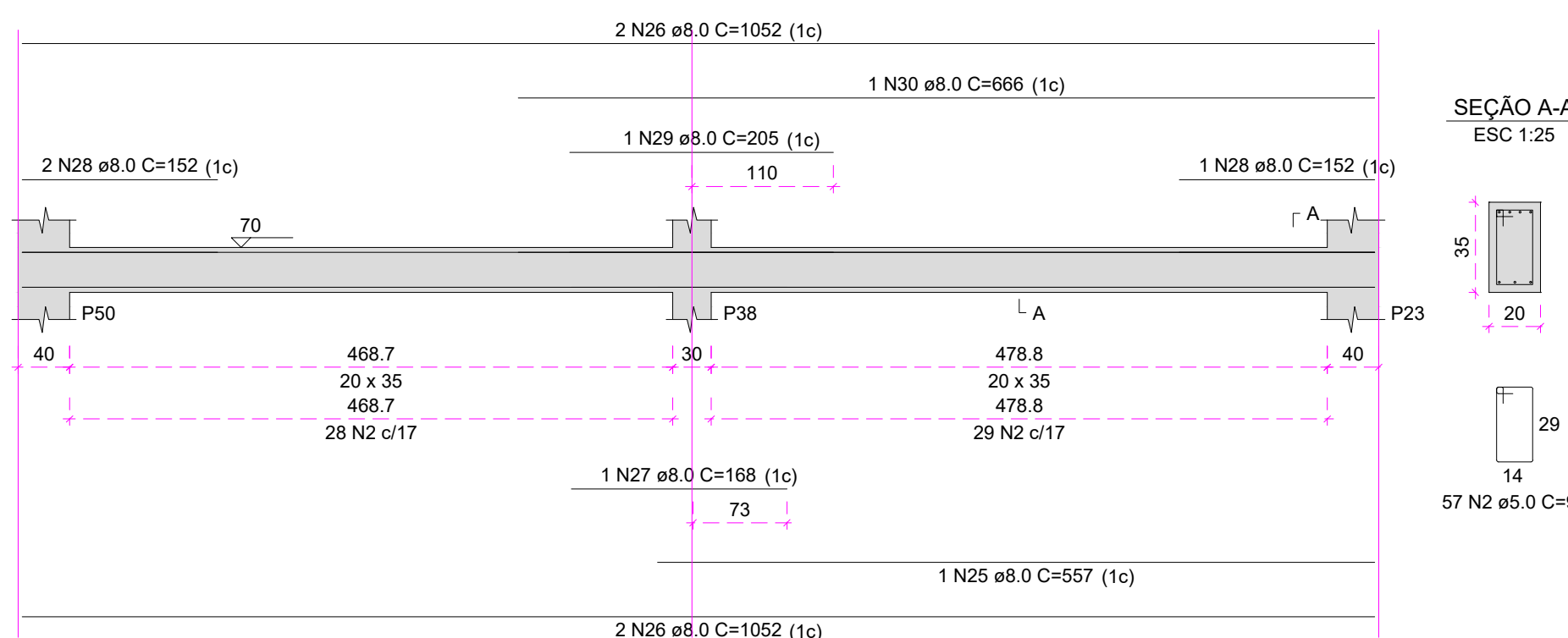
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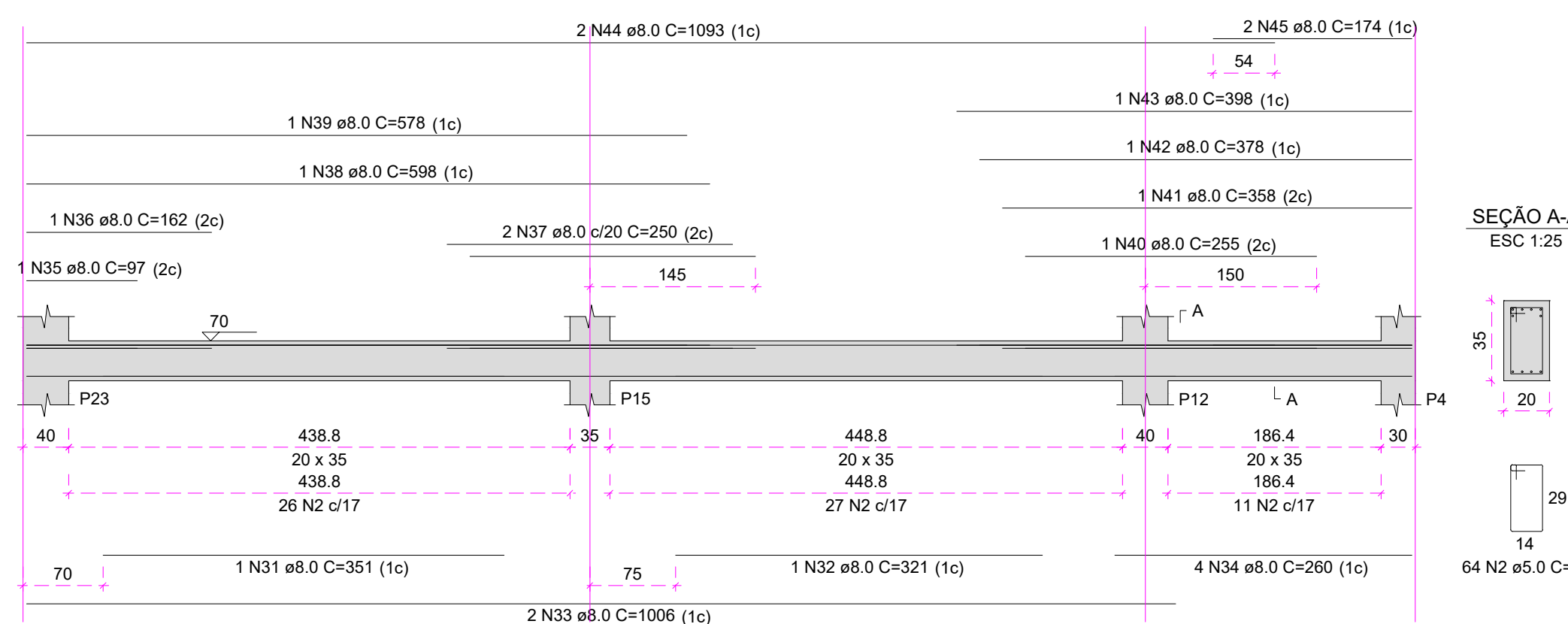
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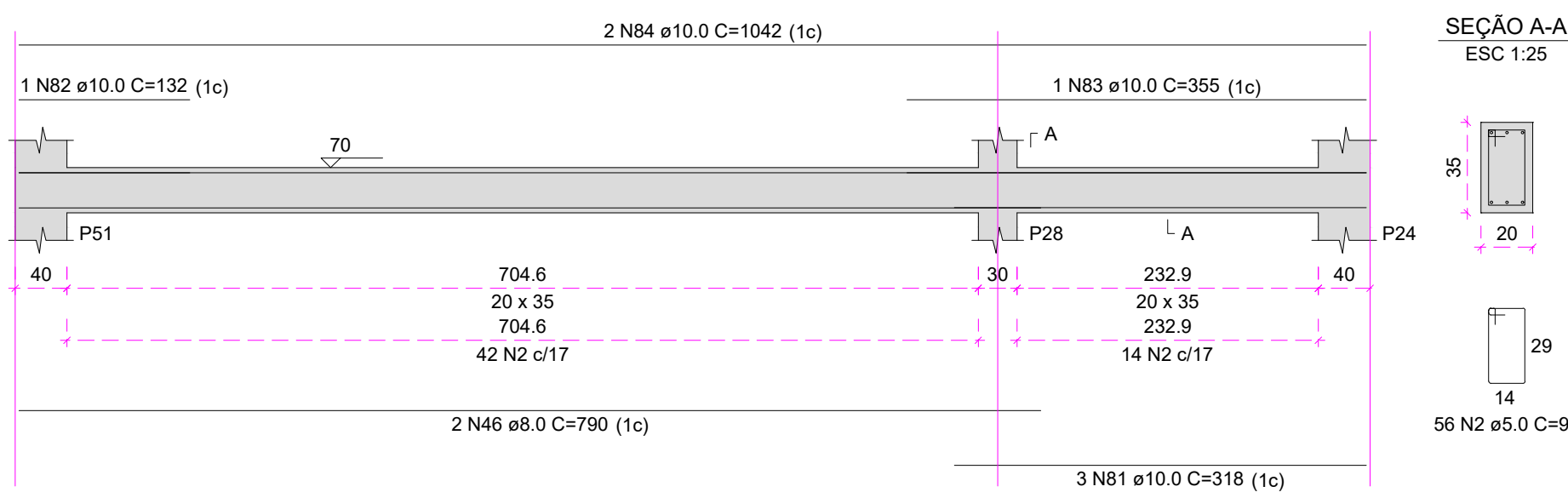
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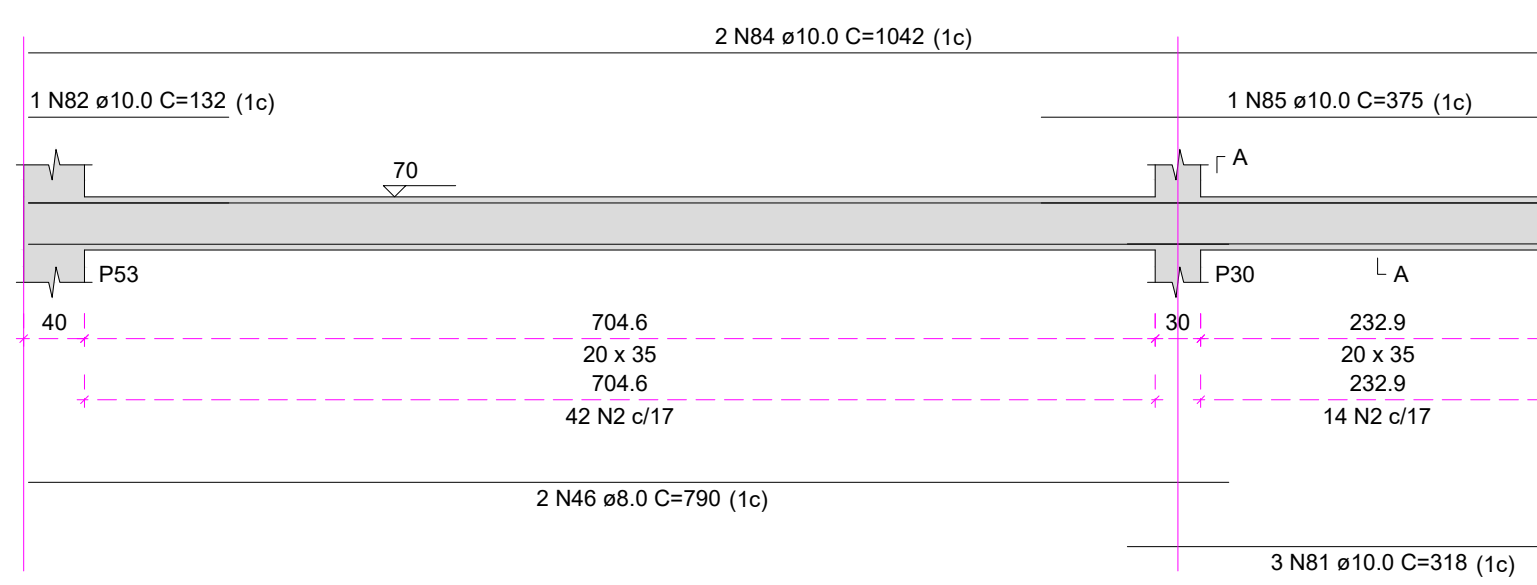
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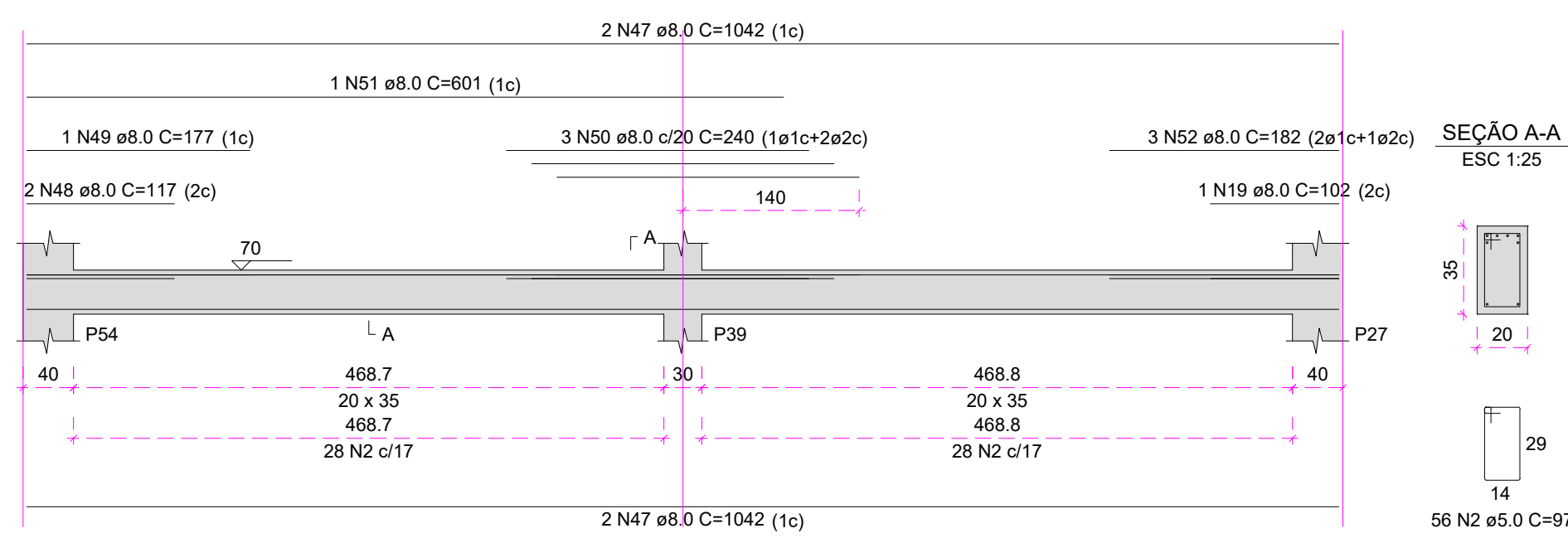
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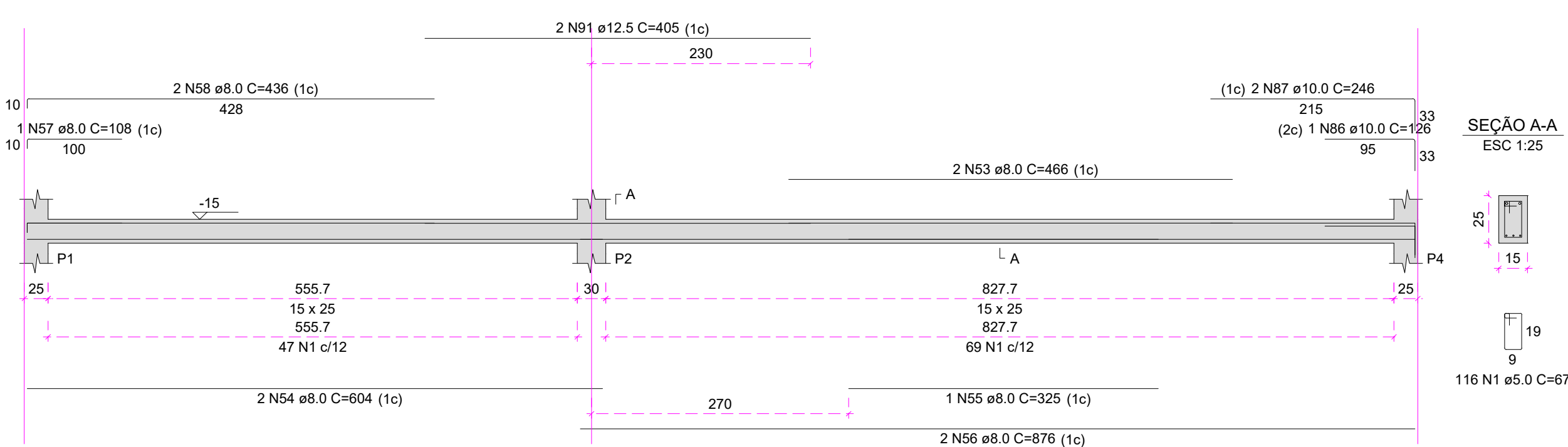
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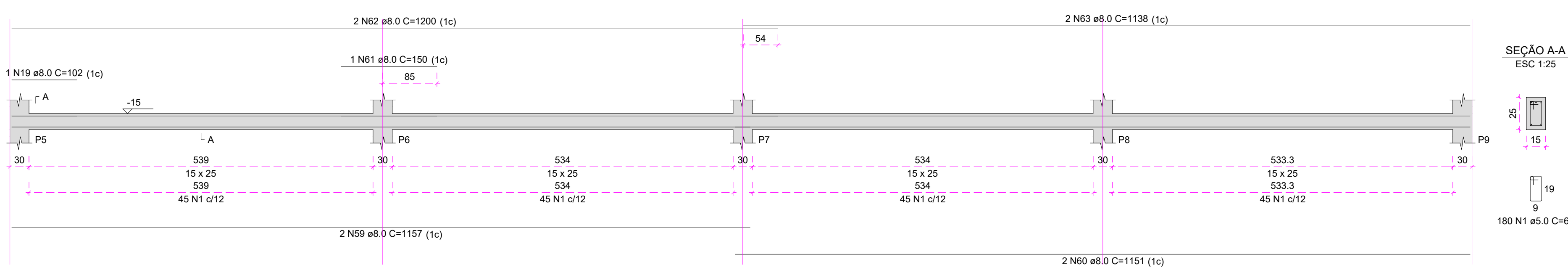
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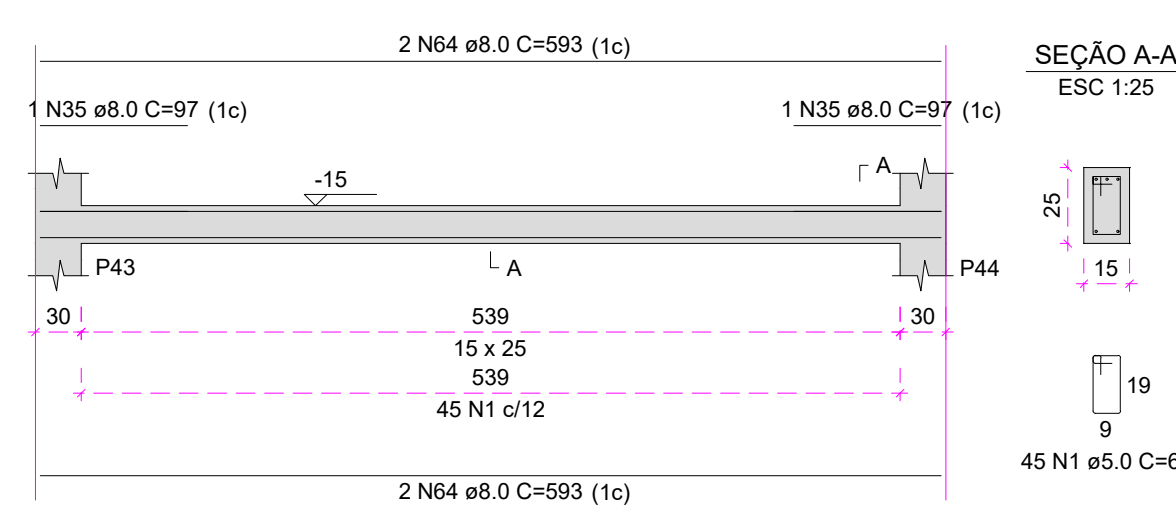
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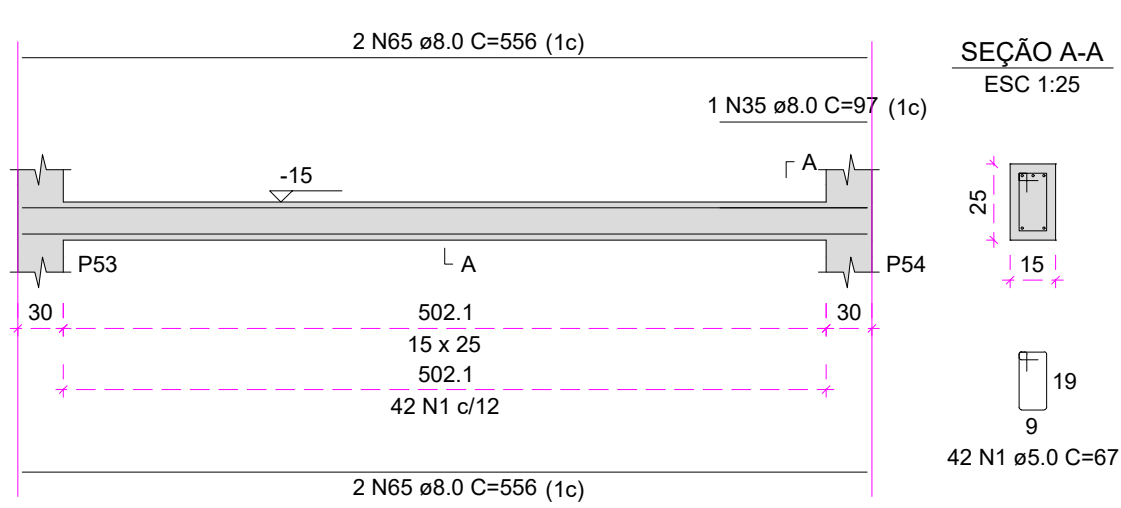
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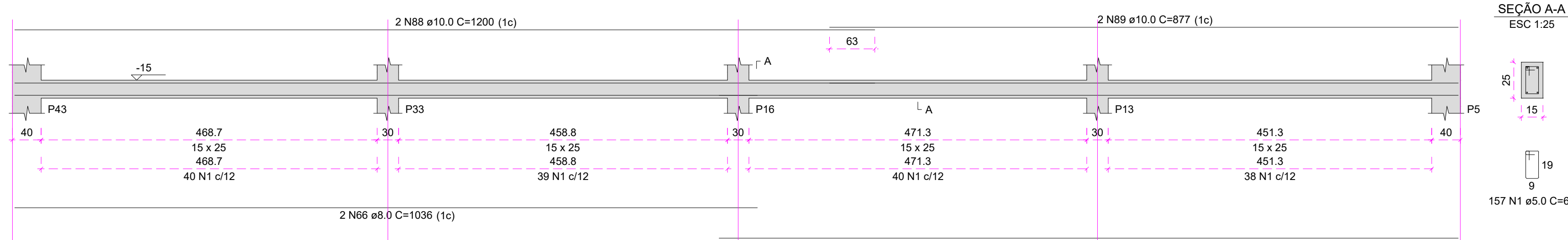
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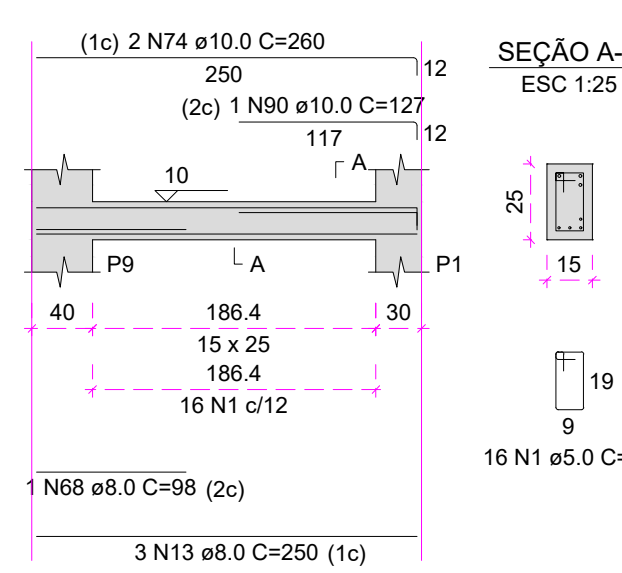
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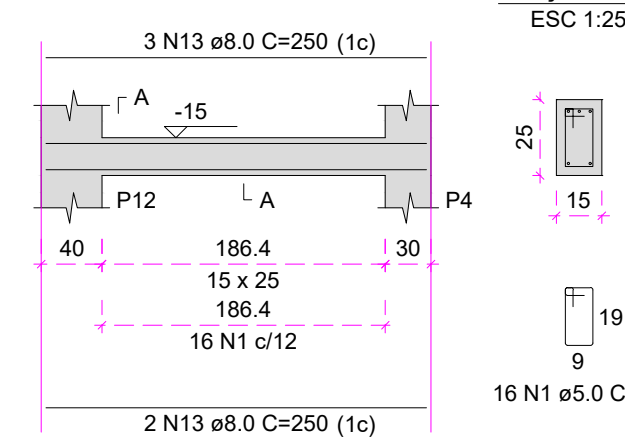
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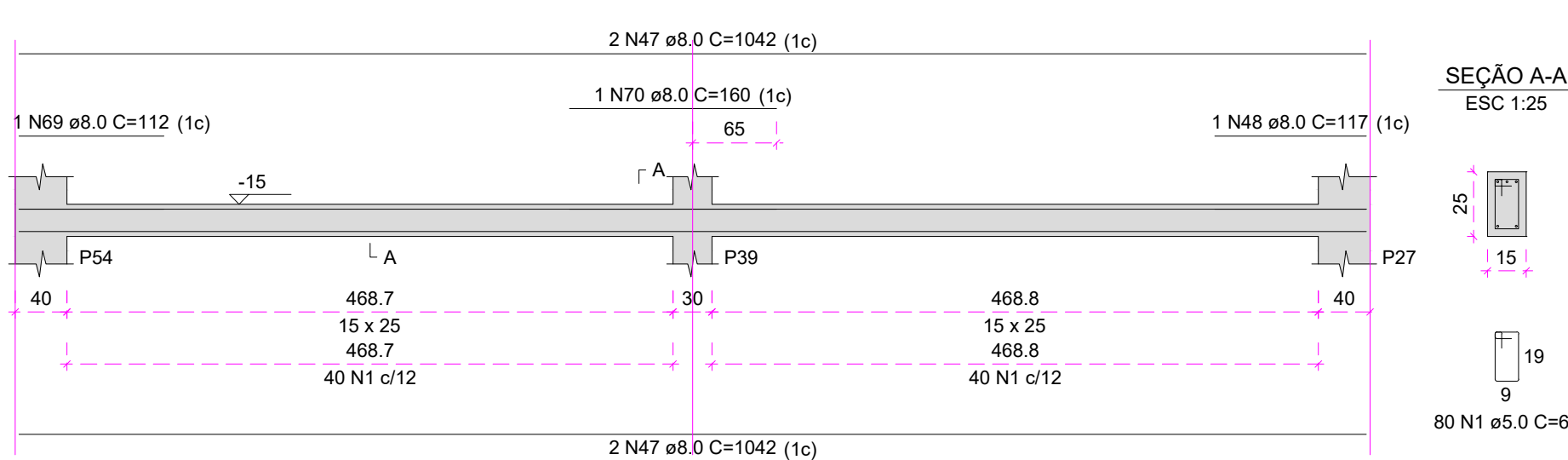
V36

ESC 1:50




V37

ESC 1:50



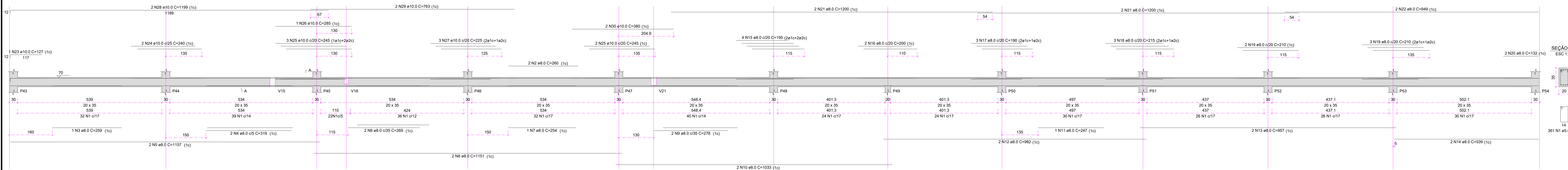
RELAÇÃO DO AÇO				
AÇO	N	DIAM (mm)	QUANT	C.TOTAL (cm)
V17	1	8.0	672	45024
V18	2	5.0	443	42971
V19	3	5.0	74	6438
V20	4	8.0	2	280
V21	5	8.0	1	104
V22	6	8.0	2	312
V23	7	8.0	1	232
V24	8	8.0	2	392
V25	9	8.0	1	150
V26	10	8.0	2	434
V27	11	8.0	1	260
V28	12	8.0	2	1037
V29	13	8.0	1	250
V30	14	8.0	2	212
V31	15	8.0	2	137
V32	16	8.0	2	226
V33	17	8.0	2	533
V34	18	8.0	2	132
V35	19	8.0	2	102
V36	20	8.0	6	528
V37	21	8.0	1	147
V38	22	8.0	1	160
V39	23	8.0	1	334
V40	24	8.0	2	1033
V41	25	8.0	1	267
V42	26	8.0	4	1052
V43	27	8.0	1	168
V44	28	8.0	3	132
V45	29	8.0	1	250
V46	30	8.0	1	578
V47	31	8.0	1	578
V48	32	8.0	2	1056
V49	33	8.0	2	1056
V50	34	8.0	2	1056
V51	35	8.0	4	97
V52	36	8.0	2	250
V53	37	8.0	2	596
V54	38	8.0	1	578
V55	39	8.0	1	578
V56	40	8.0	1	358
V57	41	8.0	1	358
V58	42	8.0	1	358
V59	43	8.0	1	358
V60	44	8.0	1	358
V61	45	8.0	2	174
V62	46	8.0	2	174
V63	47	8.0	8	1042
V64	48	8.0	1	177
V65	49	8.0	1	177
V66	50	8.0	3	246
V67	51	8.0	1	601
V68	52	8.0	2	1151
V69	53	8.0	2	1151
V70	54	8.0	2	1151
V71	55	8.0	2	1151
V72	56	8.0	2	1151
V73	57	8.0	2	1151
V74	58	8.0	2	1151
V75	59	8.0	2	1151
V76	60	8.0	2	1151
V77	61	8.0	1	150
V78	62	8.0	1	150
V79	63	8.0	2	1138
V80	64	8.0	2	1138
V81	65	8.0	4	556
V82	66	8.0	1	1036
V83	67	8.0	2	1031
V84	68	8.0	2	1031
V85	69	8.0	1	108
V86	70	8.0	2	436
V87	71	8.0	2	1167
V88	72	8.0	2	1167
V89	73	10.0	2	157
V90	74	10.0	2	157
V91	75	10.0	2	277
V92	76	10.0	2	277
V93	77	10.0	2	230
V94	78	10.0	2	240
V95	79	10.0	2	1113
V96	80	10.0	4	1168
V97	81	10.0	6	318
V98	82	10.0	2	132
V99	83	10.0	1	325
V100	84	10.0	1	325
V101	85	10.0	1	375
V102	86	10.0	1	375
V103	87	10.0	2	246
V104	88	10.0	2	246
V105	89	10.0	2	877
V106	90	10.0	1	127
V107	91	12.5	2	405

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	8.0	730.8	288.4
CA50	10.0	199.8	123.2
CA50	12.5	8.1	7.8
CA50	5.0	944.3	145.6
PESO TOTAL (kg)			
CA50	419.3		
CA50	145.6		
Volume de concreto (C-30) = 8.82 m³			
Área de forma = 127.02 m²			

 GOVERNO DO ESTADO DE RONDÔNIA GOVERNO: Marcos José Rocha dos Santos			
SECRETARIA DE ESTADO DA SEGURANÇA, DEFESA E CIDADANIA-SESDC			
OBJETO: CORPO DE BOMBEIROS MILITAR DE RONDONIA PROJ. ESTRUTURAL COMANDO GERAL DO CBMRO			
ENDEREÇO: AVENIDA GOVERNADOR JORGE TEIXEIRA S/Nº - INDUSTRIAL - PORTO VELHO - RO	LOCAL: PORTO VELHO - RO	DATA: 24/01/2025 PROCESSO: 0004.014091/2024-14	
CONTEÚDO: PLANTAS ESTRUTURAIS - PREDIO BALDRAMES E VIGAS - NÍVEL 0.15 E 0.70m	SETOR: XX	QUADRA: XX	LOTE: XX
SUPERVISÃO DE PROJETOS: ISLANDIO DANTAS CHAVES - ENG. ELETRICISTA	ESCALA: INDICADA	DESENHO: EDUARDO HERRMANN - 1º SGT BM	
AUTORIA DO PROJETO: HALEX ALBUQUERQUE	PROJETO: CREIA 18.842/DRO	ESTRUTURAL: BÁSICO	
RESPONSÁVEL TÉCNICO PELA OBRA: CREIA 18.842/DRO	PRANCHA: 29		
QUADRO DE ÁREAS: Área a Construir	3,005,91 m²		
Observação:			
REV	MODIFICAÇÃO	DATA	PROJETISTA CADISTA APROVO
01			
02			
03			
ESPAÇO PARA PREFEITURA E C.R.E.A.			

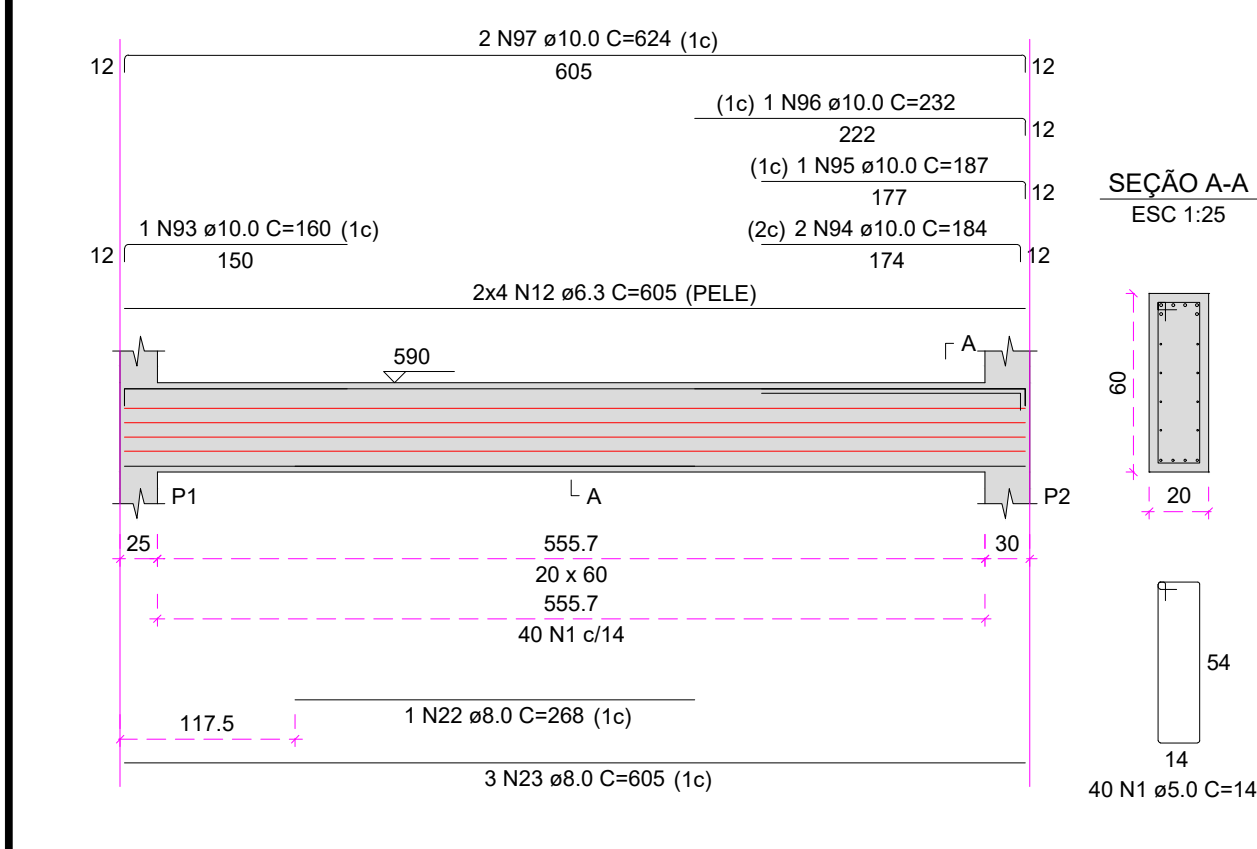
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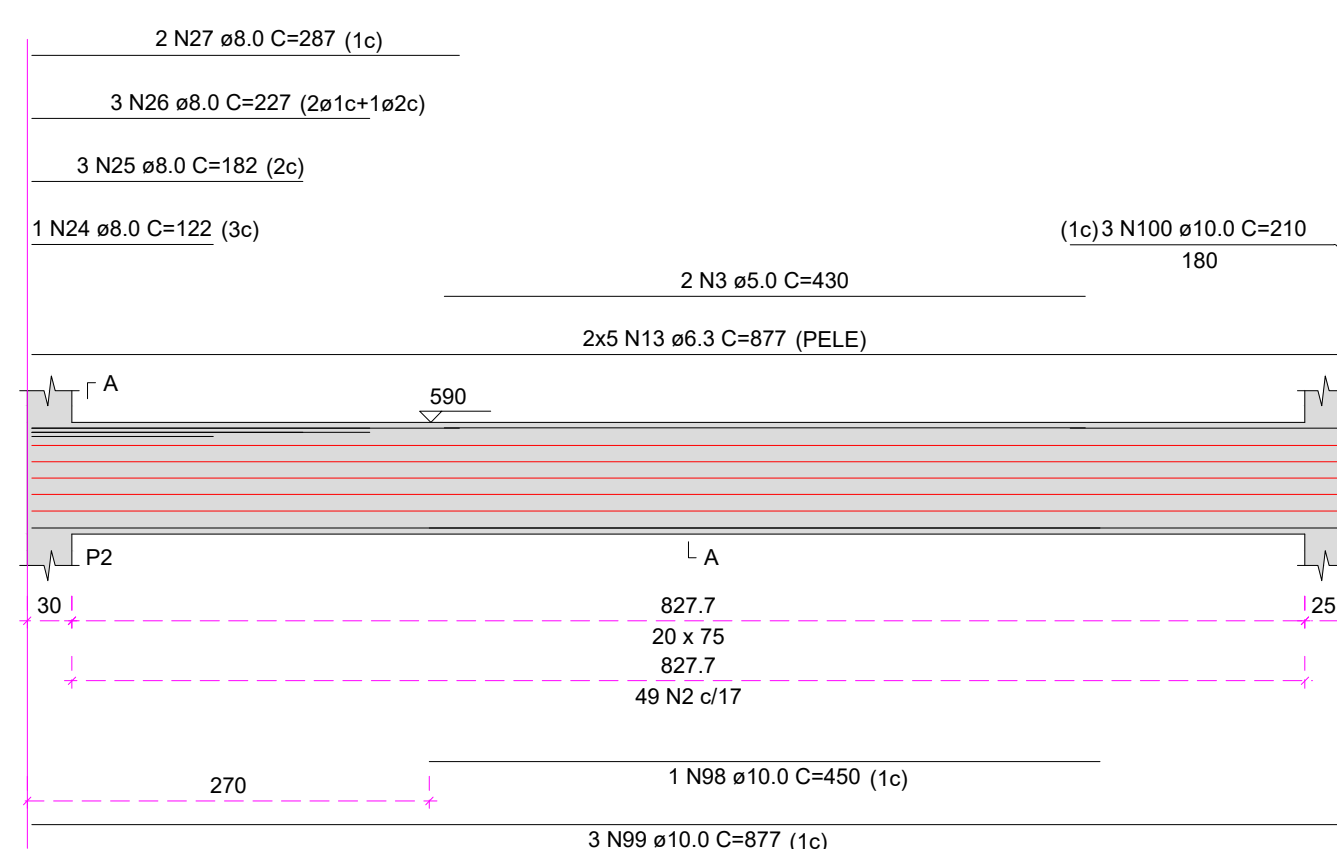
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ESC 1:50



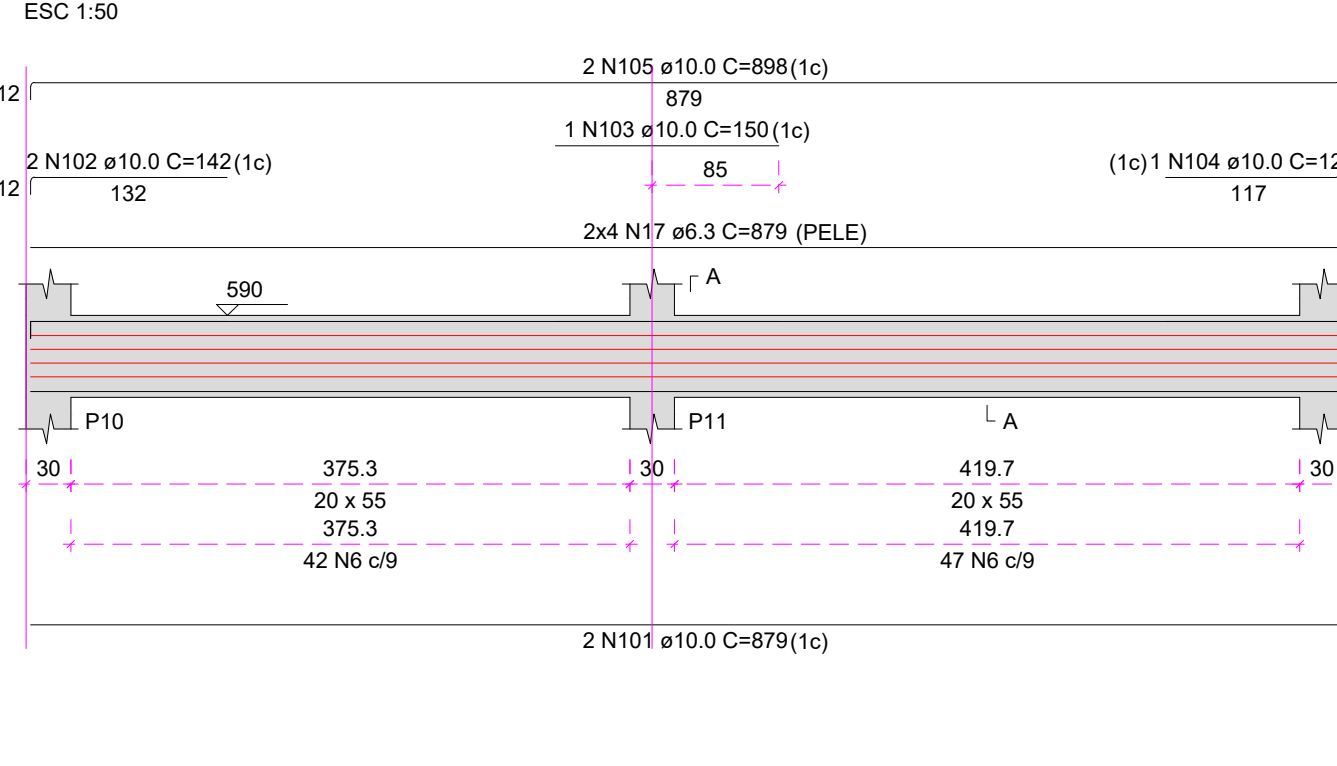
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ESC 1:50



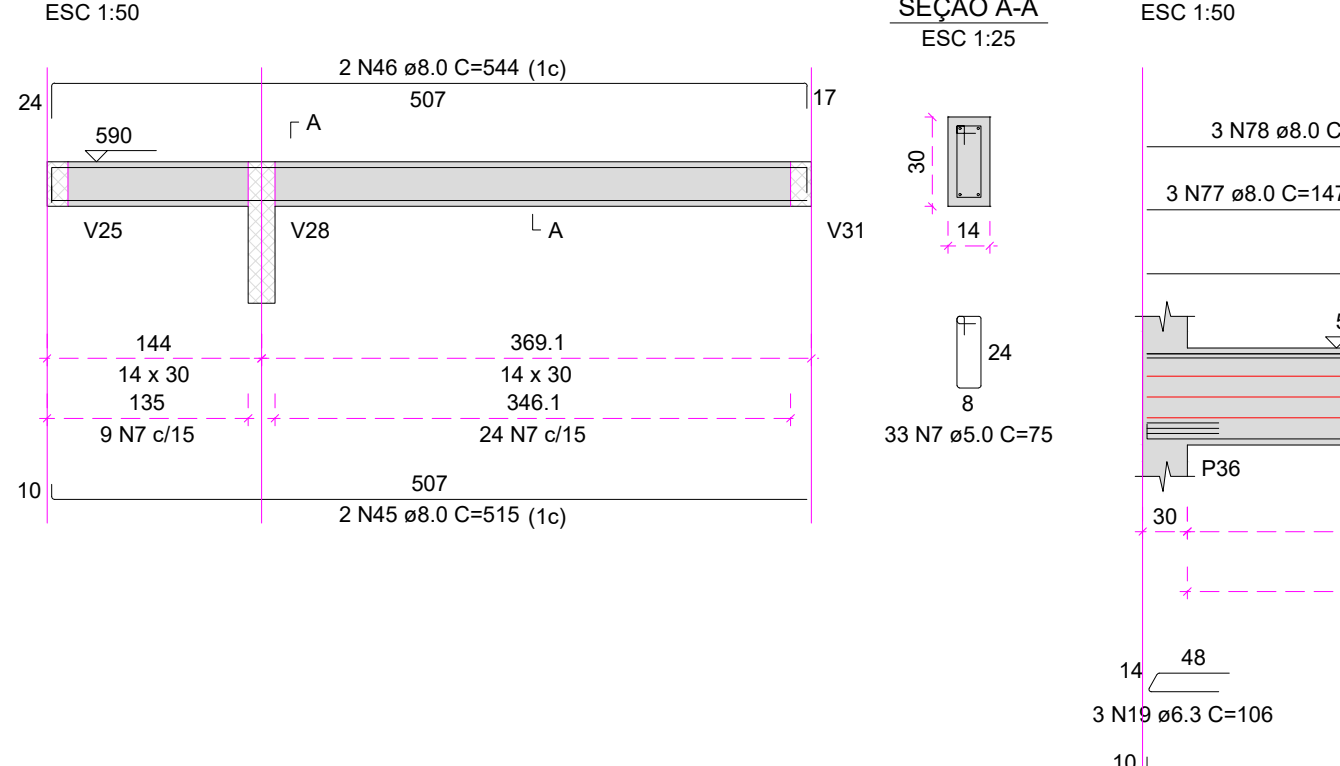
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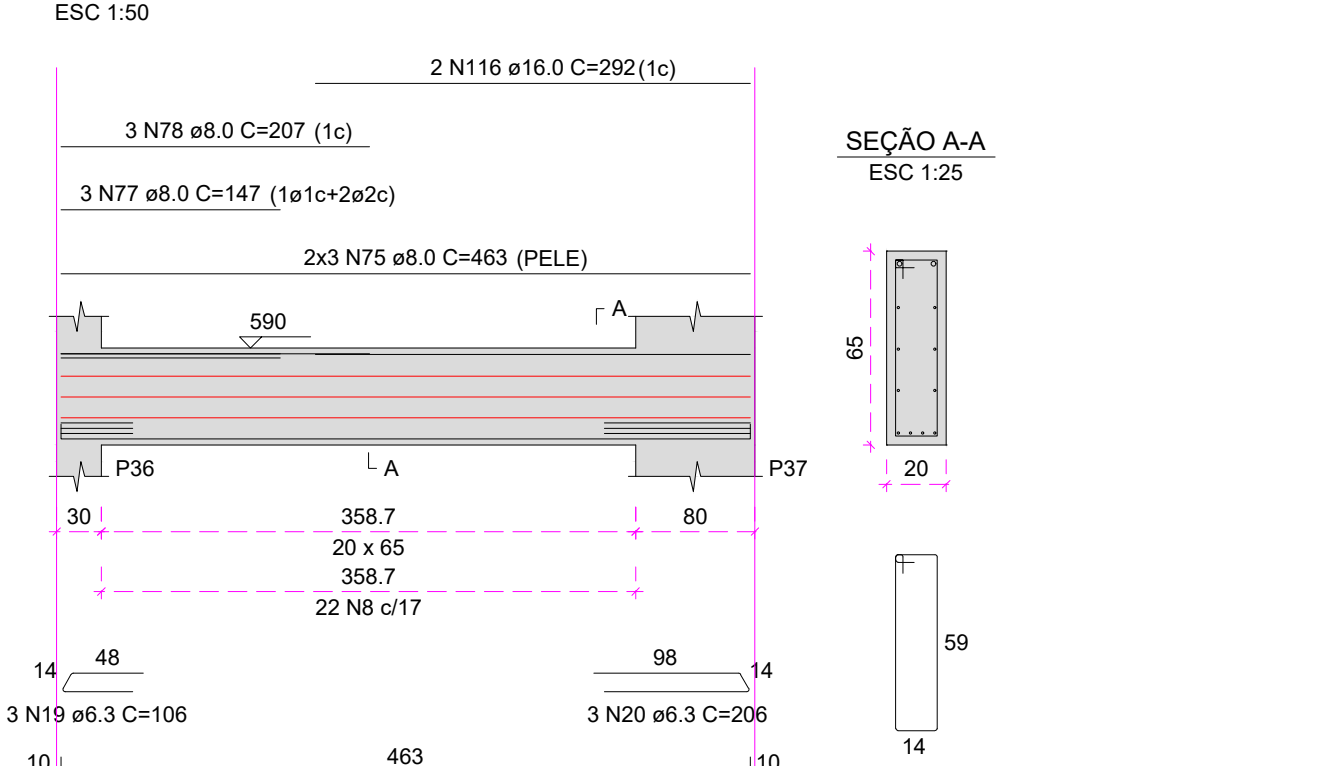
V5

ESC 1:50



V9

ESC 1:50



RELAÇÃO DO AÇO

CAÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)	CAÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CAÇO	1	5.0	440	147	6480	70	8.0	2	170	340	340
	2	5.0	49	177	8673	71	8.0	6	220	1320	1320
	3	5.0	2	430	860	72	8.0	4	205	820	820
	4	5.0	2	254	508	73	8.0	2	117	234	234
	5	5.0	2	203	406	74	8.0	2	871	1742	1742
	6	5.0	89	137	12193	75	8.0	8	463	3704	3704
	7	5.0	33	75	2475	76	8.0	4	479	1916	1916
	8	5.0	205	157	32185	77	8.0	3	147	441	441
	9	5.0	137	187	25610	78	8.0	8	407	3256	3256
	10	5.0	38	87	3306	79	8.0	11	483	5312	5312
	11	5.0	2	276	552	80	8.0	1	267	267	267
	12	5.0	8	85	680	81	8.0	2	461	922	922
	13	6.3	10	877	8770	82	8.0	1	401	401	401
	14	6.3	79	148	11692	83	8.0	2	812	1624	1624
	15	6.3	8	979	7832	84	8.0	2	369	738	738
	16	6.3	8	552	4416	85	8.0	2	319	638	638
	17	6.3	8	1016	8128	86	8.0	2	118	236	236
	18	6.3	8	860	6880	87	8.0	2	238	476	476
	19	6.3	8	548	4384	88	8.0	2	595	1190	1190
	20	6.3	5	268	1340	89	8.0	3	157	471	471
	21	6.3	1	805	805	90	8.0	1	710	710	710
	22	8.0	1	288	288	91	8.0	1	187	187	187
	23	8.0	3	162	486	92	8.0	2	194	388	388
	24	8.0	1	122	122	93	10.0	1	180	180	180
	25	8.0	3	182	546	94	10.0	2	232	464	464
	26	8.0	3	227	681	95	10.0	1	187	187	187
	27	8.0	4	287	1148	96	10.0	1	232	232	232
	28	8.0	4	354	1416	97	10.0	2	624	1248	1248
	29	8.0	2	304	608	98	10.0	1	650	650	650
	30	8.0	6	1140	6840	99	10.0	3	877	2631	2631
	31	8.0	2	314	628	100	10.0	2	710	1420	1420
	32	8.0	2	318	636	101	10.0	2	879	1758	1758
	33	8.0	2	1117	2234	102	10.0	2	142	284	284
	34	8.0	4	347	1388	103	10.0	1	150	150	150
	35	8.0	3	588	1767	104	10.0	2	175	350	350
	36	8.0	2	320	640	105	10.0	2	898	1796	1796
	37	8.0	3	160	480	106	10.0	2	175	350	350
	38	8.0	4	167	668	107	10.0	1	231	231	231
	39	8.0	3	167	501	108	10.0	2	236	472	472
	40	8.0	6	230	1380	109	10.0	2	295	590	590
	41	8.0	3	185	555	110	10.0	1	185	185	185
	42	8.0	2	200	400	111	10.0	2	352	704	704
	43	8.0	24	1200	28800	112	10.0	1	148	148	148
	44	8.0	2	358	716	113	16.0	2	823	1646	1646
	45	8.0	2	515	1030	114	16.0	2	266	532	532
	46	8.0	2	544	1088	115	16.0	2	266	532	532
	47	8.0	8	574	4592	116	16.0	2	266	532	532
	48	8.0	2	688	1376						
	49	8.0	2	389	778						
	50	8.0	1	454	454						
	51	8.0	4	334	1336						
	52	8.0	1	790	790						
	53	8.0	1	303	303						
	54	8.0	2	620	1240						
	55	8.0	2	137	274						
	56	8.0	2	225	450						
	57	8.0	4	235	940						
	58	8.0	2	225	450						
	59	8.0	1	172	172						
	60	8.0	14	879	12306						
	61	8.0	2	383	766						
	62	8.0	2	604	1208						
	63	8.0	2	260	520						
	64	8.0	2	302	604						
	65	8.0	2	1007	2014						
	66	8.0	1	277	277						
	67	8.0	1	539	539						
	68	8.0	2	1008	2016						
	69	8.0	1	120	120						

