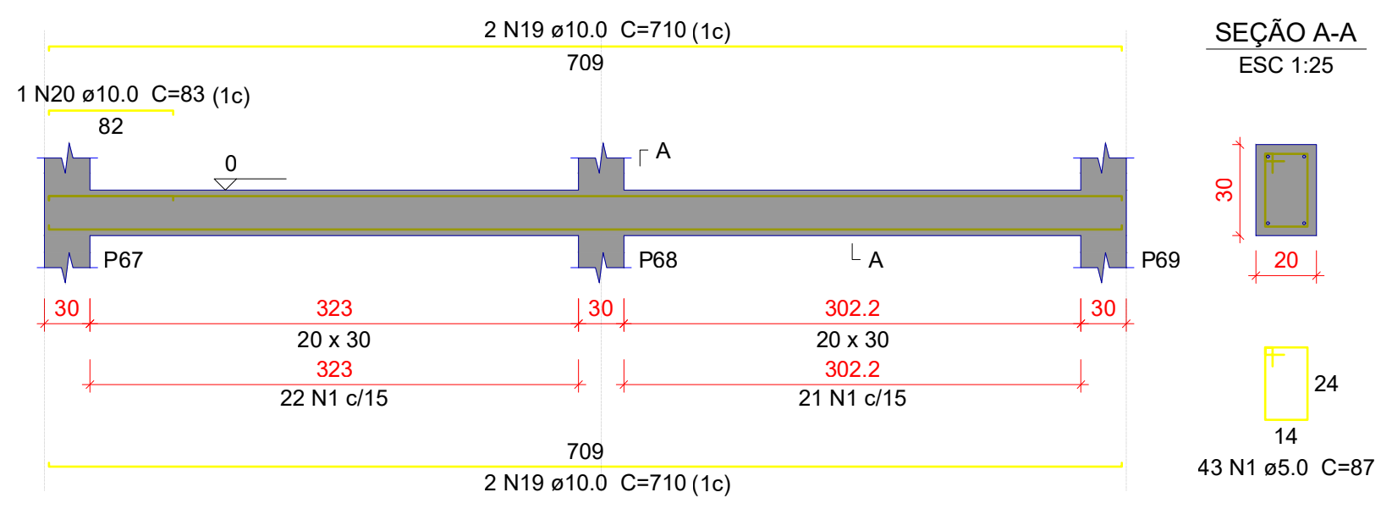
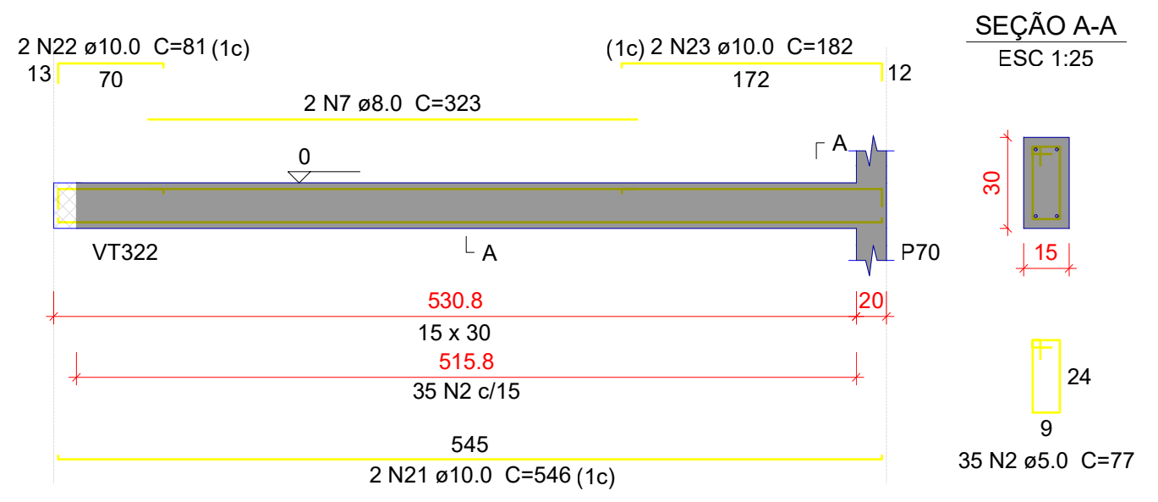
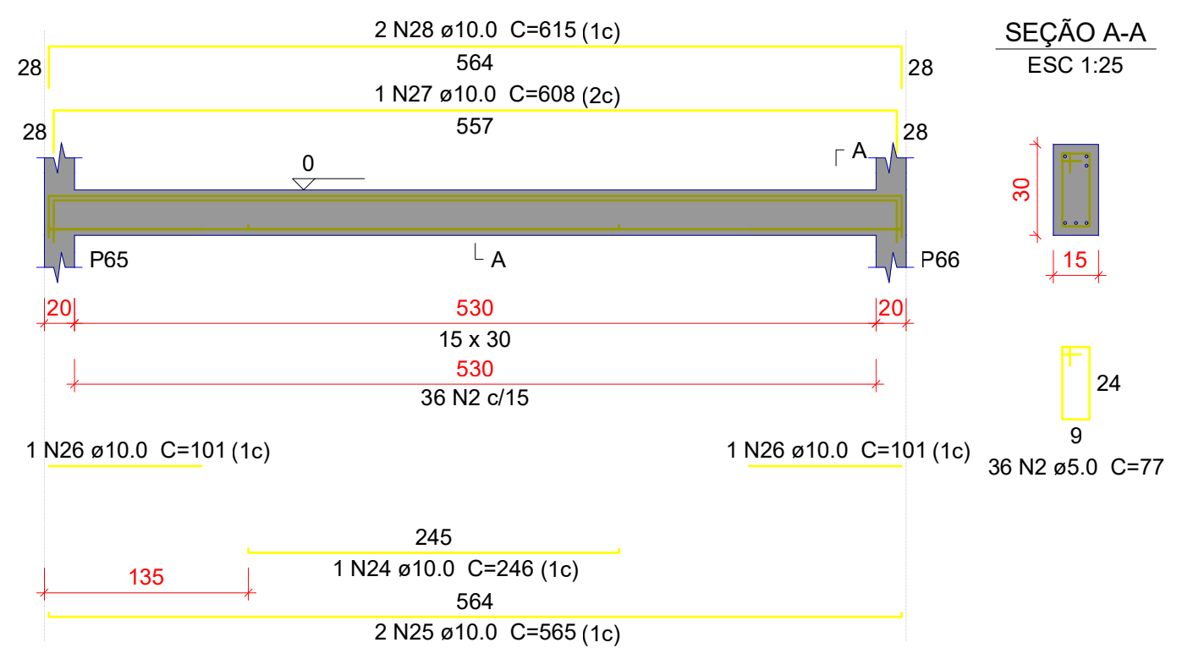
VT135
ESC 1:50


2 N19 ø10.0 C=710 (tc)
709
1 N20 ø10.0 C=83 (tc)
82
P67
P68
P69
30
323
20 x 30
323
22 N1 c/15
302.2
20 x 30
302.2
21 N1 c/15
709
2 N19 ø10.0 C=710 (tc)
SEÇÃO A-A
ESC 1:25
20
24
14
43 N1 ø5.0 C=87

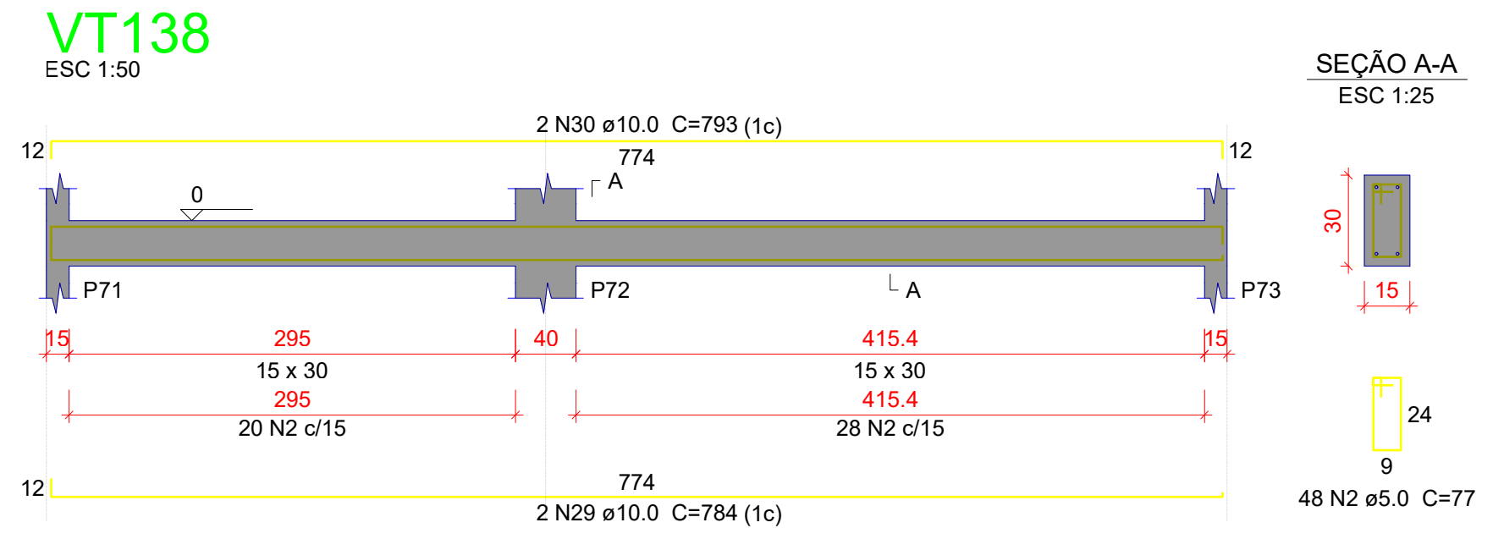
VT136
ESC 1:50


2 N22 ø10.0 C=81 (tc)
(tc) 2 N23 ø10.0 C=182
2 N7 ø8.0 C=323
VT322
P70
530.8
15 x 30
515.8
35 N2 c/15
545
2 N21 ø10.0 C=546 (tc)
SEÇÃO A-A
ESC 1:25
24
9
35 N2 ø5.0 C=77