RESUMO DO AÇO

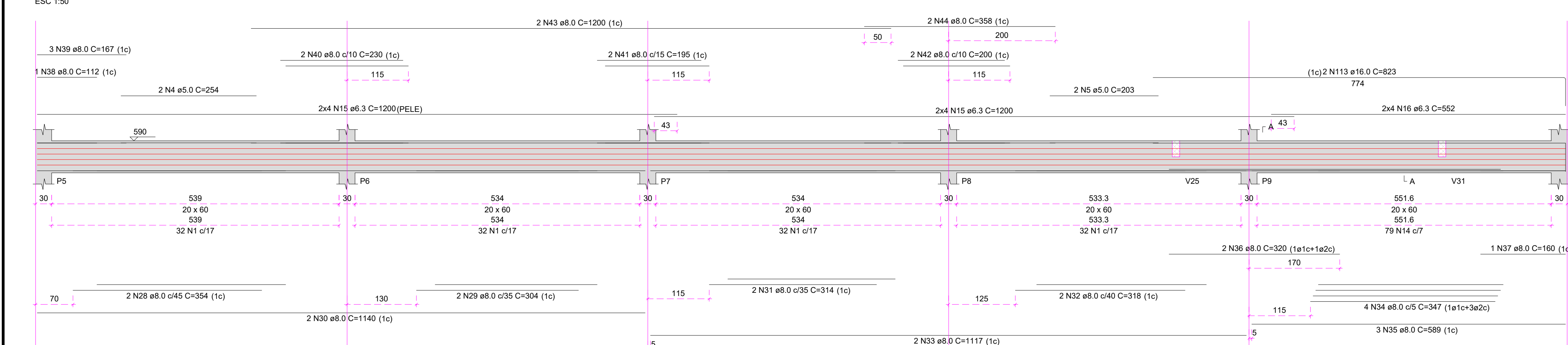
AÇO	DIAM (mm)	C.TOTAL (cm)	PESO = 0% (kg)
CAÇO	6.3	975.8	238.8
	8.0	1187.5	295.4
	10.0	127	78.3
	16.0	49.7	12.5
CAÇO	5.0	1514.6	233.4
PESO TOTAL (kg)			
CAÇO	835.4		
CAÇO	233.4		
CAÇO	539		
CAÇO	1008		
CAÇO	120		

Volume de concreto (C-30) = 17.76 m³

Área de forma = 170.02 m²

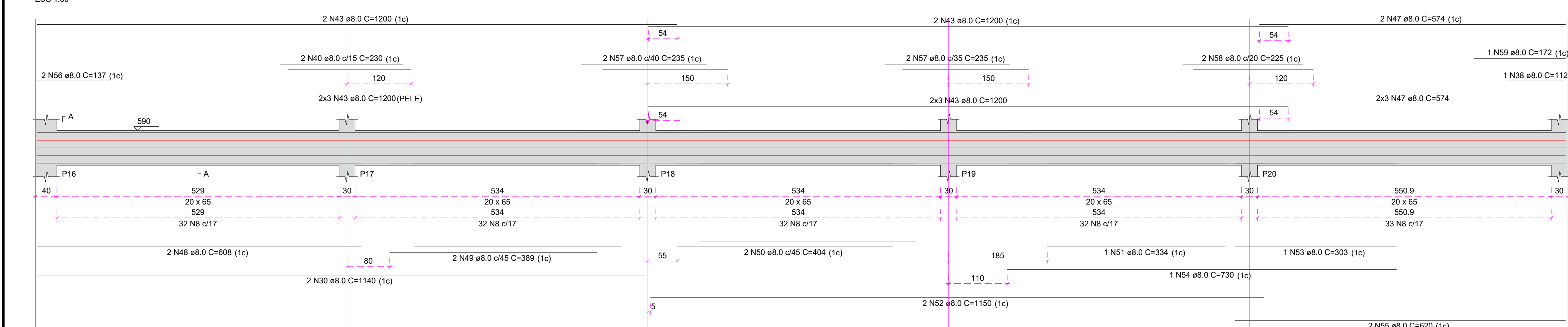
V3

ESC 1:50



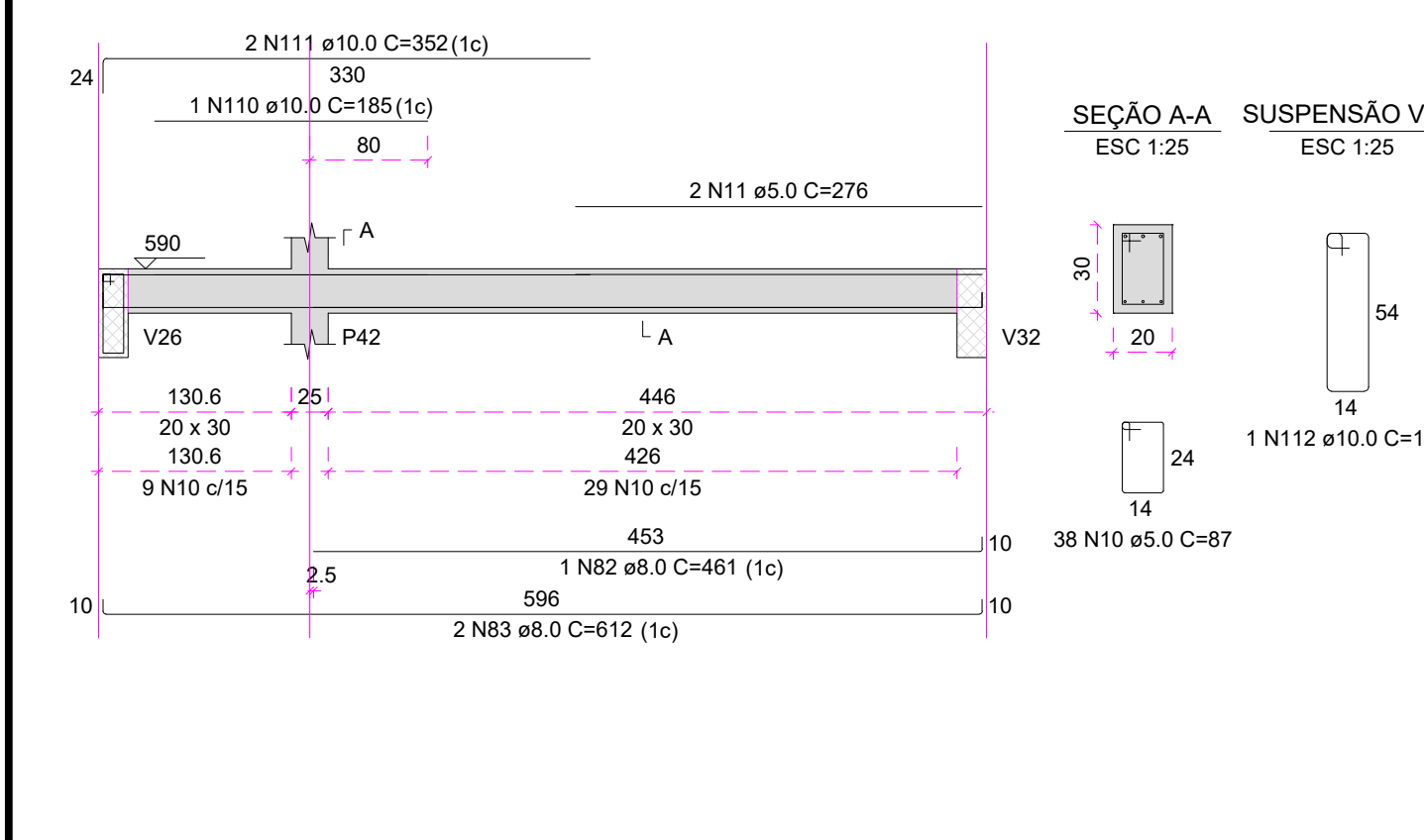
V6

ESC 1:50



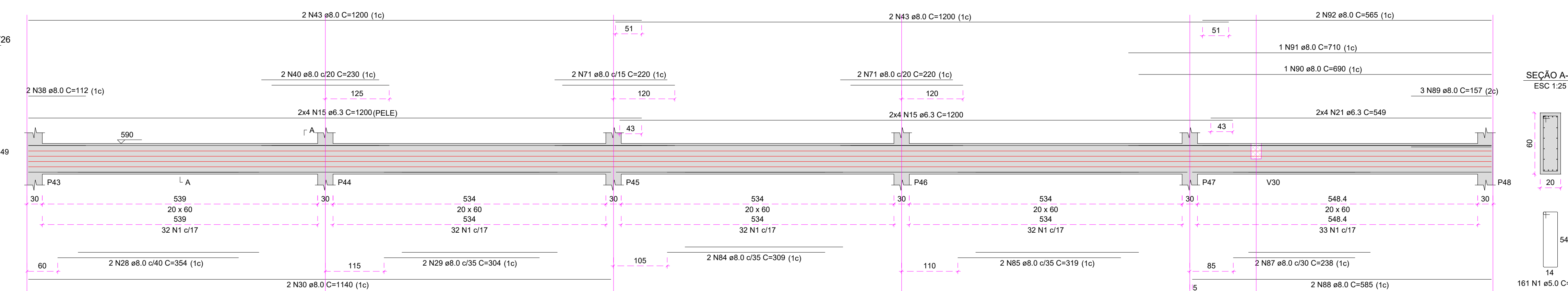
V11

ESC 1:50



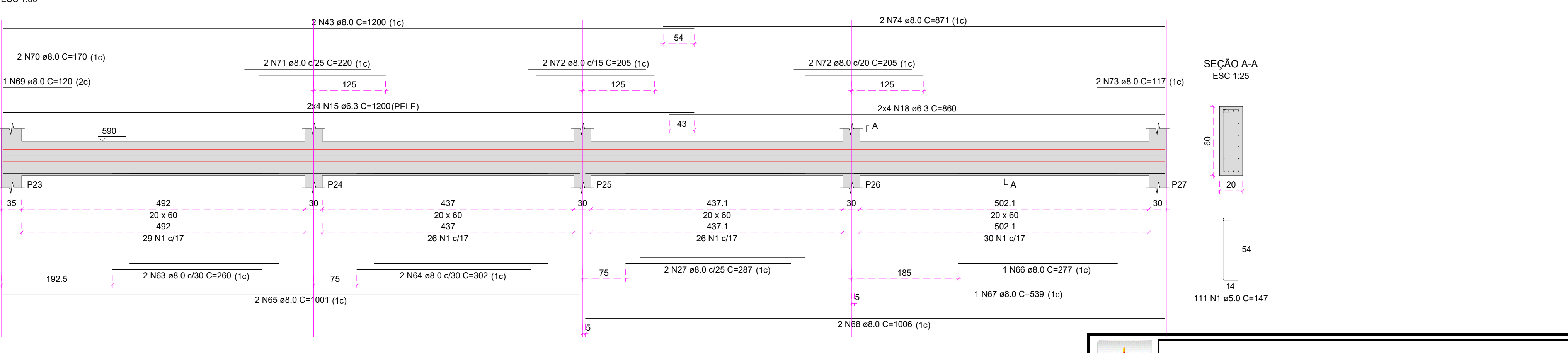
V12

ESC 1:50



V8

ESC 1:50

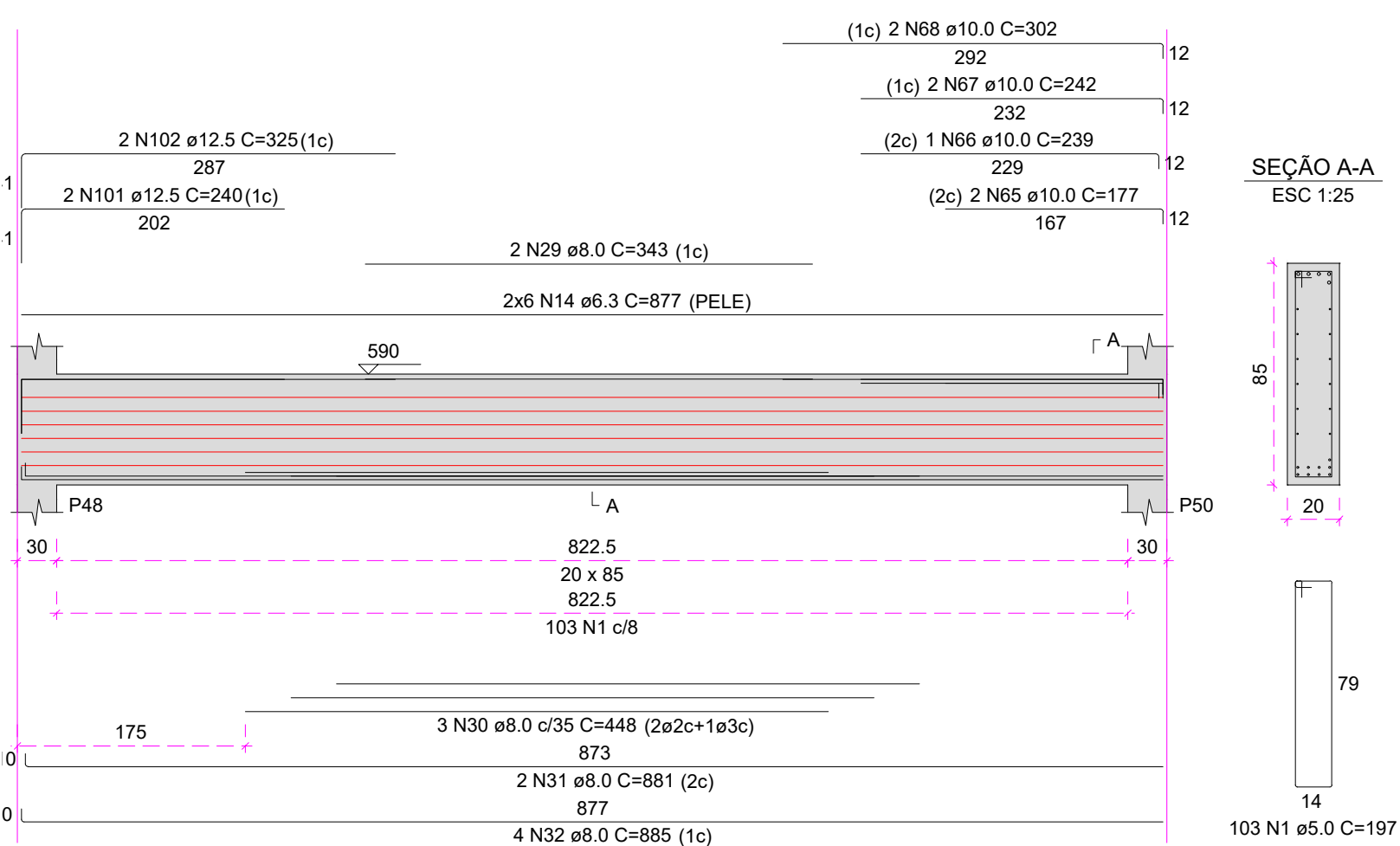


 GOVERNO DO ESTADO DE RONDÔNIA GOVERNO: Marcos José Rocha dos Santos			
 SECRETARIA DE ESTADO DA SEGURANÇA, DEFESA E CIDADANIA-SESEDC			
OBJETO CORPO DE BOMBEIROS MILITAR DE RONDONIA PROJ. ESTRUTURAL COMANDO GERAL DO CBMR			
ENDEREÇO AVENIDA GOVERNADOR JORGE TEIXEIRA S/Nº - INDUSTRIAL - PORTO VELHO - RO		LOCAL PORTO VELHO - RO	
CONTEÚDO PLANTAS ESTRUTURAIS PRELIMINARES E VIGAS - NÍVEL 0,15 E 0,70m 1º PAVIMENTO - NÍVEL 5,80m LEGENDAS		DATA 24/01/2025 PROCESSO 0004.014091/2024-14	
SUPERVISÃO DE PROJETOS ISLANDIO DANTAS CHAVES - ENG. ELETRICISTA C.R.E.A. 18.842/D-RO		ESCALA INDICADA PROJETO	
AUTORIA DO PROJETO HALEX ALBUQUERQUE C.R.E.A. 11550-D-RO		DESENHO EDUARDO HERRMANN - 1º SGT BM	
RESPONSÁVEL TÉCNICO PELA OBRA		ETAPA DO PROJETO BÁSICO	
PRANCHAS		30	
QUADRO DE ÁREAS Área a Construir		3.005,91 m²	
Observação:			
REV.	MODIFICAÇÃO	DATA	PROJETISTA
01			
02			
03			
ESPAÇO PARA PREFEITURA E C.R.E.A.			