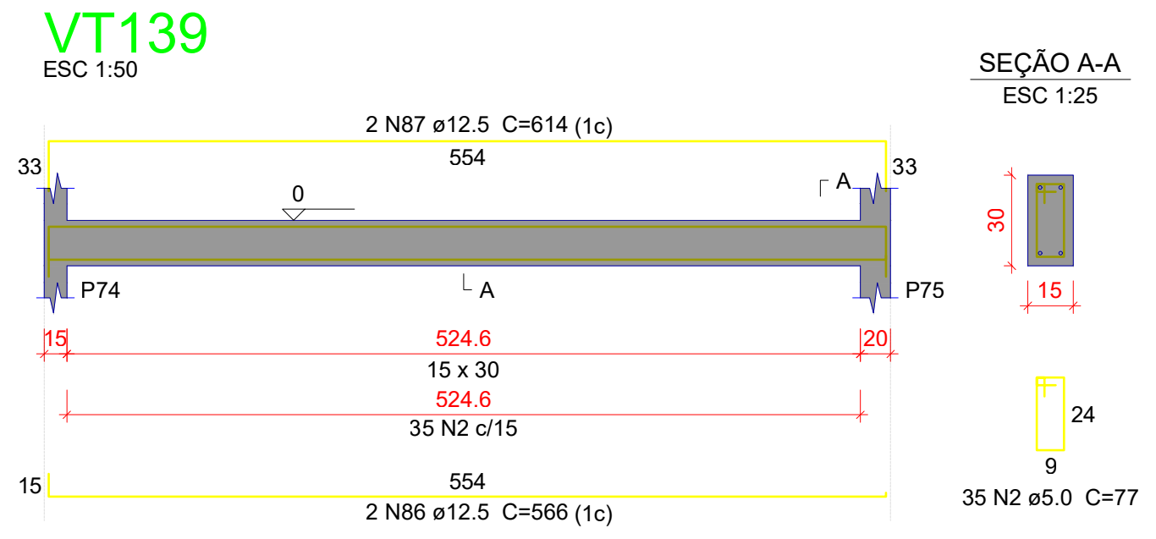
VT137
ESC 1:50


2 N28 ø10.0 C=615 (tc)
564
1 N27 ø10.0 C=608 (2c)
557
P65
P66
530
15 x 30
530
36 N2 c/15
1 N26 ø10.0 C=101 (tc)
1 N26 ø10.0 C=101 (tc)
245
1 N24 ø10.0 C=246 (tc)
135
564
2 N25 ø10.0 C=565 (tc)
SEÇÃO A-A
ESC 1:25
24
9
36 N2 ø5.0 C=77

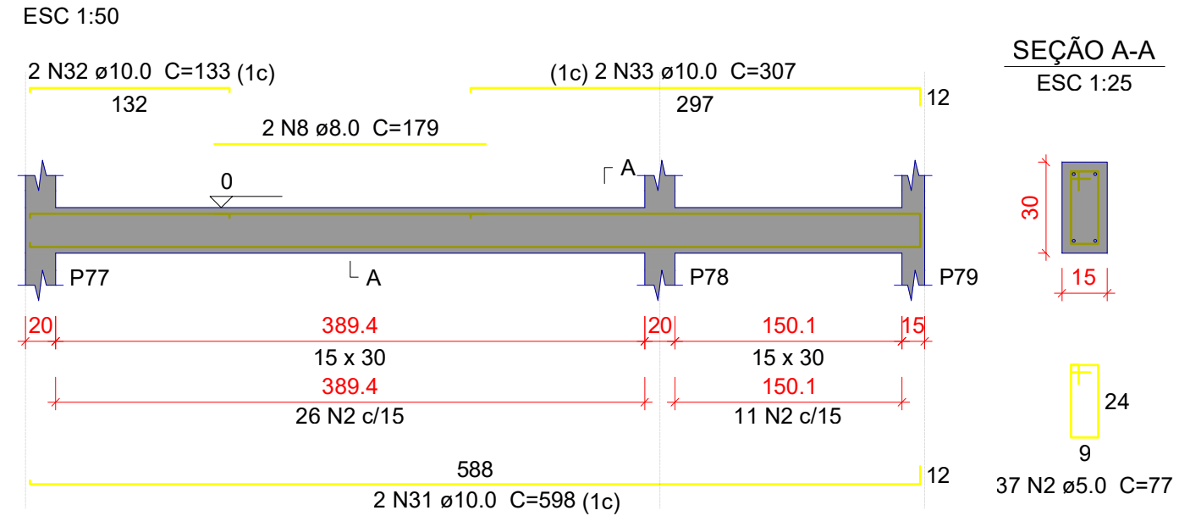
VT138
ESC 1:50


2 N30 ø10.0 C=793 (tc)
774
P71
P72
P73
295
15 x 30
295
20 N2 c/15
415.4
15 x 30
415.4
28 N2 c/15
774
2 N29 ø10.0 C=784 (tc)
SEÇÃO A-A
ESC 1:25
24
9
48 N2 ø5.0 C=77

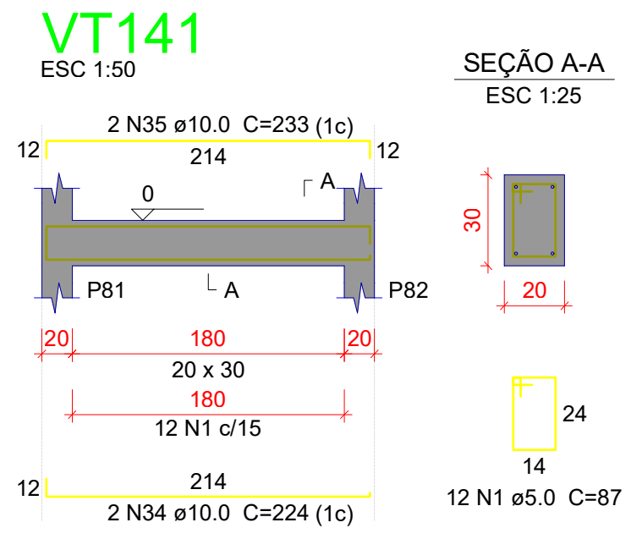
VT139
ESC 1:50


2 N87 ø12.5 C=614 (tc)
554
P74
P75
524.6
15 x 30
524.6
35 N2 c/15
554
2 N86 ø12.5 C=566 (tc)
SEÇÃO A-A
ESC 1:25
24
9
35 N2 ø5.0 C=77

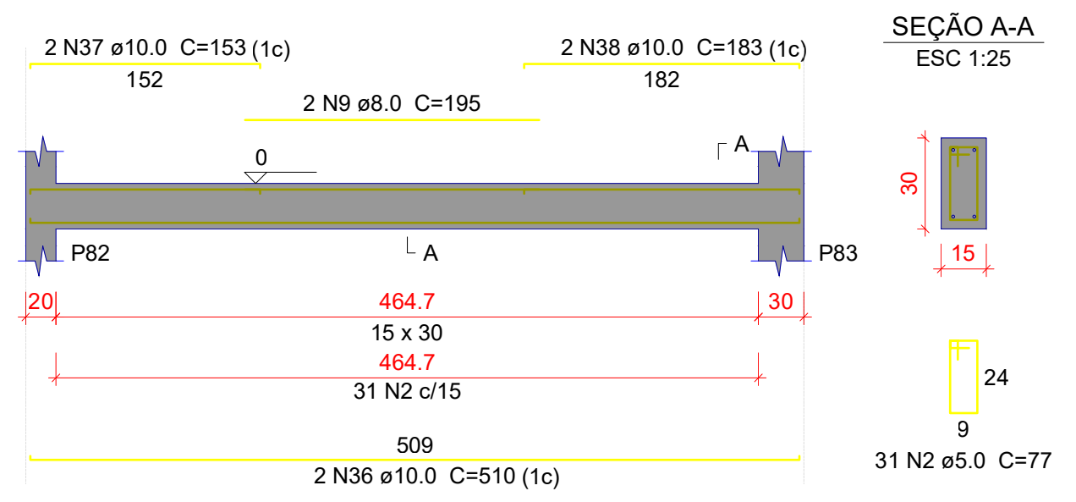
VT140
ESC 1:50


2 N32 ø10.0 C=133 (tc)
132
(tc) 2 N33 ø10.0 C=307
297
2 N8 ø8.0 C=179
P77
P78
P79
389.4
15 x 30
389.4
26 N2 c/15
150.1
15 x 30
150.1
11 N2 c/15
588
2 N31 ø10.0 C=598 (tc)
SEÇÃO A-A
ESC 1:25
24
9
37 N2 ø5.0 C=77