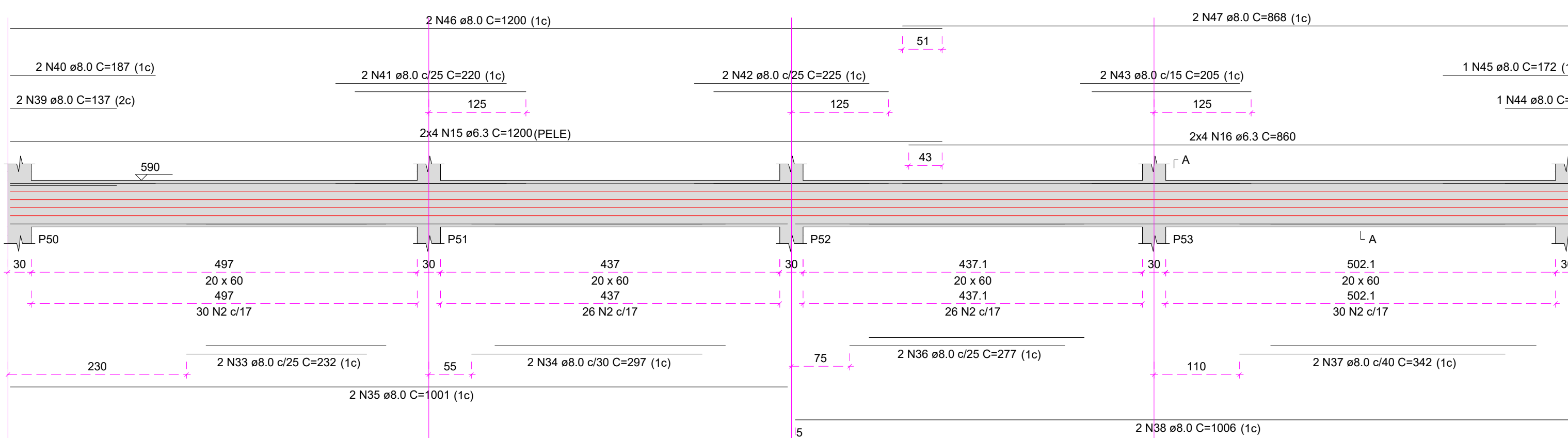
V13

ESC 1:50



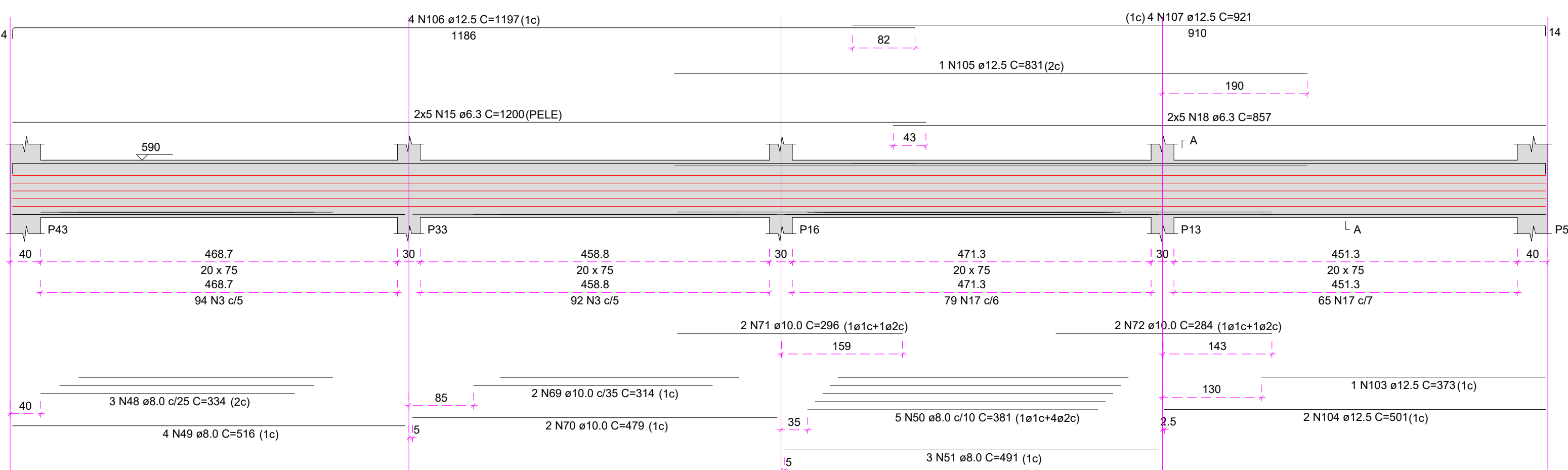
V14

ESC 1:50



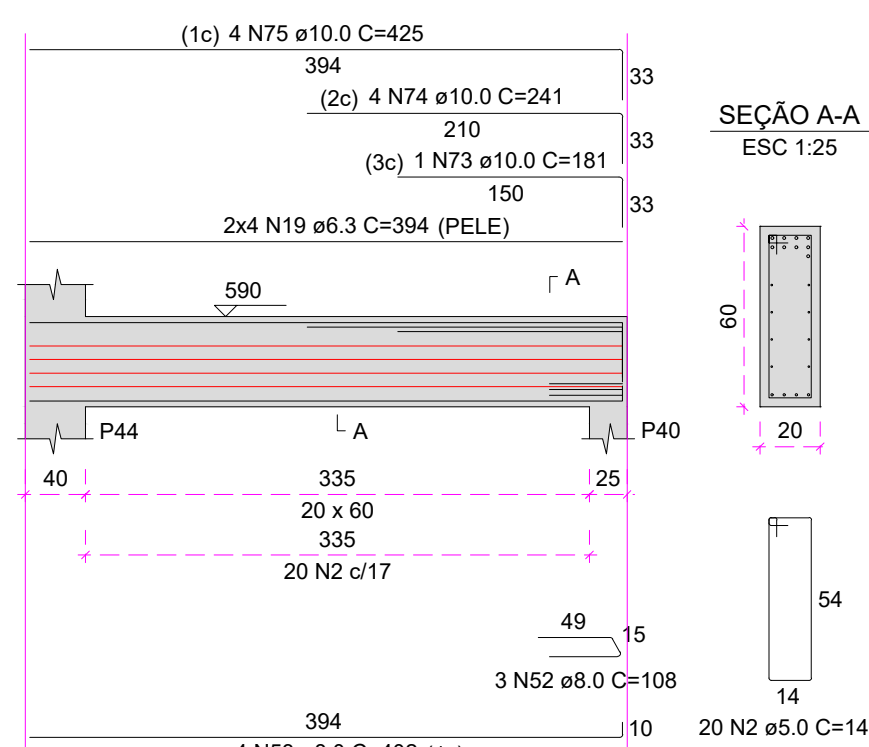
V15

ESC 1:50



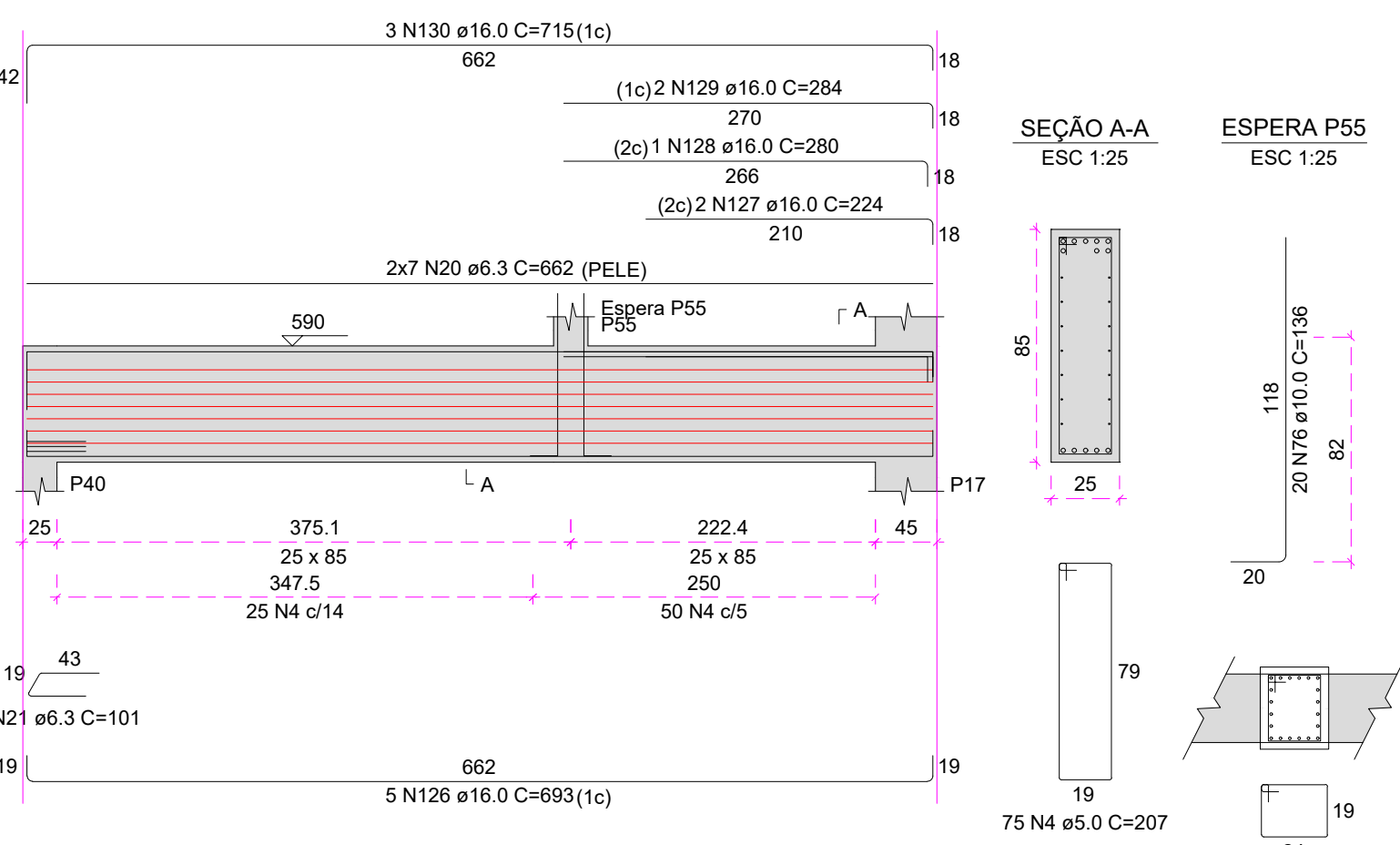
V16

ESC 1:50



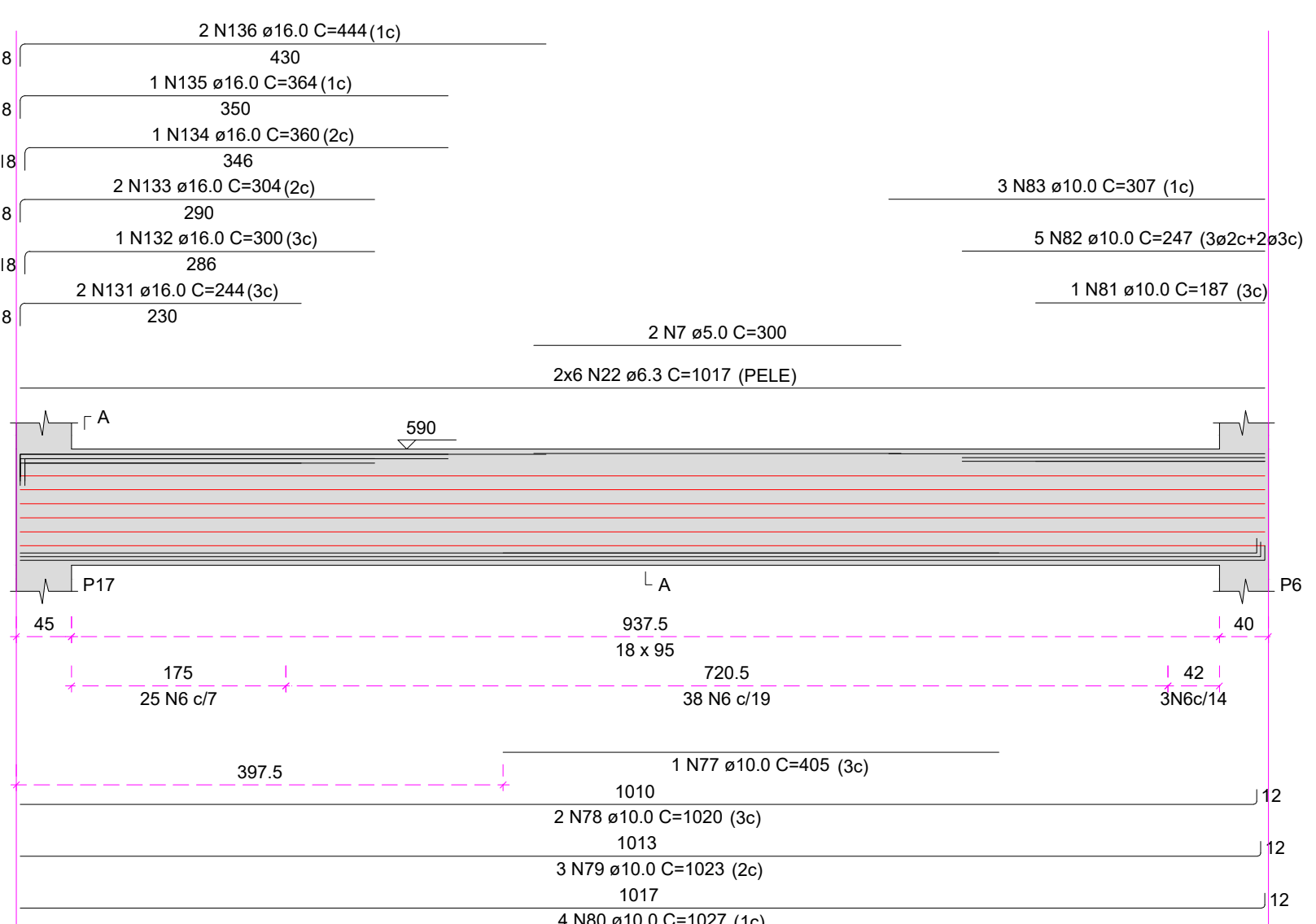
V17

ESC 1:50



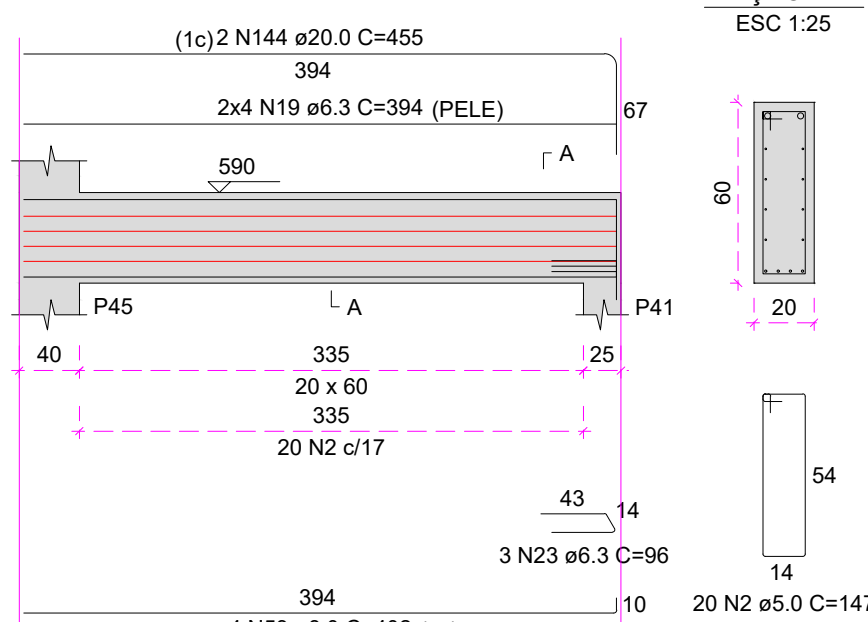
V18

ESC 1:50



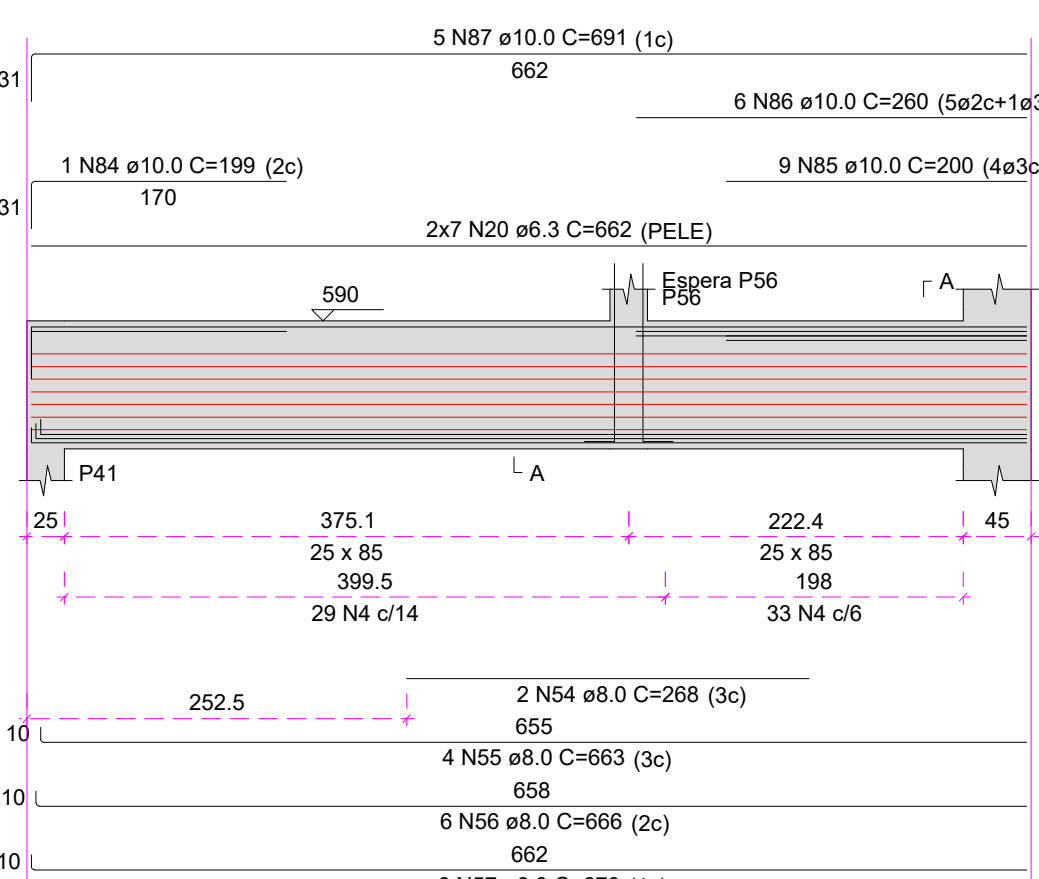
V19

ESC 1:50



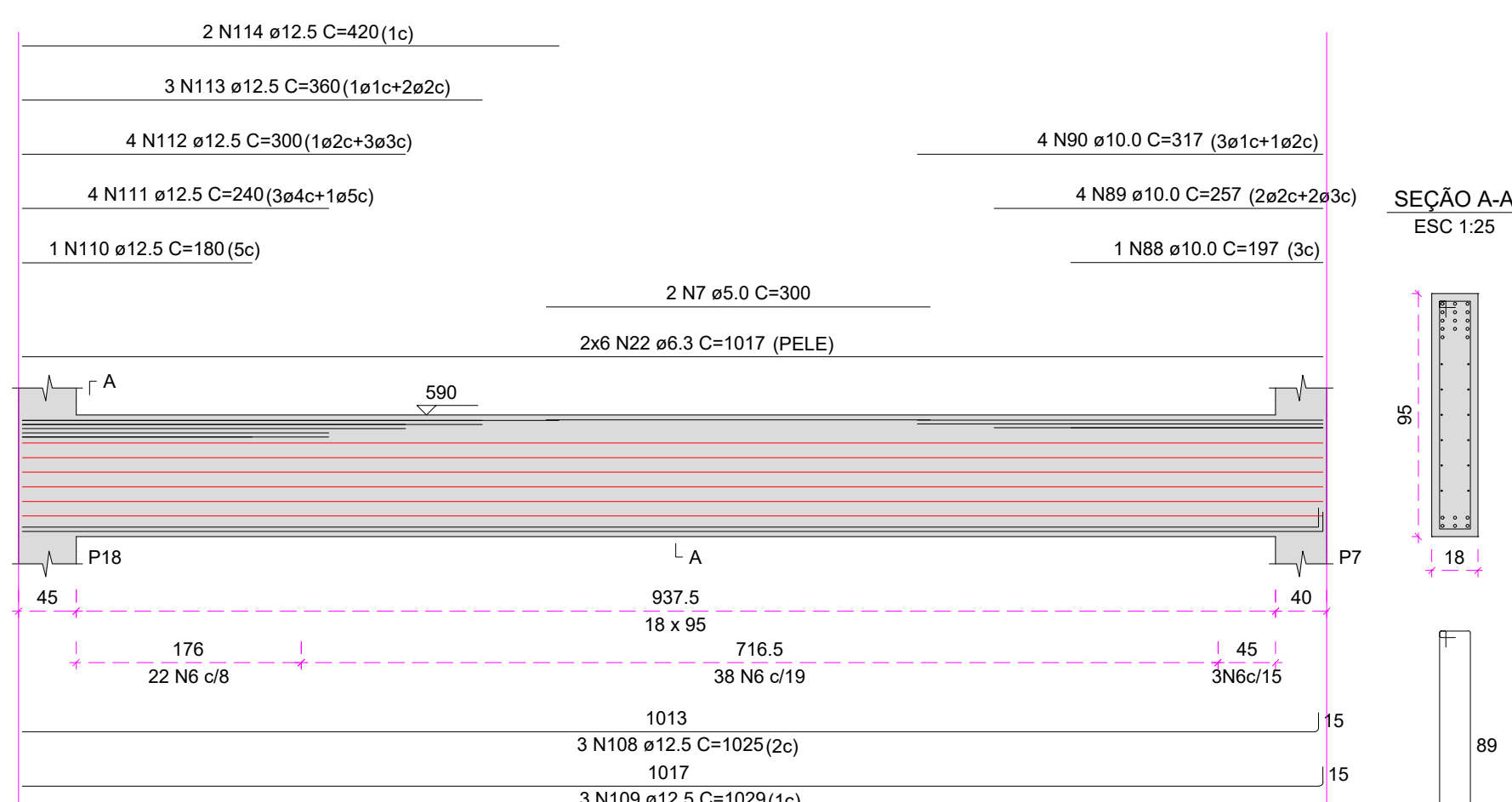
V20

ESC 1:50



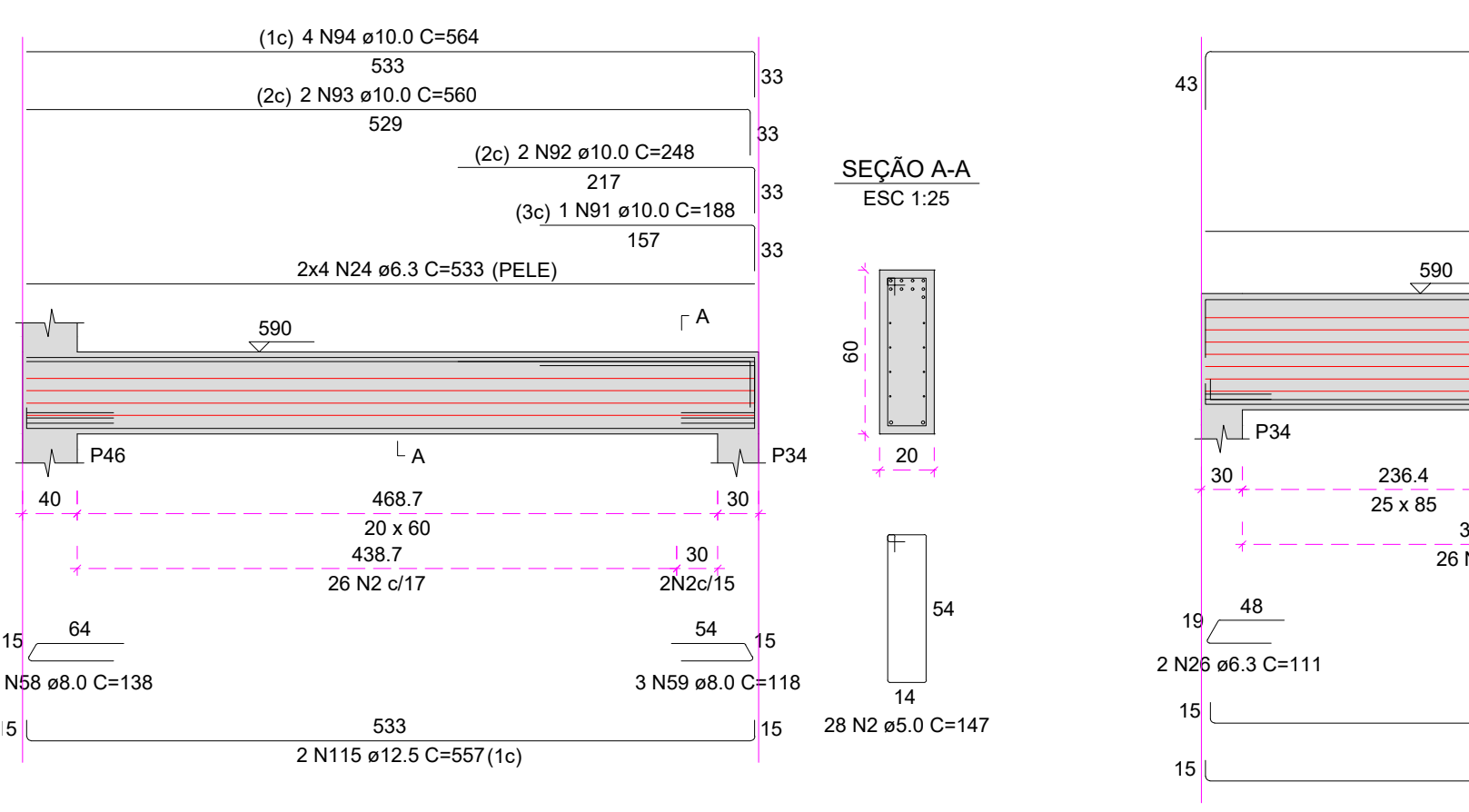
V21

ESC 1:50



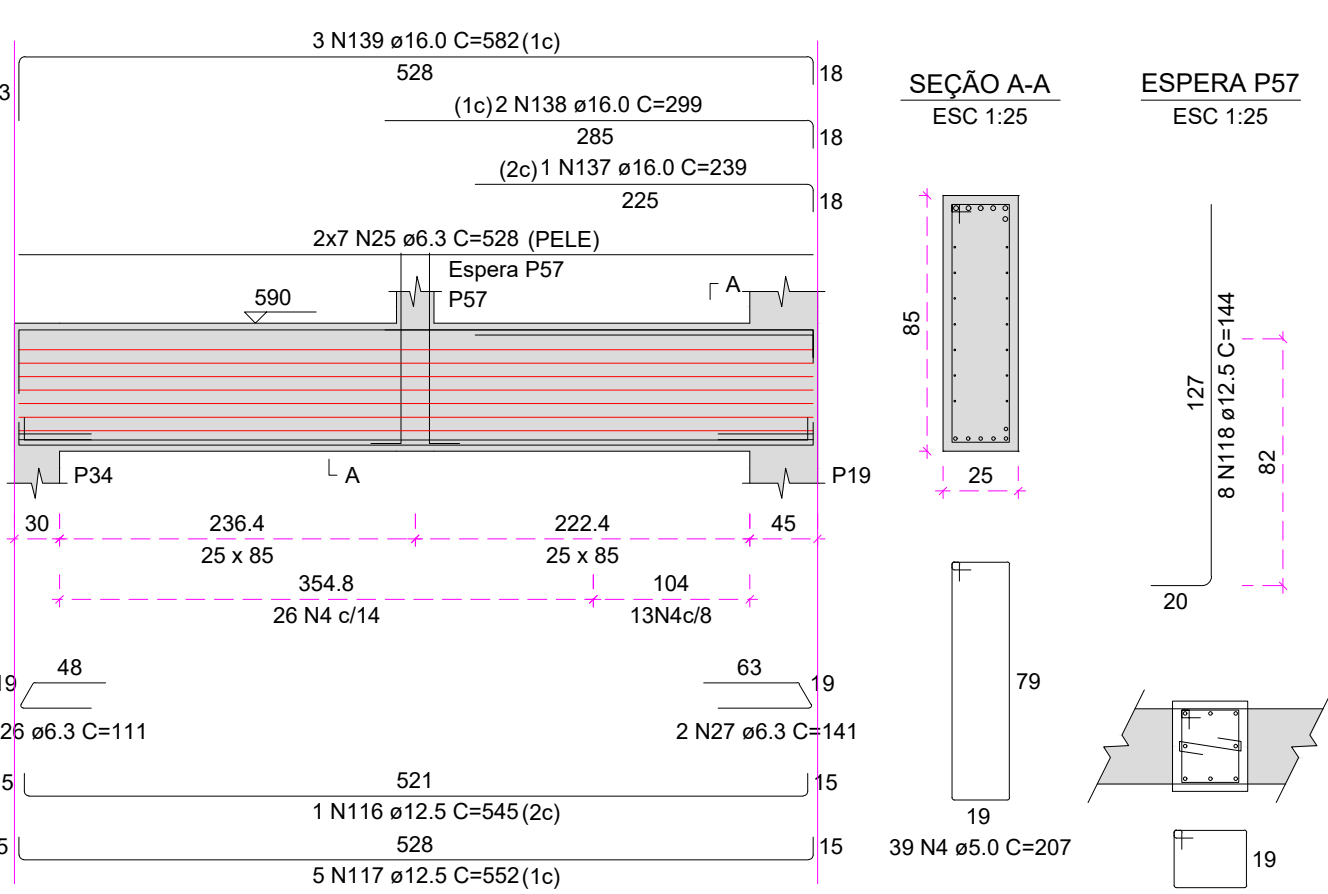
V22

ESC 1:50



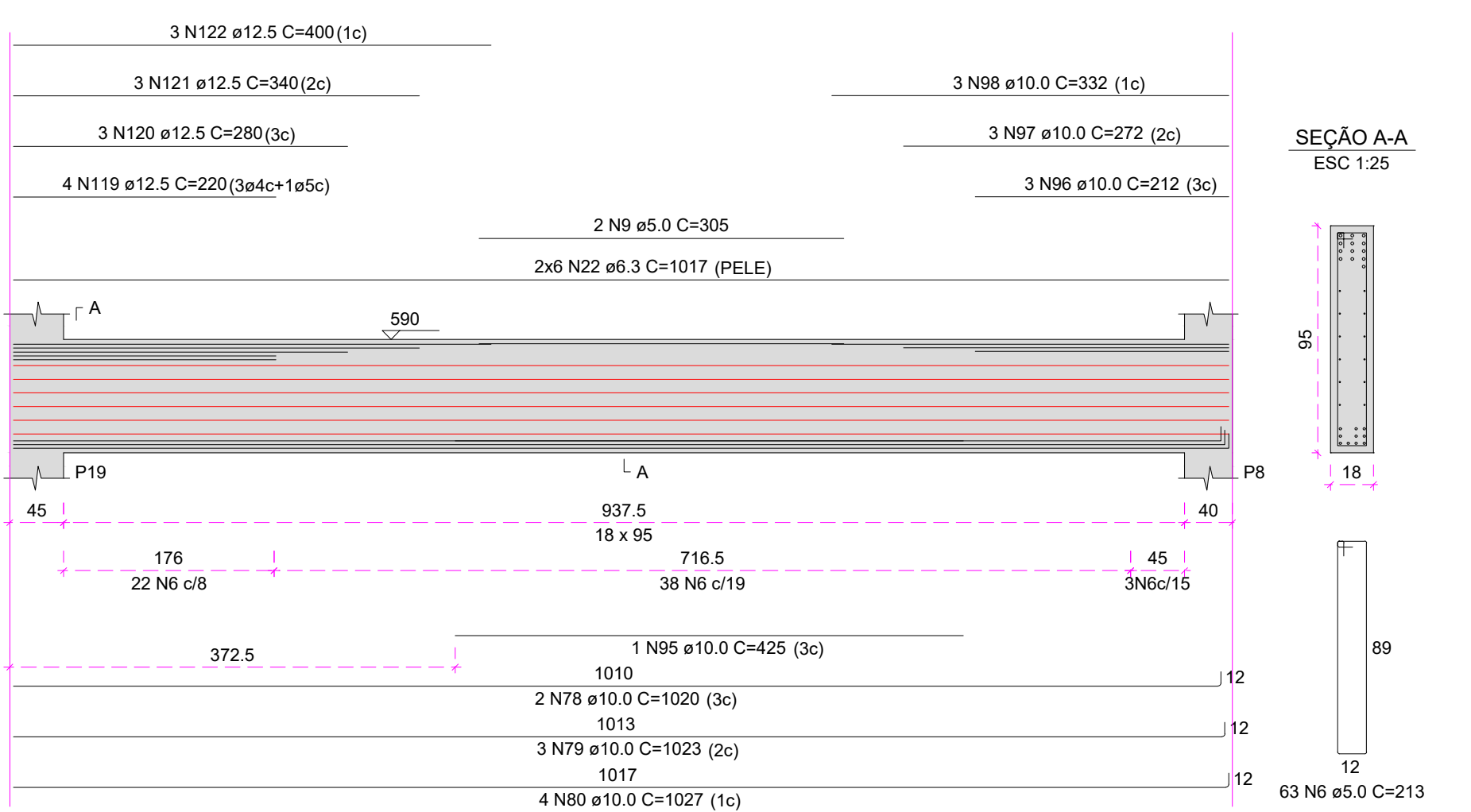
V23

ESC 1:50



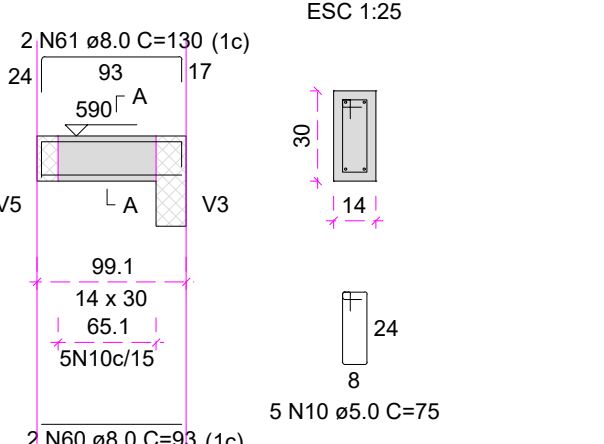
V24

ESC 1:50



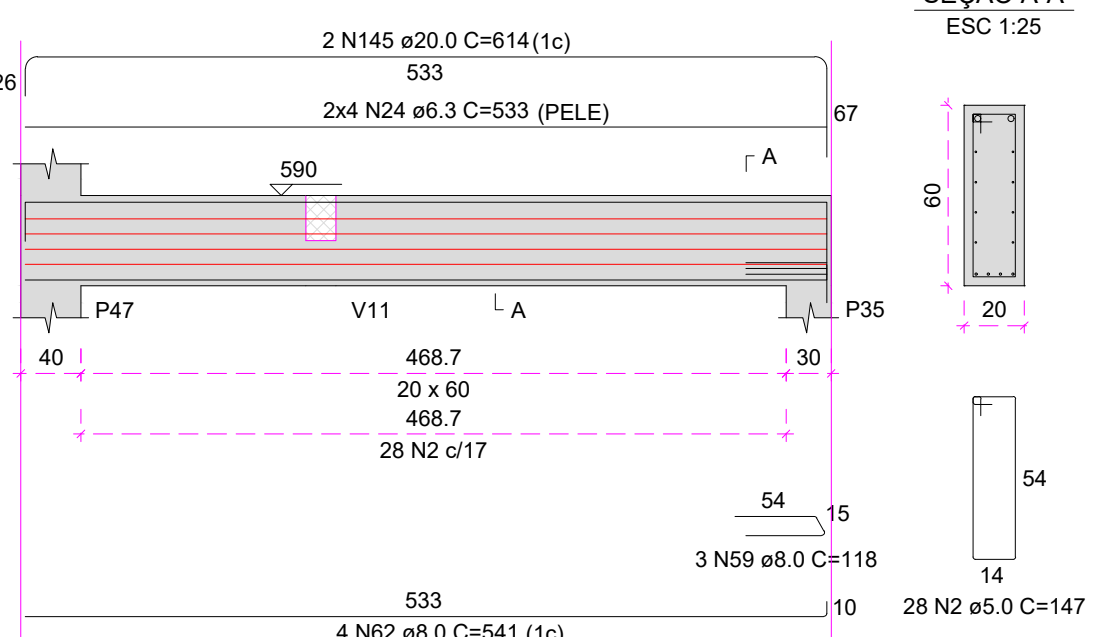
V25

ESC 1:50



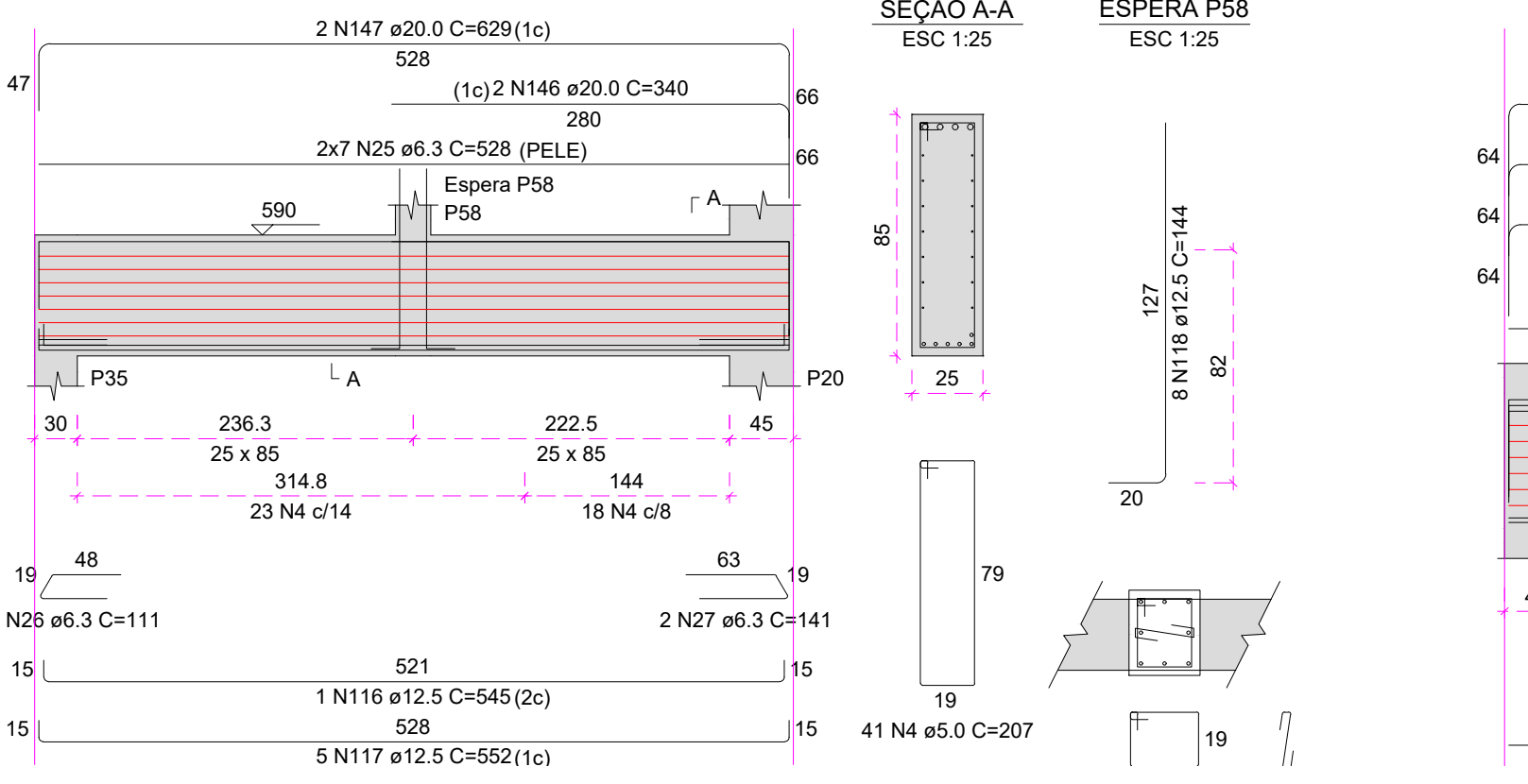
V26

ESC 1:50



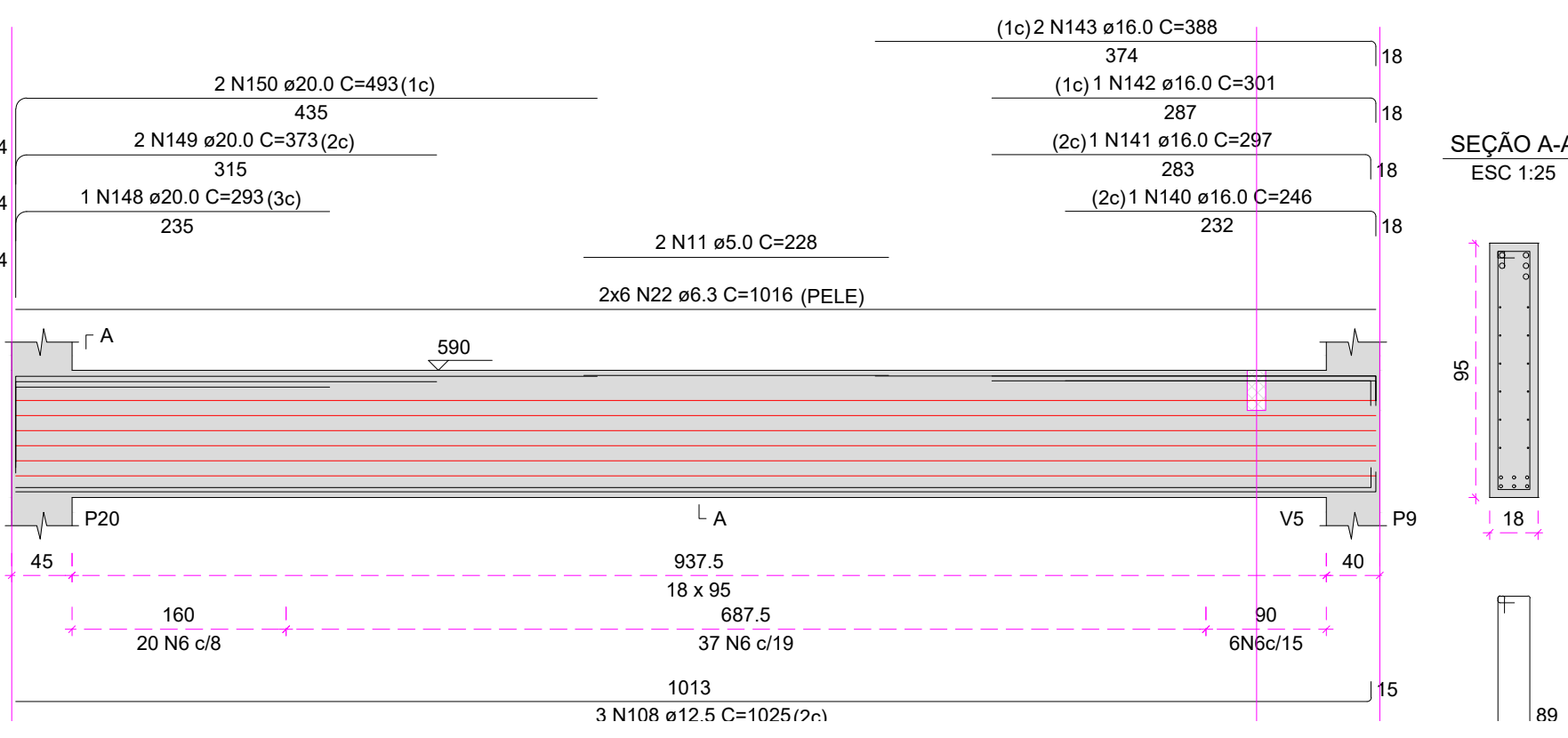
V27

ESC 1:50



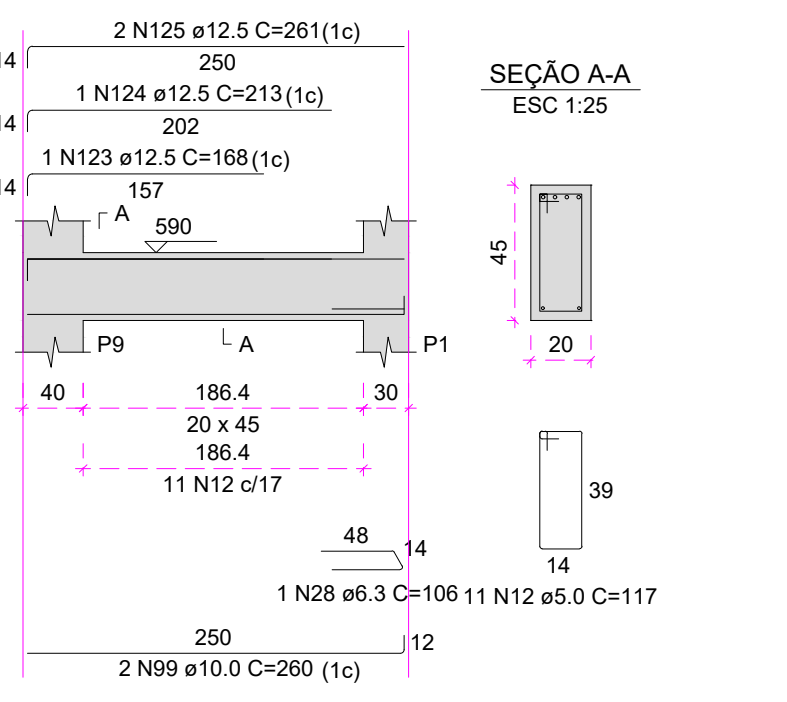
V28

ESC 1:50



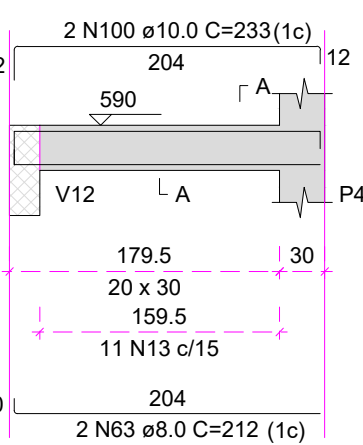
V29

ESC 1:50



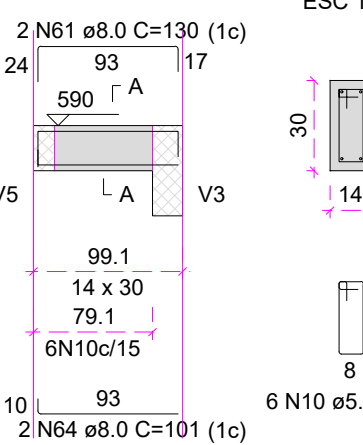
V30

ESC 1:50



V31

ESC 1:50



RELACÃO DO AÇO

ACO	N	DIAM (mm)	QUANT	CUMIT (cm)	C TOTAL (mm)
CA60	1	5.0	103	197	20291
	2	5.0	298	147	36276
	3	5.0	196	177	33922
	4	5.0	217	207	44918
	5	5.0	28	97	2716
	6	5.0	255	213	54315
	7	5.0	4	300	1200
	8	5.0	14	34	476
	9	5.0	2	305	610
	10	5.0	11	75	825
CA50	11	5.0	2	228	456
	12	5.0	11	117	1287
	13	5.0	11	87	957
	14	5.0	12	877	10524
	15	6.3	18	1200	21600
	16	6.3	8	860	6880
	17	6.3	144	178	25632
	18	6.3	10	857	8570
	19	6.3	16	394	6304
	20	6.3	28	662	18536
	21	6.3	48	1017	48816
	22	6.3	16	53	8528
	23	6.3	3	36	108
	24	6.3	28	538	14754
	25	6.3	4	111	444
	26	6.3	1	106	106
	27	6.3	1	88	88
	28	6.3	1	106	106
	29	6.3	3	448	1344
	30	8.0	3	448	1344
	31	8.0	3	448	1344
	32	8.0	4	885	3540
	33	8.0	2	297	594
	34	8.0	2	297	594
	35	8.0	2	1034	2068
	36	8.0	2	277	554
	37	8.0	2	277	554
	38	8.0	2	1006	2012
	39	8.0	2	137	274
	40	8.0	2	187	374
	41	8.0	2	220	440
	42	8.0	2	225	450
	43	8.0	2	258	516
	44	8.0	1	92	92
	45	8.0	1	172	172
	46	8.0	2	1200	2400
	47	8.0	2	888	1776
	48	8.0	3	334	1002
	49	8.0	3	516	1548
	50	8.0	5	381	1905
	51	8.0	4	402	1608
	52	8.0	3	108	324
	53	8.0	4	402	1608
	54	8.0	2	268	536
	55	8.0	1	663	663
	56	8.0	6	606	3636
	57	8.0	6	670	4020
	58	8.0	3	138	414
	59	8.0	6	118	708
	60	8.0	2	93	186
	61	8.0	2	93	186
	62	8.0	4	541	2164
	63	8.0	4	212	848
	64	8.0	2	101	202
	65	8.0	2	239	478
	66	10.0	1	242	242
	67	10.0	2	314	628
	68	10.0	2	302	604
	69	10.0	2	314	628