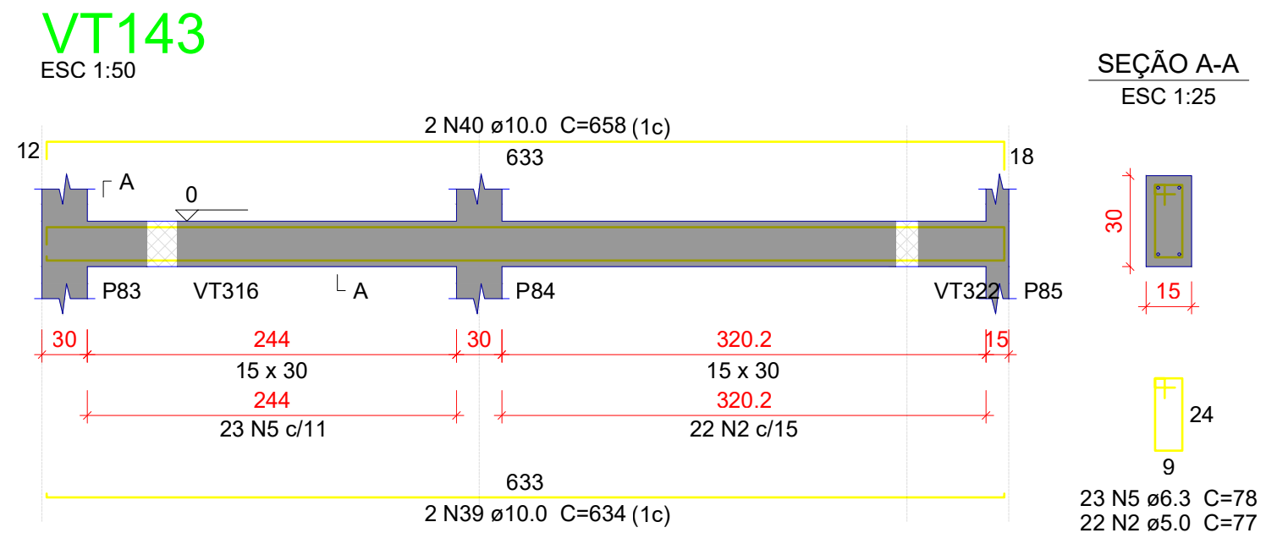
VT141
ESC 1:50


2 N35 ø10.0 C=233 (tc)
214
P81
P82
180
20 x 30
180
12 N1 c/15
214
2 N34 ø10.0 C=224 (tc)
SEÇÃO A-A
ESC 1:25
24
14
12 N1 ø5.0 C=87

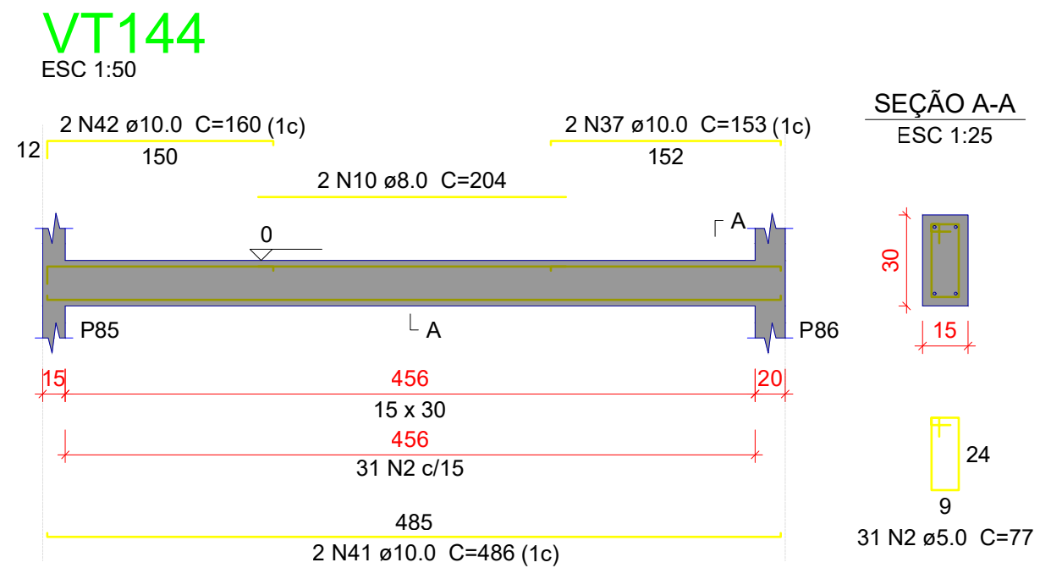
VT142
ESC 1:50


2 N37 ø10.0 C=153 (tc)
152
2 N38 ø10.0 C=183 (tc)
182
2 N9 ø8.0 C=195
P82
P83
464.7
15 x 30
464.7
31 N2 c/15
509
2 N36 ø10.0 C=510 (tc)
SEÇÃO A-A
ESC 1:25
24
9
31 N2 ø5.0 C=77