	70	10.0	2	478	956
	71	10.0	2	296	592
	72	10.0	2	294	588
	73	10.0	1	181	181
	74	10.0	4	241	964
	75	10.0	4	425	1700
	76	10.0	1	136	136
	77	10.0	1	405	405
	78	10.0	4	1020	4080
	79	10.0	6	1023	6138
	80	10.0	6	1027	6162
	81	10.0	1	157	157
	82	10.0	5	307	1535
	83	10.0	5	199	995
	84	10.0	5	199	995
	85	10.0	9	200	1800
	86	10.0	5	197	985
	87	10.0	5	691	3455
	88	10.0	5	197	985
	89	10.0	4	257	1028
	90	10.0	4	317	1268
	91	10.0	1	188	188
	92	10.0	1	188	188
	93	10.0	2	580	1160
	94	10.0	2	580	1160
	95	10.0	1	435	435
	96	10.0	1	212	212
	97	10.0	3	272	816
	98	10.0	3	272	816
	99	10.0	2	260	520
	100	12.5	1	331	331
	101	12.5	2	240	480
	102	12.5	1	331	331
	103	12.5	1	373	373
	104	12.5	1	501	1002
	105	12.5	1	831	831
	106	12.5	1	1187	1187
	107	12.5	4	921	3684
	108	12.5	6	1025	6150
	109	12.5	6	1029	6174
	110	12.5	1	180	180
	111	12.5	4	240	960
	112	12.5	1	300	1200
	113	12.5	3	300	1080
	114	12.5	4	420	1680
	115	12.5	2	557	1114
	116	12.5	1	545	545
	117	12.5	10	552	5520
	118	12.5	6	144	864
	119	12.5	4	220	880
	120	12.5	1	280	280
	121	12.5	3	340	1020
	122	12.5	5	400	2000
	123	12.5	1	168	168
	124	12.5	1	213	213
	125	12.5	2	261	522
	126	16.0	2	693	3465
	127	16.0	2	224	448
	128	16.0	2	280	560
	129	16.0	2	294	588
	130	16.0	2	294	588
	131	16.0	2	244	488
	132	16.0	1	300	300
	133	16.0	2	304	608
	134	16.0	1	300	300
	135	16.0	1	364	364
	136	16.0	2	444	888
	137	16.0	1	229	229
	138	16.0	2	299	598
	139	16.0	1	582	582
	140	16.0	1	246	246
	141	16.0	1	297	297
	142	16.0	1	301	301
	143	16.0	1	301	301
	144	20.0	2	455	910
	145	20.0	2	455	910
	146	20.0	2	340	680
	147	20.0	2	340	680
	148	20.0	1	293	293
	149	20.0	1	173	173
	150	20.0	2	493	986

RESUMO DO AÇO

ACO	DIAM (mm)	C TOTAL (m)	PESO + 0% (kg)
CASO	6.3	1718.7	420.6
	8.0	458	180.7
	10.0	513.2	216.4
	12.5	432.6	416.7
	16.0	141.2	222.9
	20.0	61	150.5
CASO	6.3	1915.5	295.2

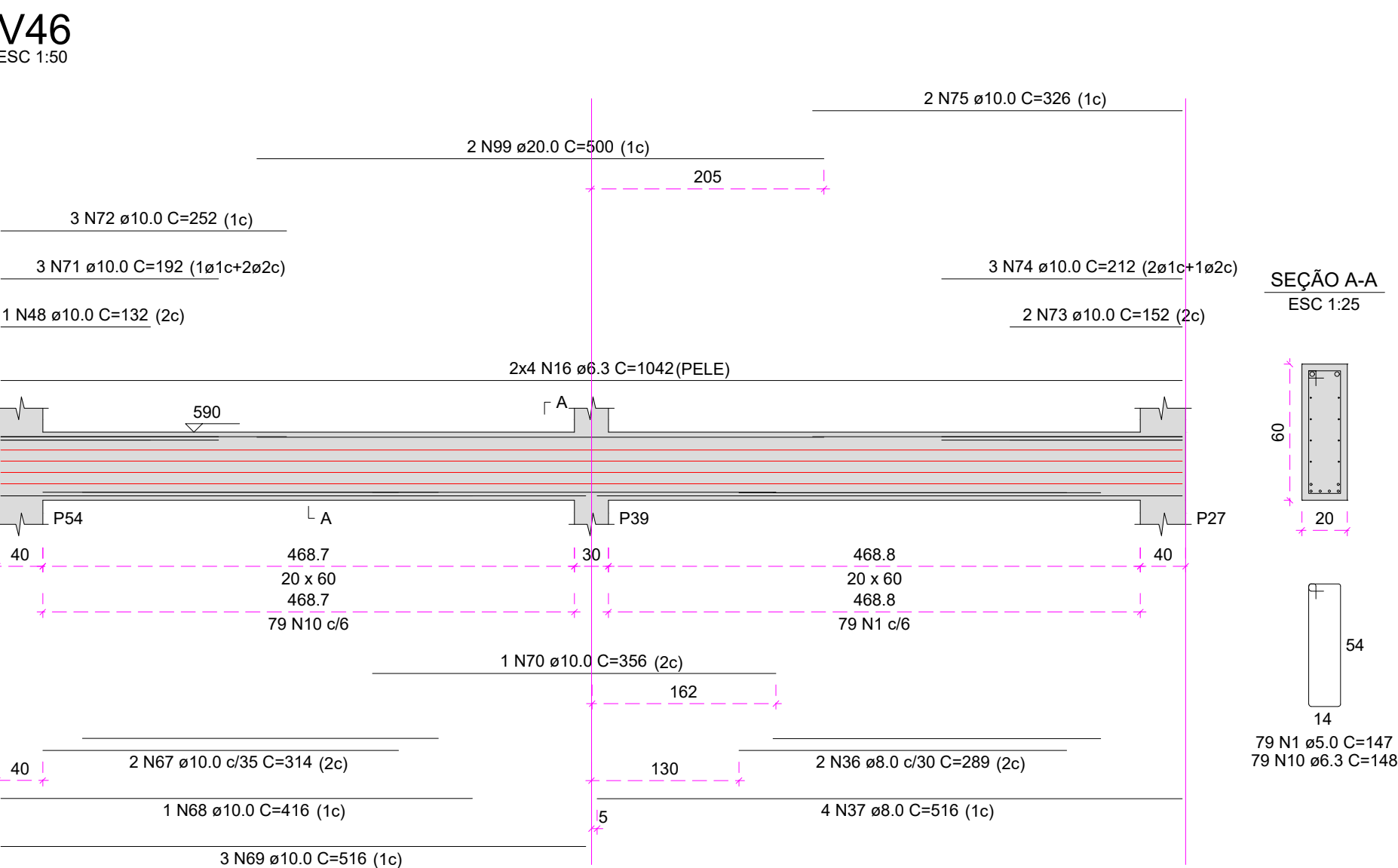
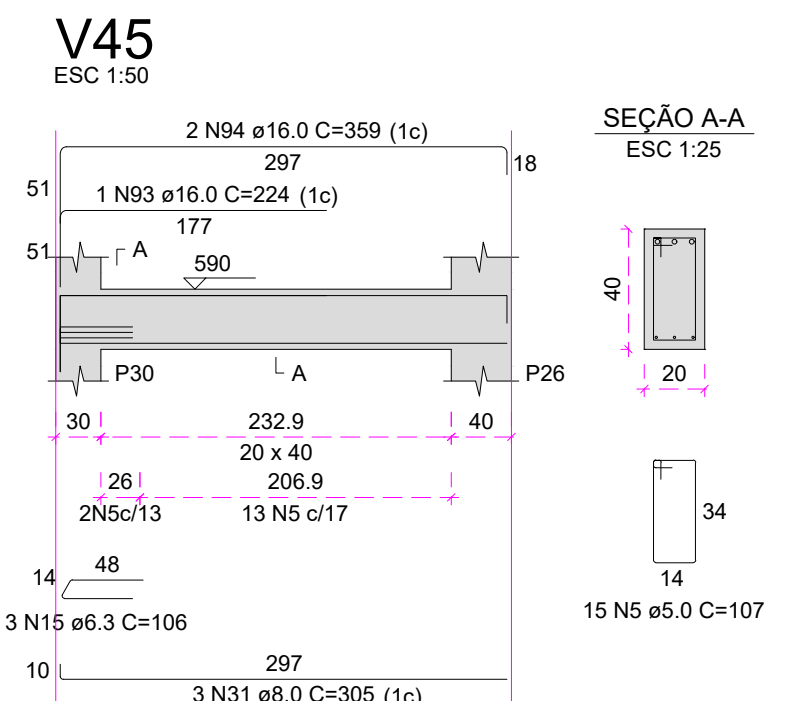
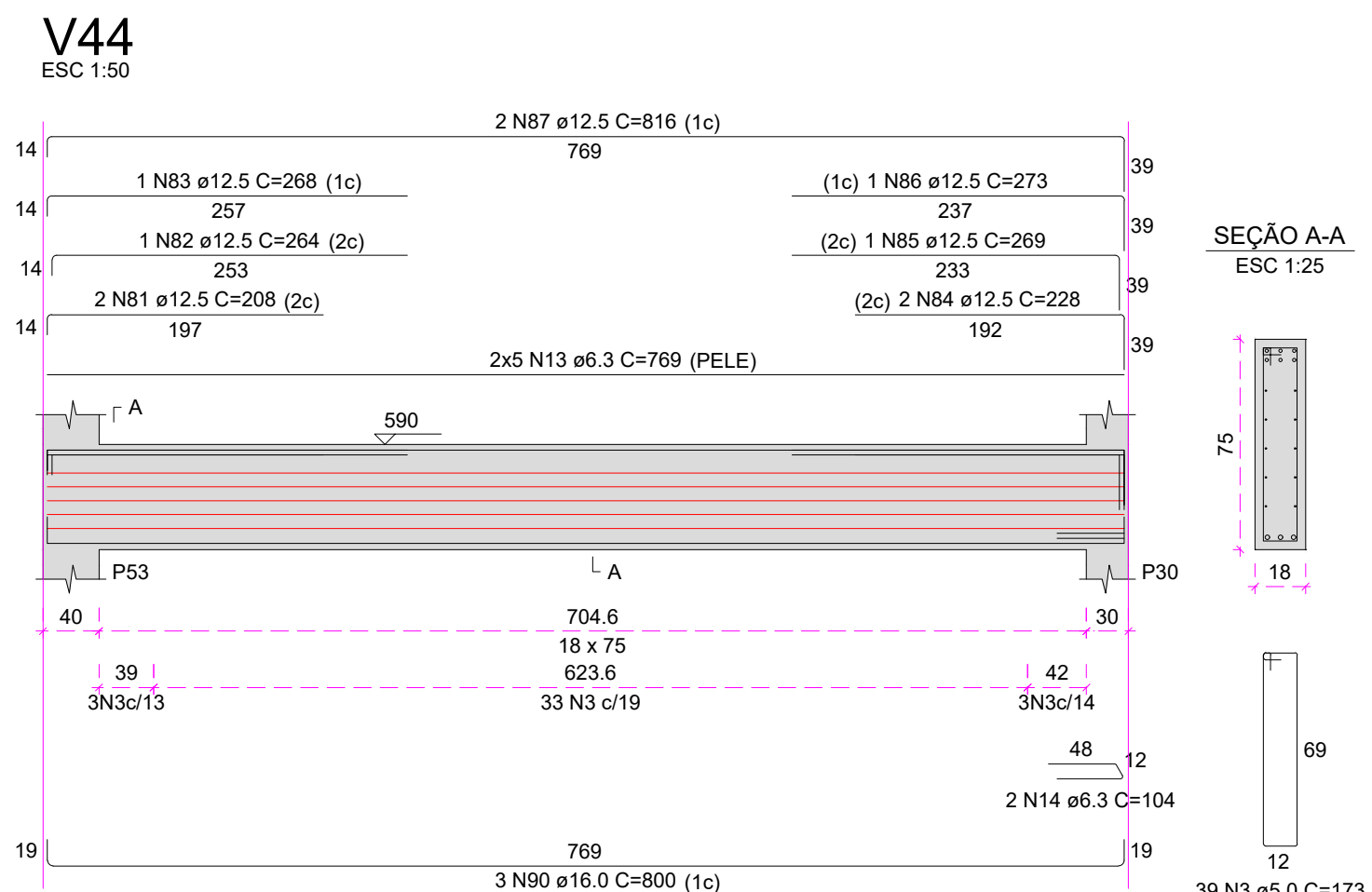
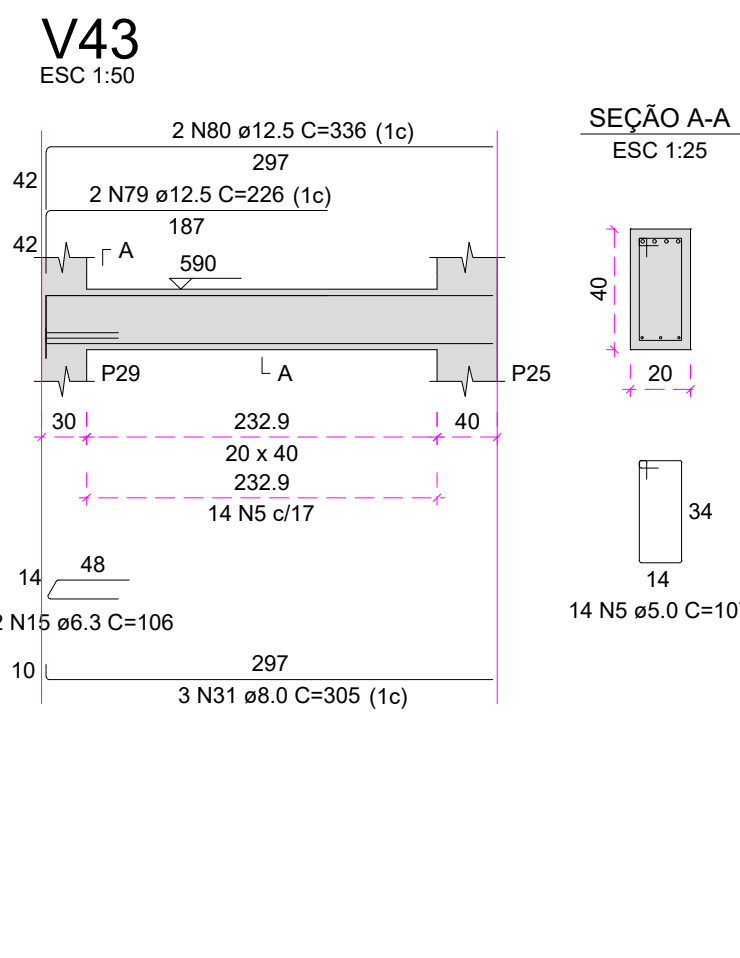
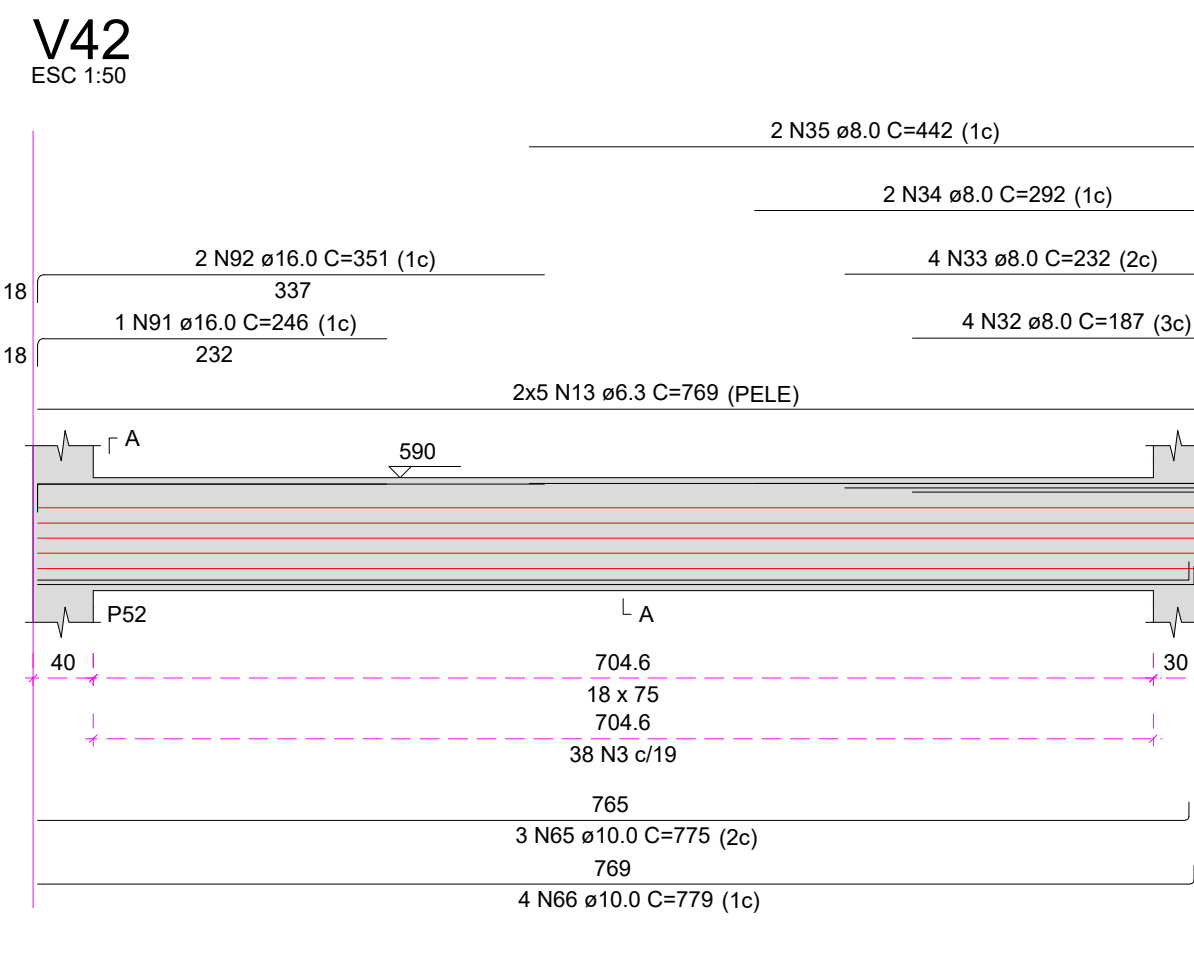
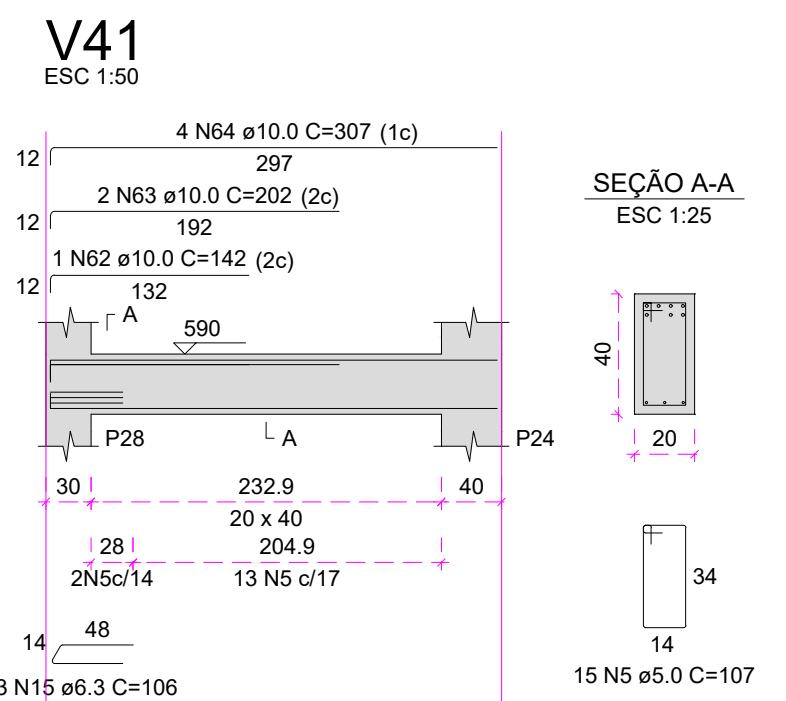
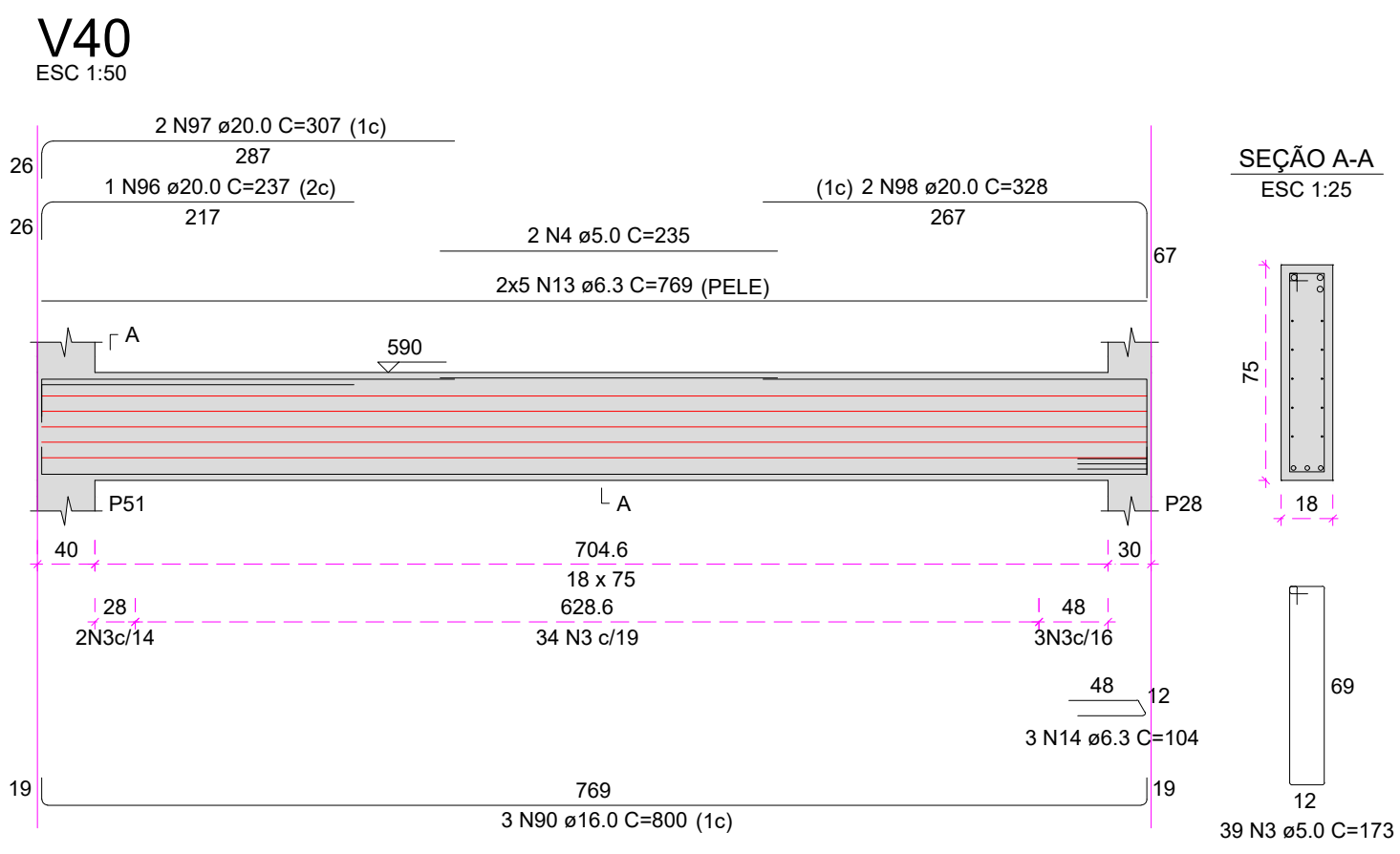
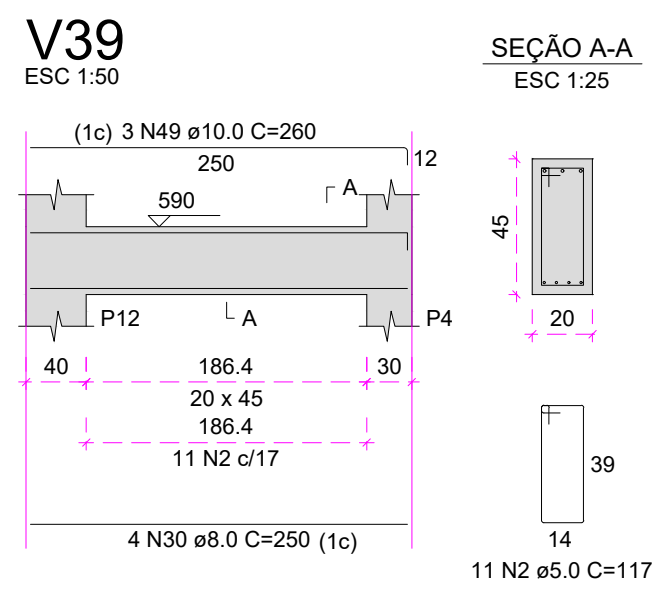
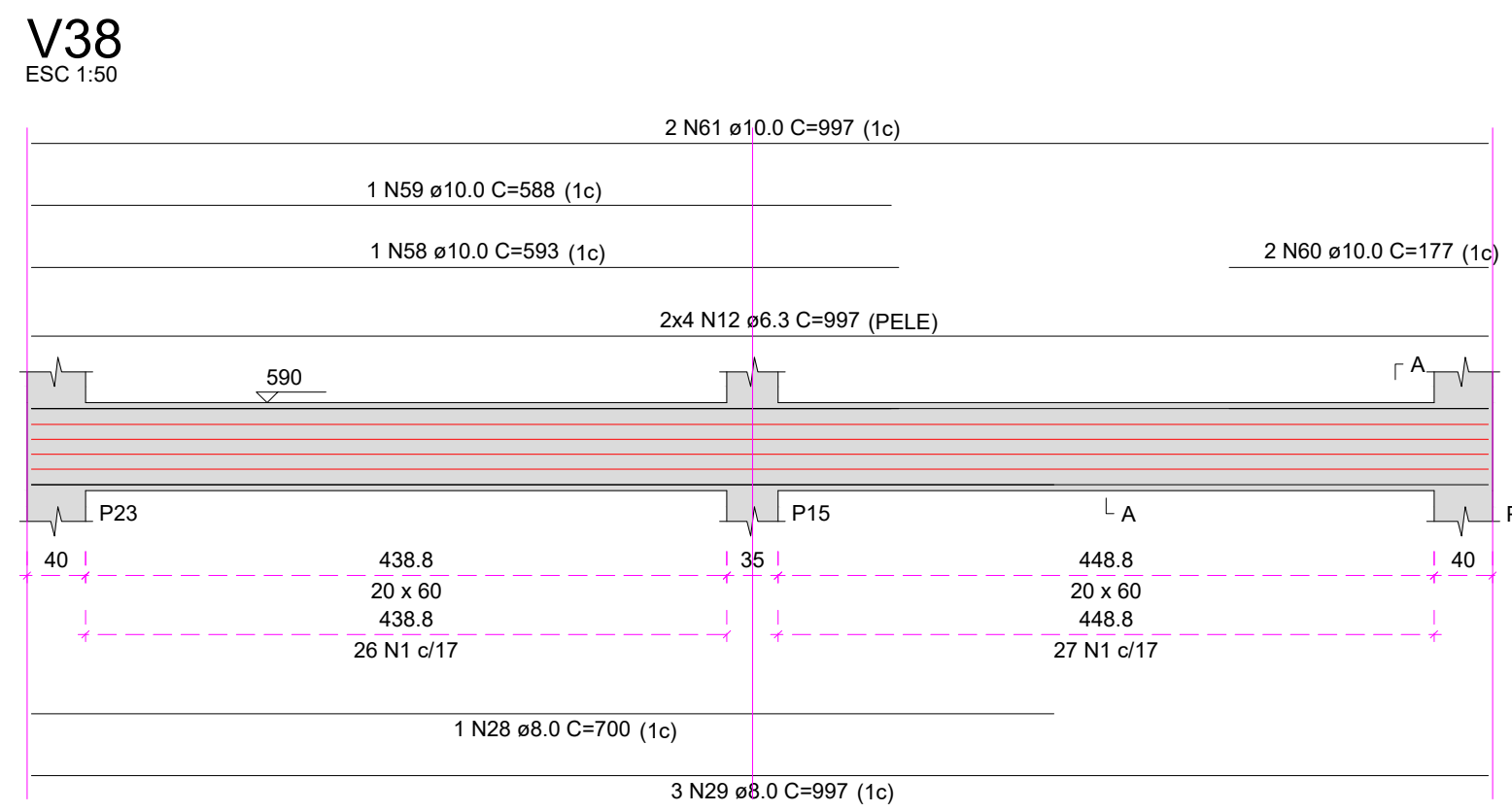
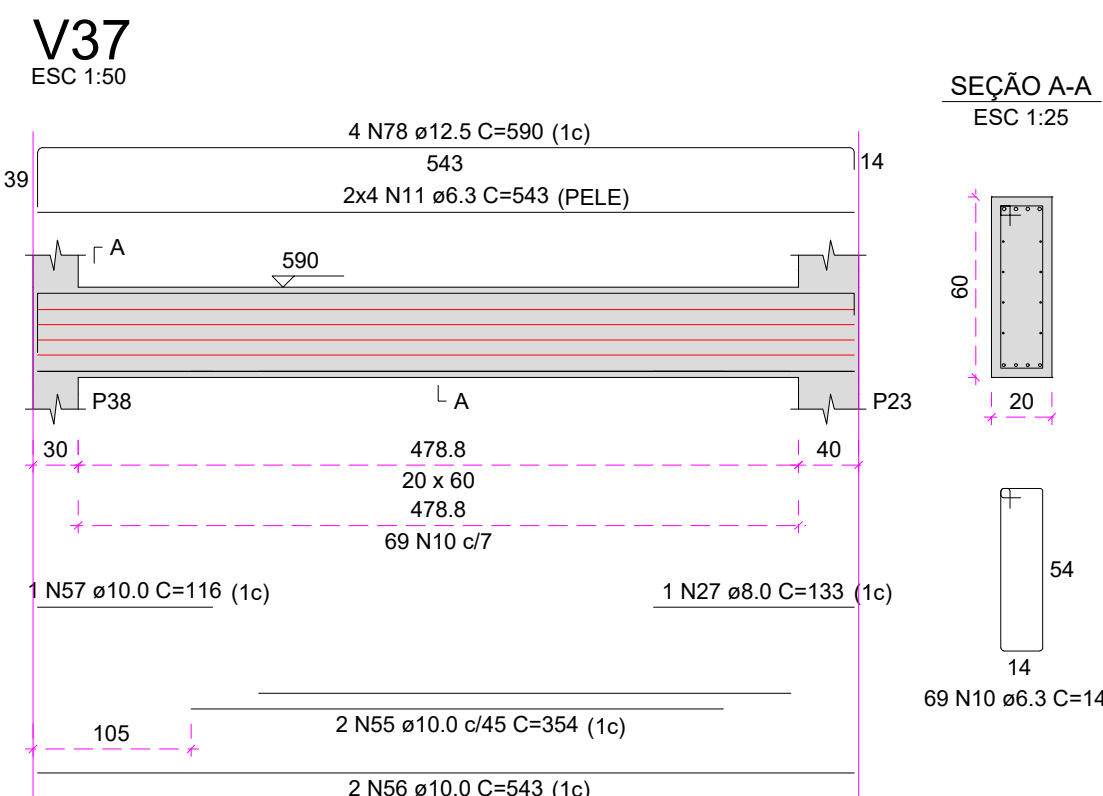
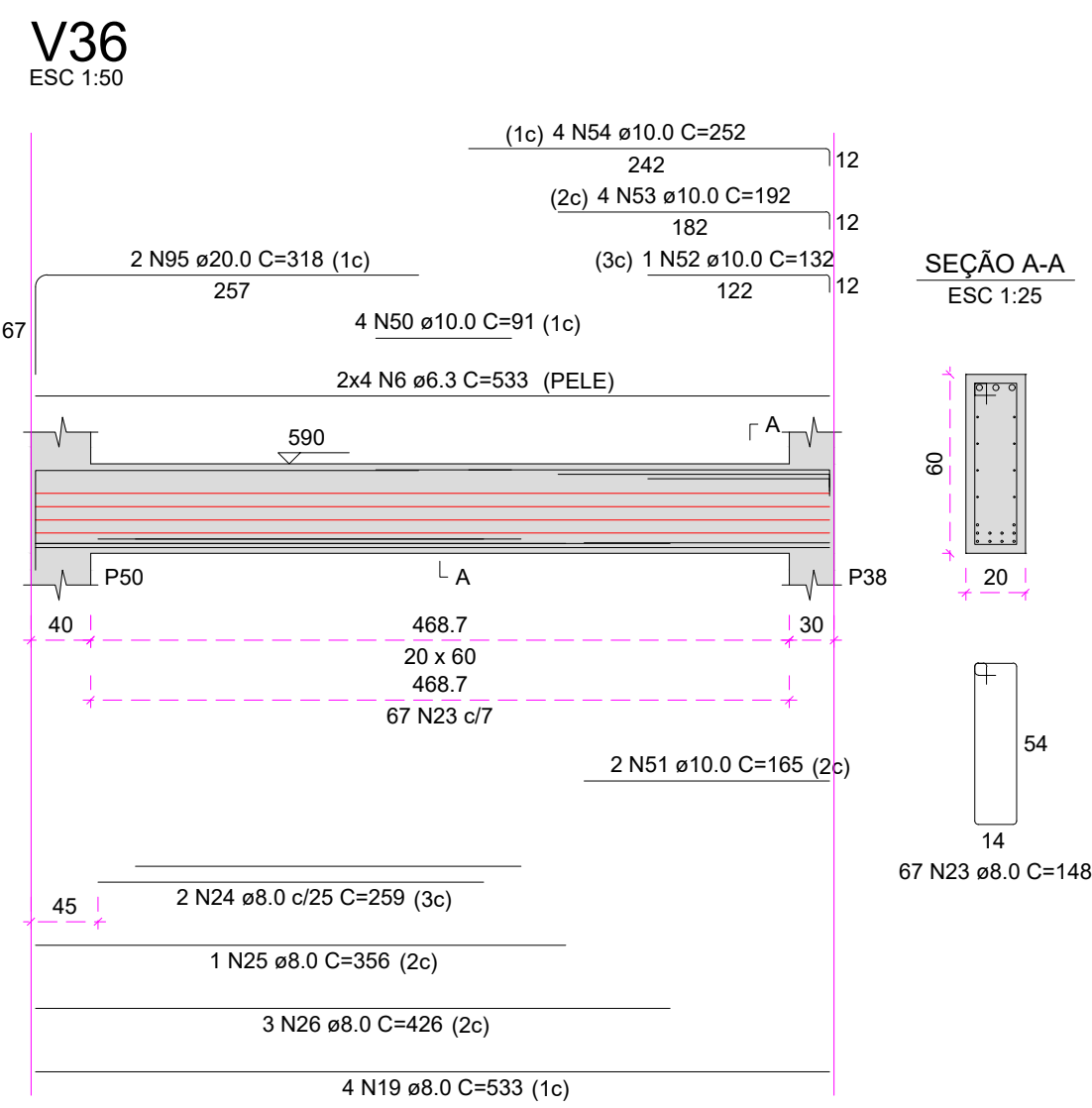
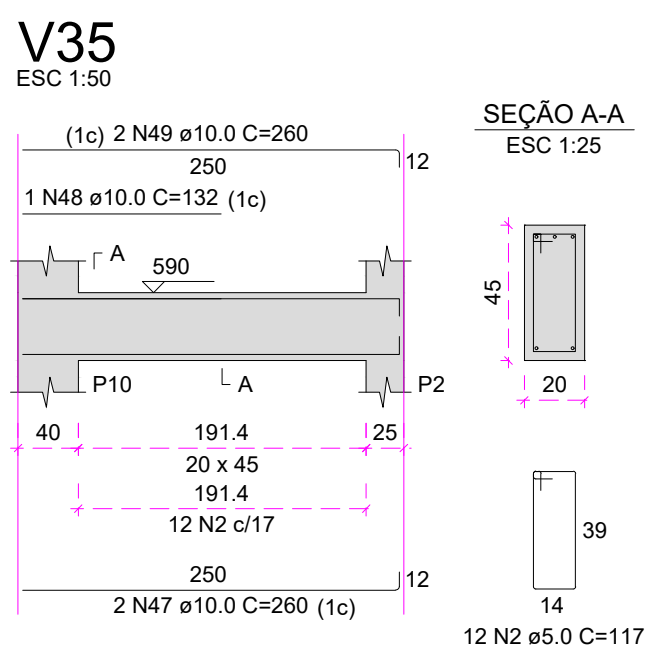
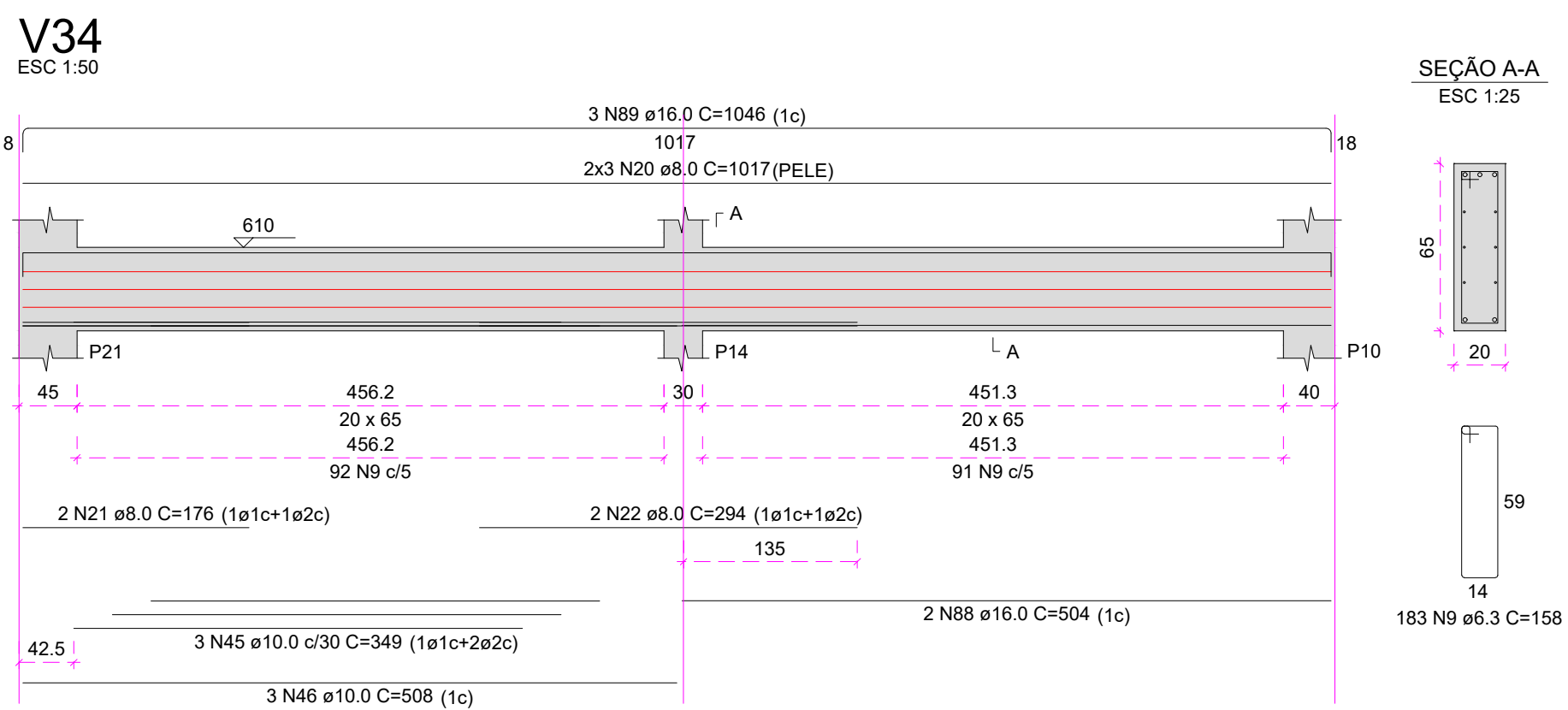
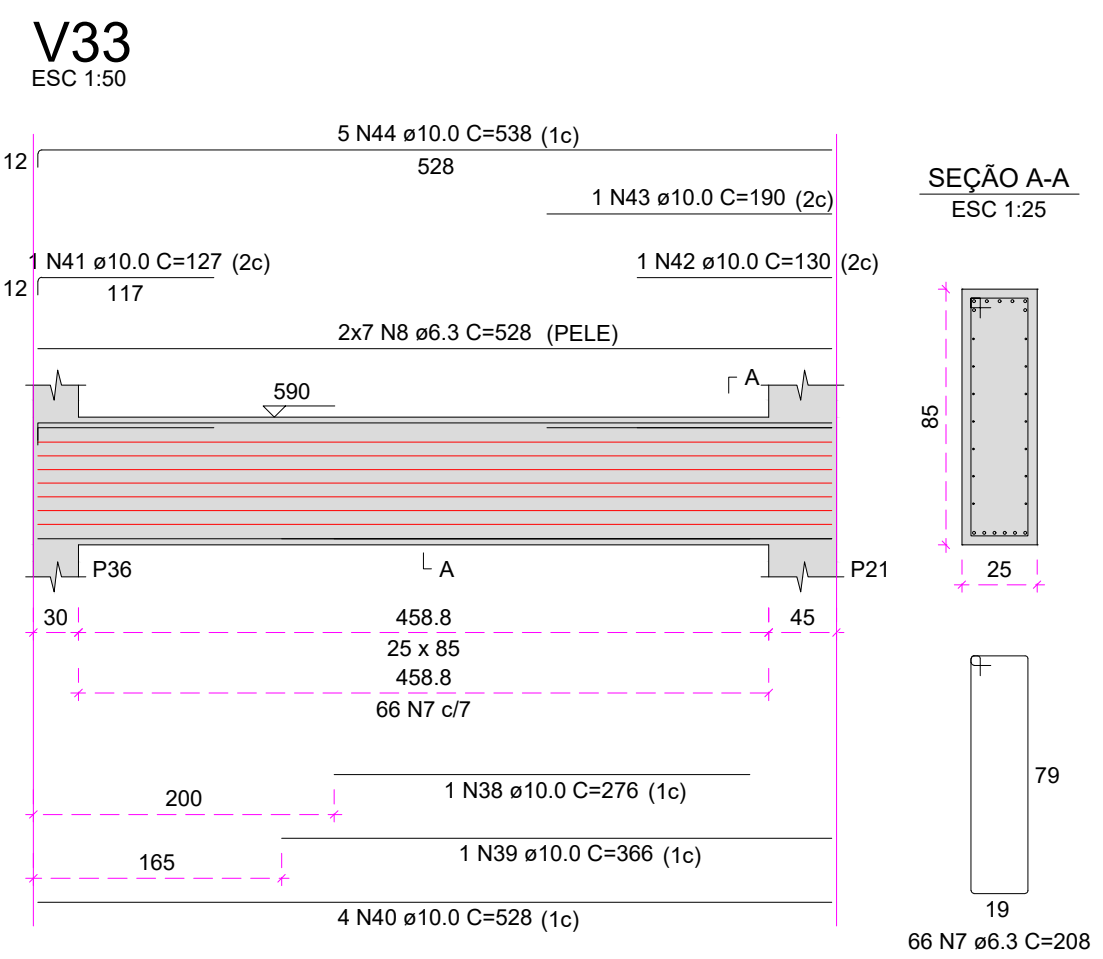
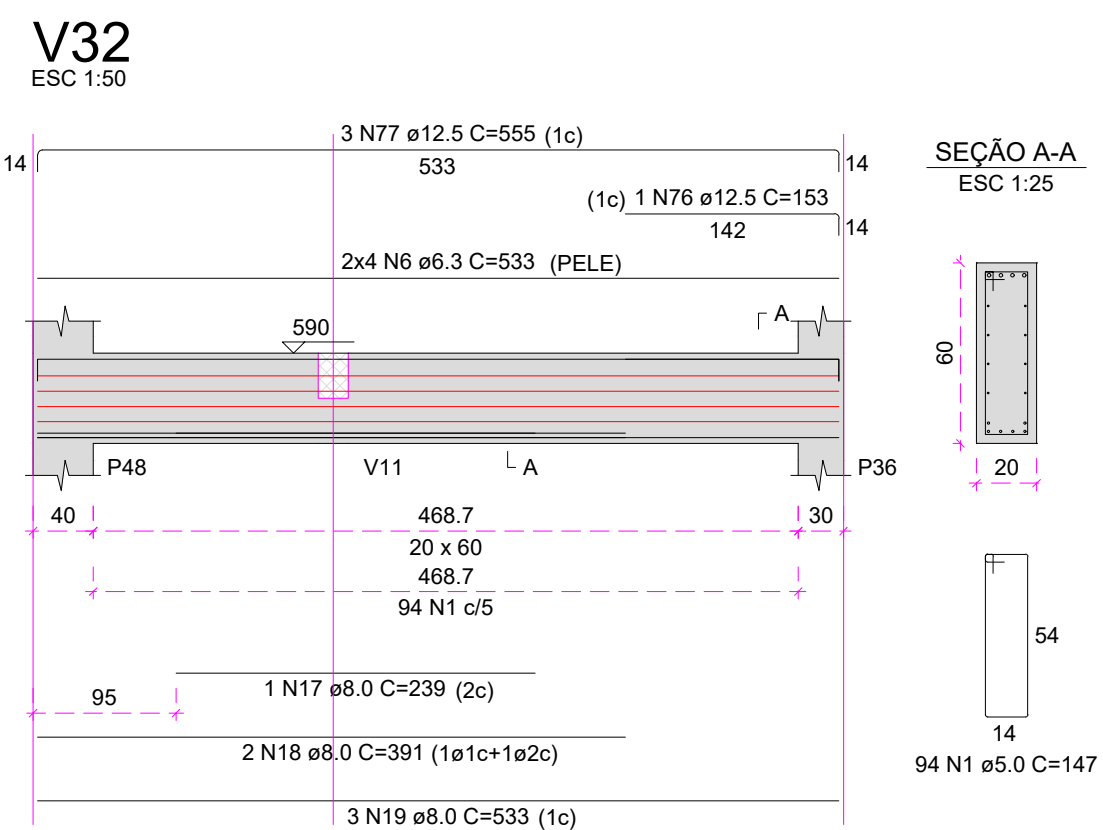
CASO 1707.7