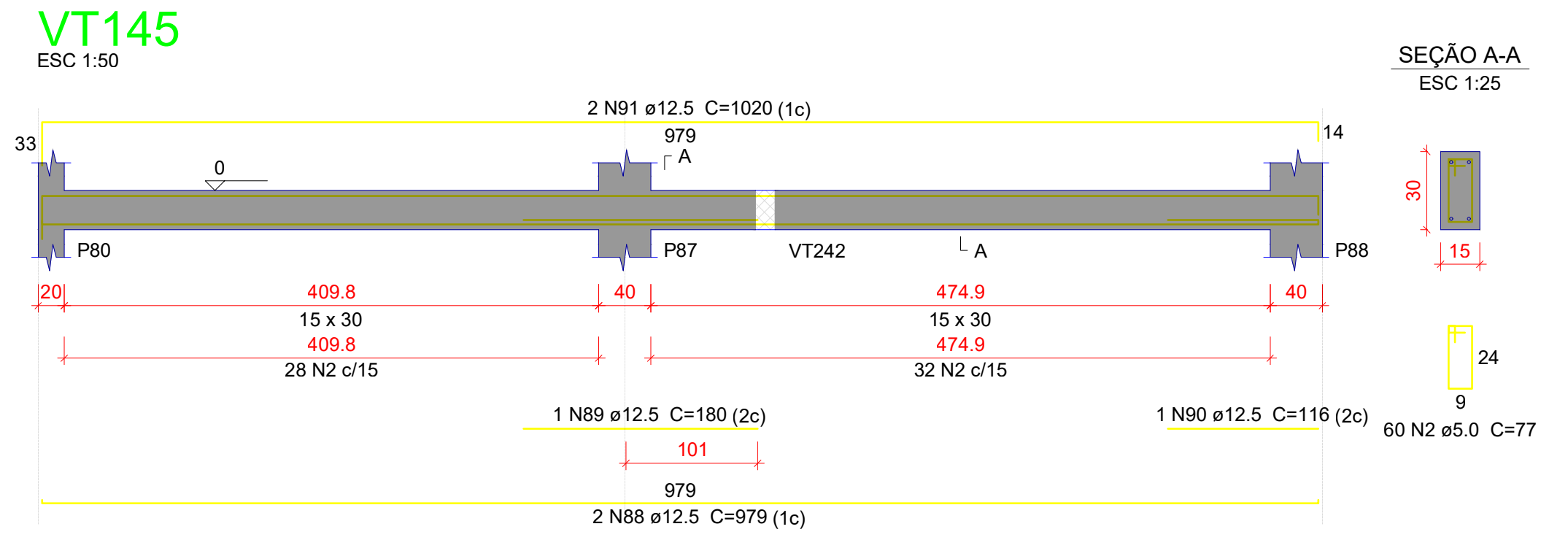
VT143
ESC 1:50


2 N40 ø10.0 C=658 (tc)
633
P83
VT316
P84
VT321
P85
244
15 x 30
244
23 N5 c/11
320.2
15 x 30
320.2
22 N2 c/15
633
2 N39 ø10.0 C=634 (tc)
SEÇÃO A-A
ESC 1:25
24
9
23 N5 ø6.3 C=78
22 N2 ø5.0 C=77

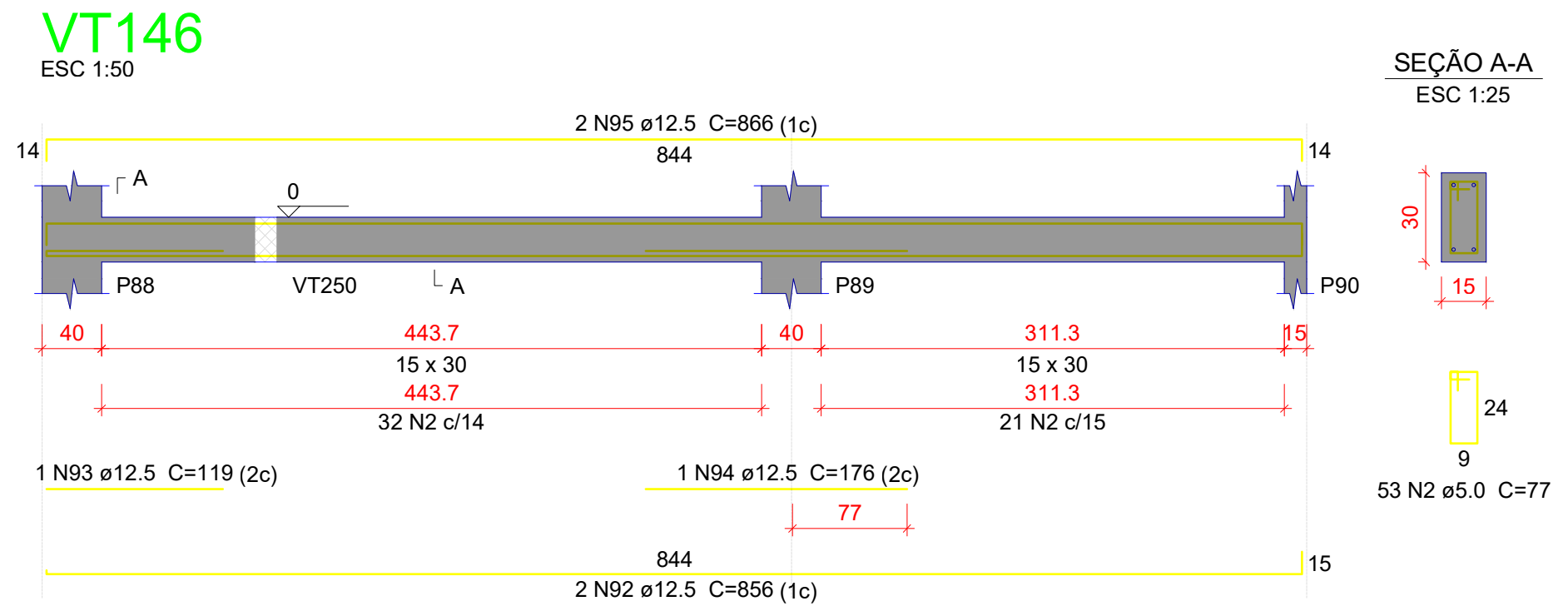
VT144
ESC 1:50


2 N42 ø10.0 C=160 (tc)
150
2 N37 ø10.0 C=153 (tc)
152
2 N10 ø8.0 C=204
P85
P86
456
15 x 30
456
31 N2 c/15
485
2 N41 ø10.0 C=486 (tc)
SEÇÃO A-A
ESC 1:25
24
9
31 N2 ø5.0 C=77

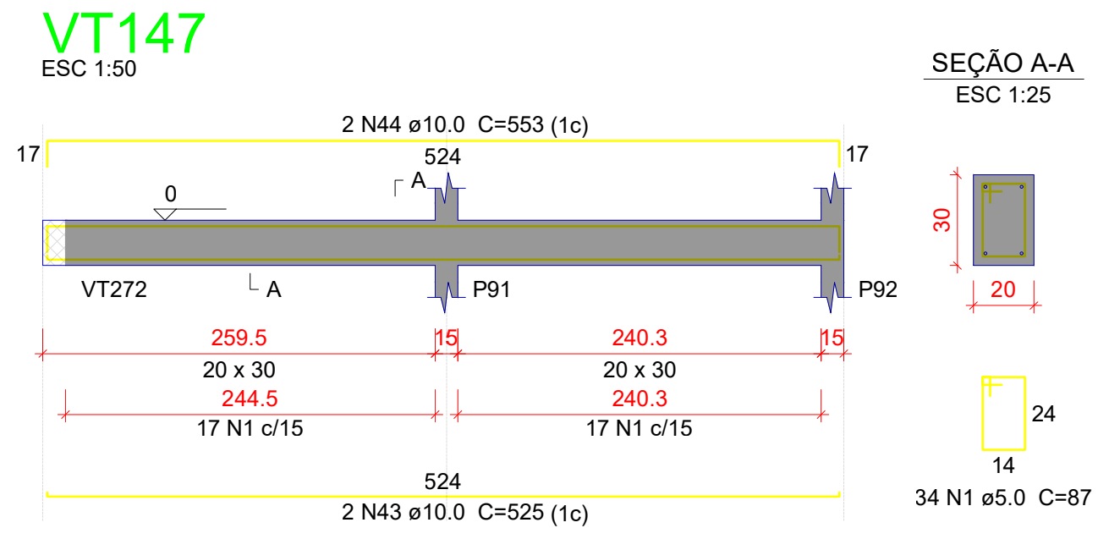
VT145
ESC 1:50


2 N91 ø12.5 C=1020 (tc)
979
P86
P87
VT242
P88
409.8
15 x 30
409.8
28 N2 c/15
474.9
15 x 30
474.9
32 N2 c/15
1 N89 ø12.5 C=180 (2c)
101
1 N90 ø12.5 C=116 (2c)
979
2 N88 ø12.5 C=979 (tc)
SEÇÃO A-A
ESC 1:25
24
9
60 N2 ø5.0 C=77

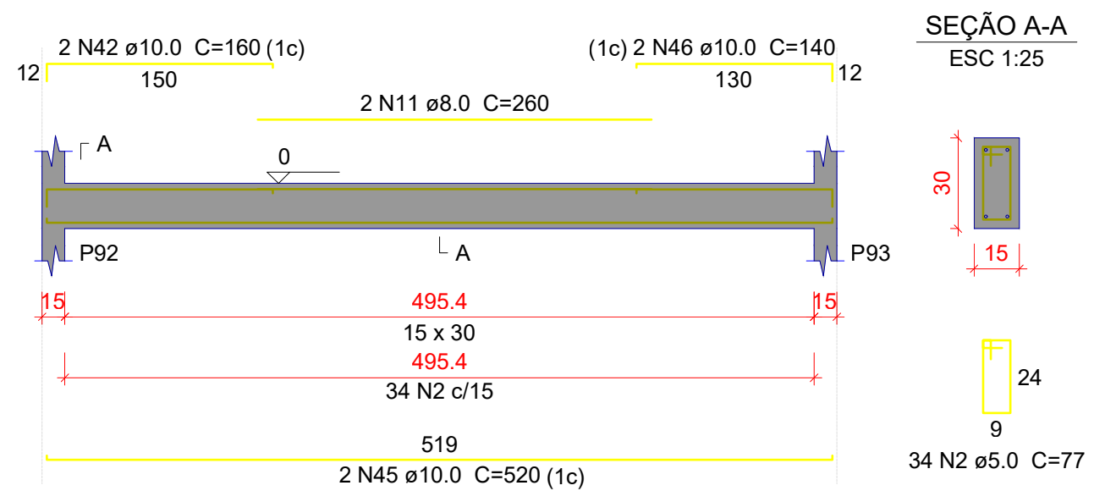
VT146
ESC 1:50


2 N95 ø12.5 C=866 (tc)
844
P88
VT250
P89
P90
443.7
15 x 30
443.7
32 N2 c/14
311.3
15 x 30
311.3
21 N2 c/15
1 N93 ø12.5 C=119 (2c)
1 N94 ø12.5 C=176 (2c)
77
844
2 N92 ø12.5 C=856 (tc)
SEÇÃO A-A
ESC 1:25
24
9
53 N2 ø5.0 C=77