CA60 295.2

Volume de concreto (C-30) = 19.00 m³

Área de forma = 177.90 m²

 GOVERNO DO ESTADO DE RONDÔNIA GOVERNO: Marcos José Rocha dos Santos			
 SECRETARIA DE ESTADO DA SEGURANÇA, DEFESA E CIDADANIA-SEDEC			
OBJETO: CORPO DE BOMBEIROS MILITAR DE RONDONIA PROJ. ESTRUTURAL COMANDO GERAL DO CBMR			
ENDEREÇO: AVENIDA GOVERNADOR JORGE TEIXEIRA S/Nº - INDUSTRIAL - PORTO VELHO - RO	LOCAL: PORTO VELHO - RO		
CONTROLE: PLANTAS ESTRUTURAIS PRÉDIO 1º PAVIMENTO - NÍVEL 5.90m	DATA: 24/01/2025	PROCESSO: 0004.014091/2024-14	
LEGENDAS:	SETOR: XX	QUADRA: XX	LOTE: XX
SUPERVISÃO DE PROJETOS: ISLANDIO DANTAS CHAVES - ENG. ELETRICISTA	ESCALA: INDICADA	DESENHO: EDUARDO HERRMANN - 1º SOT BM	
AUTORIA DO PROJETO: HALEX ALBUQUERQUE	PROJETO: ESTRUTURAL		
RESPONSÁVEL TÉCNICO PELA OBRA:	ETAPA DE PROJETO: BÁSICO		
PRANCHA: 31			
QUADRO DE ÁREAS		Área a Construir: 3.905,91 m²	
			
Observação:			
REV	MODIFICAÇÃO	DATA	PROJETISTA CADISTA APROVO
01			
02			
03			
ESPAÇO PARA PREFEITURA E C.R.E.A.			



RELATÓRIO DO AÇO

ACO	N	DIAM (mm)	QUANT	C. UNIT (cm)	C. TOTAL (cm)
CA80	1	5.0	228	117	33222
	2	5.0	23	117	2691
	3	5.0	116	173	20088
	4	5.0	2	225	450
	5	5.0	44	107	4708
	6	6.3	16	333	5328
	7	6.3	86	208	13728
	8	6.3	14	336	7902
	9	6.3	183	128	28914
	10	6.3	148	148	21904
	11	6.3	8	543	4344
	12	6.3	8	567	7576
	13	6.3	30	769	23070
	14	6.3	5	104	520
	15	6.3	8	105	848
	16	6.3	8	1042	8336
	17	8.0	1	239	239
	18	8.0	2	391	782
	19	8.0	7	533	3731
	20	8.0	6	1017	6102
	21	8.0	2	176	352
	22	8.0	2	259	518
	23	8.0	67	148	9916
	24	8.0	3	426	1278
	25	8.0	1	356	356
	26	8.0	4	1000	4000
	27	8.0	1	133	133
	28	8.0	1	700	700
	29	8.0	3	997	2991
	30	8.0	4	250	1000
	31	8.0	9	305	2745
	32	8.0	4	187	748
	33	8.0	4	232	928
	34	8.0	2	292	584
	35	8.0	2	442	884
	36	8.0	2	289	578
	37	8.0	4	516	2064
	38	10.0	1	276	276
	39	10.0	1	268	268
	40	10.0	1	268	268
	41	10.0	1	127	127
	42	10.0	1	130	130
	43	10.0	1	130	130
	44	10.0	5	338	1690
	45	10.0	5	538	2690
	46	10.0	3	508	1524
	47	10.0	2	500	1000
	48	10.0	2	132	264
	49	10.0	2	250	500
	50	10.0	4	91	364
	51	10.0	2	102	204
	52	10.0	1	132	132
	53	10.0	1	116	116
	54	10.0	4	252	1008
	55	10.0	1	162	162
	56	10.0	2	543	1086
	57	10.0	1	588	588
	58	10.0	1	593	593
	59	10.0	1	588	588
	60	10.0	2	177	354
	61	10.0	2	297	594
	62	10.0	1	142	142
	63	10.0	2	202	404
	64	10.0	4	307	1228
	65	10.0	3	275	825
	66	10.0	4	779	3116
	67	10.0	3	192	576
	68	10.0	1	416	416
	69	10.0	3	250	750
	70	10.0	1	356	356
	71	10.0	3	192	576
	72	10.0	3	252	756
	73	10.0	2	152	304
	74	10.0	3	212	636
	75	10.0	2	326	652
	76	12.5	1	153	153
	77	12.5	3	255	765
	78	12.5	4	590	2360
	79	12.5	2	208	416
	80	12.5	2	336	672
	81	12.5	2	208	416
	82	12.5	1	264	264
	83	12.5	1	268	268
	84	12.5	2	228	456
	85	12.5	1	269	269
	86	12.5	1	273	273
	87	12.5	2	216	432
	88	16.0	2	504	1008
	89	16.0	3	1046	3138
	90	16.0	6	800	4800
	91	16.0	1	346	346
	92	16.0	2	351	702
	93	16.0	1	324	324
	94	16.0	2	359	718
	95	20.0	2	118	236
	96	20.0	2	207	414
	97	20.0	2	207	414
	98	20.0	2	208	416
	99	20.0	2	200	400
	100	20.0	2	200	400

RESUMO DO AÇO

ACO	DIAM (mm)	C. TOTAL (m)	PESO + 0% (kg)
CA80	6.3	1255.6	697.3
	8.0	372.2	146.9
	10.0	316.7	195.3
	12.5	88.8	85.5
	16.0	108.4	171
	20.0	31.4	77.5
CA80	5.0	611.6	94.3
PESO TOTAL (kg)			983.3
CA80			94.3

Volume de concreto (C-30) = 9.80 m³
Área de forma = 90.17 m²

GOVERNO DO ESTADO DE RONDÔNIA
GOVERNO: Marcos José Rocha dos Santos

SECRETARIA DE ESTADO DA SEGURANÇA, DEFESA E CIDADANIA-SESDC

OBJETO: CORPO DE BOMBEIROS MILITAR DE RONDONIA
PROJ. ESTRUTURAL COMANDO GERAL DO CBMRO

ENGENHEIRO: AVENIDA GOVERNADOR JORGE TEIXEIRA S/Nº - INDUSTRIAL - PORTO VELHO - RO	LOCAL: PORTO VELHO - RO
CONTEÚDO: PLANTAS ESTRUTURAIS PRÉDIO 1º PAVIMENTO - NÍVEL 5.90m	DATA: 24/01/2025
LEGENDAS:	PROCESSO: 0004.014091/2024-14
SUPERVISÃO DE PROJETOS: ISLANDIO DANTAS CHAVES - ENG. ELETRICISTA	SETOR: QUADRA
AUTORIA DO PROJETO: HALEX ALBUQUERQUE	LOTE: XX
ETAPA DE PROJETO: BÁSICO	DESENHO: EDUARDO HERRMANN - 1º SOT BM
RESPONSÁVEL TÉCNICO PELA OBRA: PRANCHAS	INDICADA: 32

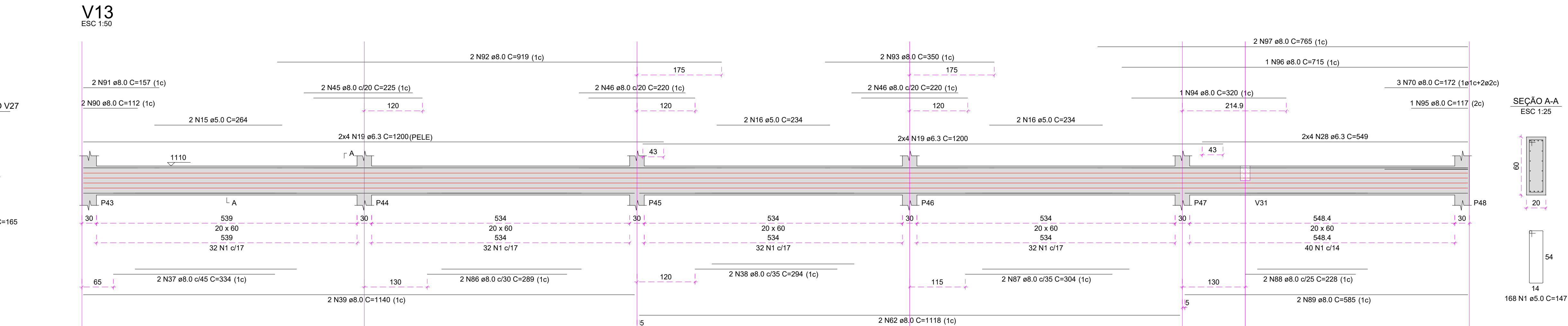
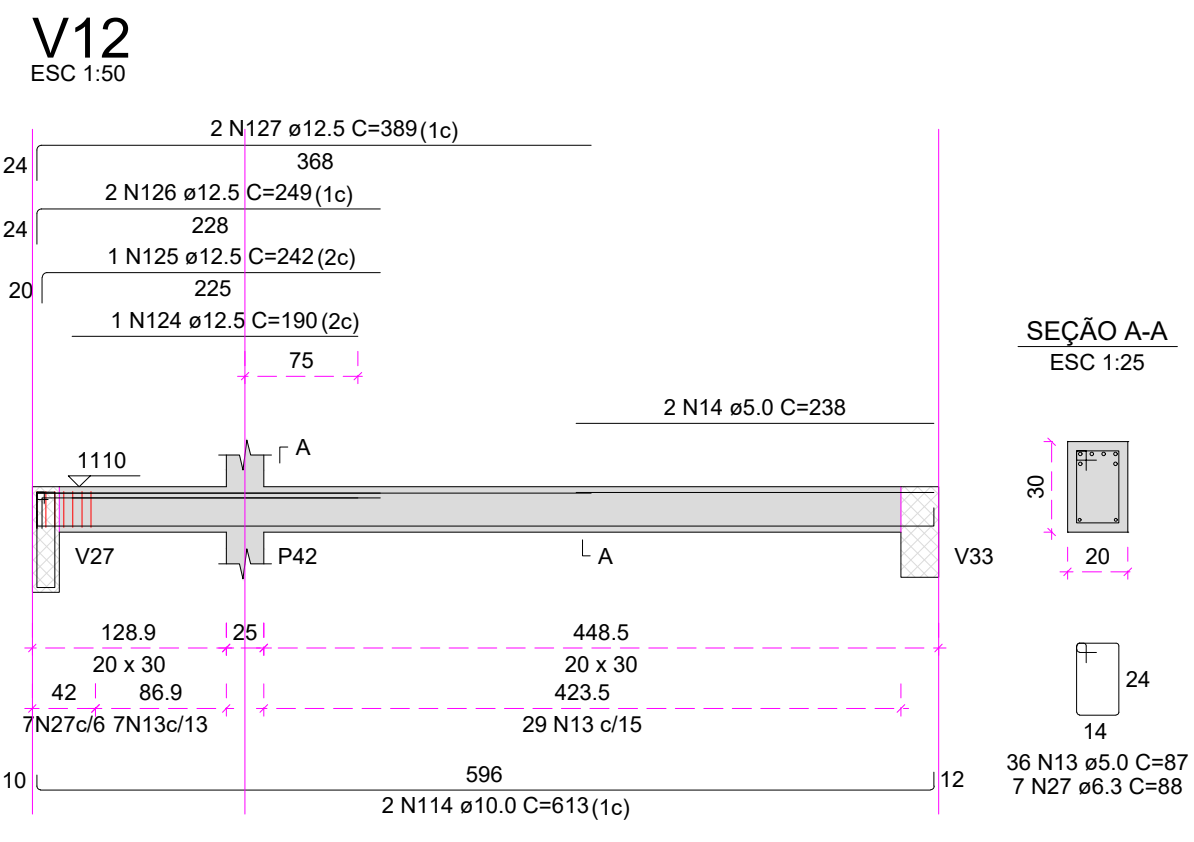
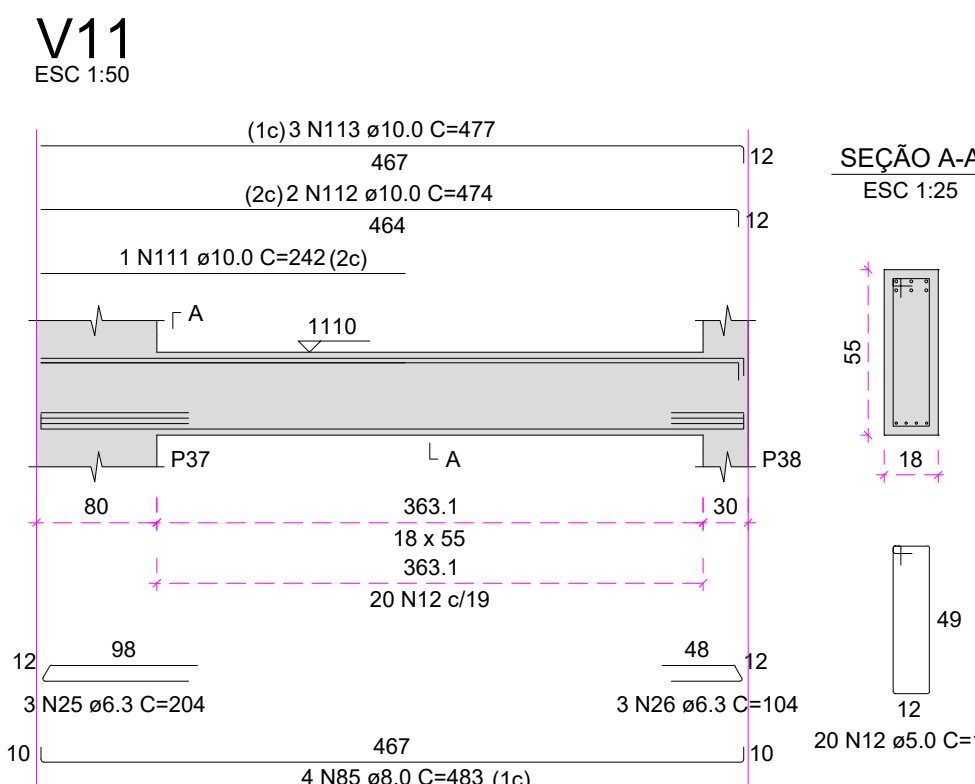
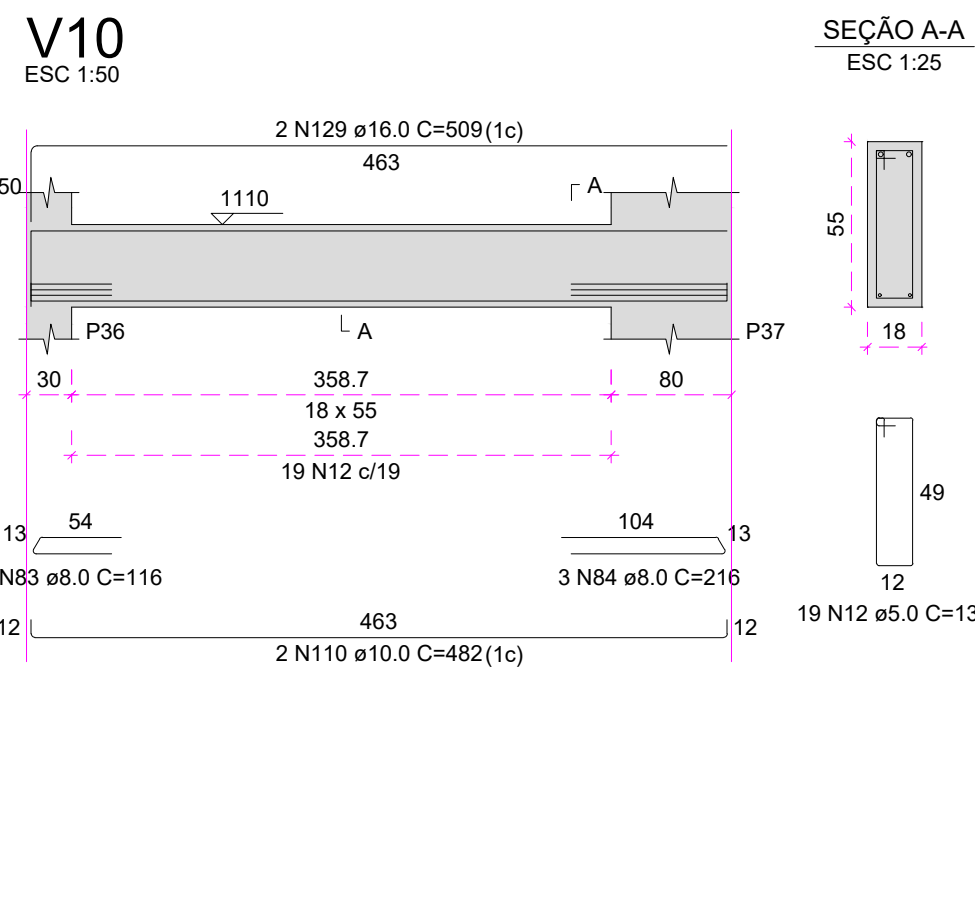
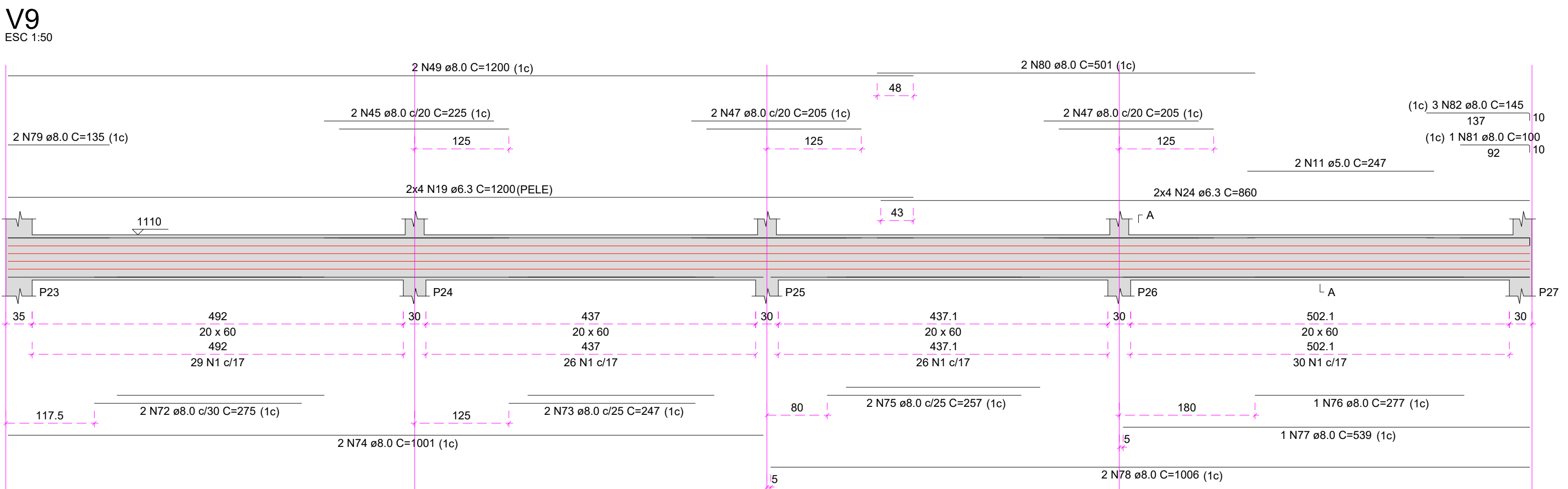
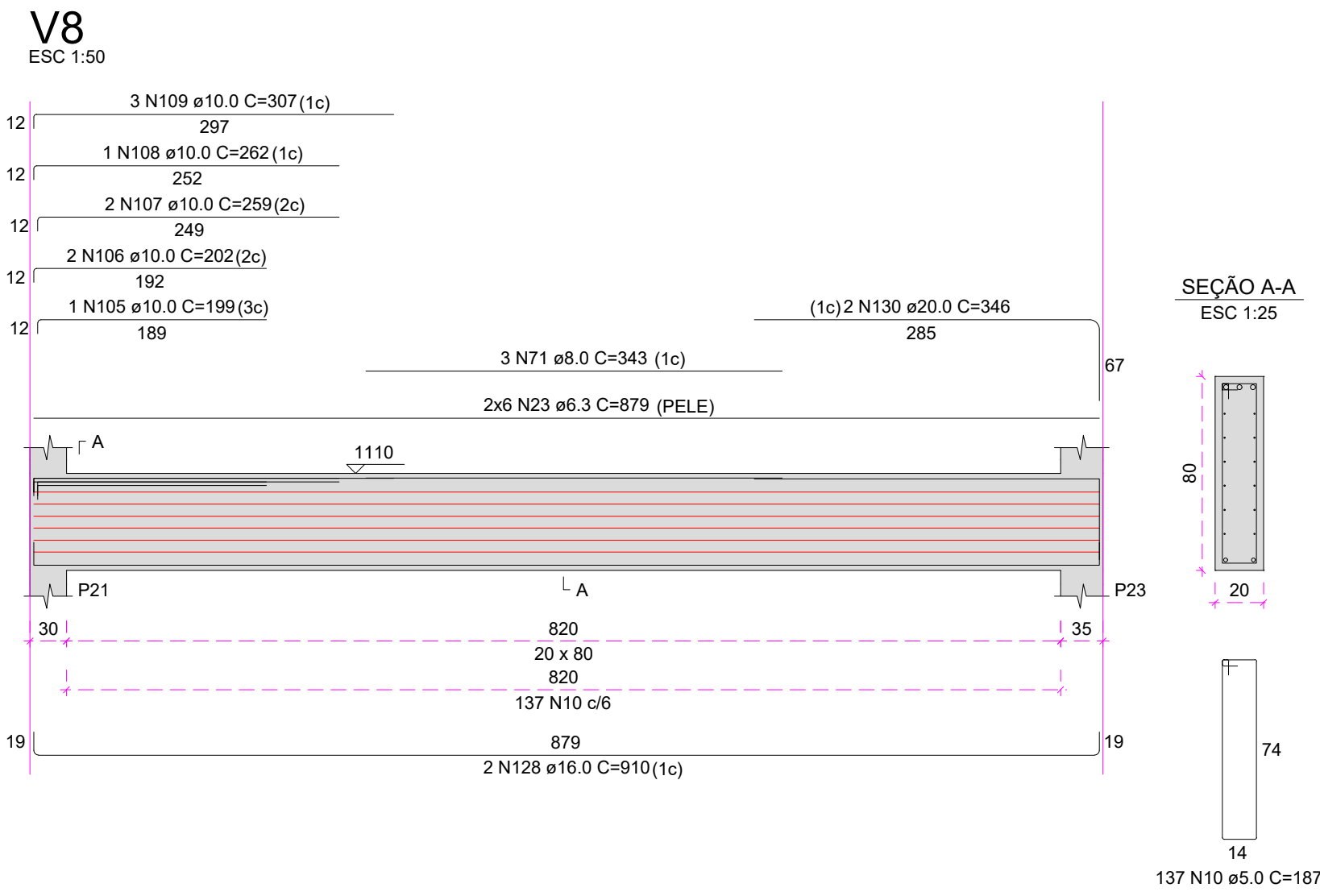
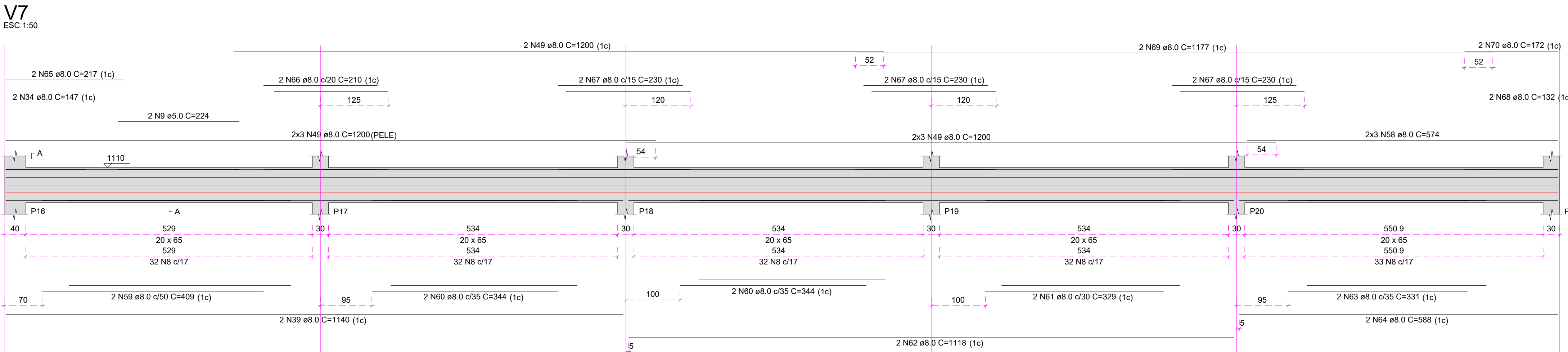
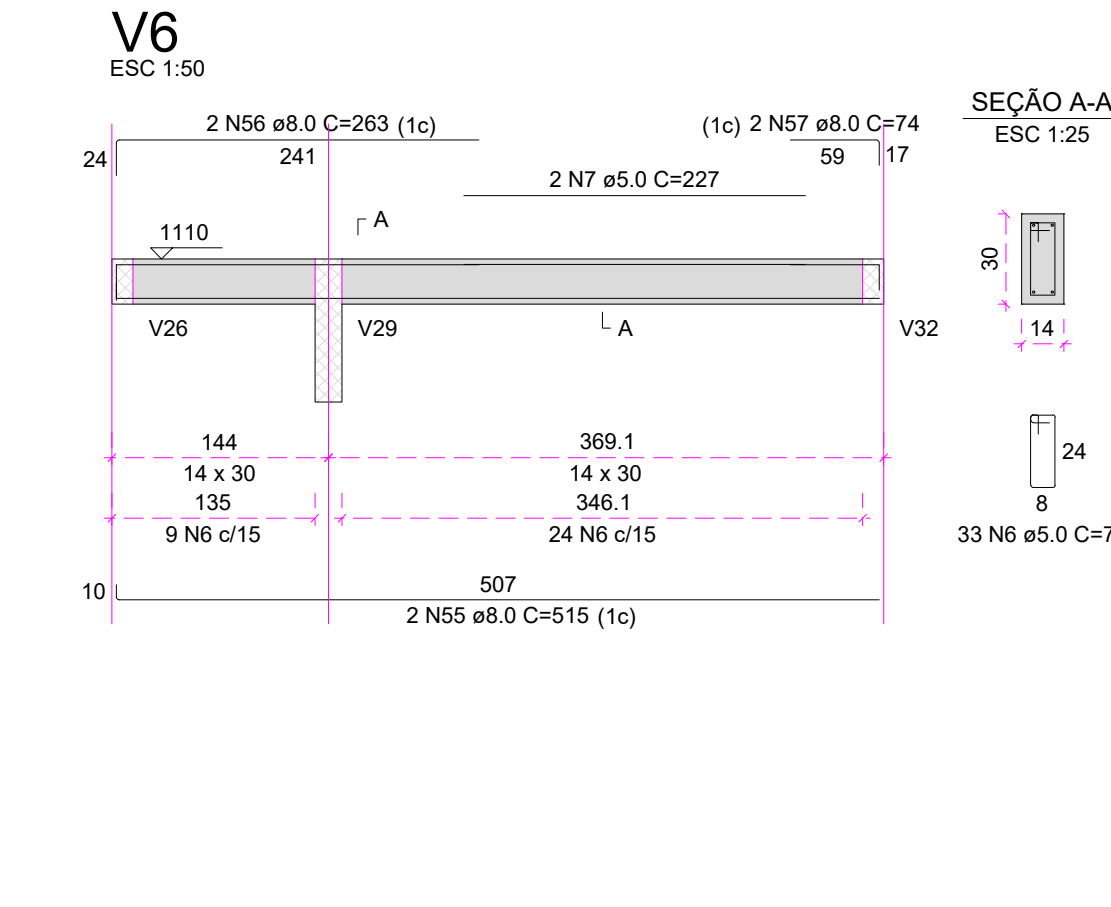
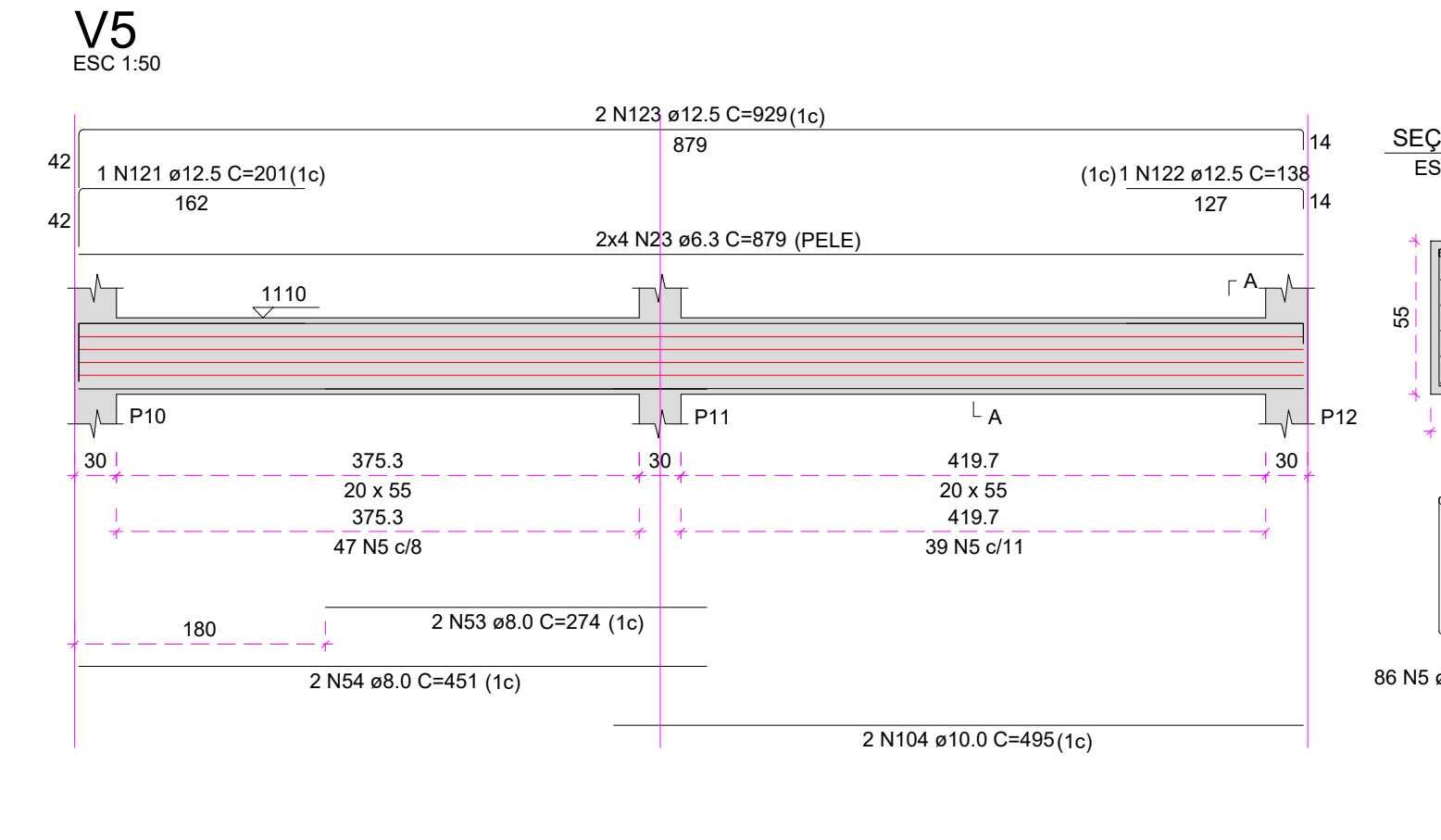
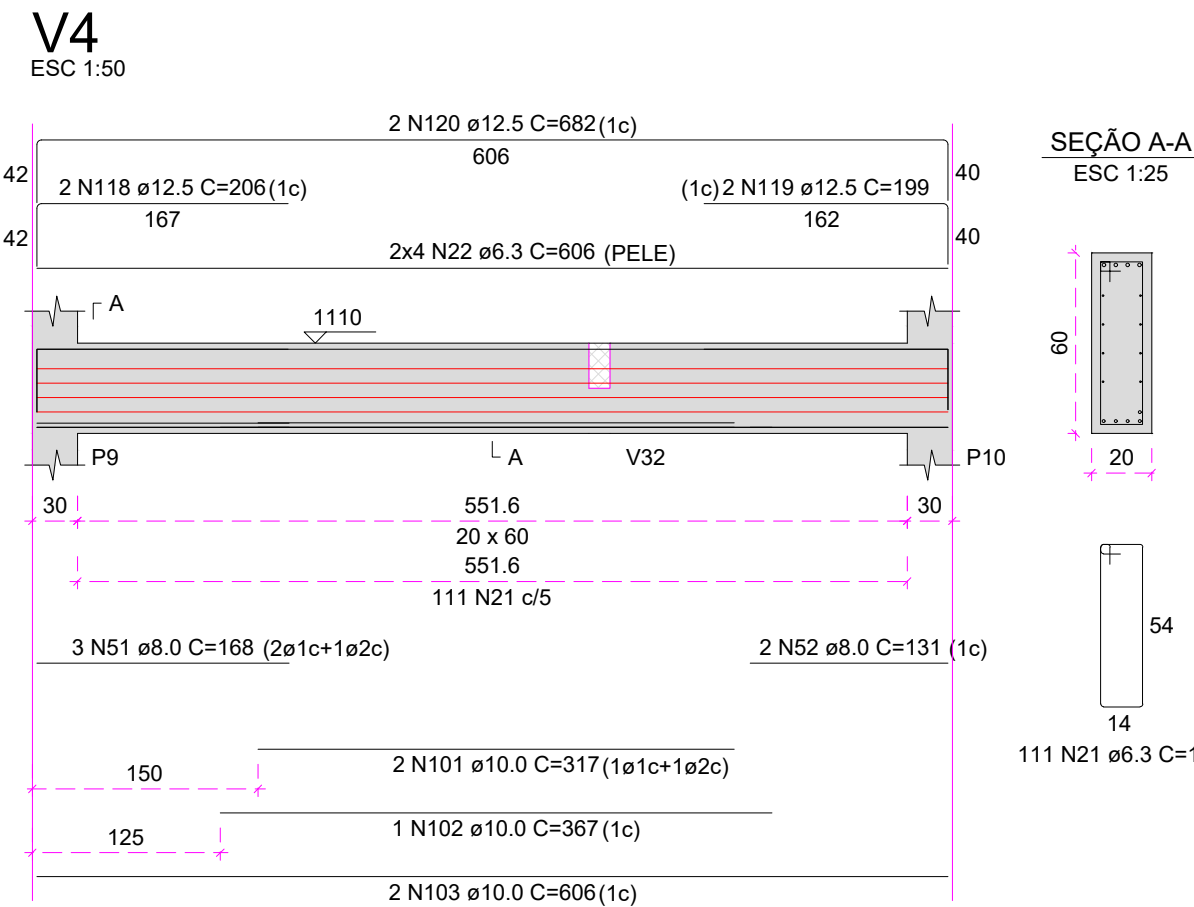
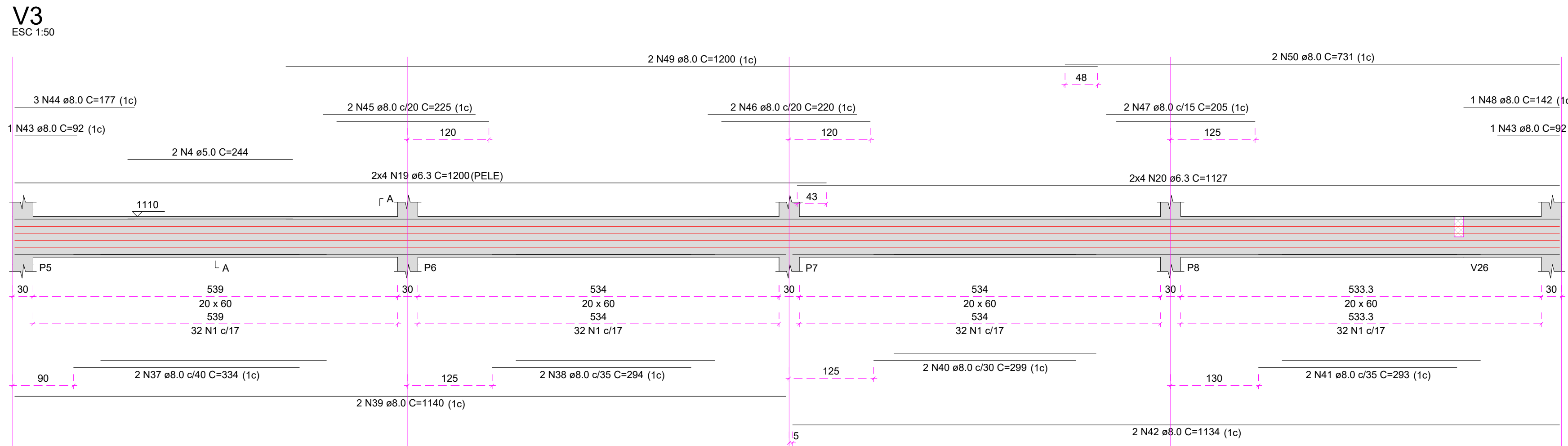
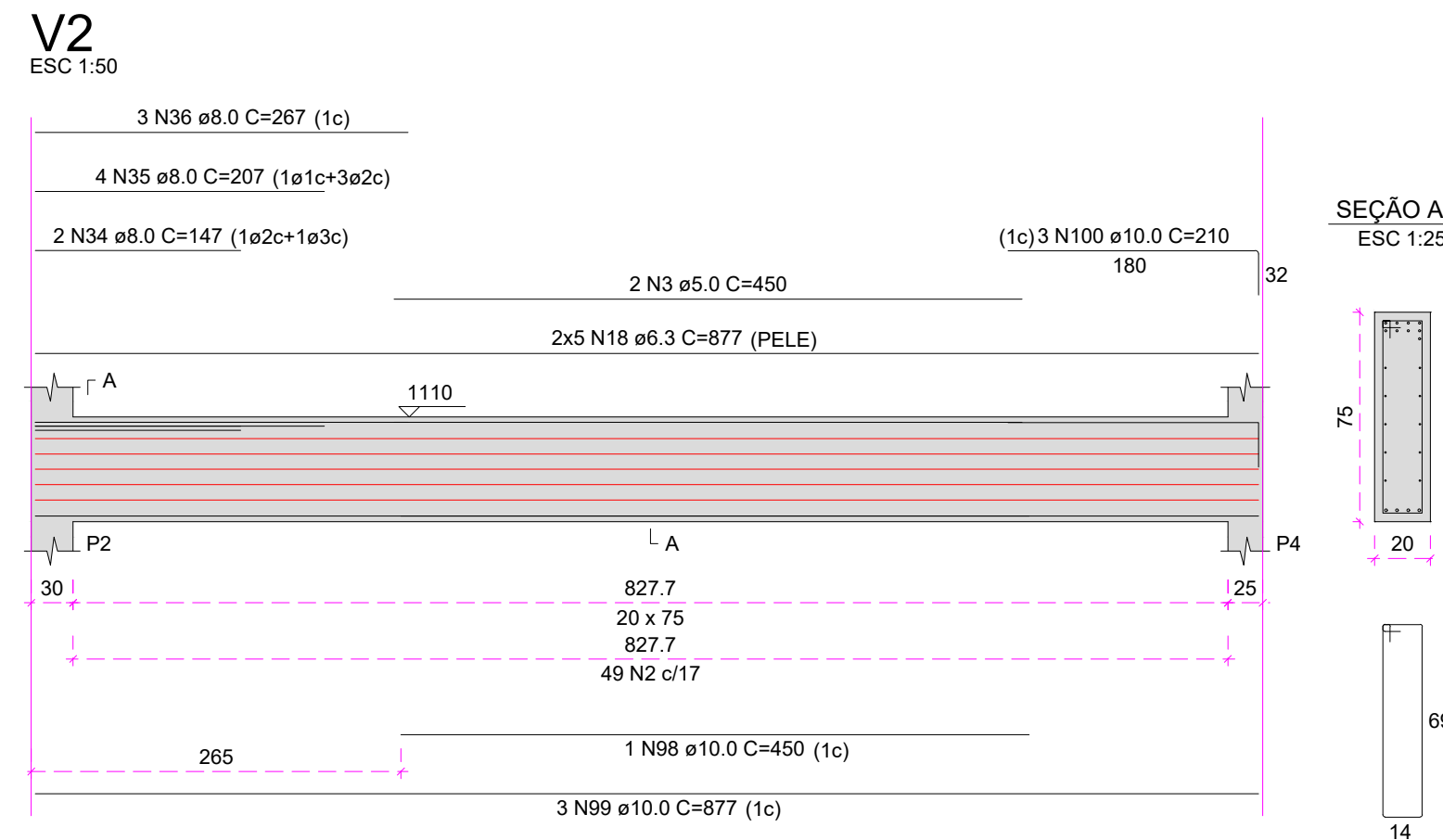
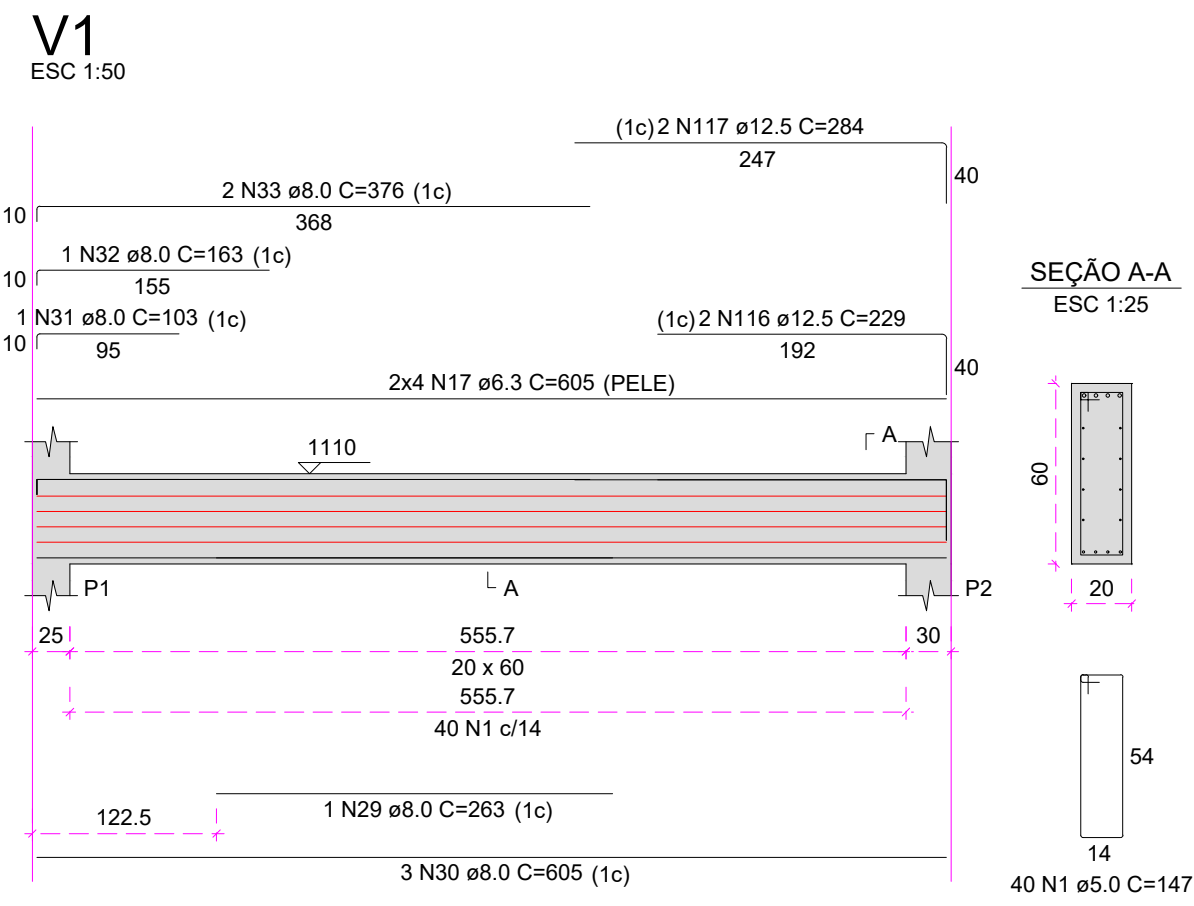
QUADRO DE ÁREAS

Área a Construir	3.005,91 m²
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Observação:

REV	MODIFICAÇÃO	DATA	PROJETISTA	CADISTA	APROVO
01					
02					
03					

ESPAÇO PARA PREFEITURA E C.R.E.A.



RELAÇÃO DO AÇO

ACO	N	DIAM (mm)	QUANT (cm)	C UNIT (cm)	C TOTAL (cm)
CA50	1	5.0	447	147	66709
	2	5.0	40	177	66709
	3	5.0	2	450	900
	4	5.0	2	244	488
	5	5.0	86	137	11762
	6	5.0	33	76	2498
	7	5.0	2	227	454
	8	5.0	2	157	314
	9	5.0	2	224	448
	10	5.0	137	187	25616
	11	5.0	2	247	494
	12	5.0	38	133	5187
	13	5.0	36	87	3132
	14	5.0	2	238	476
	15	5.0	2	264	528
	16	5.0	4	234	936
	17	6.3	8	605	4840
	18	6.3	10	877	8770
	19	6.3	32	1200	38400
	20	6.3	8	1127	9016
	21	6.3	111	148	16428
	22	6.3	8	686	5488
	23	6.3	20	870	17380
	24	6.3	8	880	6880
	25	6.3	3	204	612
	26	6.3	3	104	312
	27	6.3	7	88	616
	28	6.3	8	540	4320
	29	8.0	1	263	263
	30	8.0	3	605	1815
	31	8.0	1	103	103
	32	8.0	1	163	163
	33	8.0	1	170	170
	34	8.0	4	376	1504
	35	8.0	4	207	828
	36	8.0	3	267	801
	37	8.0	3	334	1002
	38	8.0	4	234	1176
	39	8.0	2	1140	2280
	40	8.0	2	290	580
	41	8.0	2	233	466
	42	8.0	2	1134	2268
	43	8.0	2	92	184
	44	8.0	3	177	531
	45	8.0	3	223	669
	46	8.0	6	220	1320
	47	8.0	6	203	1218
	48	8.0	1	142	142
	49	8.0	18	1200	21600
	50	8.0	2	731	1462
	51	8.0	2	168	336
	52	8.0	2	131	262
	53	8.0	2	274	548
	54	8.0	2	451	902
	55	8.0	2	515	1030
	56	8.0	2	263	526
	57	8.0	2	1177	2354
	58	8.0	2	132	264
	59	8.0	5	172	860
	60	8.0	5	345	1725
	61	8.0	2	275	550
	62	8.0	2	247	494
	63	8.0	2	1001	2002
	64	8.0	1	257	514
	65	8.0	1	277	554
	66	8.0	1	339	678
	67	8.0	2	1006	2012
	68	8.0	2	135	270
	69	8.0	2	501	1002
	70	8.0	2	100	200
	71	8.0	2	116	232
	72	8.0	3	146	438
	73	8.0	3	116	348
	74	8.0	3	216	648
	75	8.0	3	483	1449
	76	8.0	2	289	578
	77	8.0	2	324	648
	78	8.0	2	228	456
	79	8.0	2	112	224
	80	8.0	2	174	348
	81	8.0	2	157	314
	82	8.0	2	163	326
	83	8.0	2	350	700
	84	8.0	2	300	600
	85	8.0	1	117	234
	86	8.0	1	117	234
	87	8.0	2	765	1530
	88	8.0	2	450	900
	89	10.0	3	877	2631
	90	10.0	3	210	630
	91	10.0	2	317	634
	92	10.0	2	387	774
	93	10.0	2	606	1212
	94	10.0	2	495	990
	95	10.0	1	169	338
	96	10.0	1	202	404
	97	10.0	2	259	518
	98	10.0	2	262	524
	99	10.0	3	307	921
	100	10.0	2	482	964
	101	10.0	1	242	484
	102	10.0	2	474	948
	103	10.0	3	477	1431
	104	10.0	2	613	1226
	105	10.0	1	165	330
	106	12.5	1	229	458
	107	12.5	2	284	568
	108	12.5	2	295	590
	109	12.5	2	380	760
	110	12.5	2	910	1820
	111	12.5	1	201	402
	112	12.5	1	138	276
	113	12.5	2	920	1840
	114	12.5	1	180	360
	115	12.5	1	242	484
	116	12.5	2	249	498
	117	12.5	2	380	760
	118	16.0	2	910	1820
	119	16.0	2	509	1018
	120	20.0	2	346	692

RESUMO DO AÇO

ACO	DIAM (mm)	C TOTAL (m)	PESO + 5% (kg)
CA50	6.3	1126.9	275.8
	8.0	889	320.8
	10.0	141.9	87.5
	12.5	71	66.4
	16.0	28.4	44.8
	20.0	6.9	17.1
PESO TOTAL (kg)	5.0	1525.8	235.2
CA50	844.4		
CA40	235.2		

Volume de concreto (C-30) = 17.53 m³
Área de forma = 168.42 m²

GOVERNO DO ESTADO DE RONDÔNIA
GOVERNO: Marcos José Rocha dos Santos

SECRETARIA DE ESTADO DA SEGURANÇA, DEFESA E CIDADANIA-SESEDEC

OBJETO: CORPO DE BOMBEIROS MILITAR DE RONDONIA
PROJ. ESTRUTURAL COMANDO GERAL DO CBMRO

ENDEREÇO: AVENIDA GOVERNADOR JORGE TEIXEIRA S/Nº - INDUSTRIAL - PORTO VELHO - RO
LOCAL: PORTO VELHO - RO

CONTEÚDO: PLANTAS ESTRUTURAIS PRÉDIO
DATA: 24/01/2025
PROCESSO: 0004.014091/2024-14

2º PAVIMENTO - NÍVEL 11,10m
SETOR: QUADRA
LOTE: XX

SUPERVISÃO DE PROJETOS: ISLANDO DANTAS CHAVES - ENG. ELETRICISTA
INDICADA: EDUARDO HERRMANN - 1º SGT BM

AUTORIA DO PROJETO: HALEX ALBUQUERQUE
CREA: 18.842/D-RO
PROJETO: ESTRUTURAL

RESPONSÁVEL TÉCNICO PELA OBRA: PRANCHA
BÁSICO

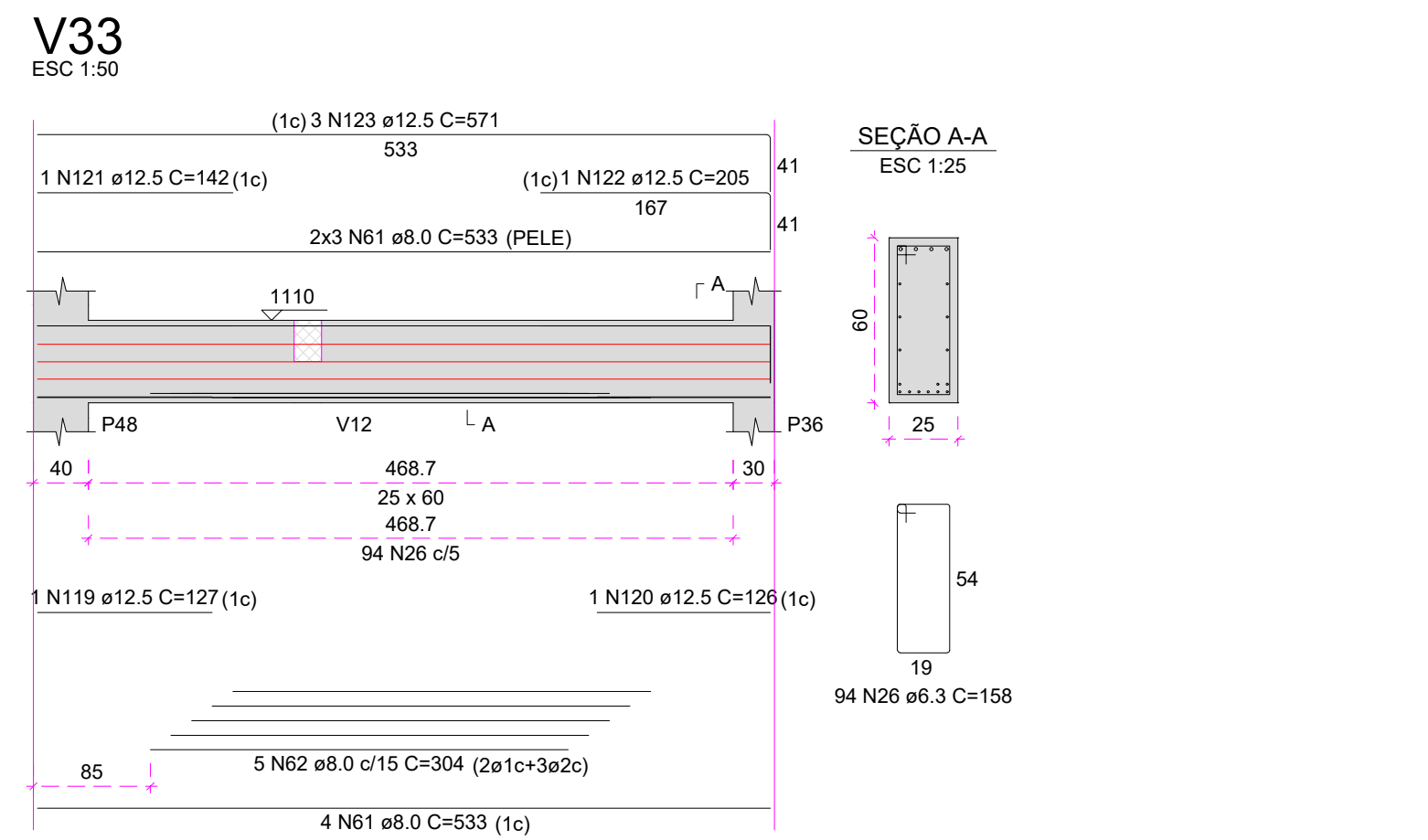
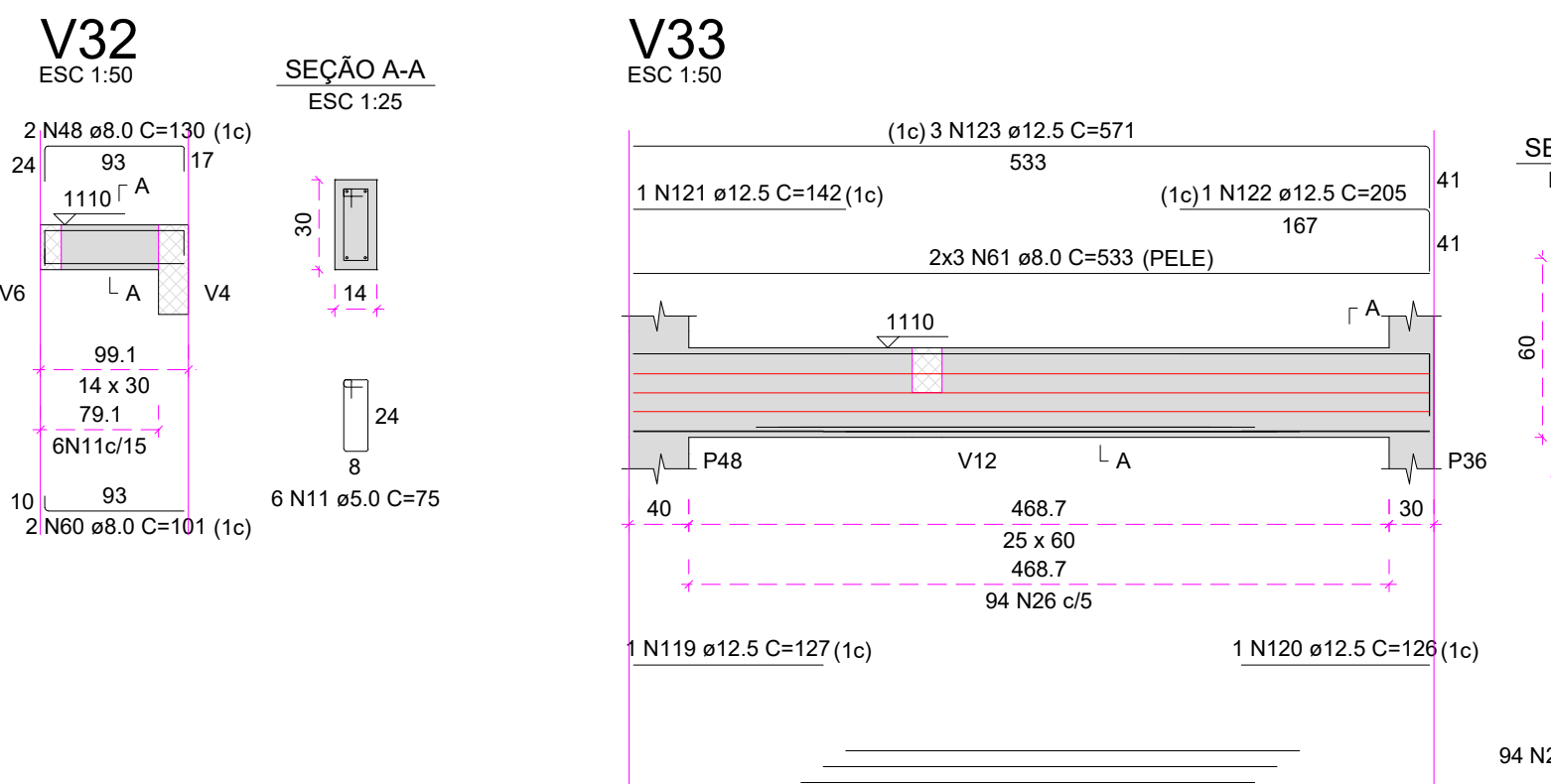
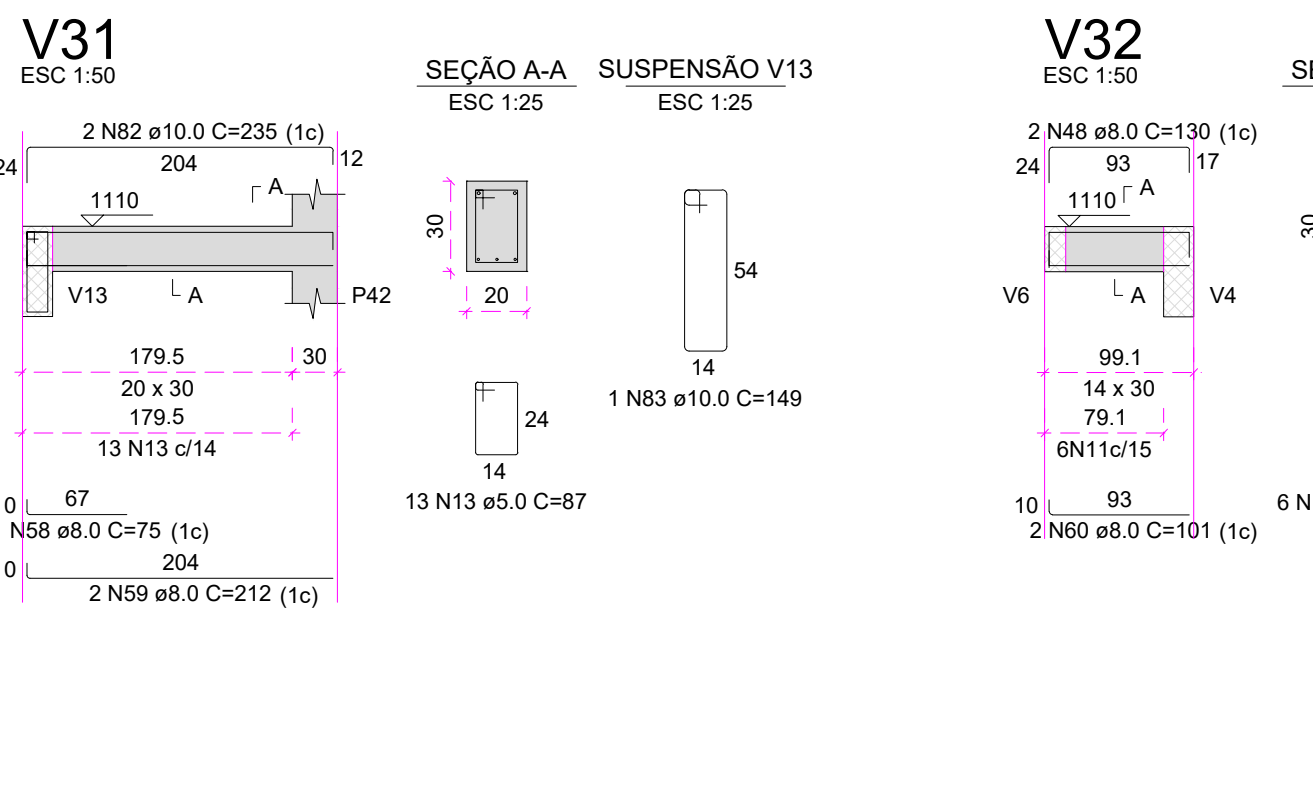
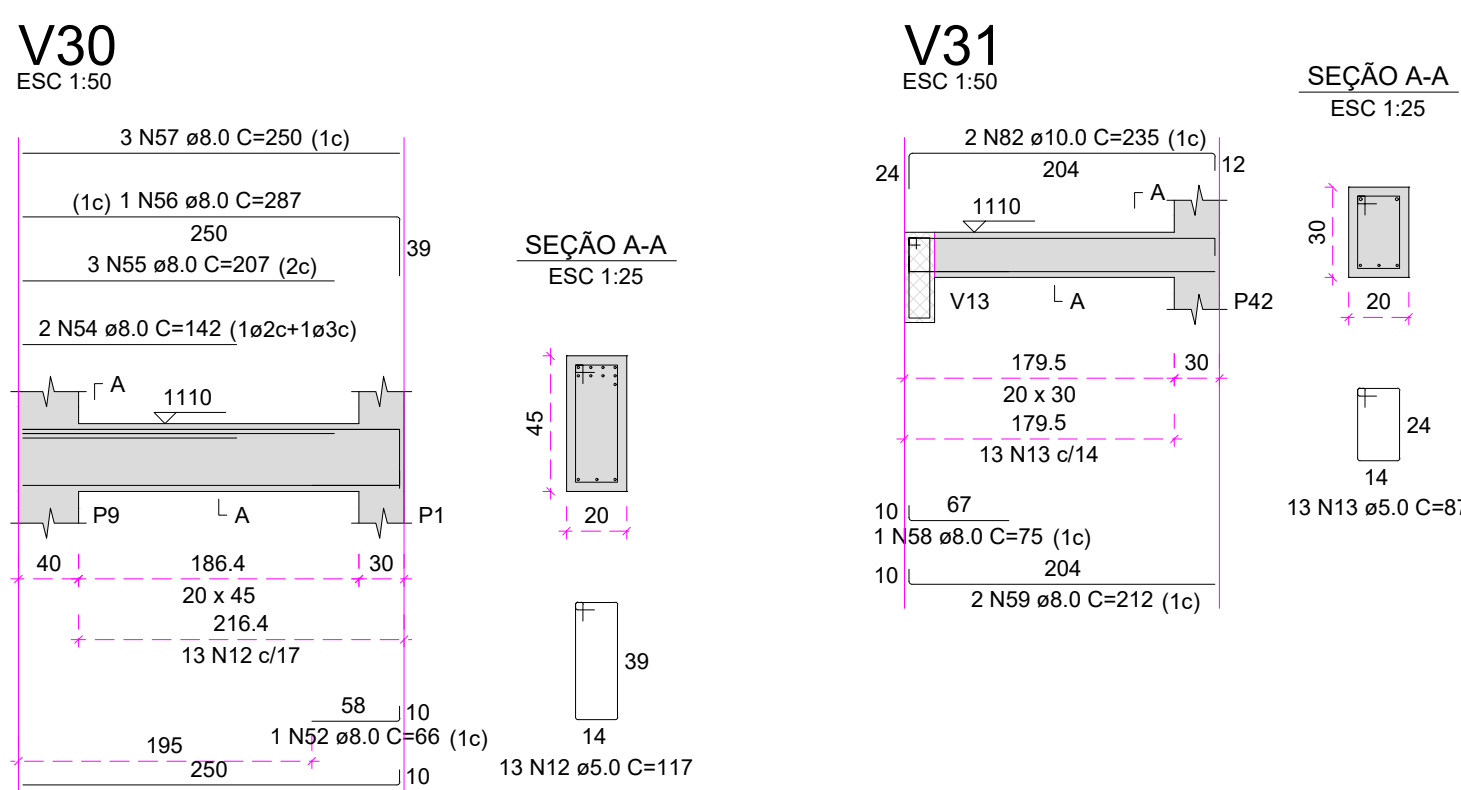
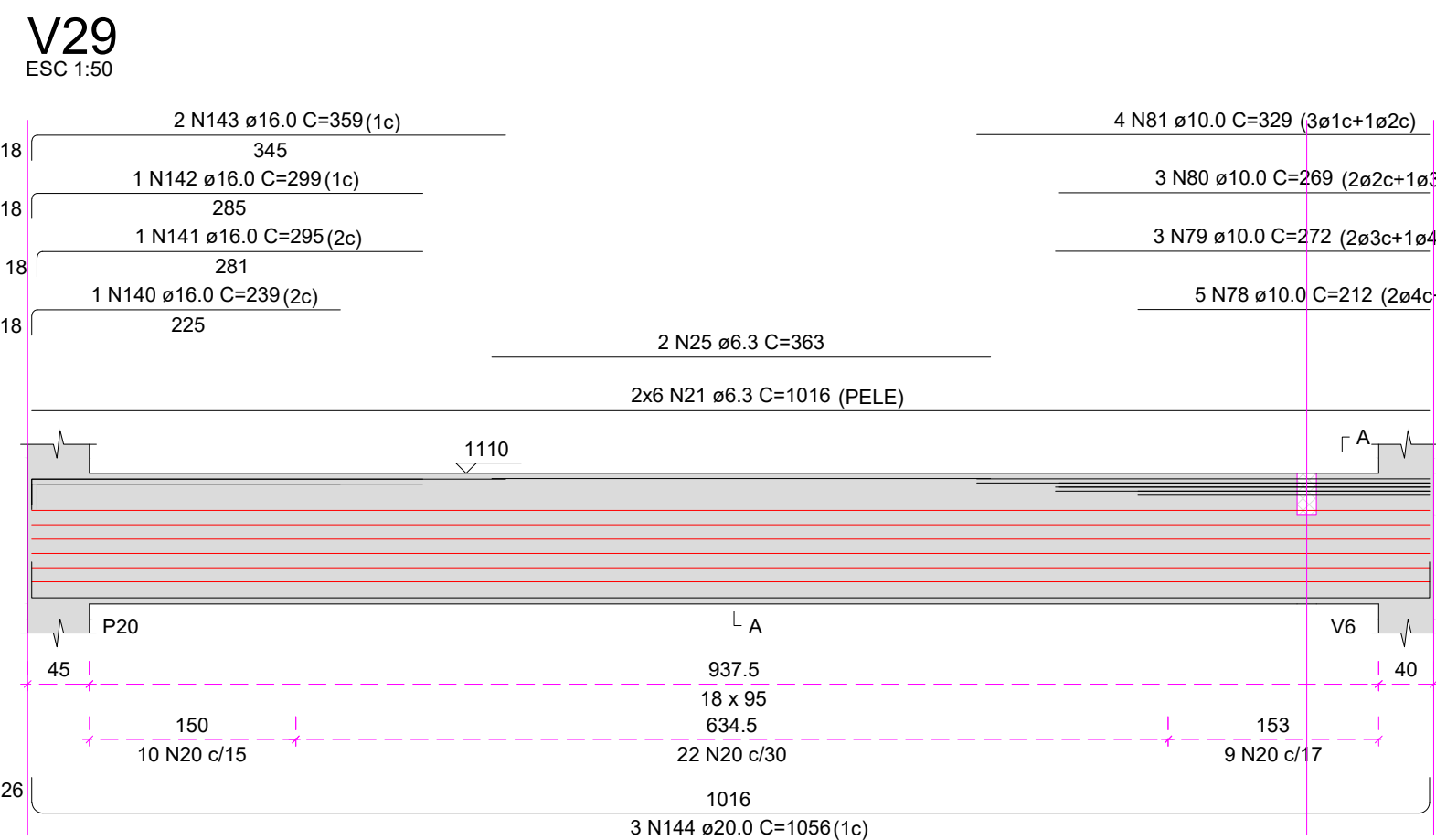
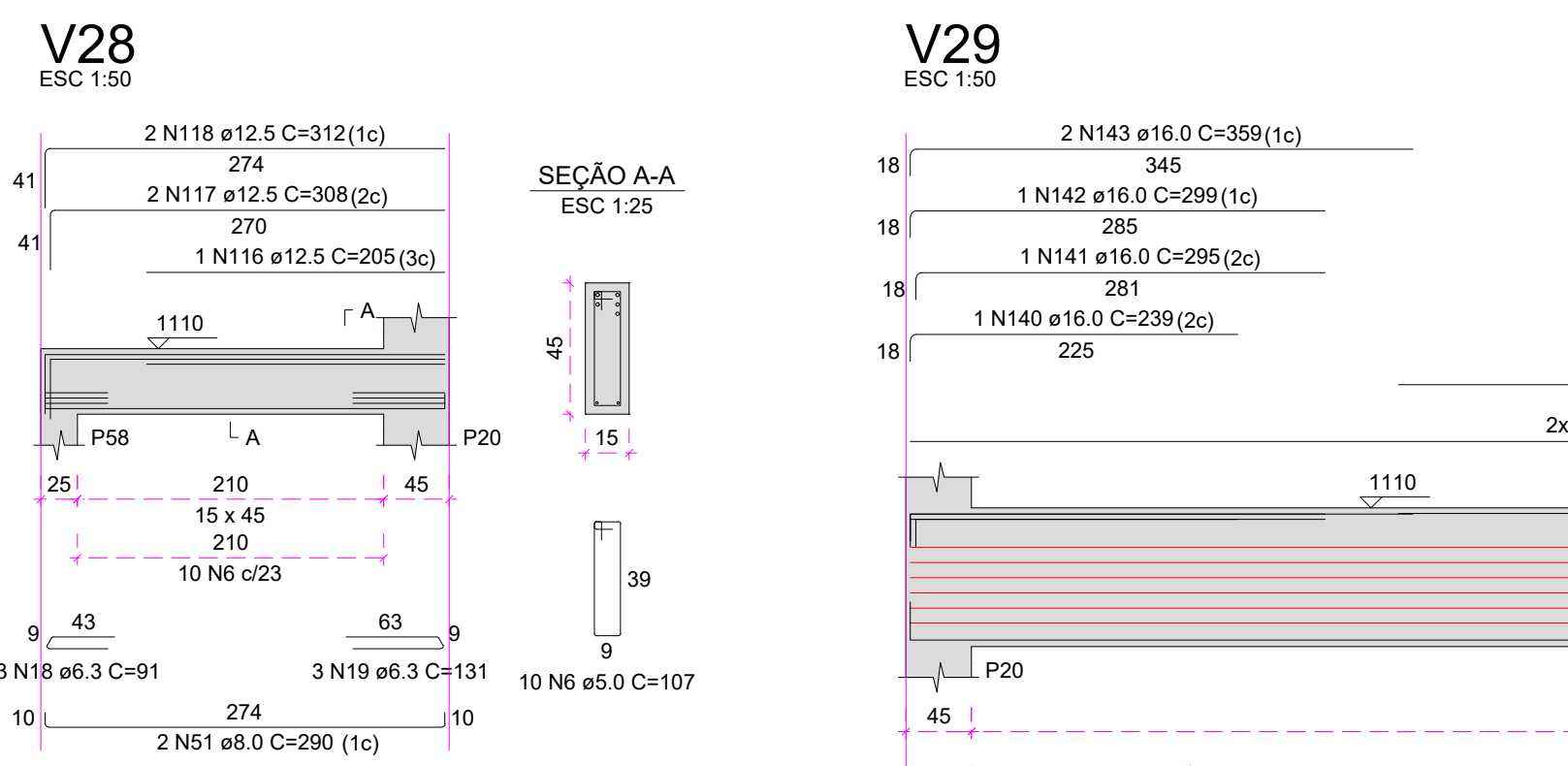
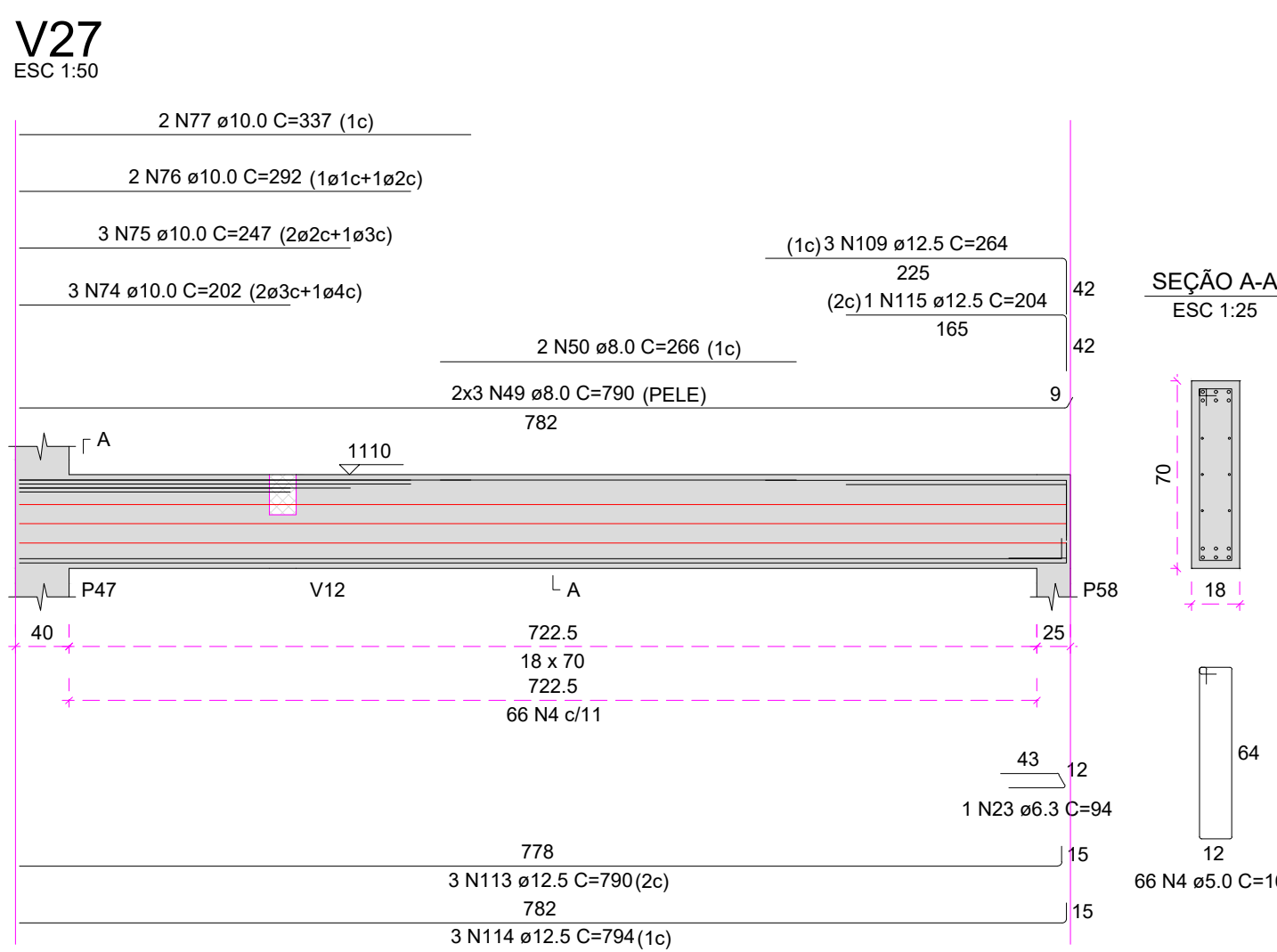
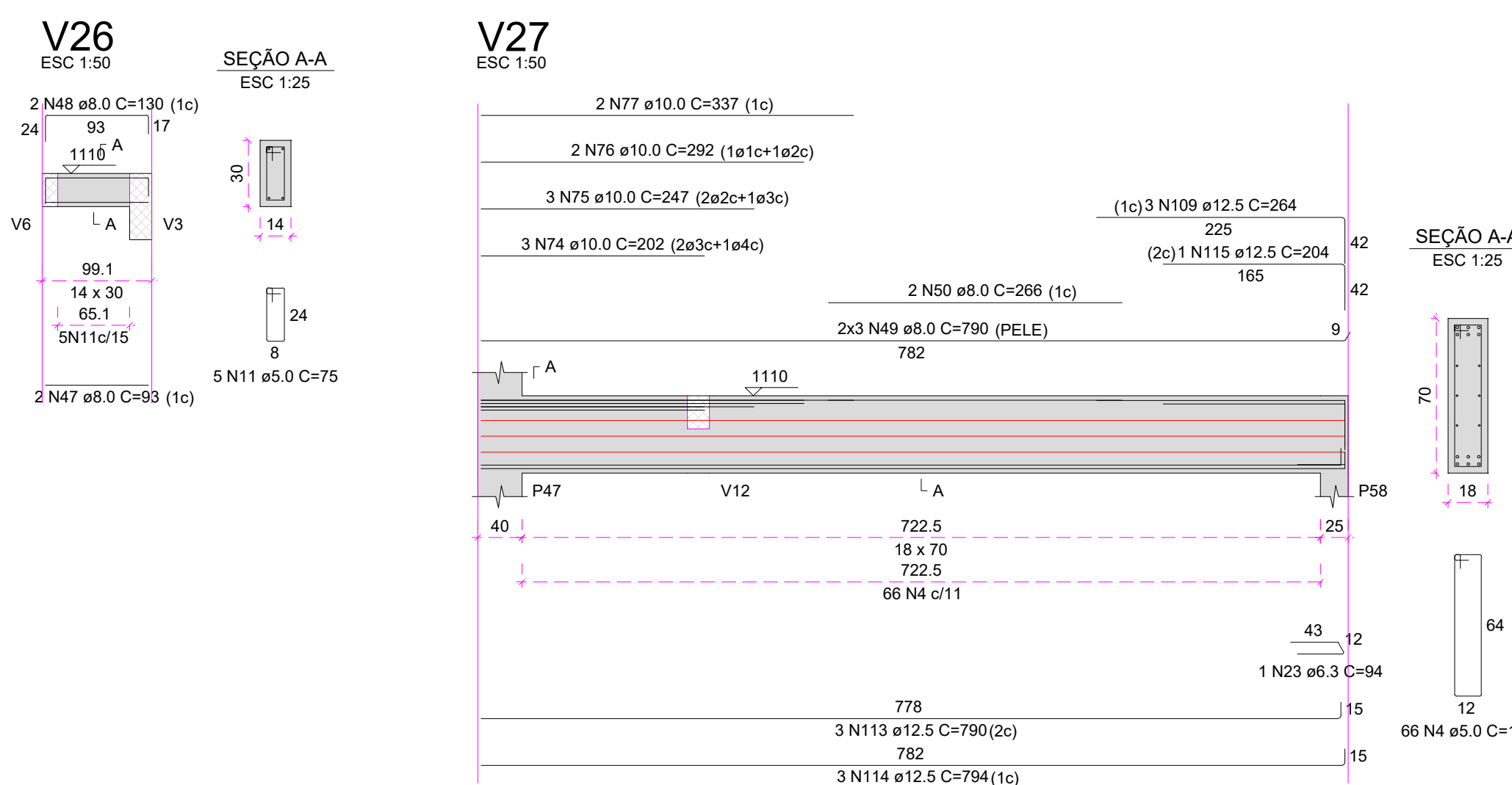
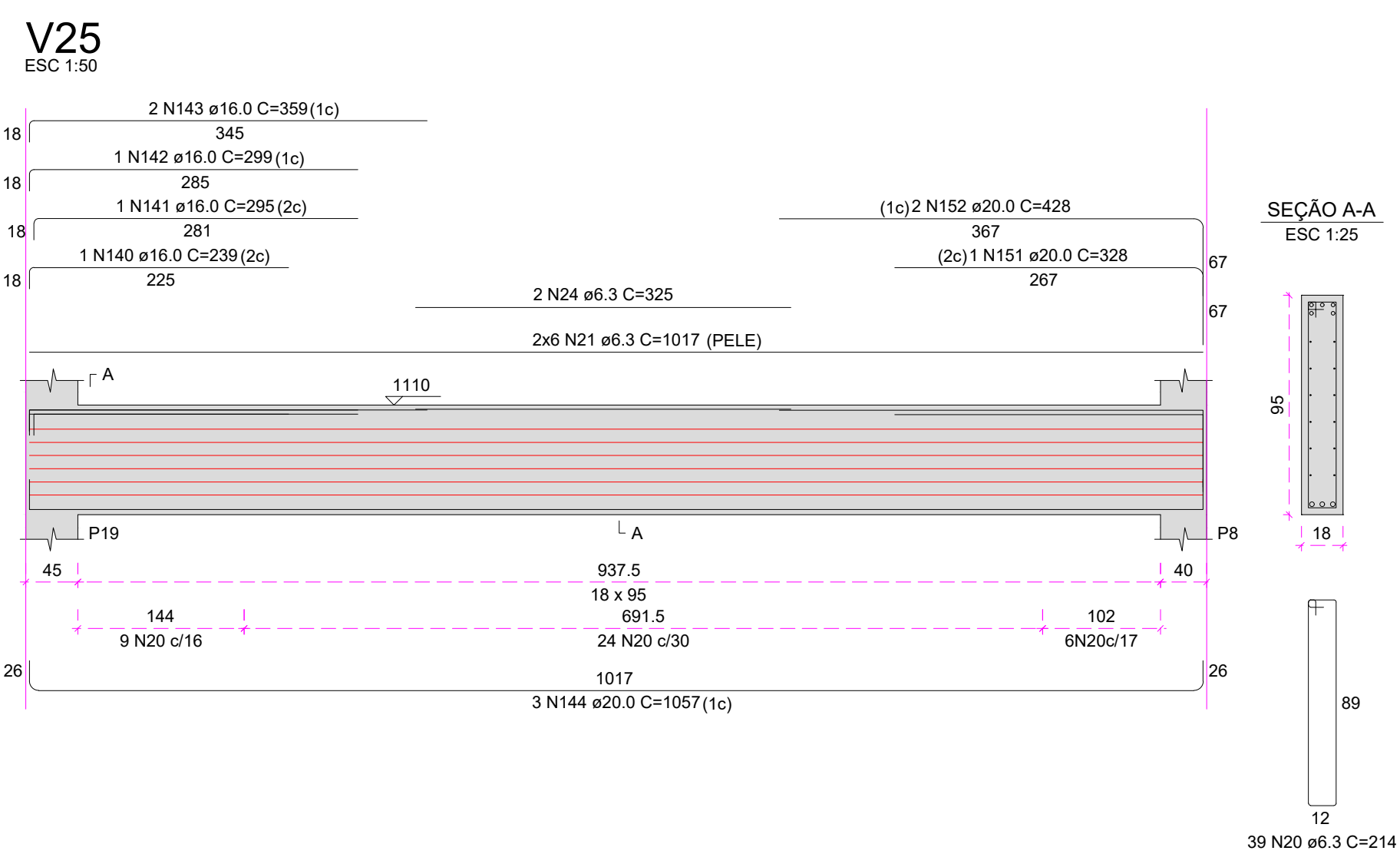
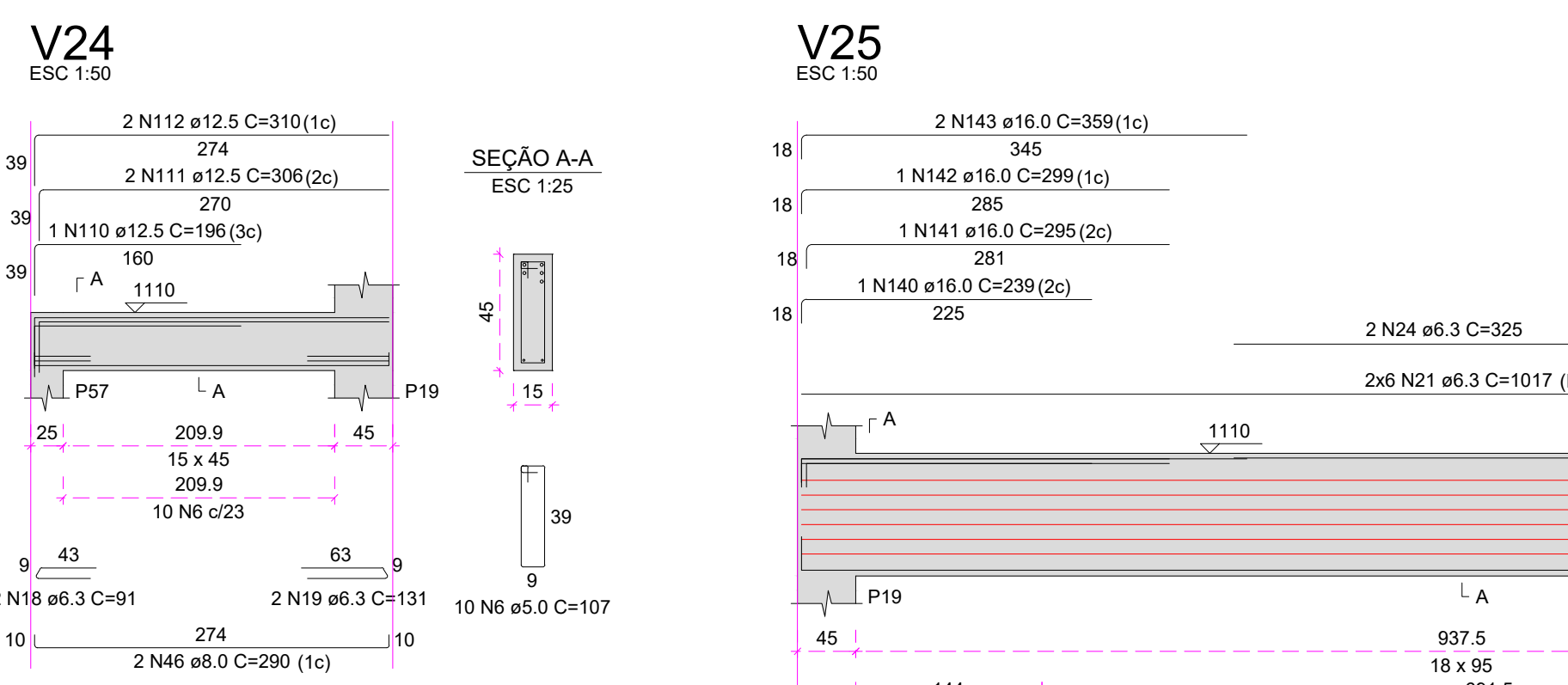
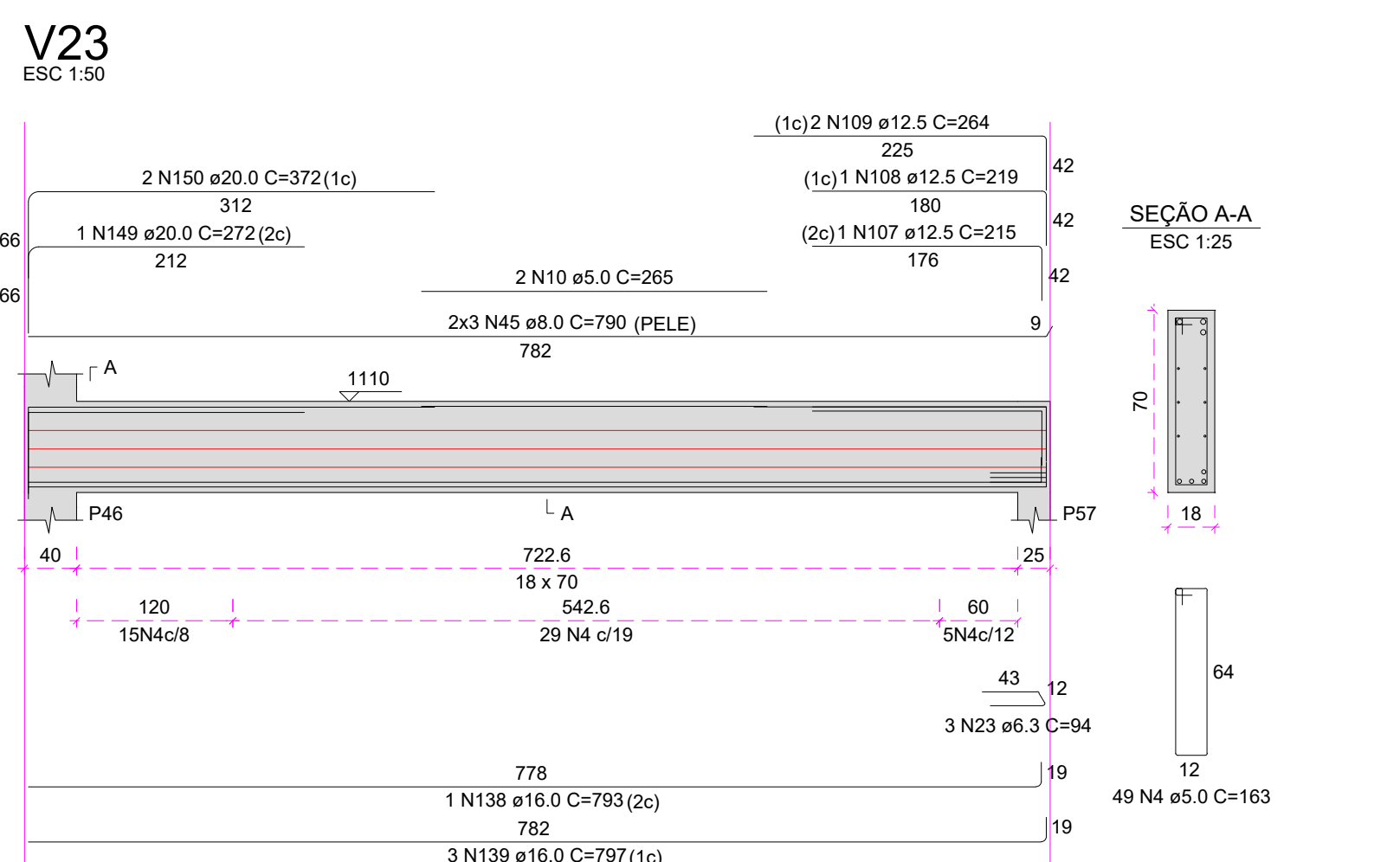
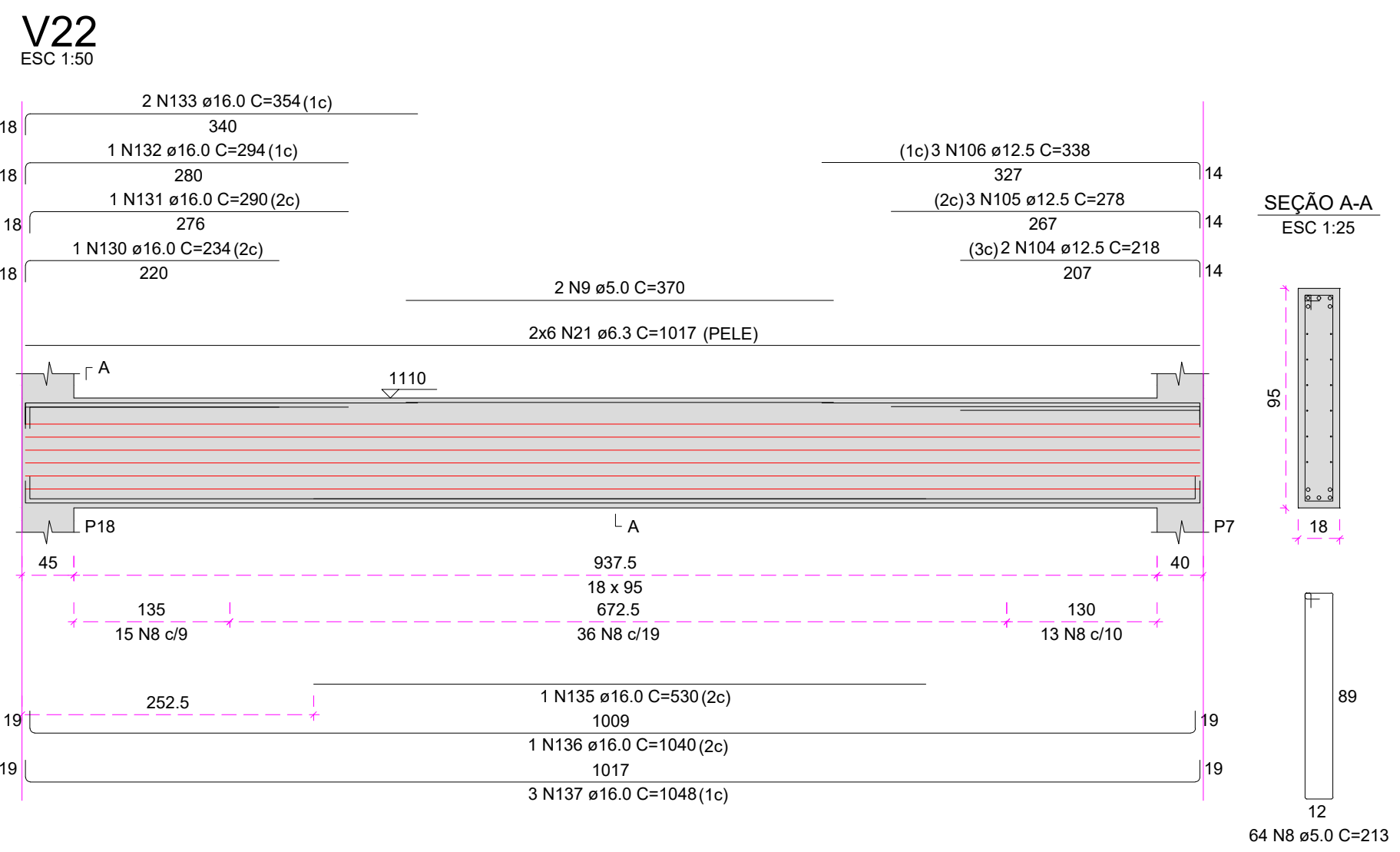
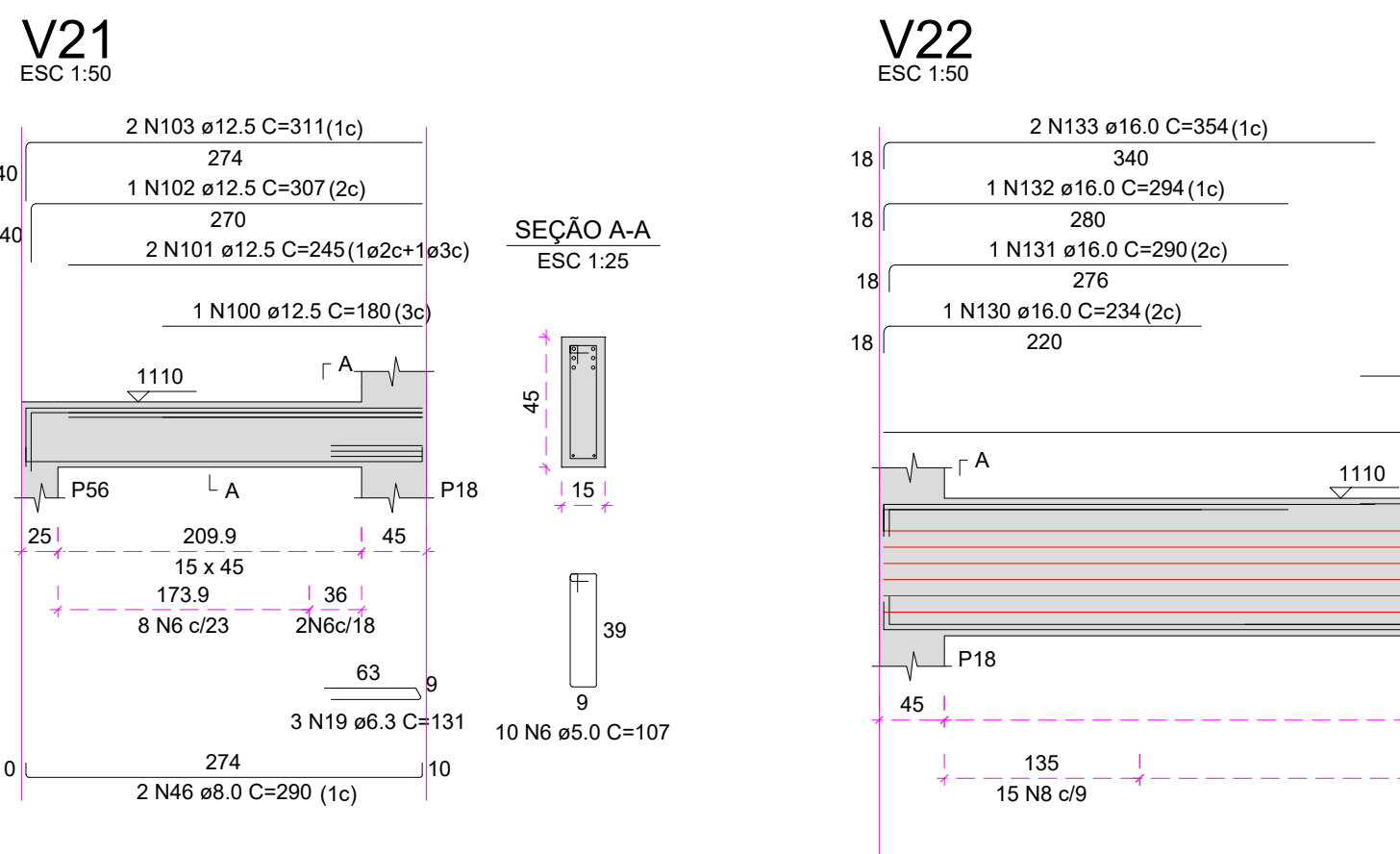
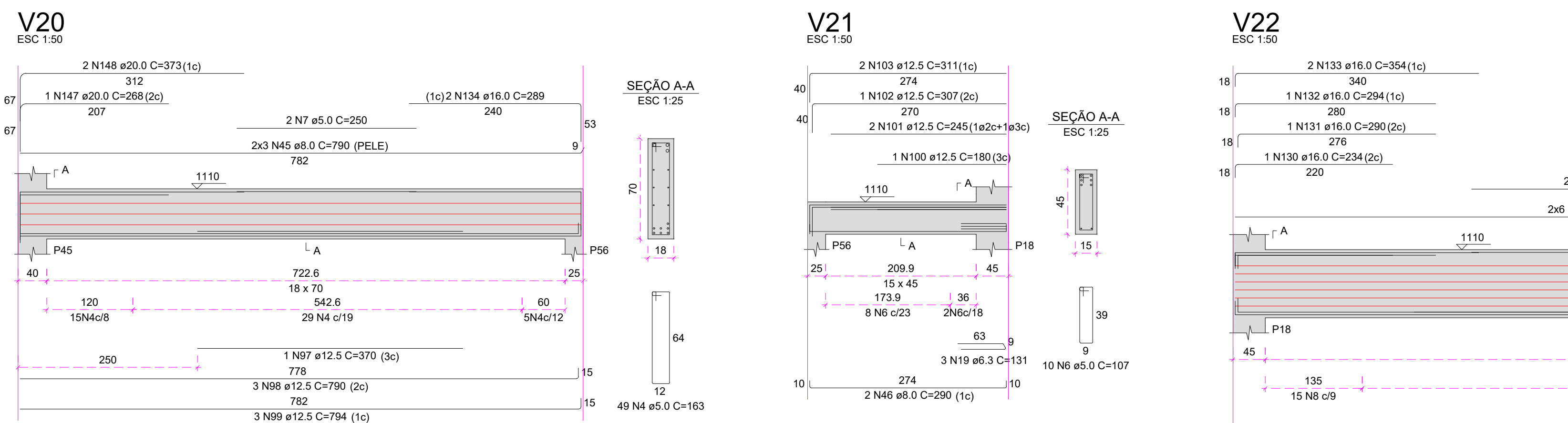
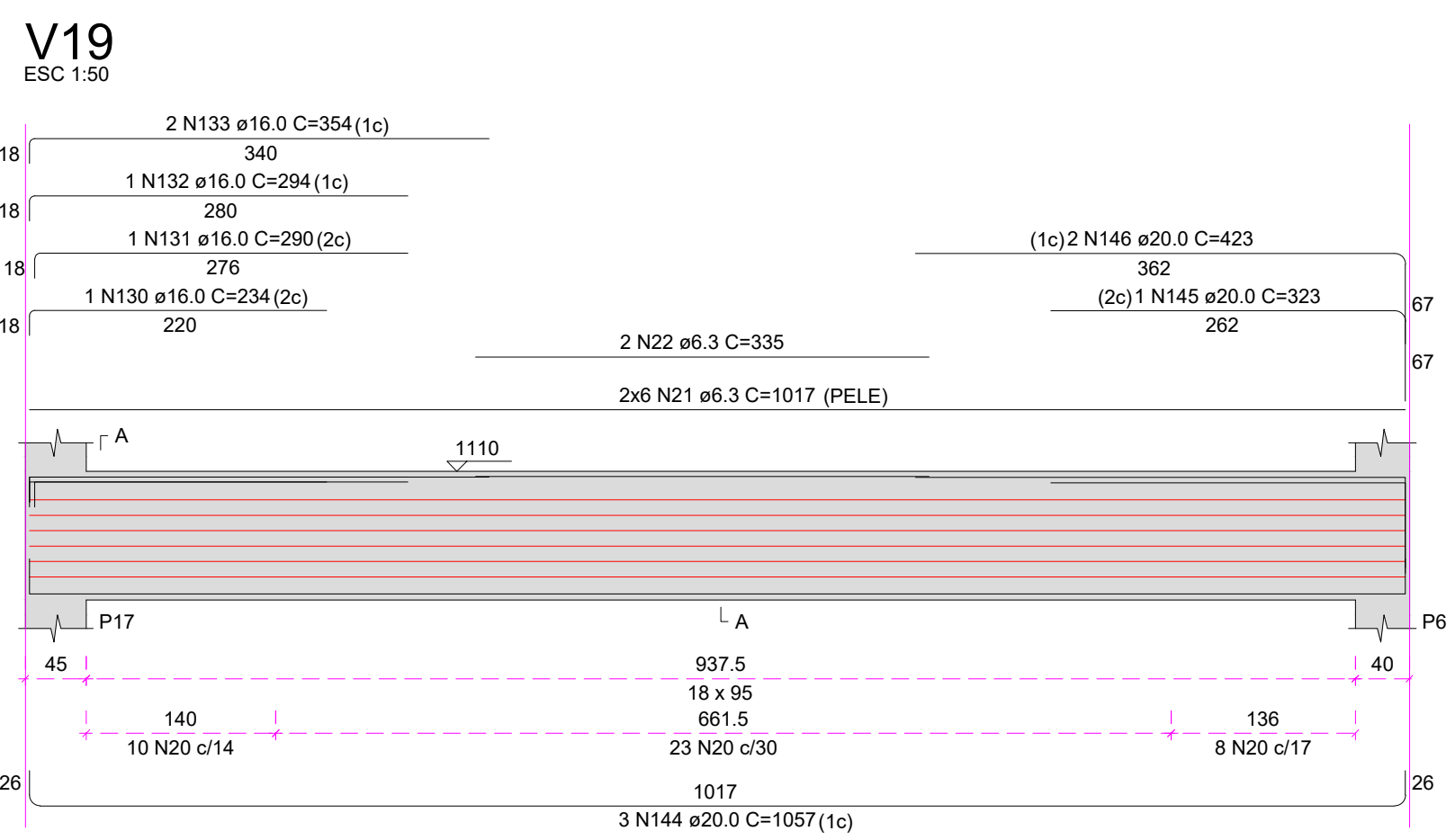
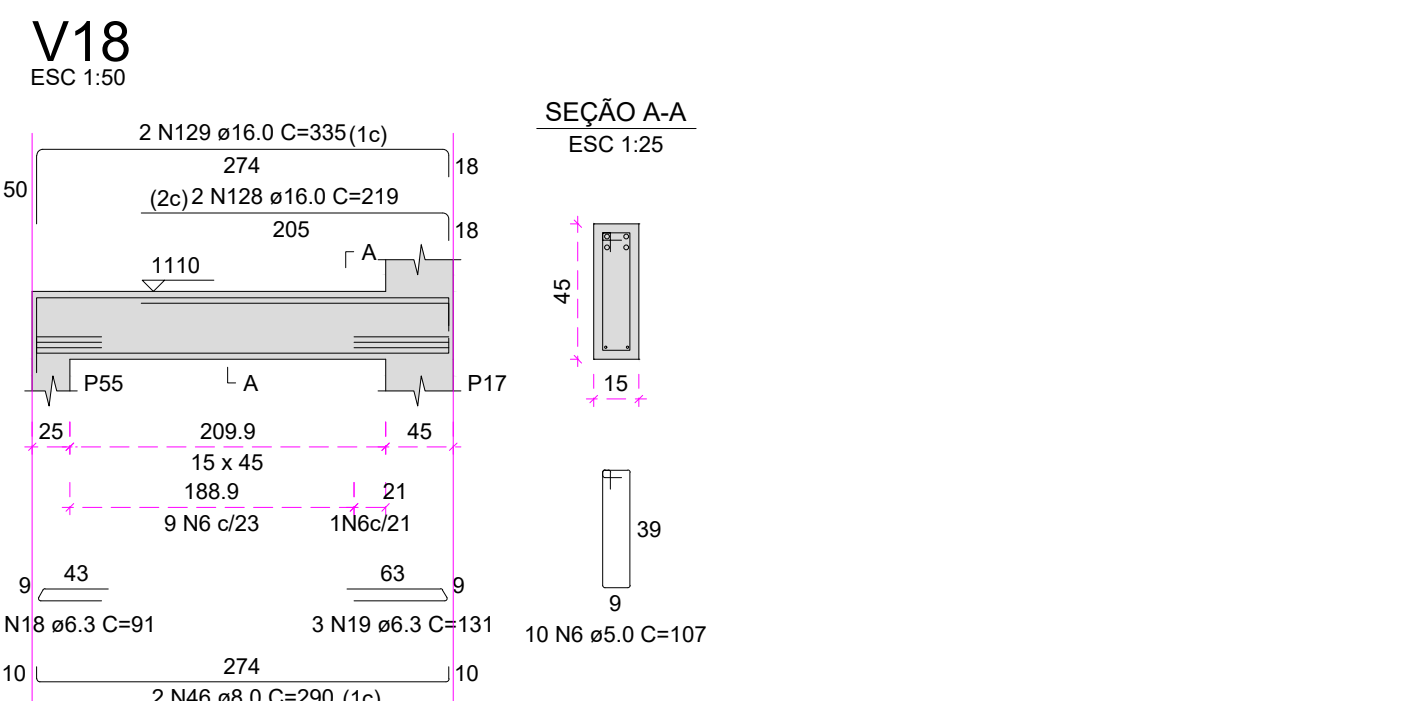
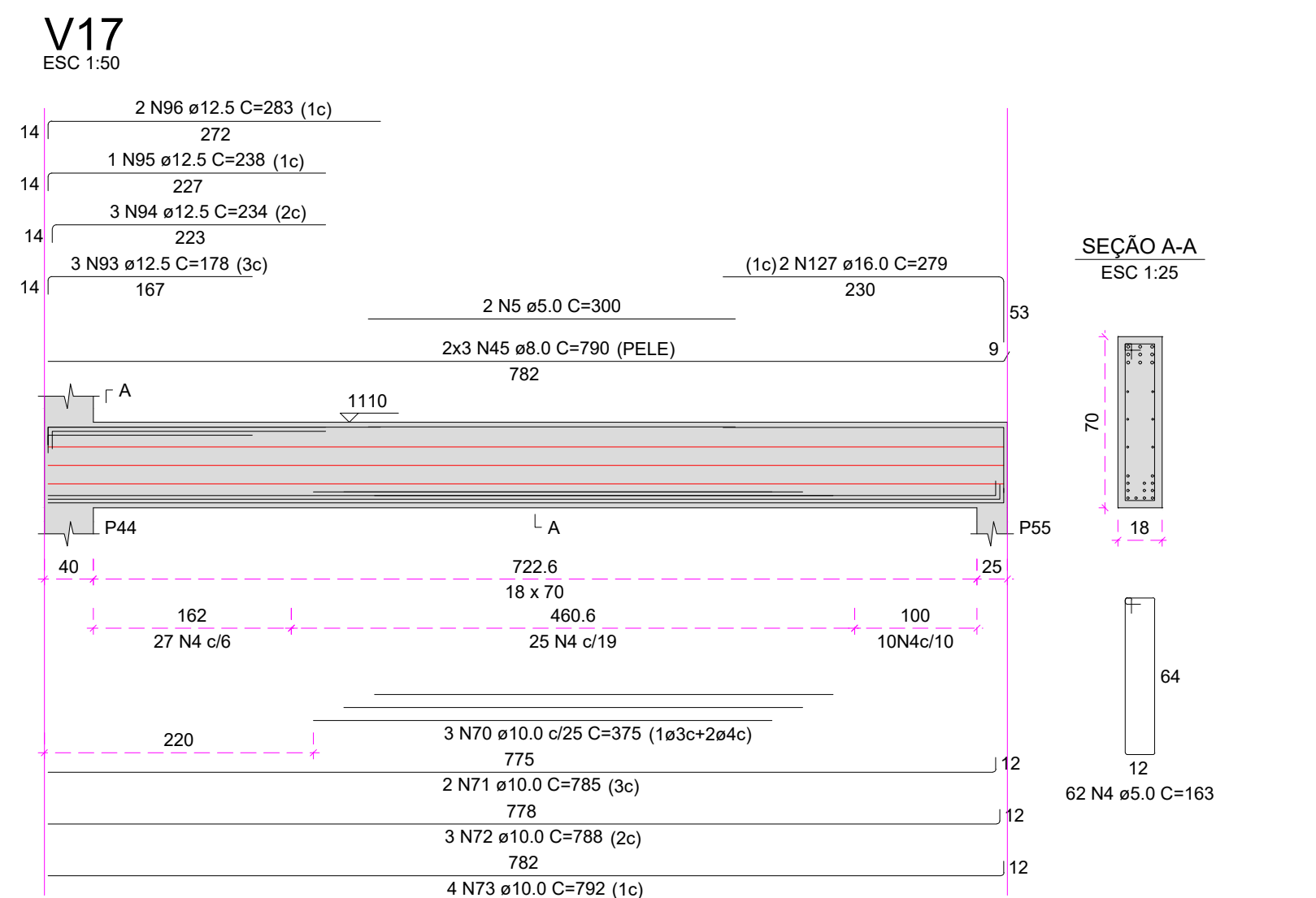
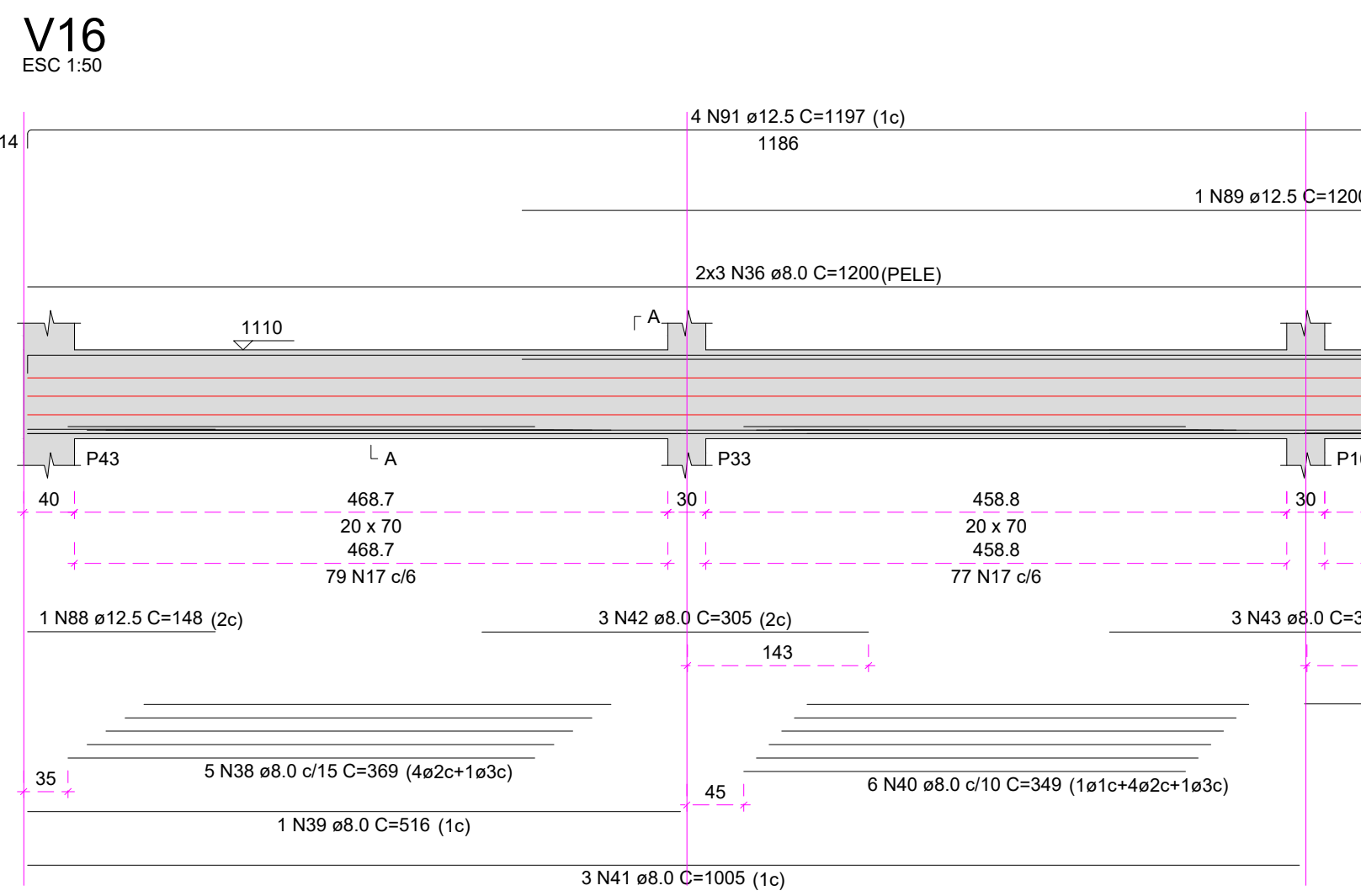
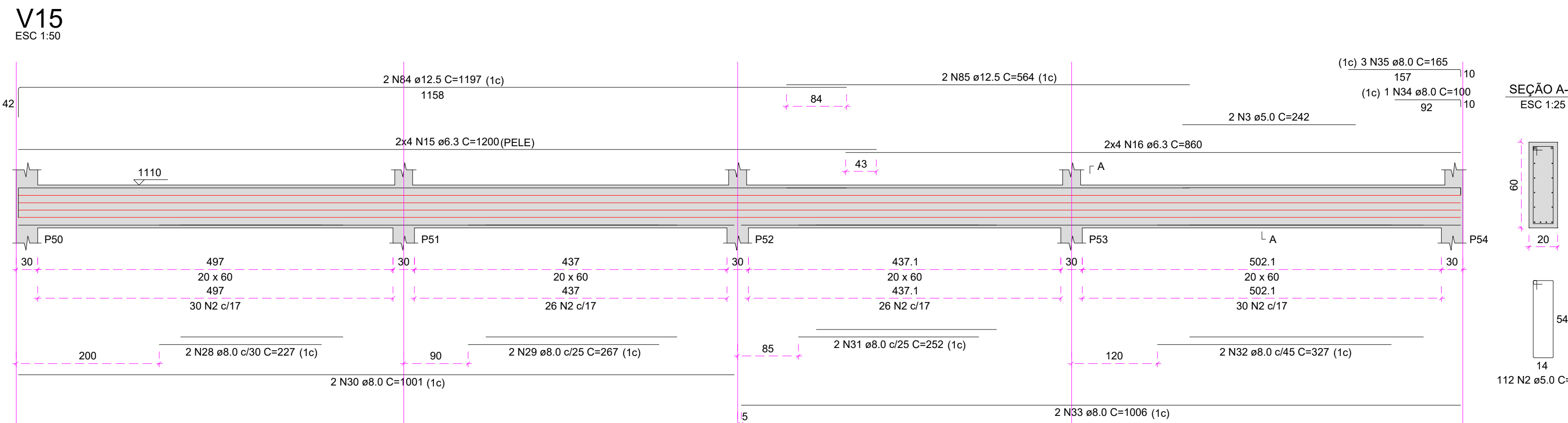
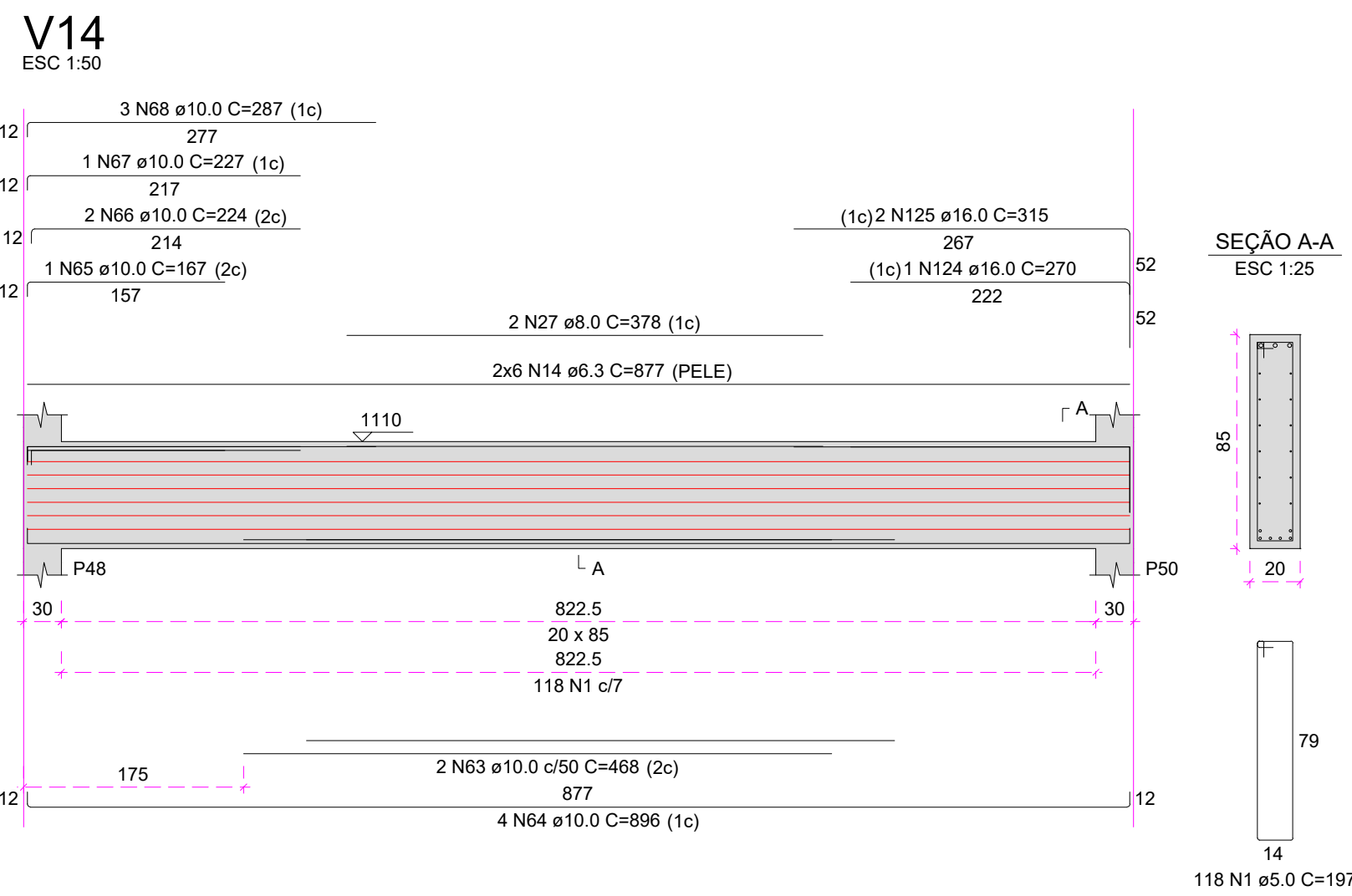
33

QUADRO DE ÁREAS
Área a Construir: 3,905.91 m²



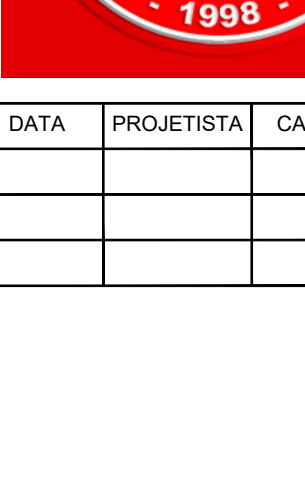
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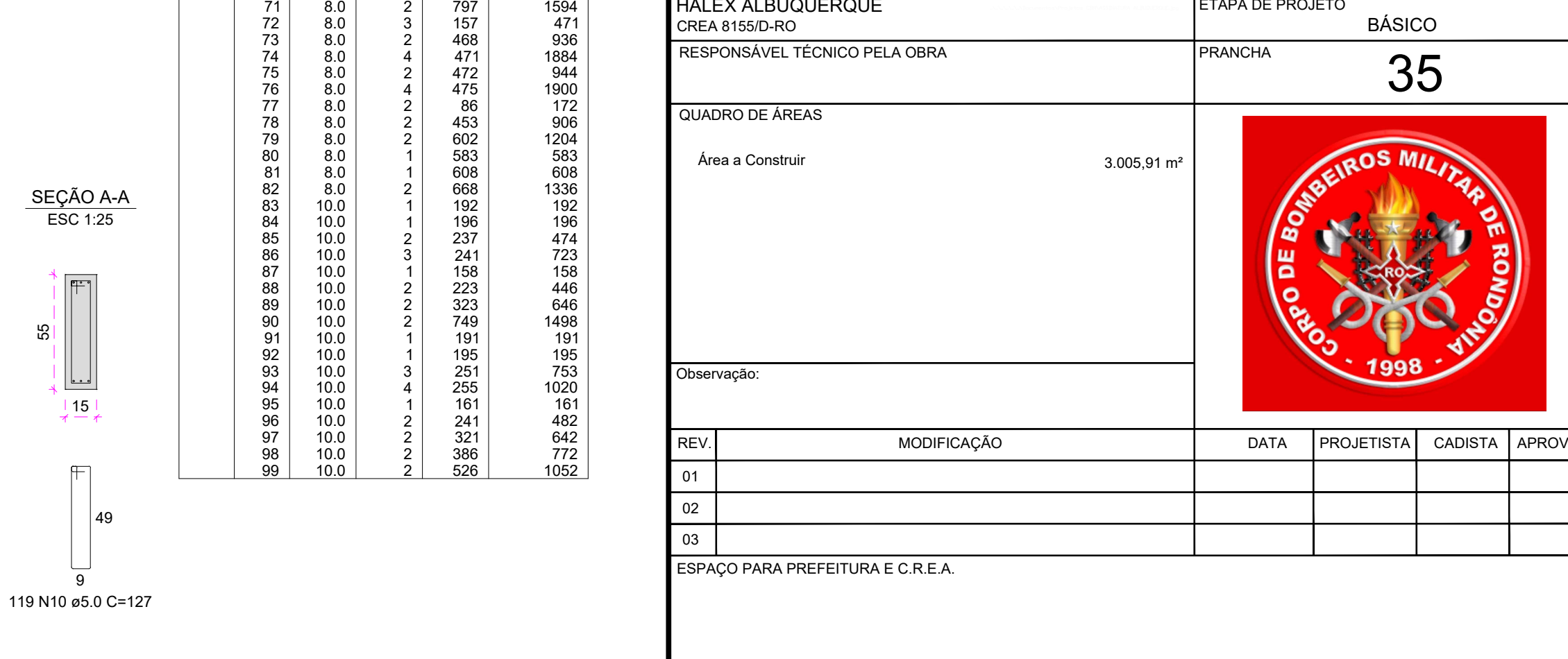
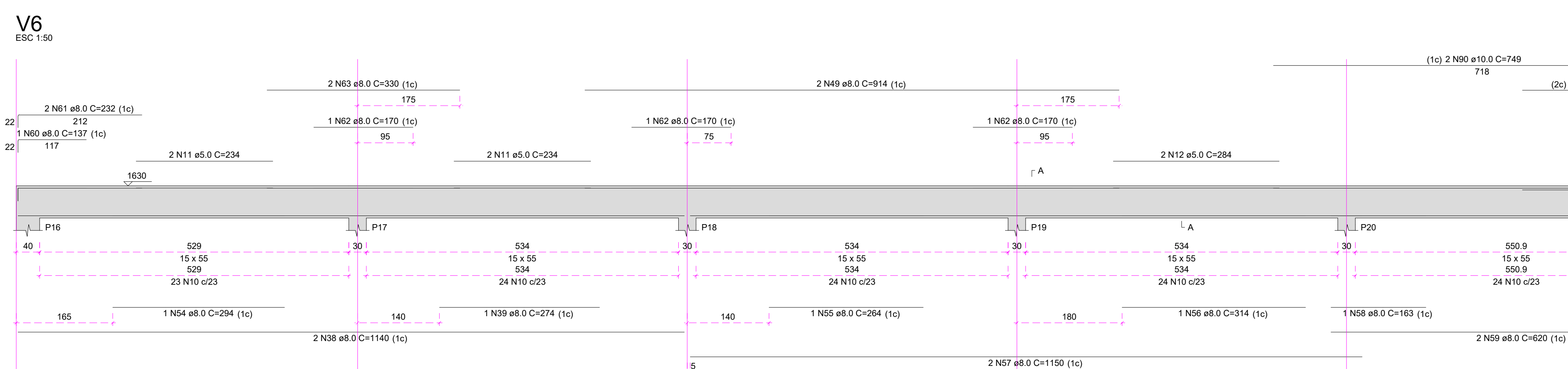
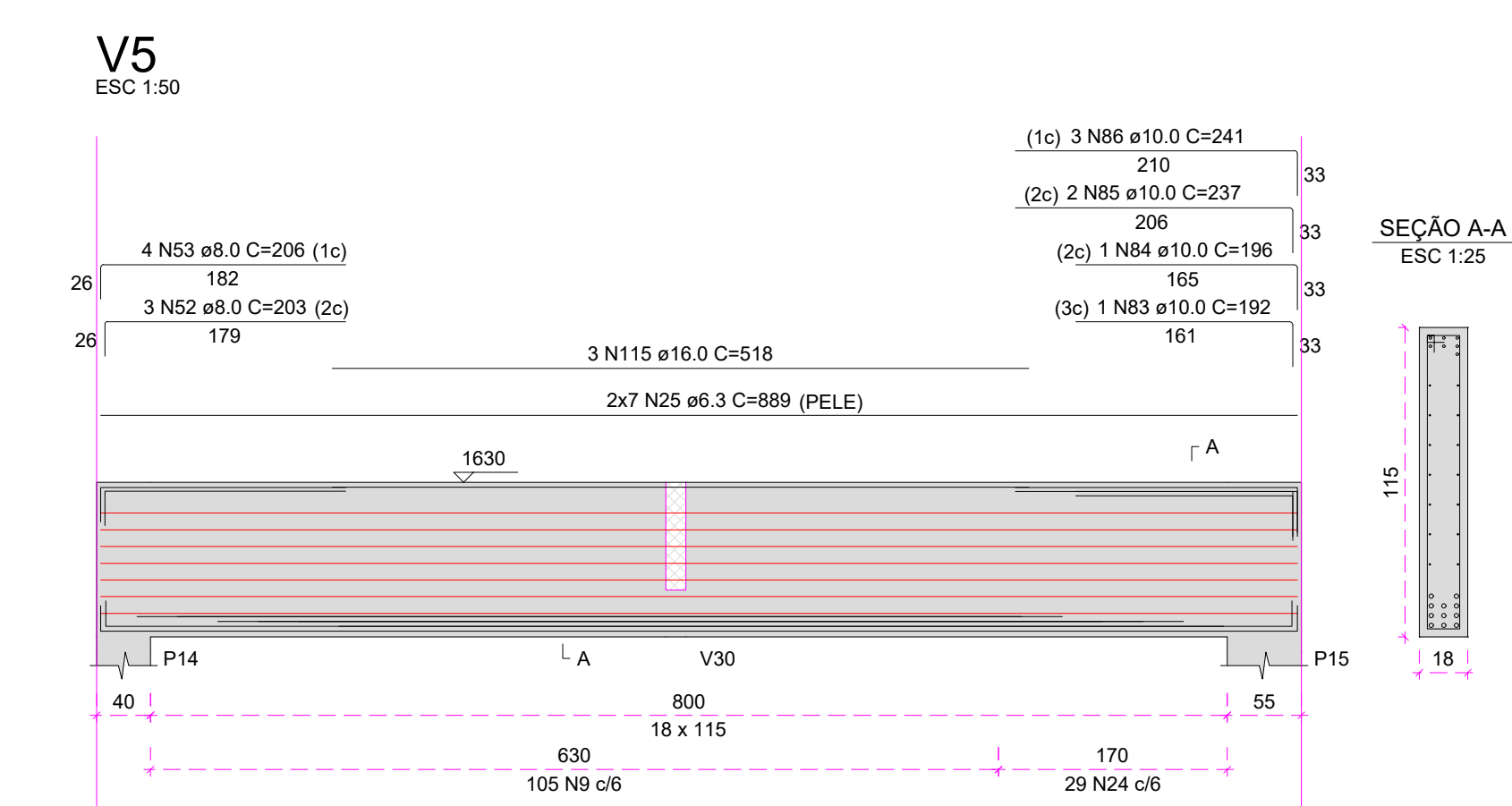
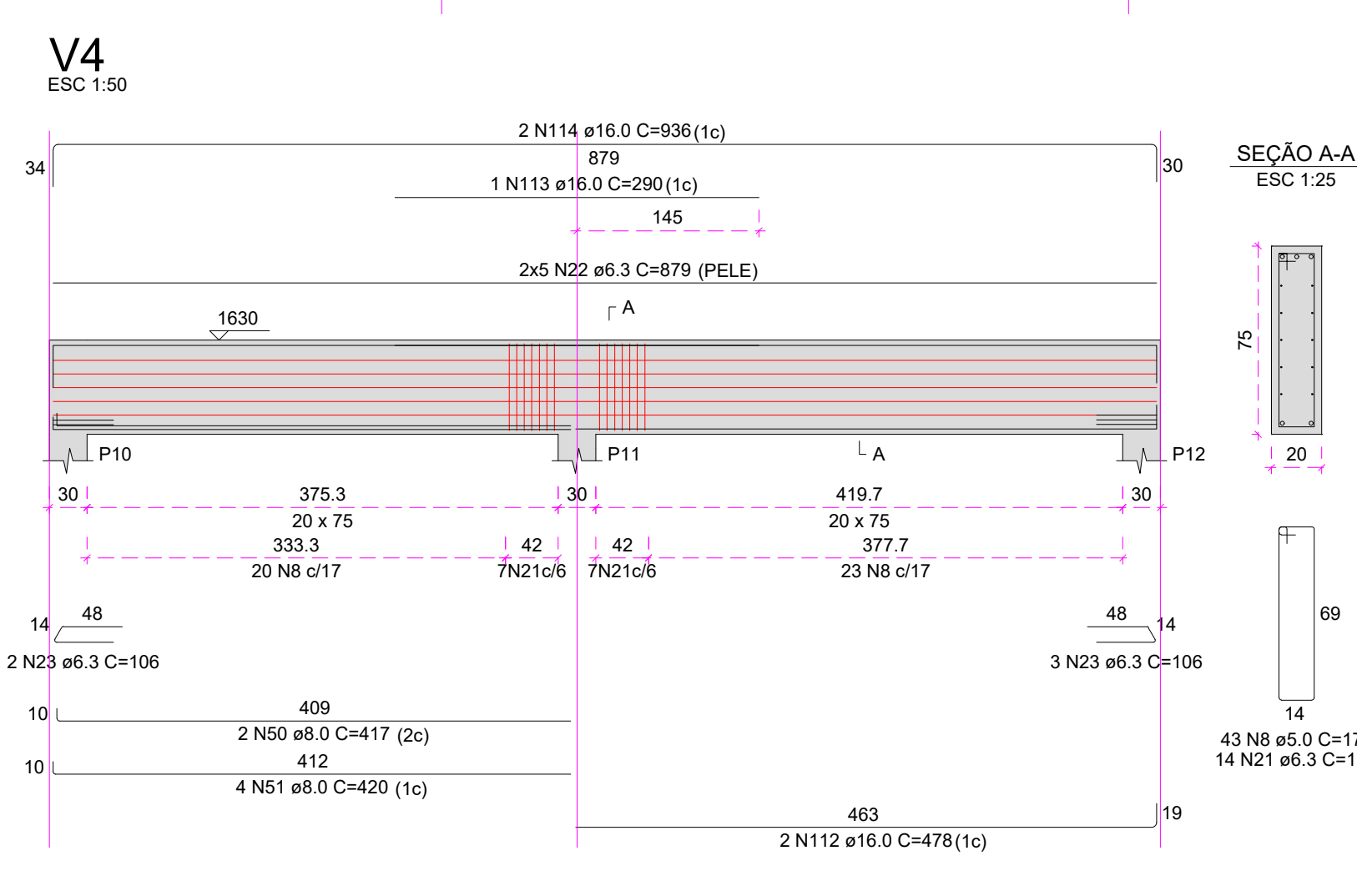
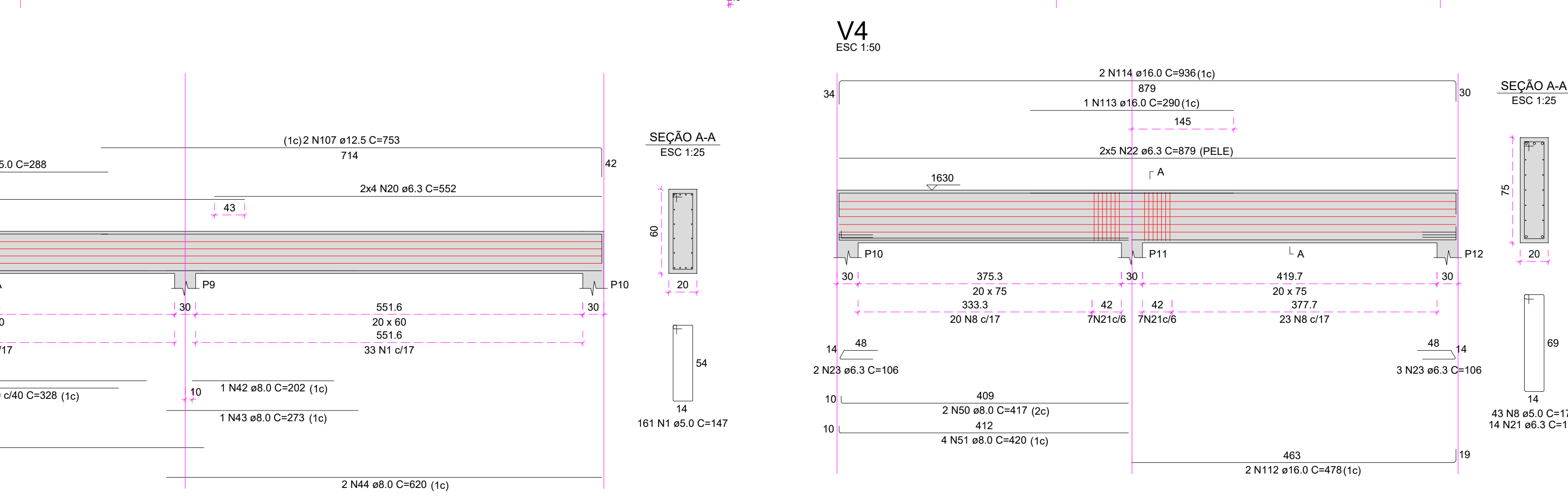
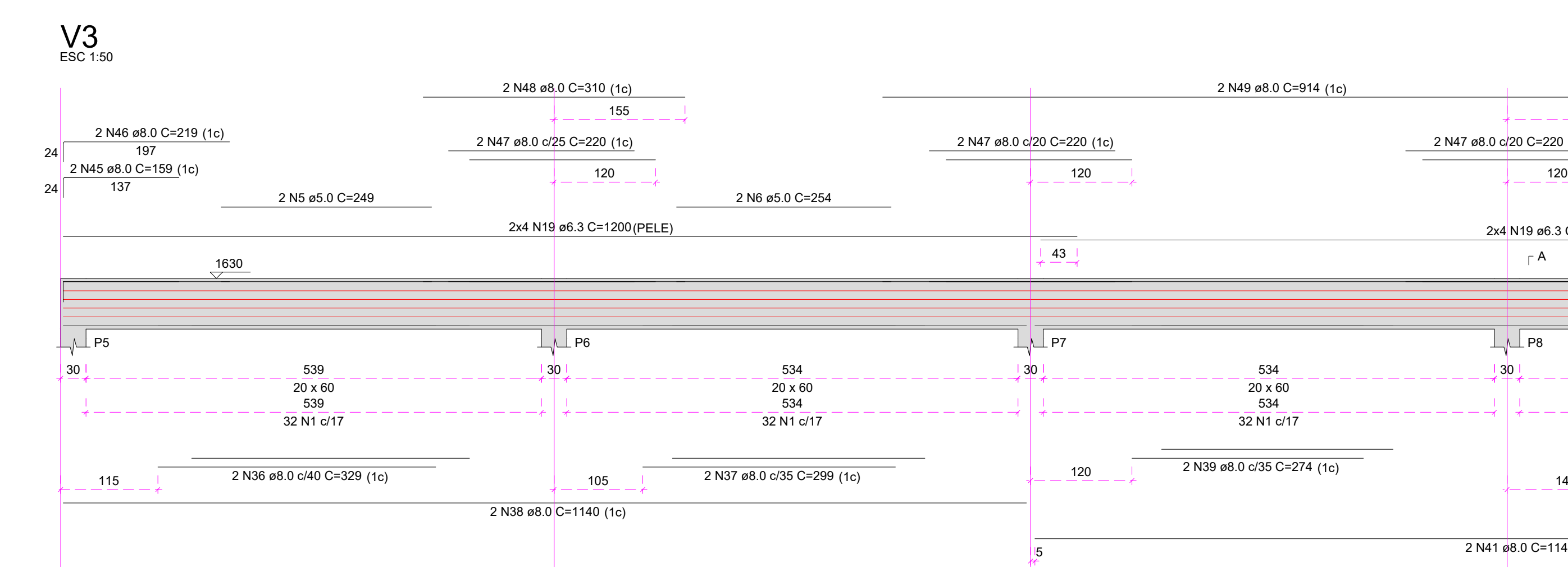
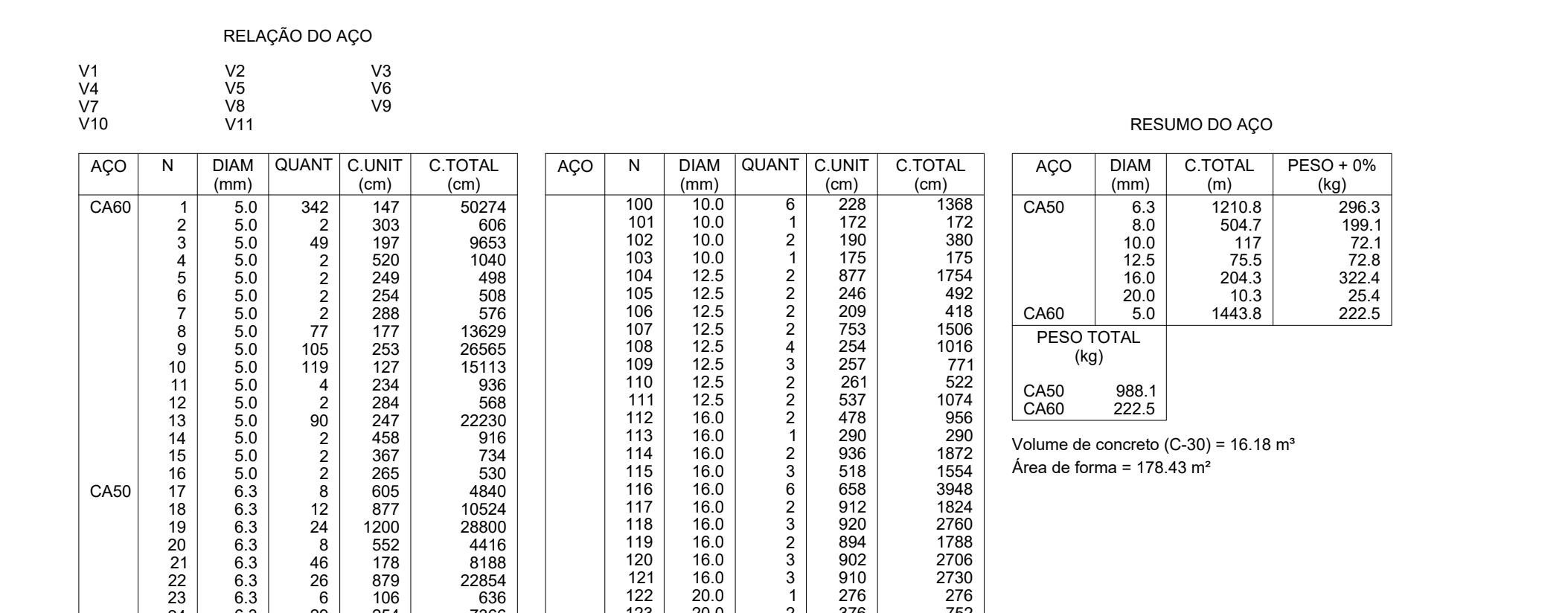
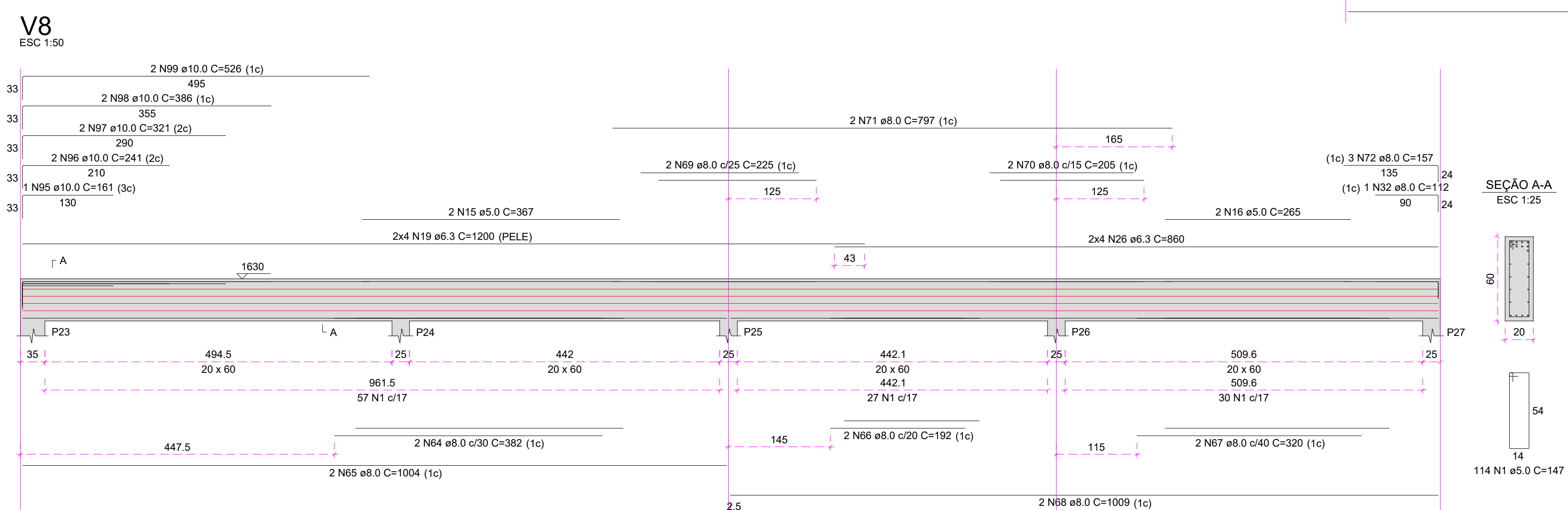
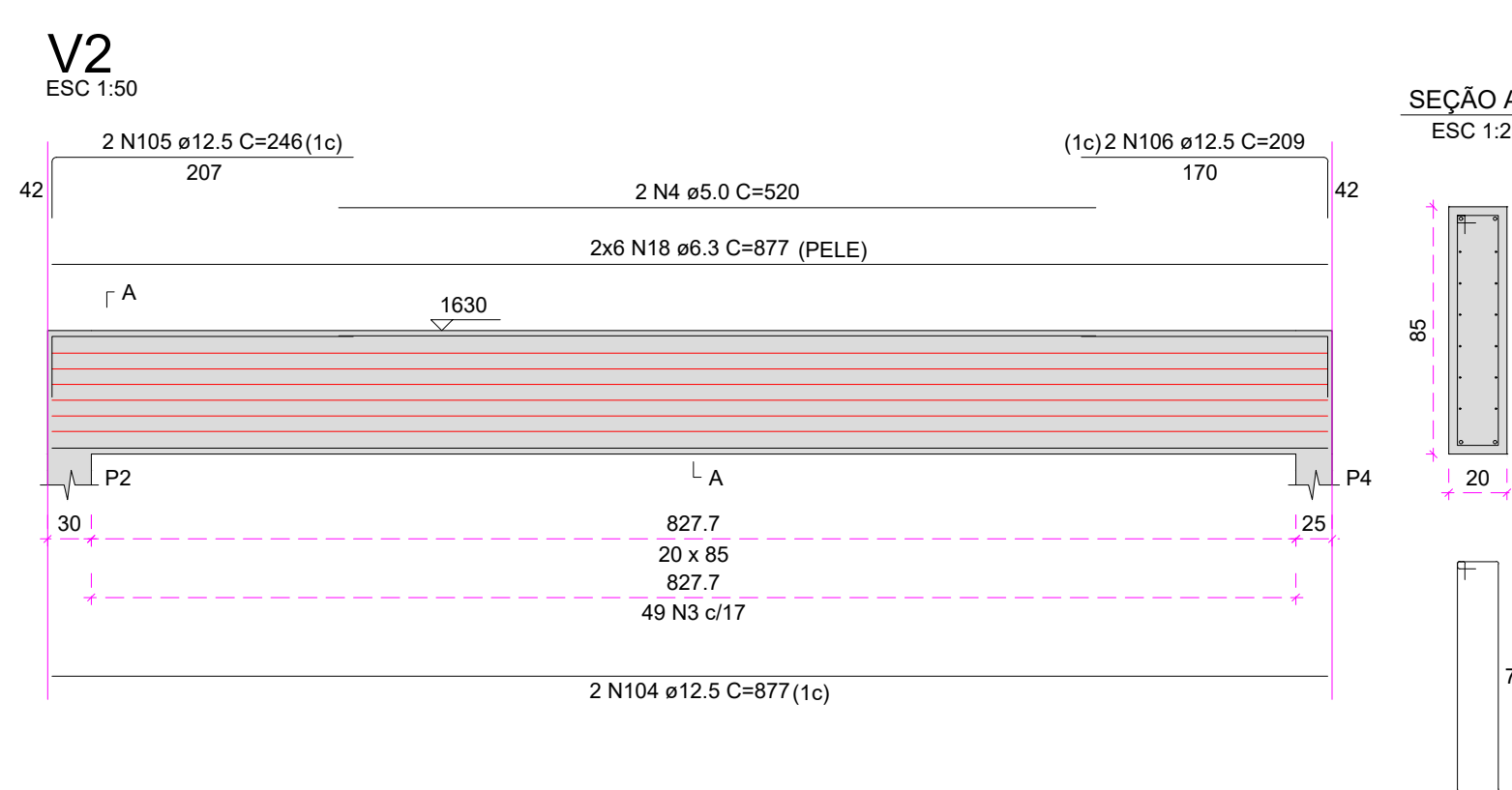
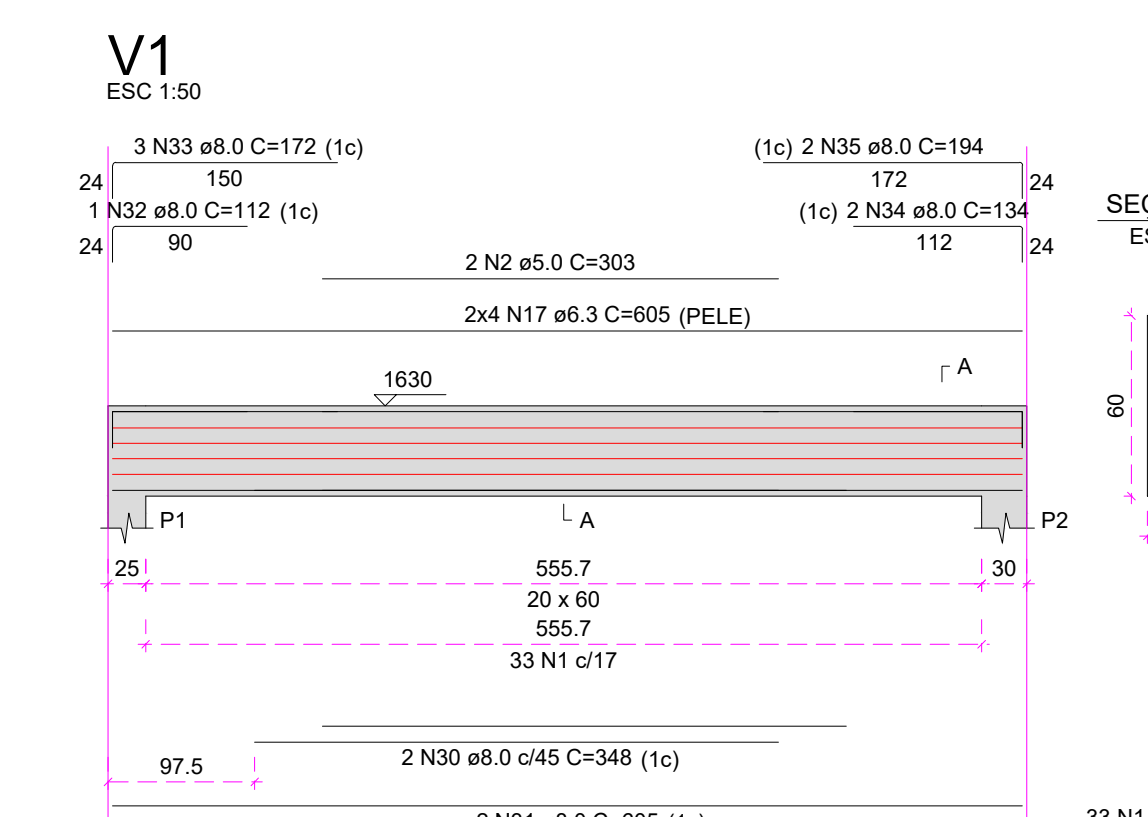
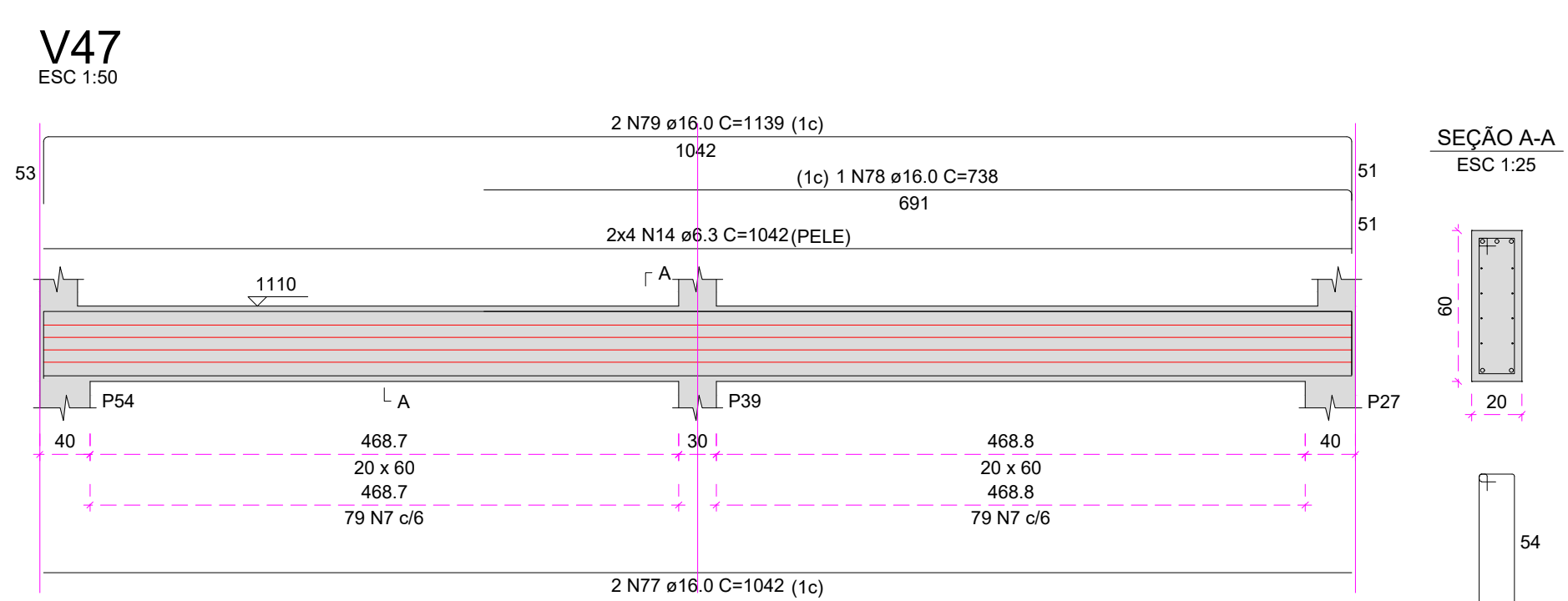
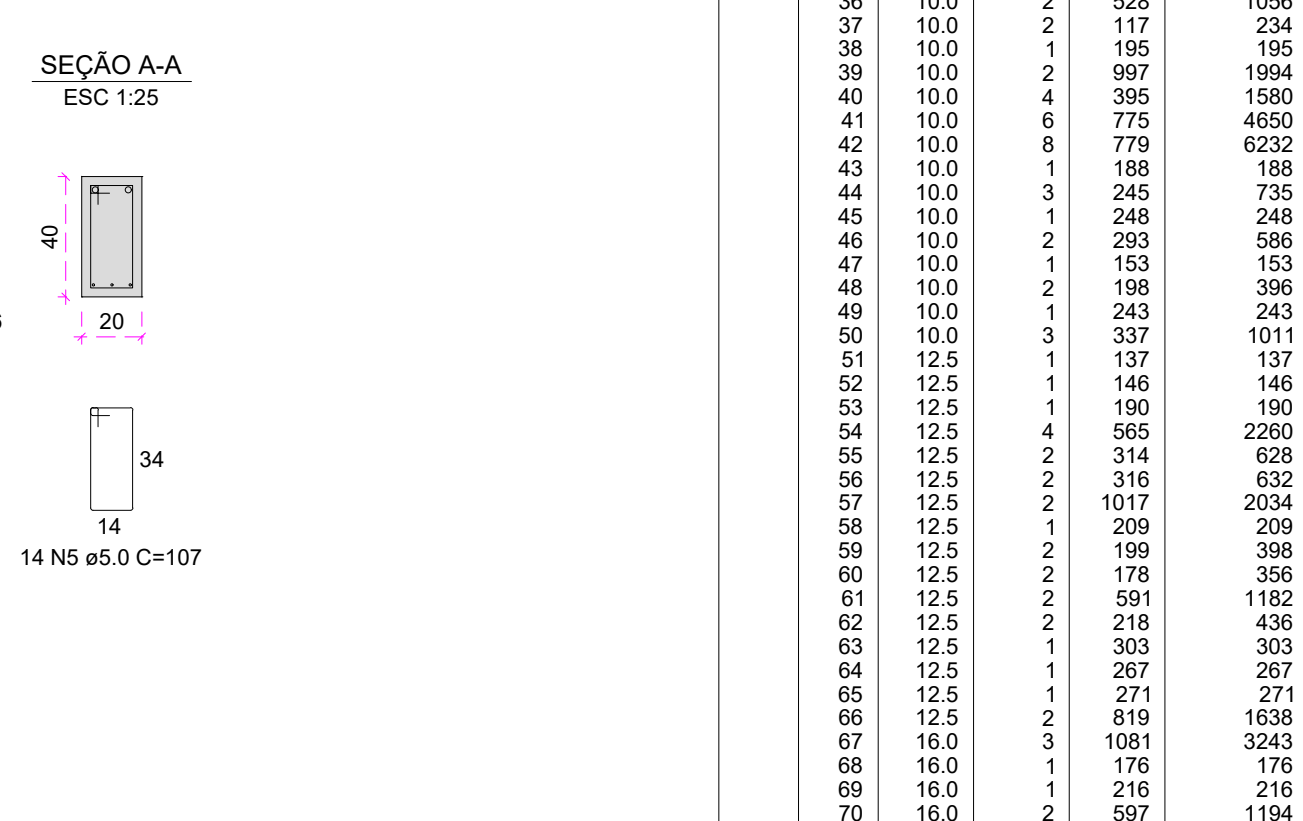
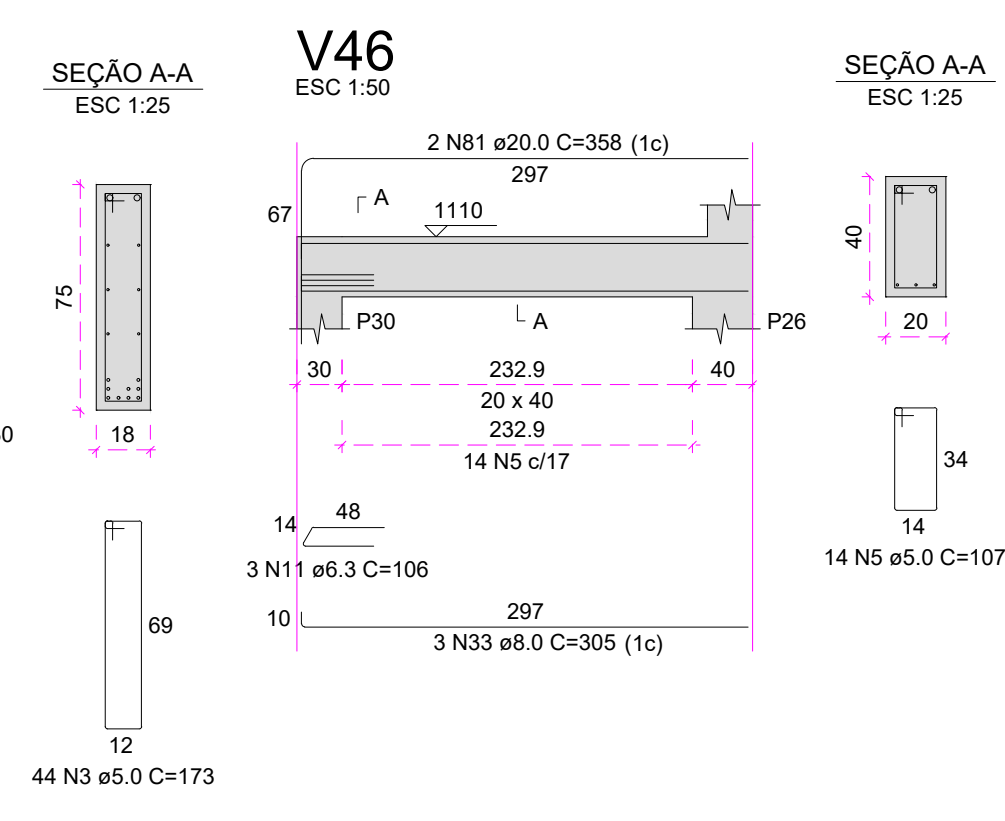
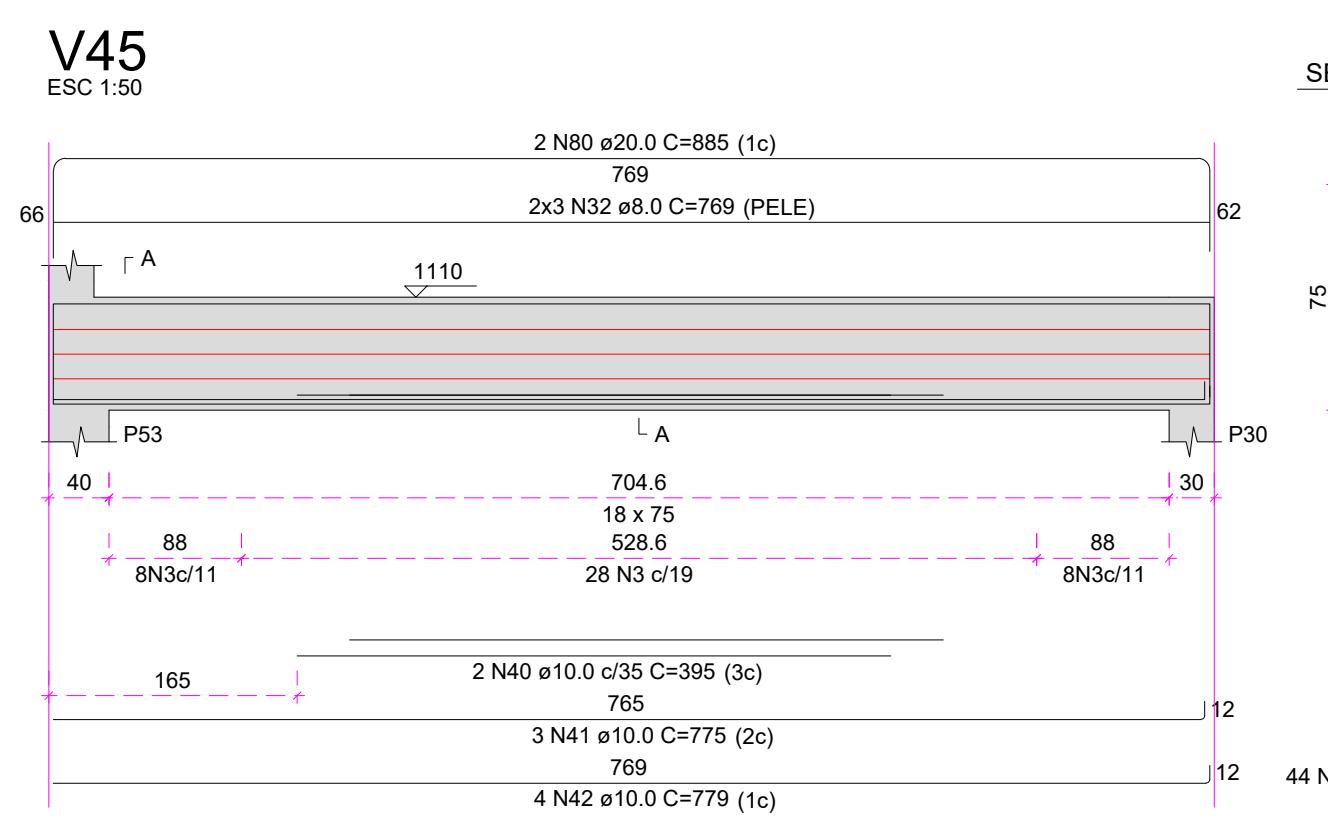
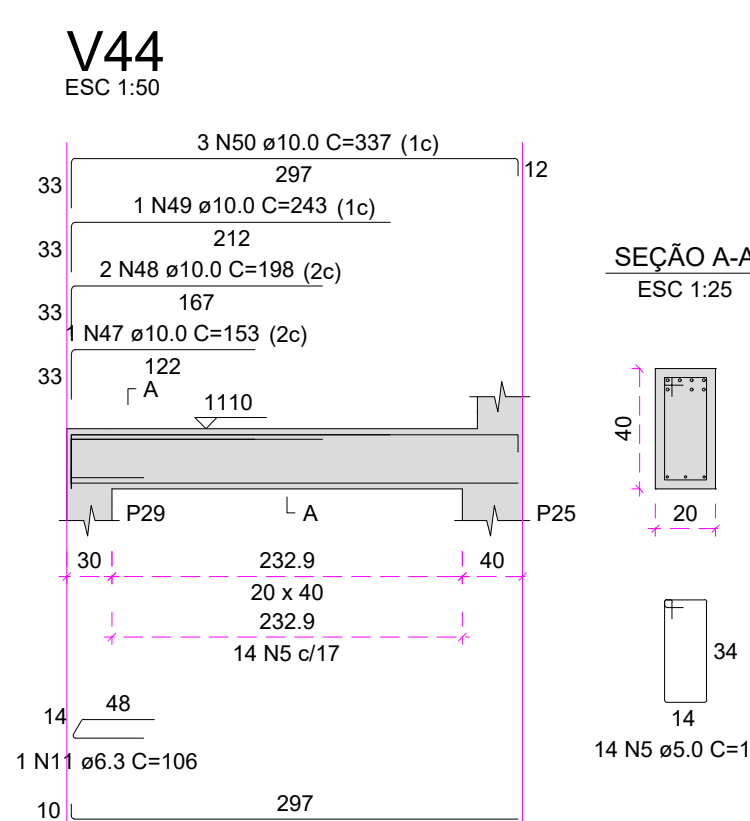
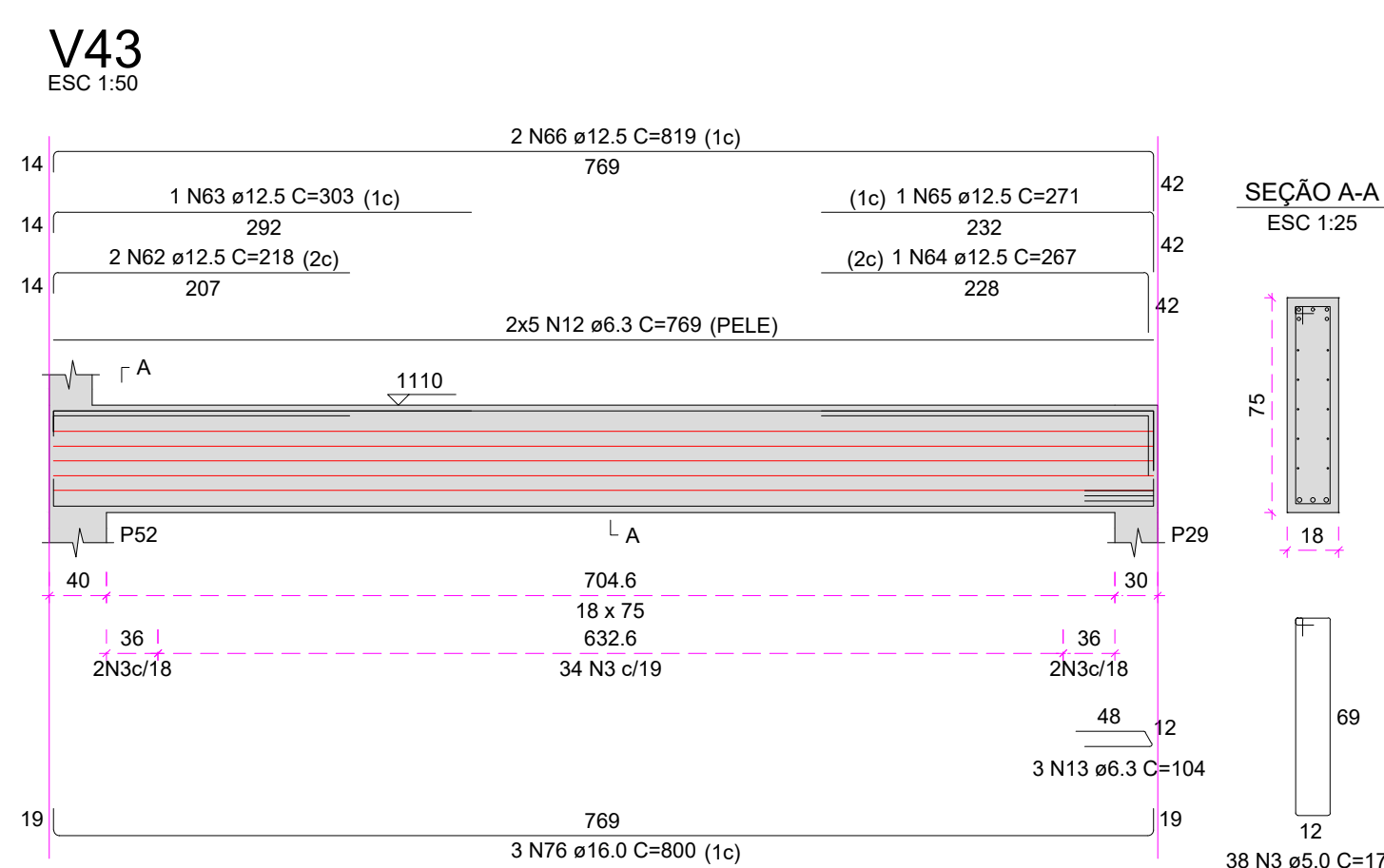
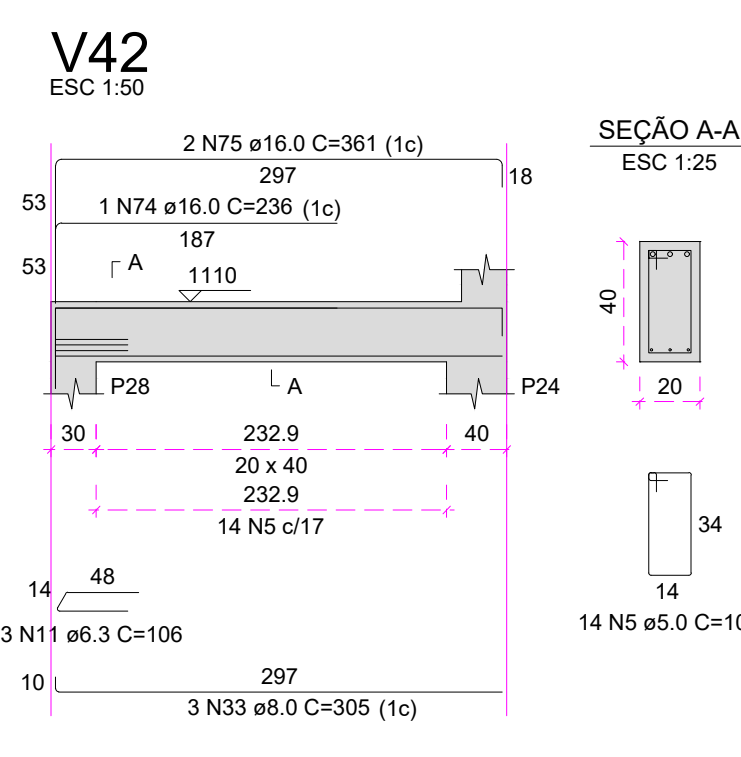
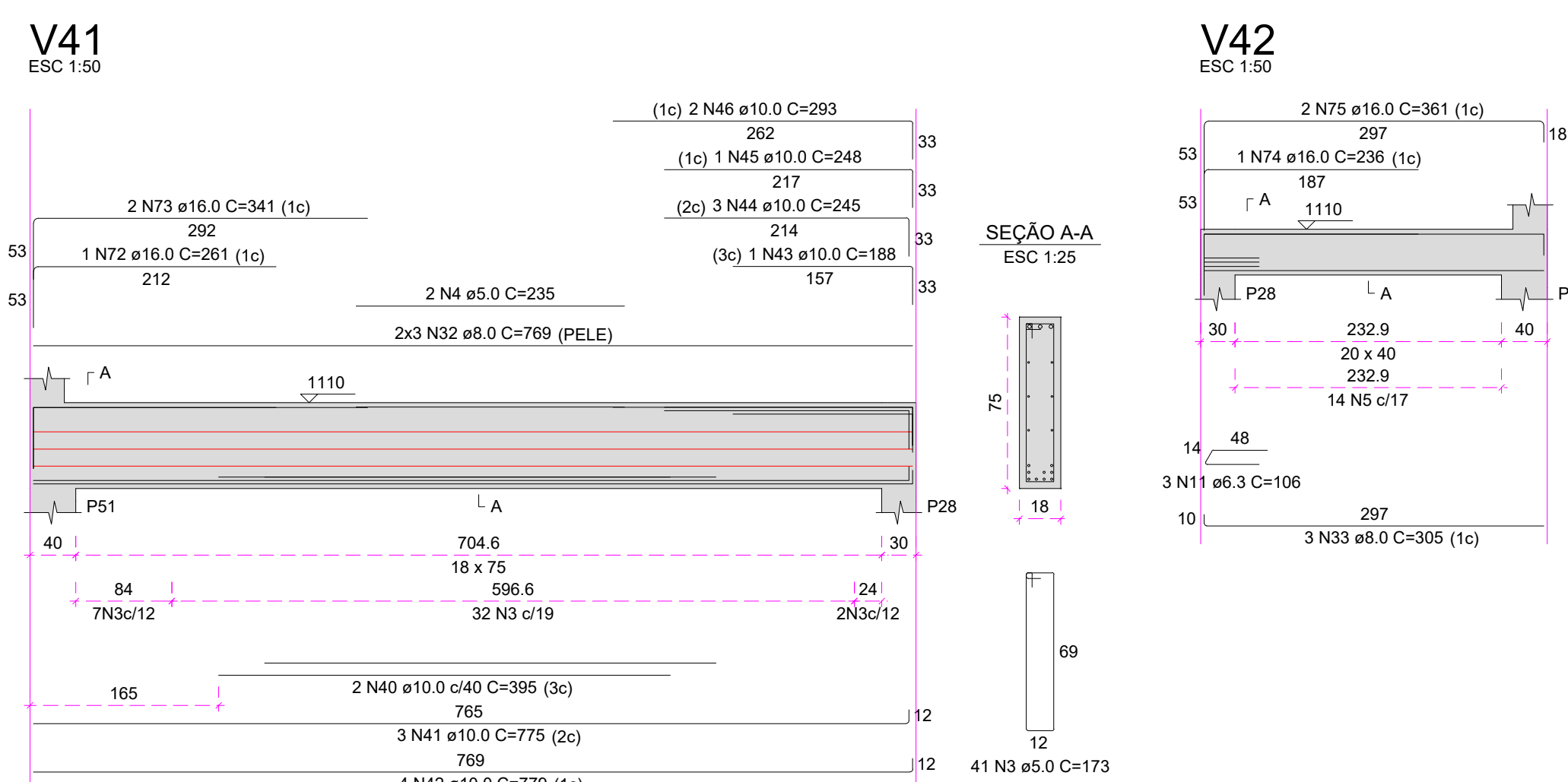
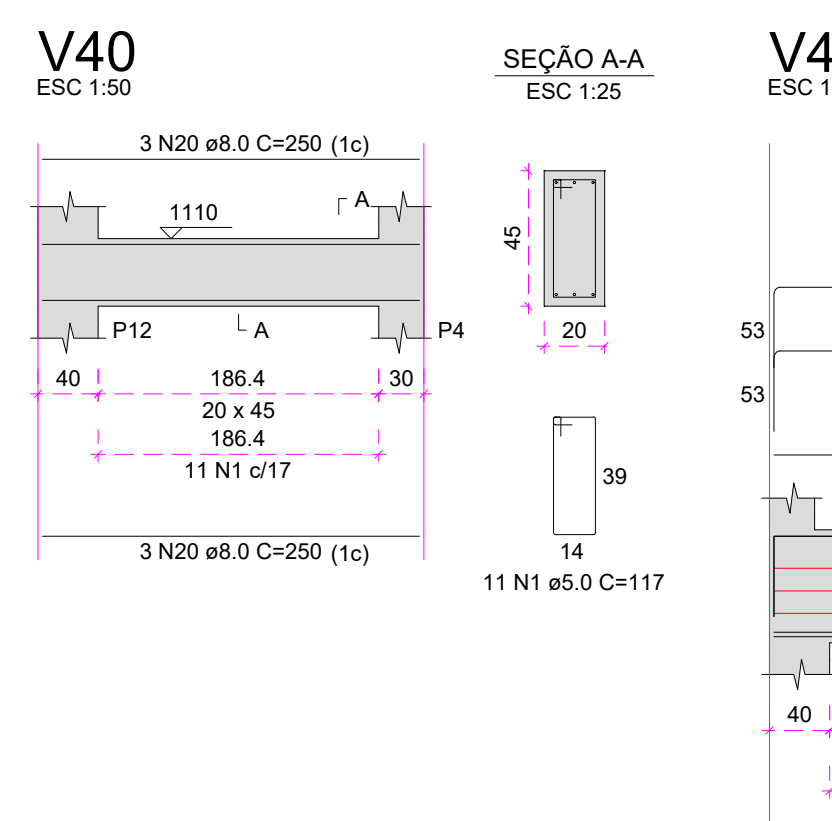
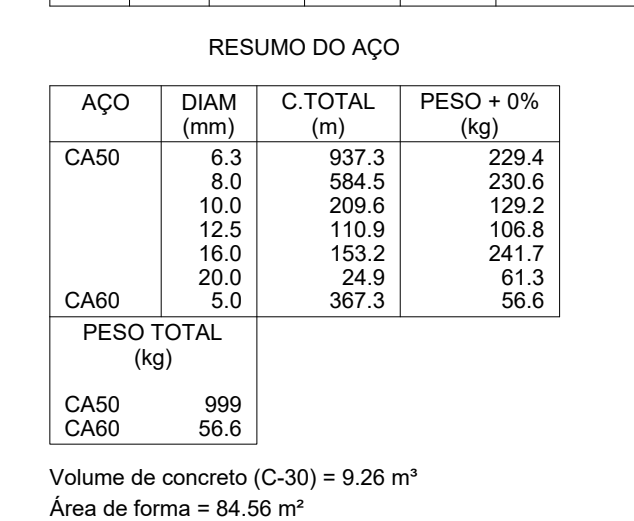
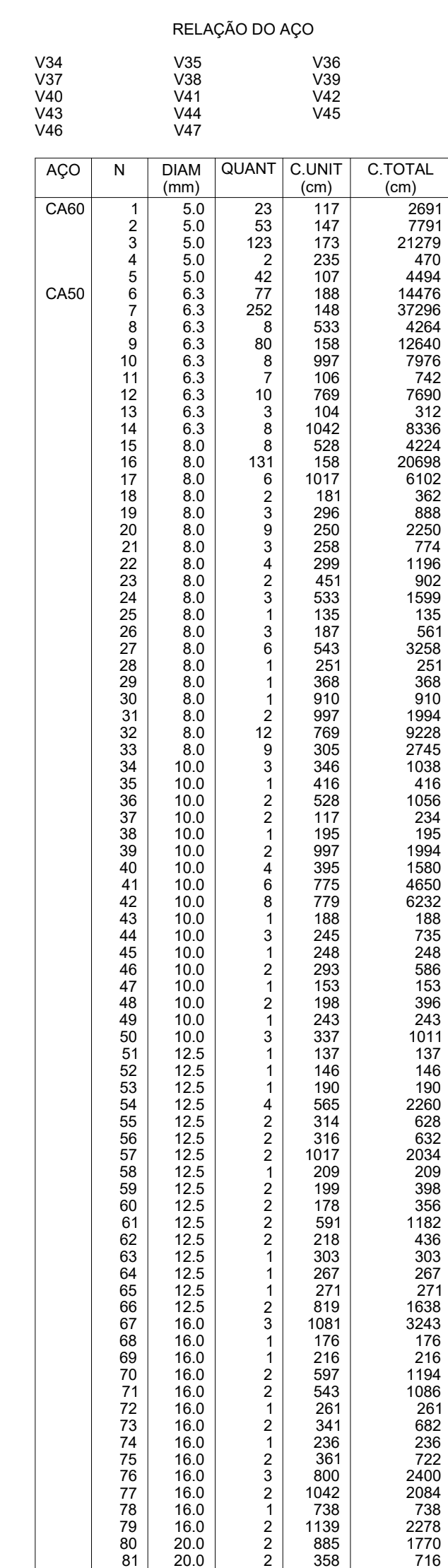
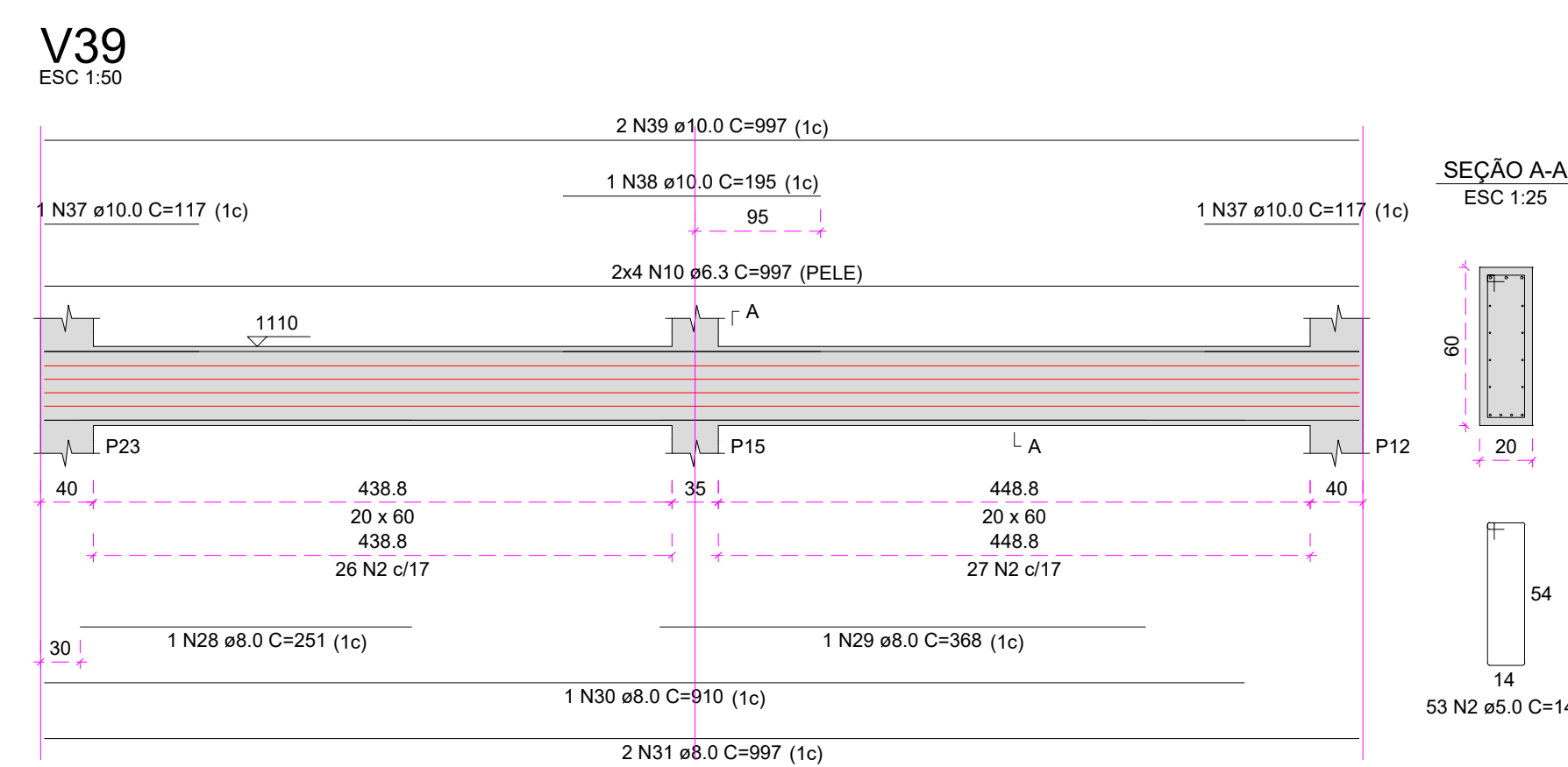
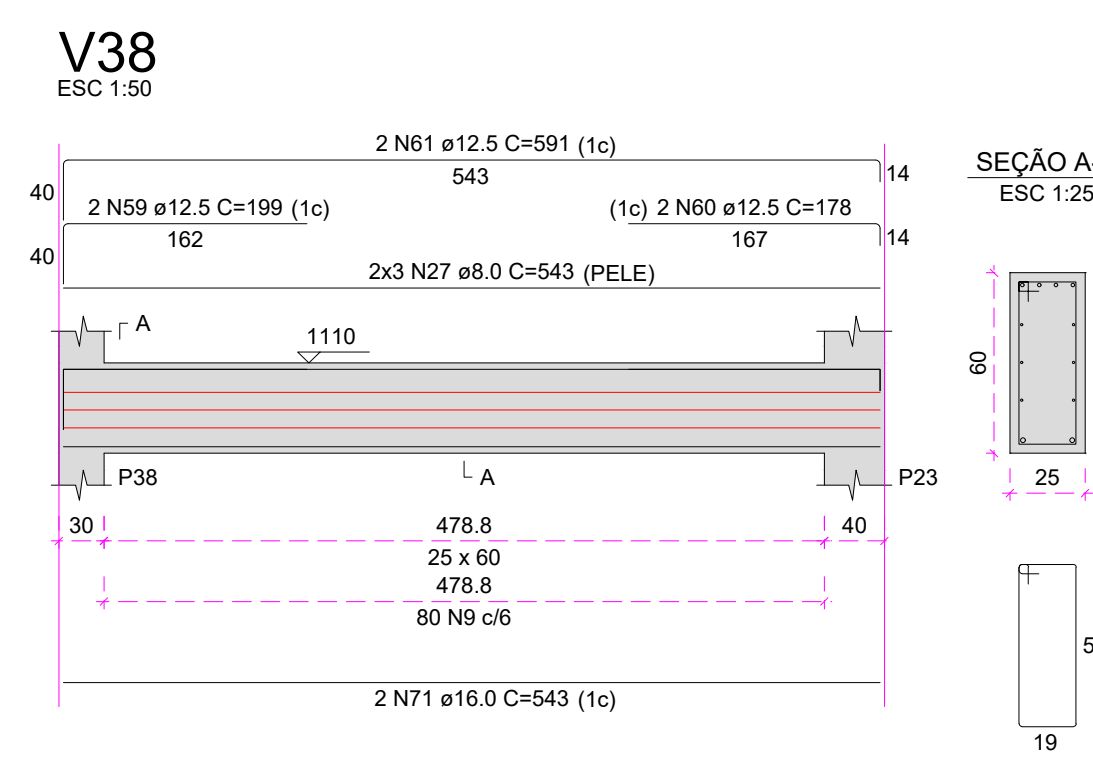
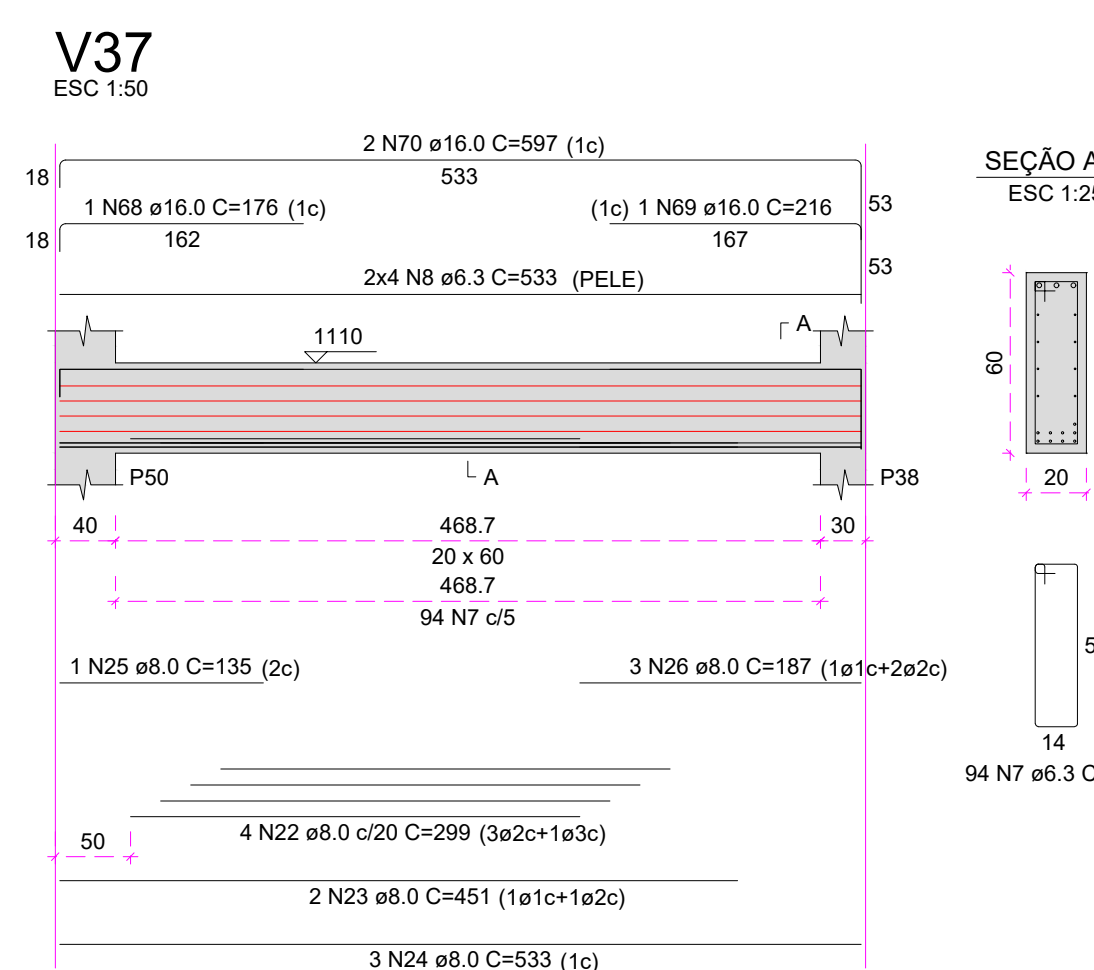
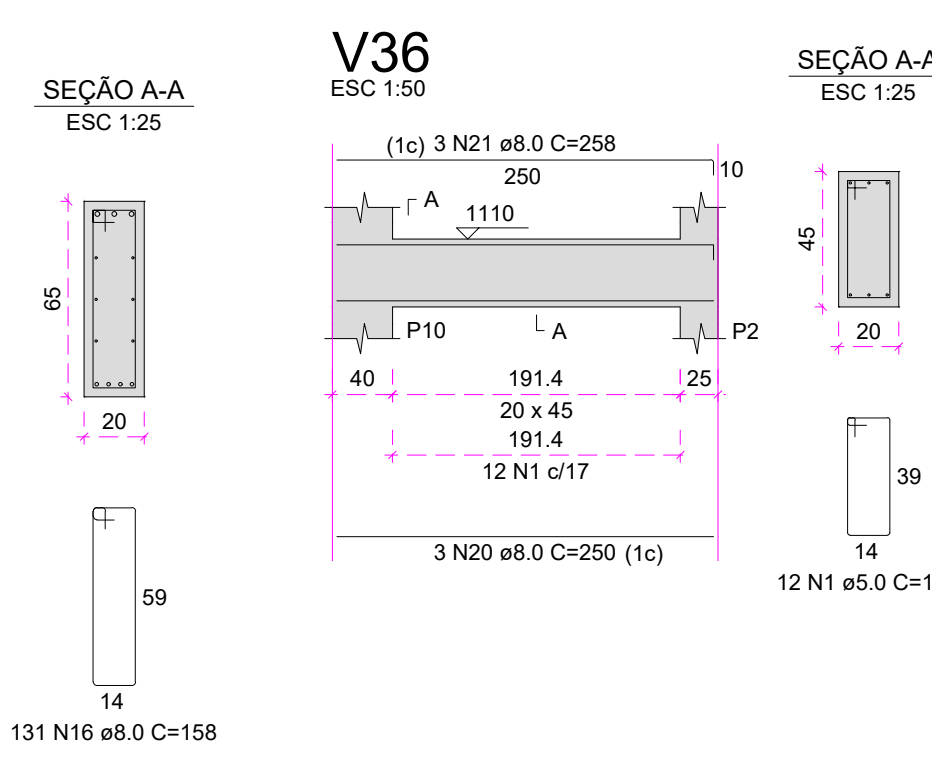
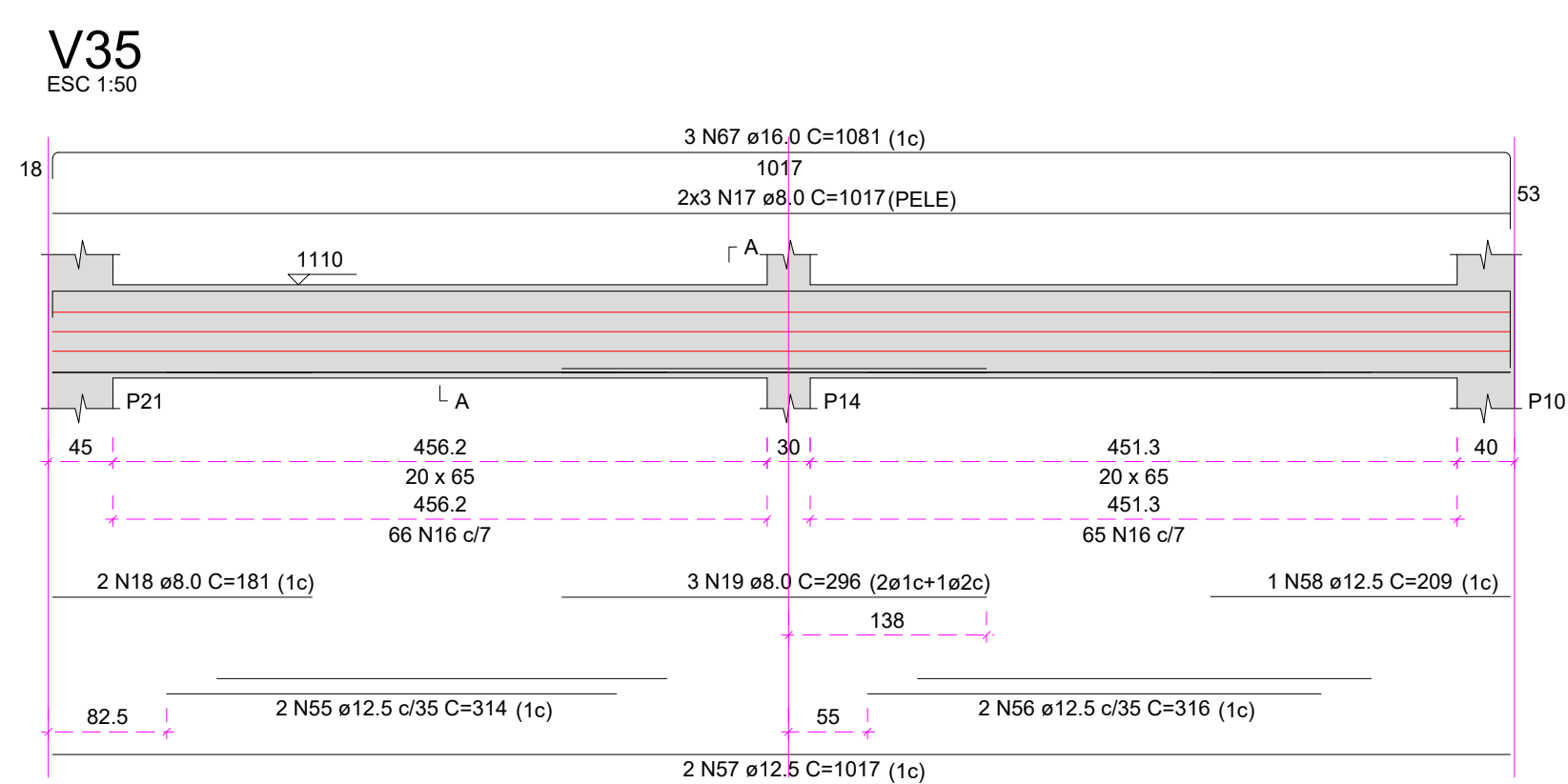
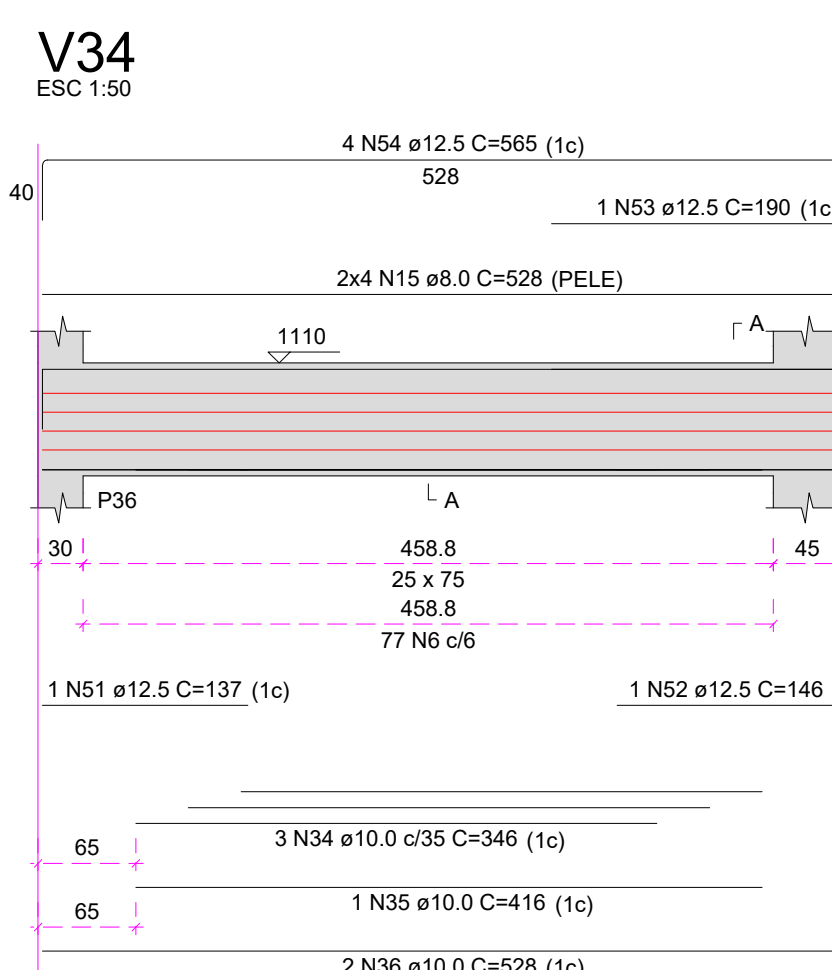
REV	MODIFICAÇÃO	DATA	PROJETISTA	CADISTA	APROVO
01					
02					
03					

ESPAÇO PARA PREFEITURA E C.R.E.A.

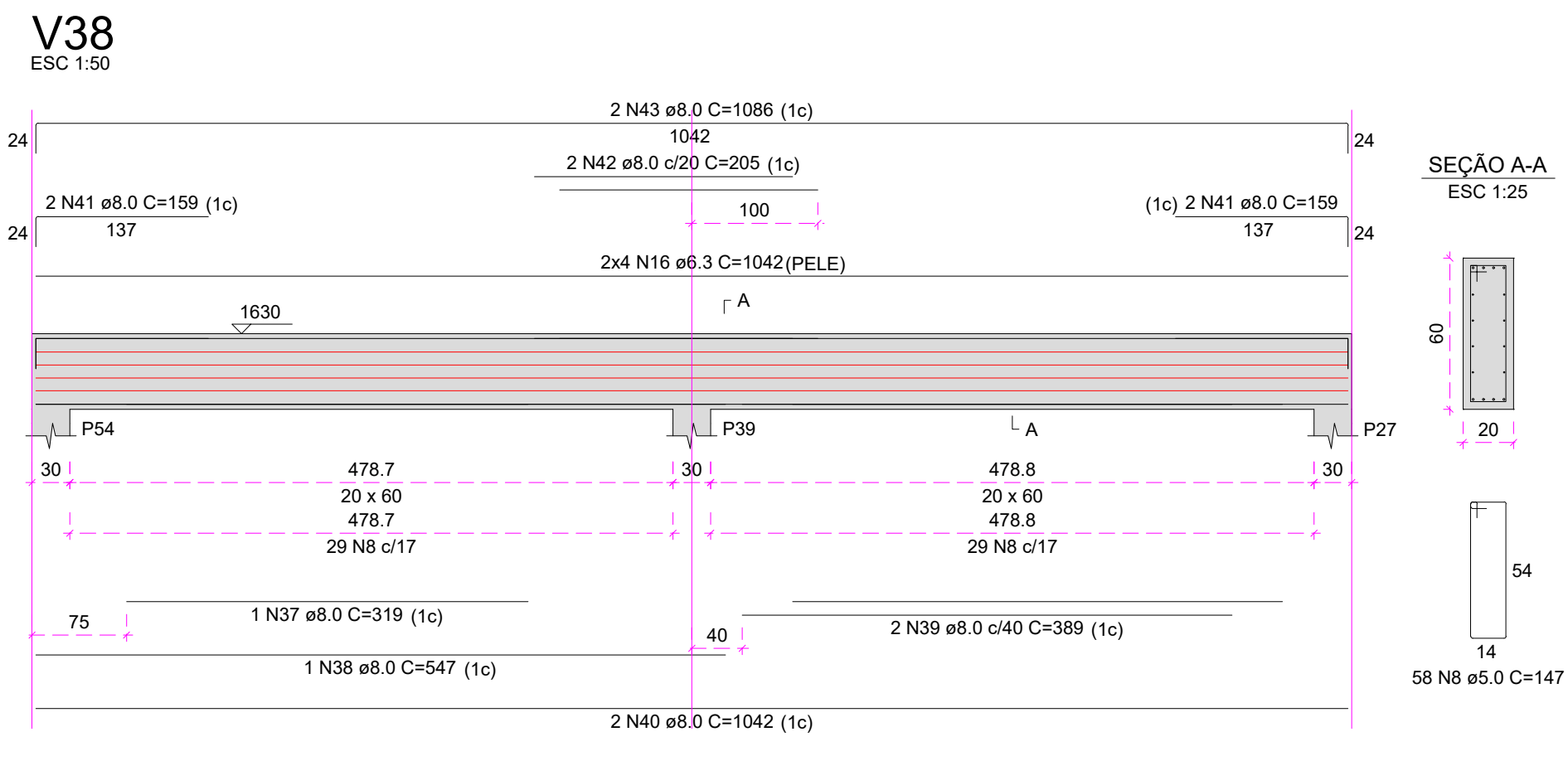
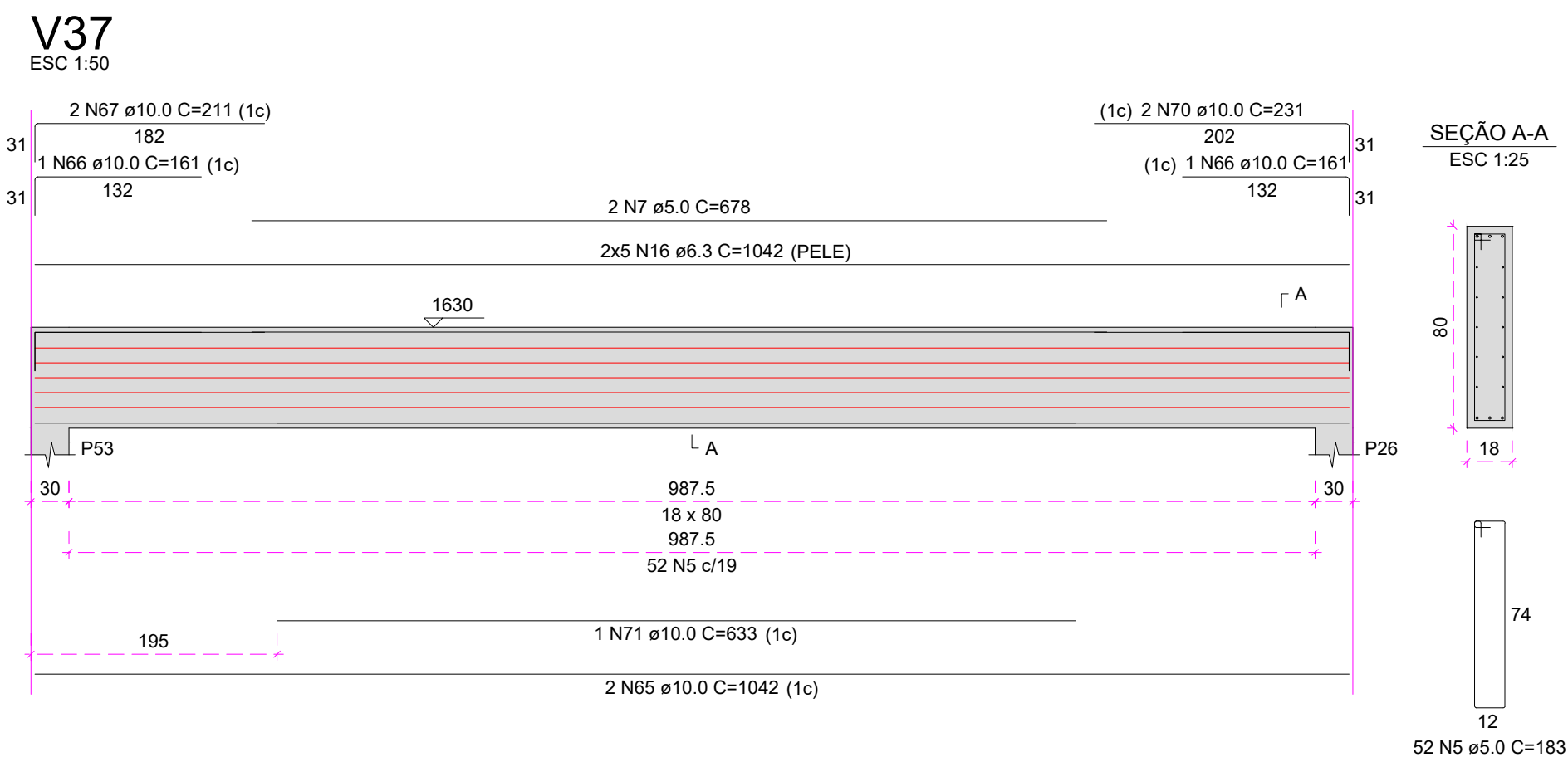
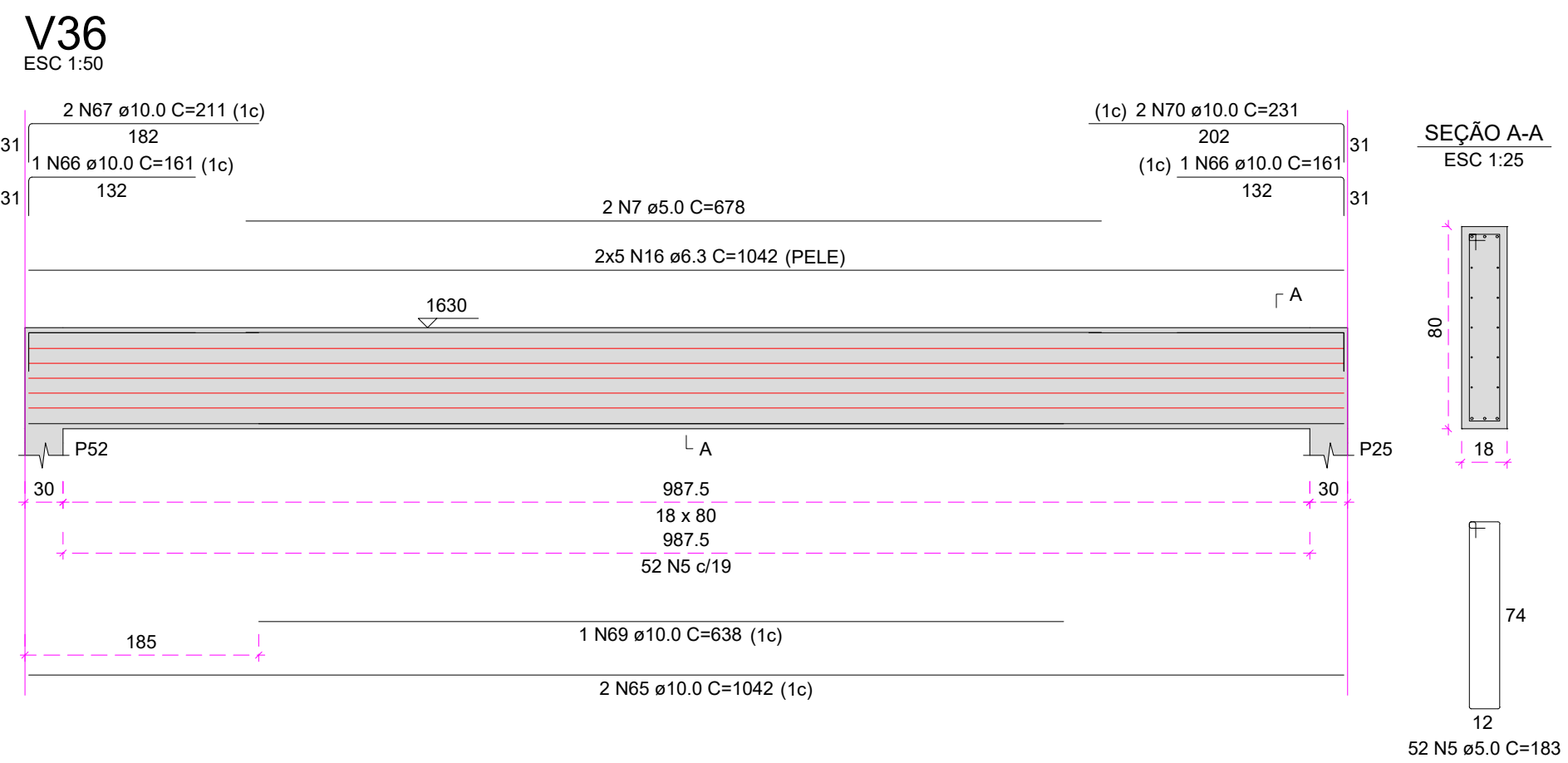
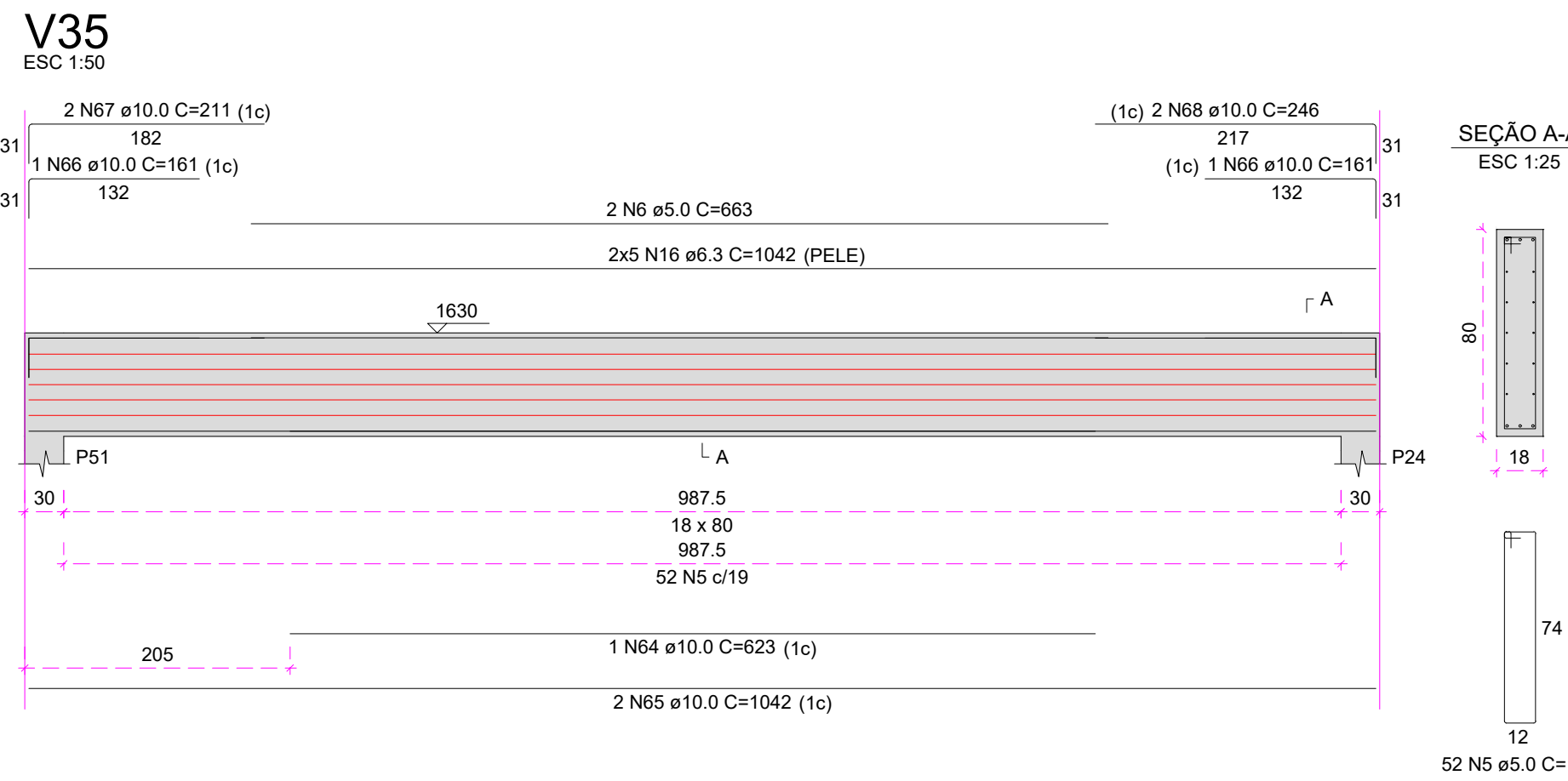
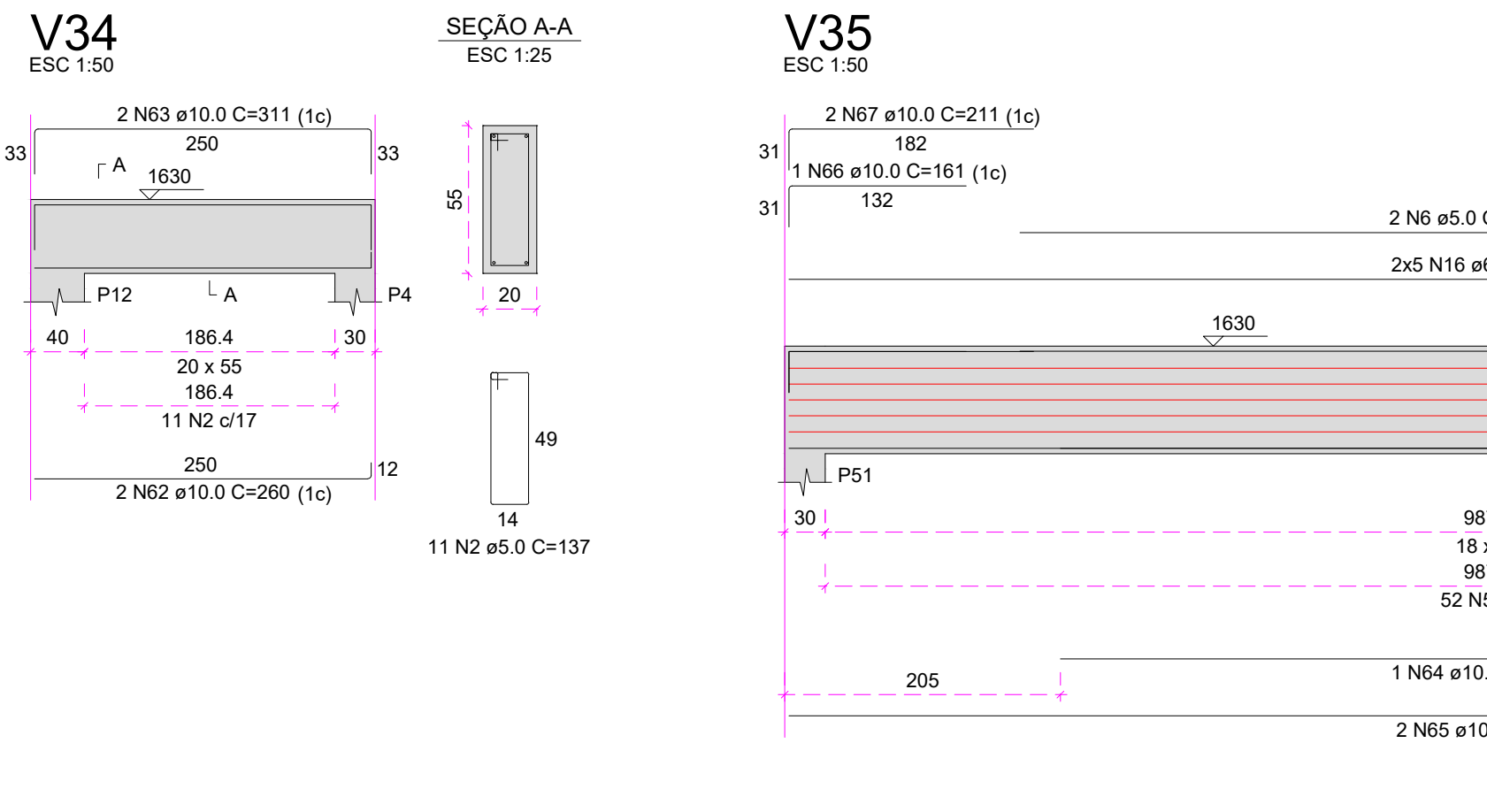
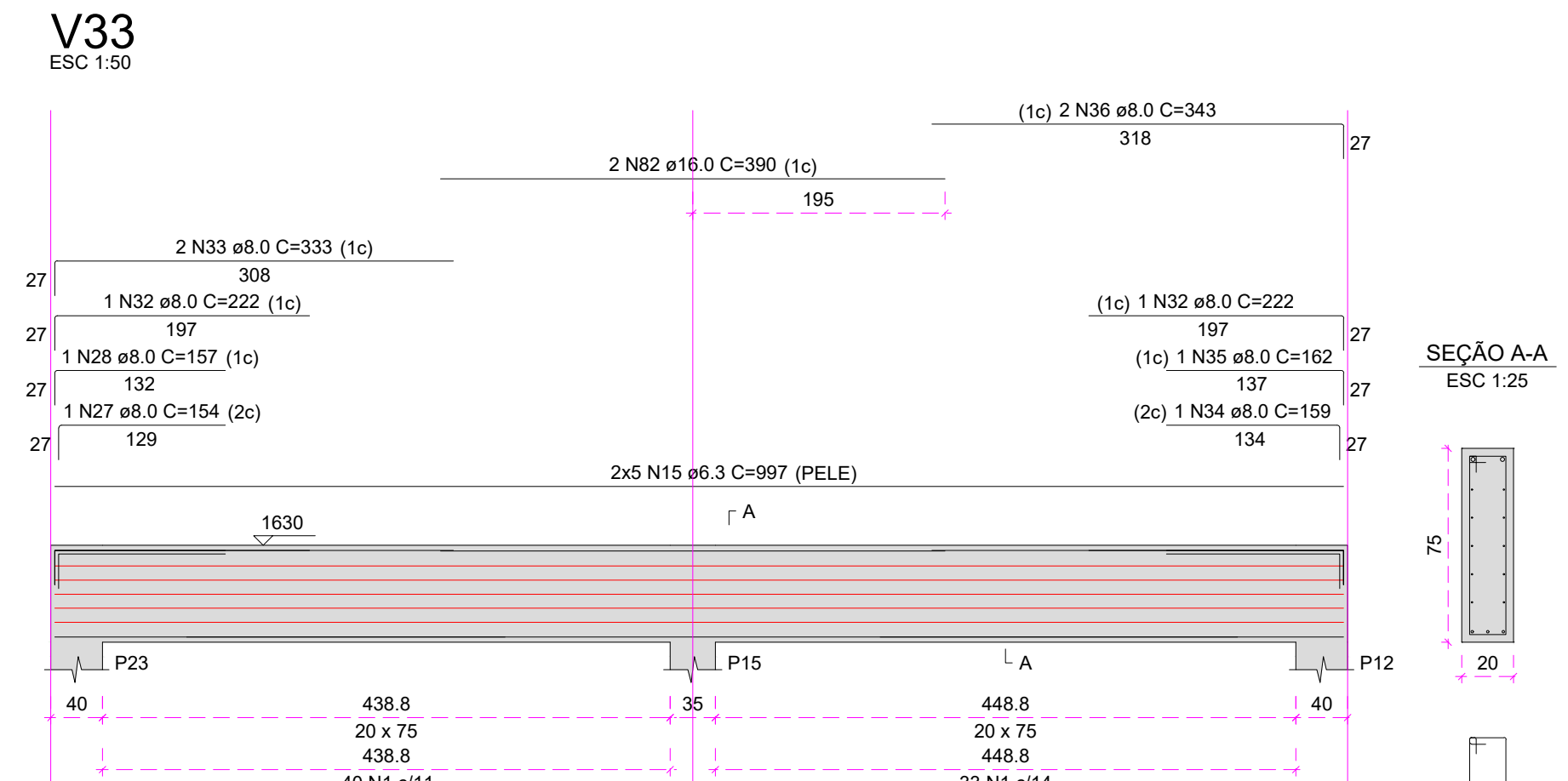
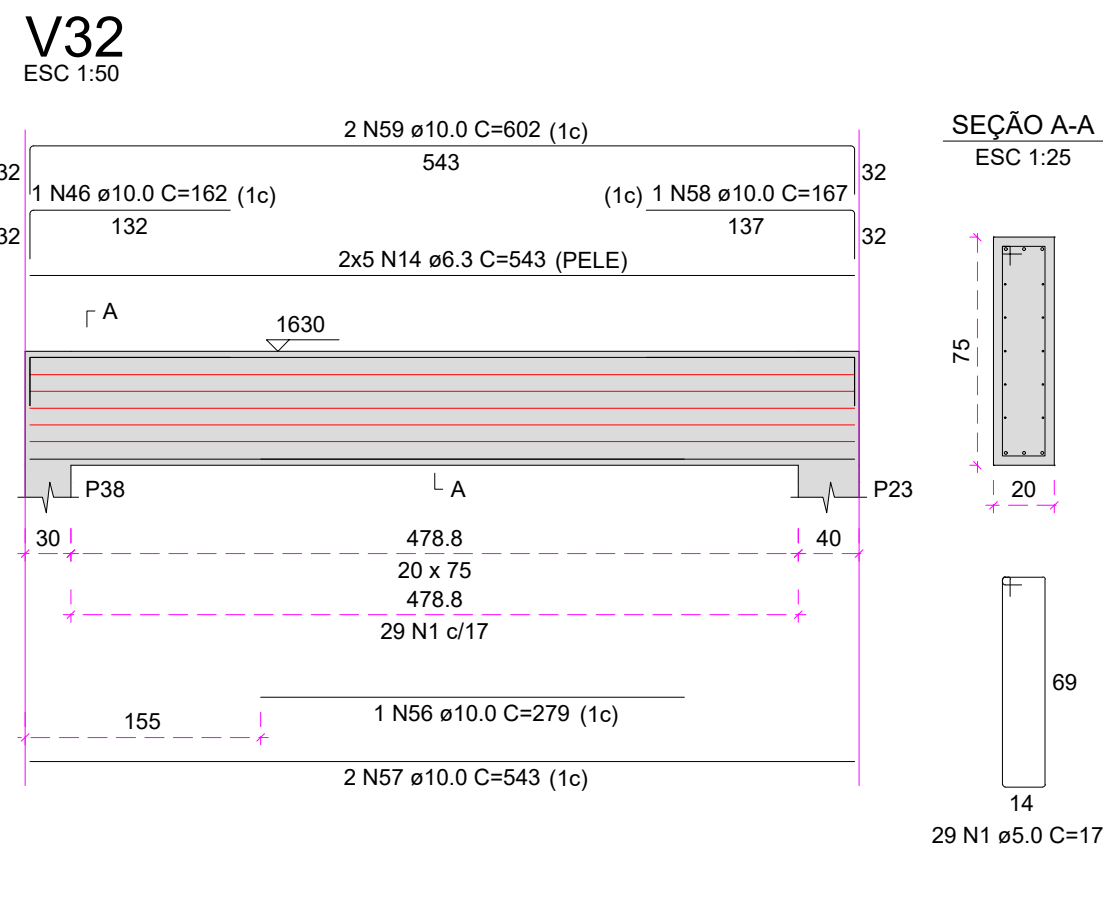
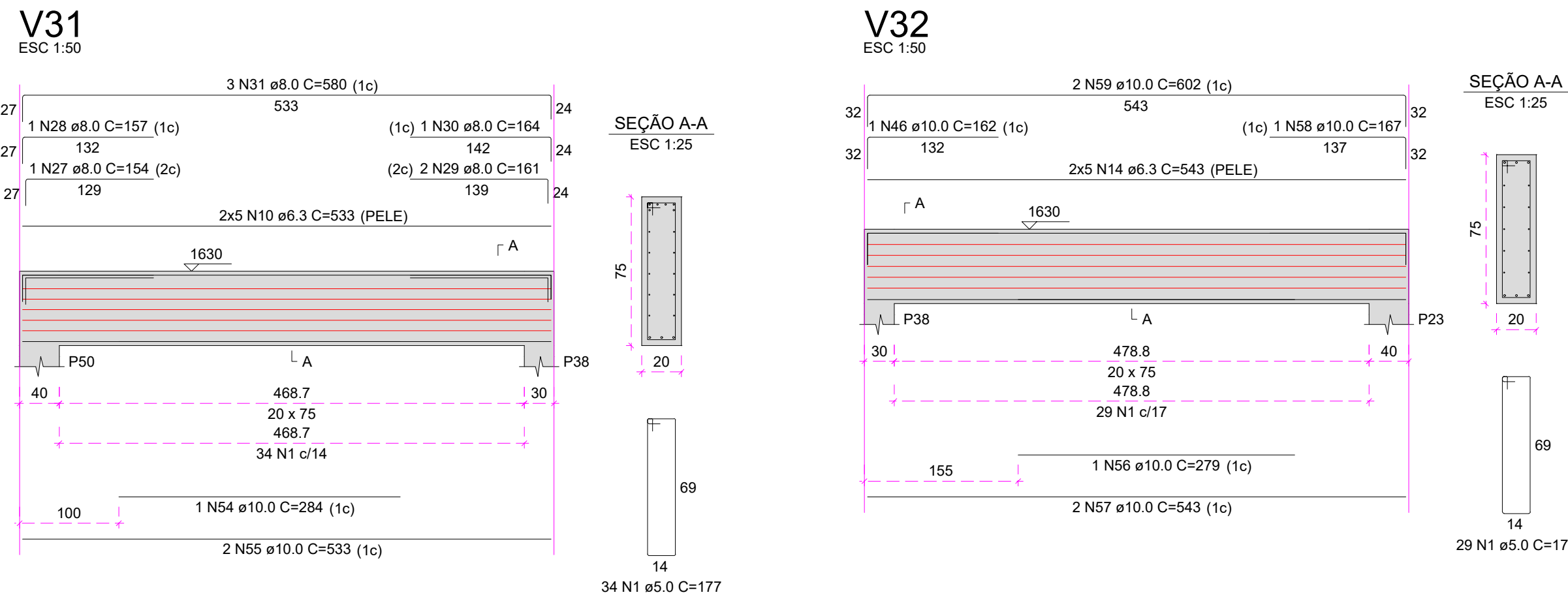
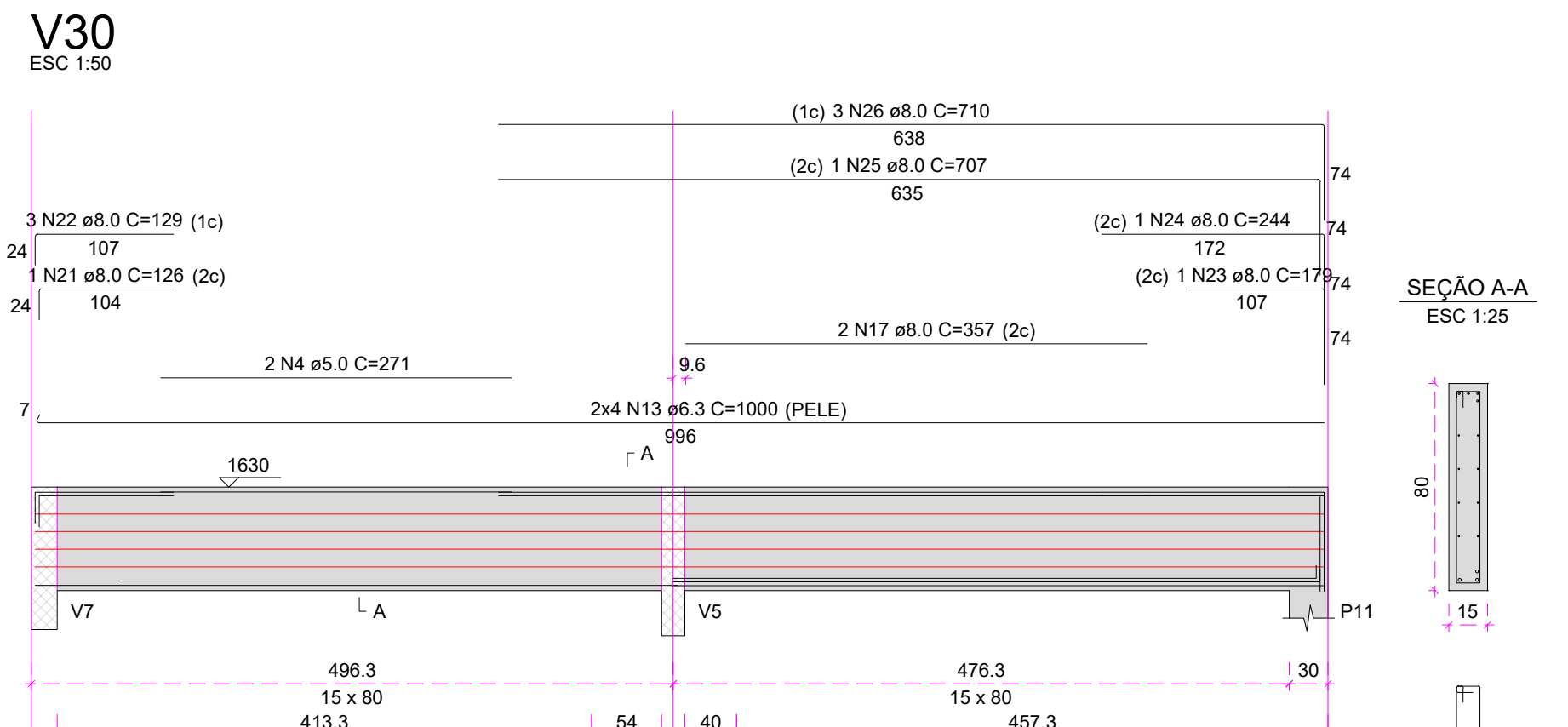
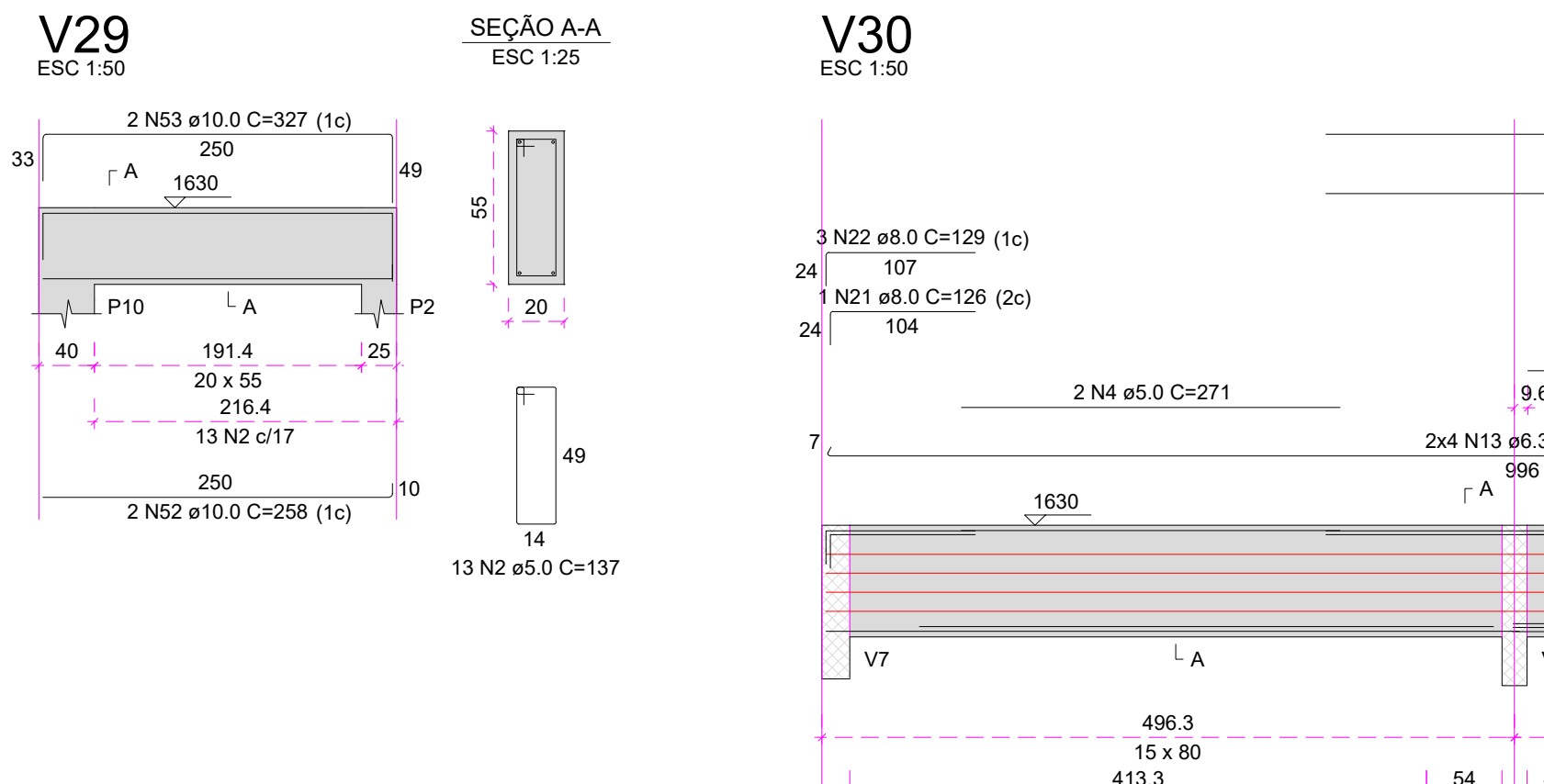
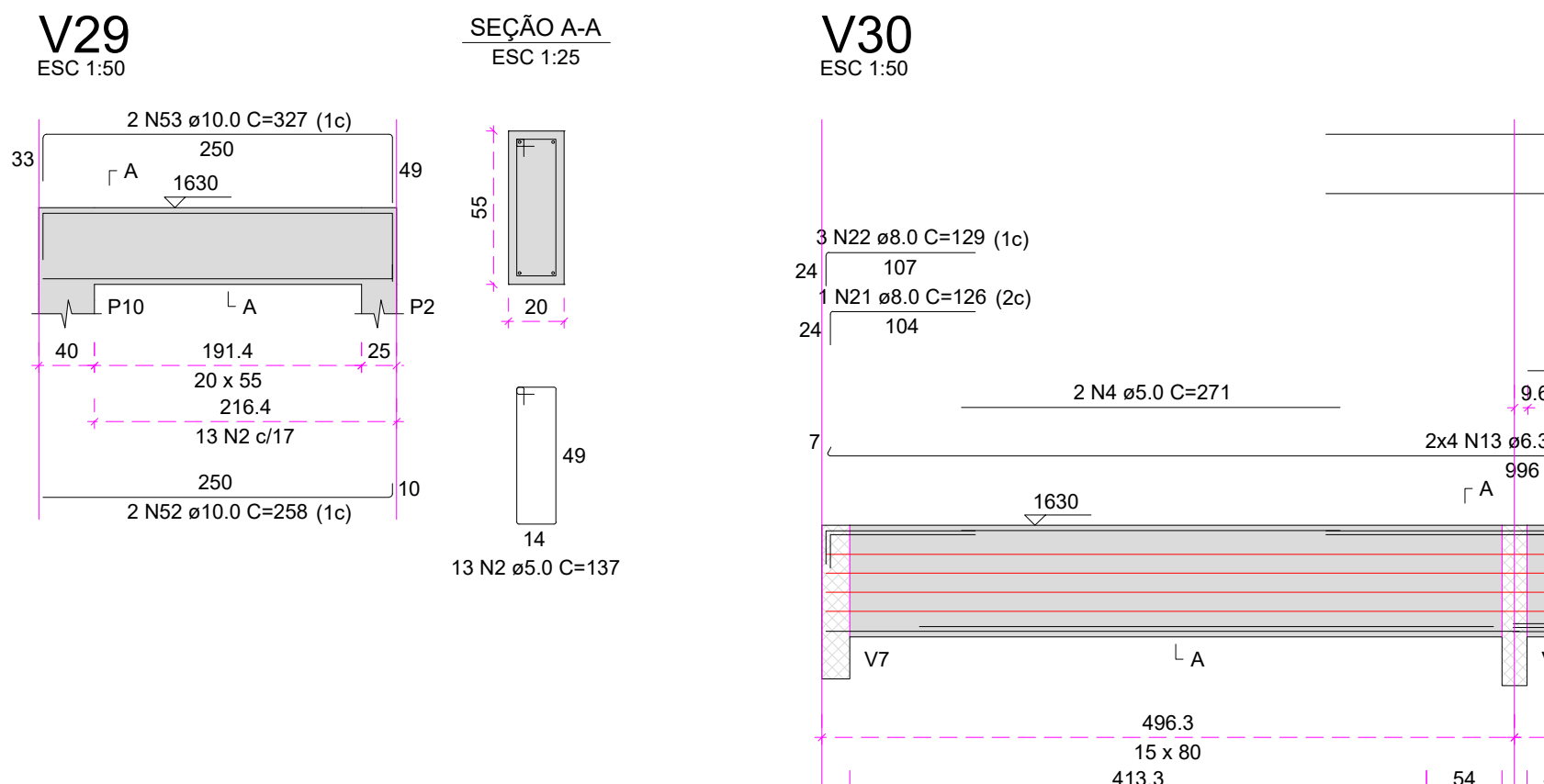
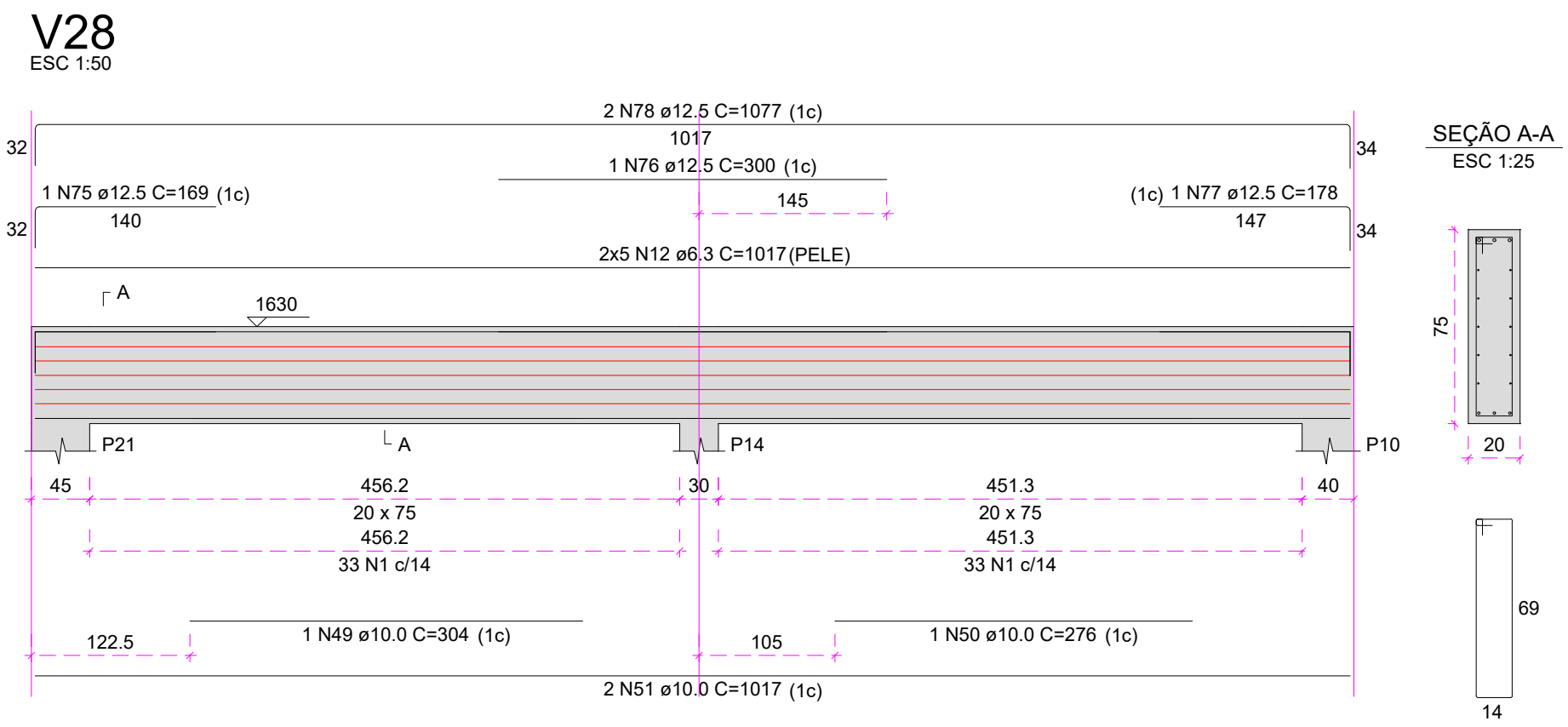
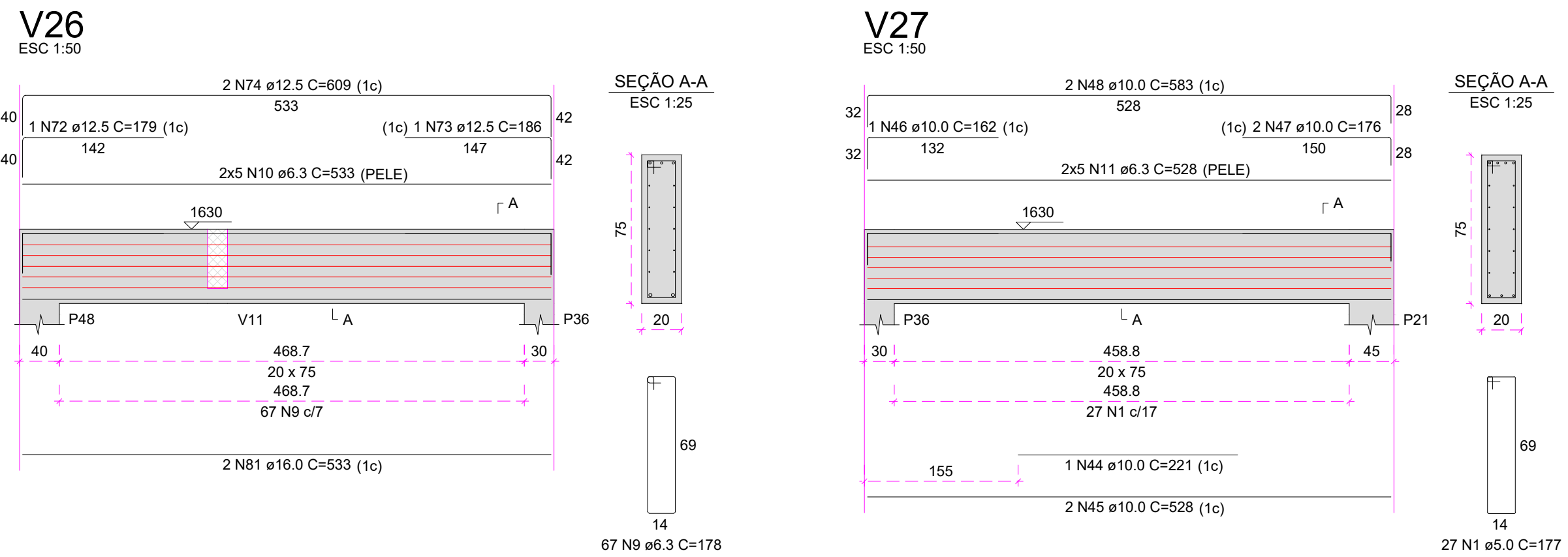


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<div><div>GOVERNO DO ESTADO DE RONDÔNIA GOVERNO: Marcos José Rocha dos Santos</div></div>					
<div><div>SECRETARIA DE ESTADO DA SEGURANÇA, DEFESA E CIDADANIA-SESEDC</div></div>					
OBJETO					
CORPO DE BOMBEIROS MILITAR DE RONDÔNIA PROJ. ESTRUTURAL COMANDO GERAL DO CBMRO					
ENDEREÇO AVENIDA GOVERNADOR JORGE TEIXEIRA S/N° - INDUSTRIAL - PORTO VELHO - RO		LOCAL PORTO VELHO - RO			
CONTEÚDO PLANTAS ESTRUTURAL PREDIO 2° PAVIMENTO - NÍVEL 11,0m LEGENDAS		PROCESSO 0004.014091/2024-14			
SUPERVISÃO DE PROJETOS ISLANDO DANTAS CHAVES - ENG. ELETRICISTA CREA 18 842/D-RO		SETOR XX		QUADRA XX	
AUTORIA DO PROJETO HALEX ALBUQUERQUE CREA 81550-RO		ESCALA INDICADA		SUPERVISOR EDUARDO HERRMANN - 1º SGT BM	
RESPONSÁVEL TÉCNICO PELA OBRA		PROJETO		ESTRUTURAL	
QUADRO DE ÁREAS Área a Construir		3.005,91 m²		ETAPA DE PROJETO	
				BÁSICO	
Observação:		PRANCHA		34	
					
REV.	MODIFICAÇÃO	DATA	PROJETISTA	CADISTA	APROVO
01					
02					
03					
ESPACIO PARA PREFEITURA F.C.R.E.A.					



 GOVERNO DO ESTADO DE RONDÔNIA GOVERNO: Marcos José Rocha dos Santos																												
SECRETARIA DE ESTADO DA SEGURANÇA, DEFESA E CIDADANIA-SESDC																												
OBJETO: CORPO DE BOMBEIROS MILITAR DE RONDÔNIA PROJ. ESTRUTURAL COMANDO GERAL DO CBMR0																												
ENDEREÇO AVENIDA GOVERNADOR JORGE TEIXEIRA S/N° - INDUSTRIAL - PORTO VELHO - RO CONTEÚDO PLANTAS ESTRUTURAIS PREZIO 2º PAVIMENTO + NÍVEL 11,50m ÁREA TÉCNICA + NÍVEL 11,50m LEGENDAS SUPERVISÃO DE PROJETOS ANDRÉO DANTAS CHAVES - ENG. ELETRICISTA CREA 18.8420-R0 AUTORIA DO PROJETO HALEX ALBUQUERQUE CREA 8.8550-R0 RESPONSÁVEL TÉCNICO PELA OBRA	LOCAL PORTO VELHO - RO <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 33%;">DATA</td> <td colspan="2">24/01/2025</td> </tr> <tr> <td>PROCESSO</td> <td colspan="2">0004.014091/2024-14</td> </tr> <tr> <td>SETOR</td> <td>XX</td> <td>XX</td> </tr> <tr> <td>QUADRA</td> <td>XX</td> <td>XX</td> </tr> <tr> <td>ESCALA</td> <td colspan="2">EDUARDO HERRMANN - 1º SOT BR</td> </tr> <tr> <td>INDICADA</td> <td colspan="2">XX</td> </tr> <tr> <td>PROJETO</td> <td colspan="2">ESTRUTURAL</td> </tr> <tr> <td>ETAPA DE PROJETO</td> <td colspan="2">BÁSICO</td> </tr> <tr> <td>PRANCHA</td> <td colspan="2" style="text-align: center; font-size: 2em; font-weight: bold;">35</td> </tr> </table>	DATA	24/01/2025		PROCESSO	0004.014091/2024-14		SETOR	XX	XX	QUADRA	XX	XX	ESCALA	EDUARDO HERRMANN - 1º SOT BR		INDICADA	XX		PROJETO	ESTRUTURAL		ETAPA DE PROJETO	BÁSICO		PRANCHA	35	
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PROJETO	ESTRUTURAL																											
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PRANCHA	35																											
QUADRO DE ÁREAS <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 40%;">Área a Construir</td> <td style="width: 60%; text-align: center;">3.005,91 m²</td> </tr> </table>		Área a Construir	3.005,91 m²																									
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Observação:																												
REV.	MODIFICAÇÃO																											
01																												
02																												
03																												
ESPAÇO PARA PREFEITURA E C.R.E.A.																												



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C TOTAL (cm)
CA60	1	8.0	229	177
CA60	2	8.0	24	328
CA60	3	8.0	46	177
CA60	4	8.0	271	542
CA60	5	8.0	183	2858
CA60	6	8.0	663	1326
CA60	7	8.0	147	2712
CA60	8	8.0	58	678
CA60	9	8.0	57	178
CA60	10	8.0	233	1050
CA60	11	8.0	10	328
CA60	12	8.0	10	1017
CA60	13	8.0	10	1000
CA60	14	8.0	10	543
CA60	15	8.0	10	957
CA60	16	8.0	38	1042
CA60	17	8.0	2	357
CA60	18	8.0	1	506
CA60	19	8.0	1	509
CA60	20	8.0	3	512
CA60	21	8.0	3	129
CA60	22	8.0	3	129
CA60	23	8.0	1	179
CA60	24	8.0	1	244
CA60	25	8.0	1	707
CA60	26	8.0	3	710
CA60	27	8.0	2	154
CA60	28	8.0	2	157
CA60	29	8.0	2	161
CA60	30	8.0	1	164
CA60	31	8.0	1	164
CA60	32	8.0	2	222
CA60	33	8.0	2	222
CA60	34	8.0	1	129
CA60	35	8.0	1	129
CA60	36	8.0	2	343
CA60	37	8.0	1	319
CA60	38	8.0	1	547
CA60	39	8.0	2	547
CA60	40	8.0	2	1042
CA60	41	8.0	2	159
CA60	42	8.0	2	205
CA60	43	8.0	2	1086
CA60	44	10.0	1	221
CA60	45	10.0	1	221
CA60	46	10.0	2	162
CA60	47	10.0	2	162
CA60	48	10.0	2	583
CA60	49	10.0	1	354
CA60	50	10.0	2	276
CA60	51	10.0	2	1017
CA60	52	10.0	2	258
CA60	53	10.0	2	327
CA60	54	10.0	1	284
CA60	55	10.0	2	533
CA60	56	10.0	1	279
CA60	57	10.0	2	533
CA60	58	10.0	1	167
CA60	59	10.0	2	652
CA60	60	10.0	1	246
CA60	61	10.0	2	967
CA60	62	10.0	2	260
CA60	63	10.0	2	311
CA60	64	10.0	1	623
CA60	65	10.0	6	1042
CA60	66	10.0	6	161
CA60	67	10.0	6	111
CA60	68	10.0	2	246
CA60	69	10.0	1	658
CA60	70	10.0	4	231
CA60	71	10.0	1	924
CA60	72	12.5	1	179
CA60	73	12.5	1	166
CA60	74	12.5	2	609
CA60	75	12.5	1	166
CA60	76	12.5	1	300
CA60	77	12.5	1	178
CA60	78	12.5	2	1077
CA60	79	12.5	2	2154
CA60	80	12.5	2	407
CA60	81	16.0	2	1966
CA60	82	16.0	2	390

RESUMO DO AÇO


AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA60	8.3	1010.3	247.2
CA60	8.0	199.7	78.8
CA60	10.0	264.4	103
CA60	12.5	57.9	55.8
CA60	16.0	16.5	20.1
CA60	5.0	936.2	144.3

PESO TOTAL (kg)
CA60 573.9
CA60 144.3

Volume de concreto (C=30) = 12.49 m³
Área de forma = 136.48 m²



GOVERNO DO ESTADO DE RONDÔNIA
GOVERNO: Marcos José Rocha dos Santos



SECRETARIA DE ESTADO DA SEGURANÇA, DEFESA E CIDADANIA-SESDC

OBJETO

CORPO DE BOMBEIROS MILITAR DE RONDONIA
PROJ. ESTRUTURAL COMANDO GERAL DO CBMRO

ENDEREÇO	LOCAL
AVENIDA GOVERNADOR JORGE TEIXEIRA S/Nº - INDUSTRIAL - PORTO VELHO - RO	PORTO VELHO - RO
CONTÉUDO	PROCESSO
PLANTAS ESTRUTURAL PRÉDIO	0004.014091/2024-14
ÁREA TÉCNICA = NÍVEL 16.30m	SETOR
LEGENDAS	XX
SUPERVISÃO DE PROJETOS	ESCALA
ISLÂNDIO DANTAS CHAVES - ENG. ELETRICISTA	DESENHO
PROJETO	EDUARDO HERRMANN - 1º SOT BM
AUTORIA DO PROJETO	ESTRUTURAL
HALEX ALBUQUERQUE	ETAPA DE PROJETO
CREA 115550-R0	BÁSICO
RESPONSÁVEL TÉCNICO PELA OBRA	PRANCHA
	37

QUADRO DE ÁREAS

Área a Construir 3.905,91 m²

Observação:

REV	MODIFICAÇÃO	DATA	PROJETISTA	CADISTA	APROVO
01					
02					
03					

ESPAÇO PARA PREFEITURA E C.R.E.A