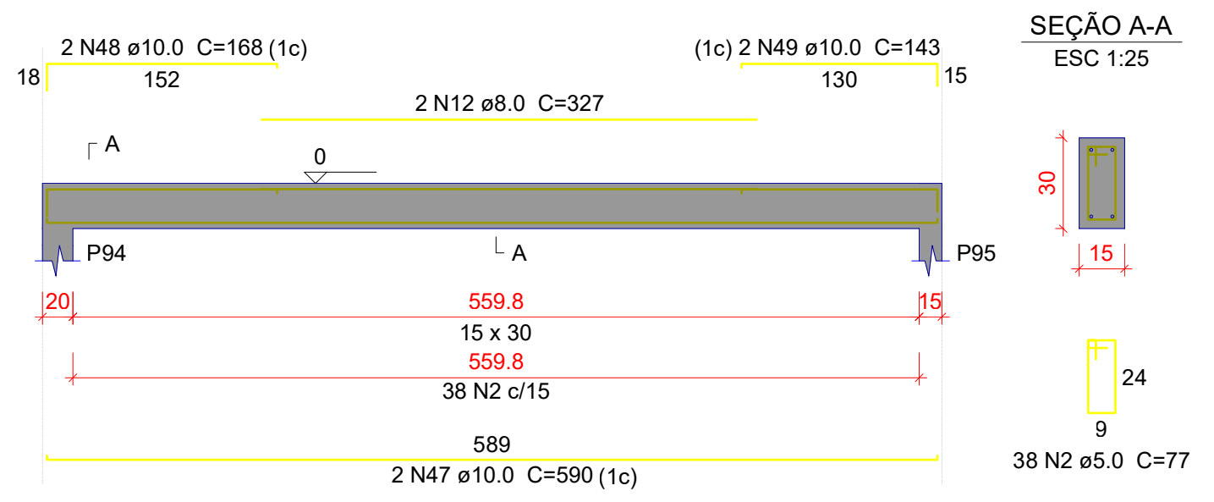
VT147
ESC 1:50


2 N44 ø10.0 C=553 (tc)
524
VT272
P91
P92
259.5
20 x 30
244.5
17 N1 c/15
240.3
20 x 30
240.3
17 N1 c/15
524
2 N43 ø10.0 C=525 (tc)
SEÇÃO A-A
ESC 1:25
24
14
34 N1 ø5.0 C=87

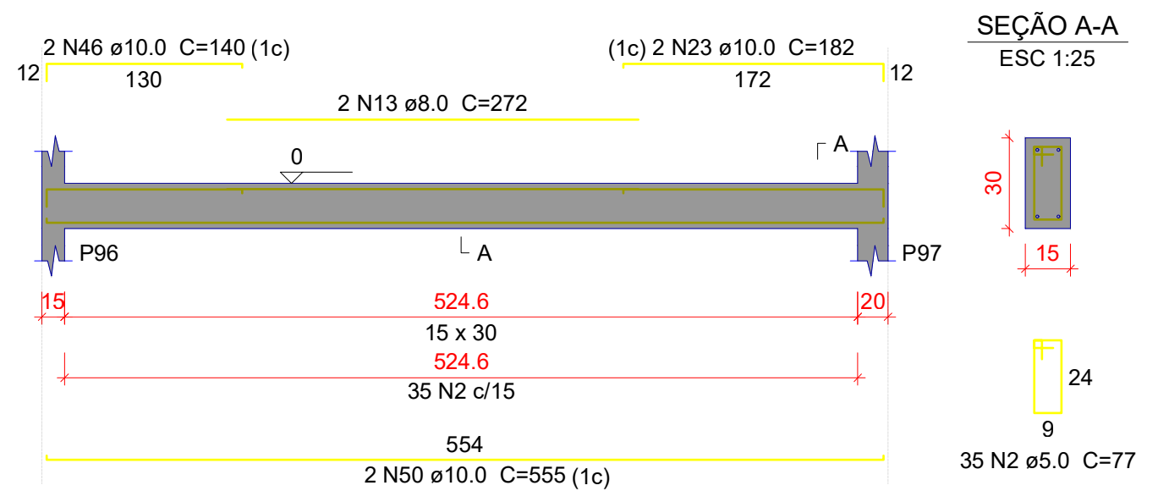
VT148
ESC 1:50


2 N42 ø10.0 C=160 (tc)
150
(tc) 2 N46 ø10.0 C=140
130
2 N11 ø8.0 C=260
P92
P93
495.4
15 x 30
495.4
34 N2 c/15
519
2 N45 ø10.0 C=520 (tc)
SEÇÃO A-A
ESC 1:25
24
9
34 N2 ø5.0 C=77

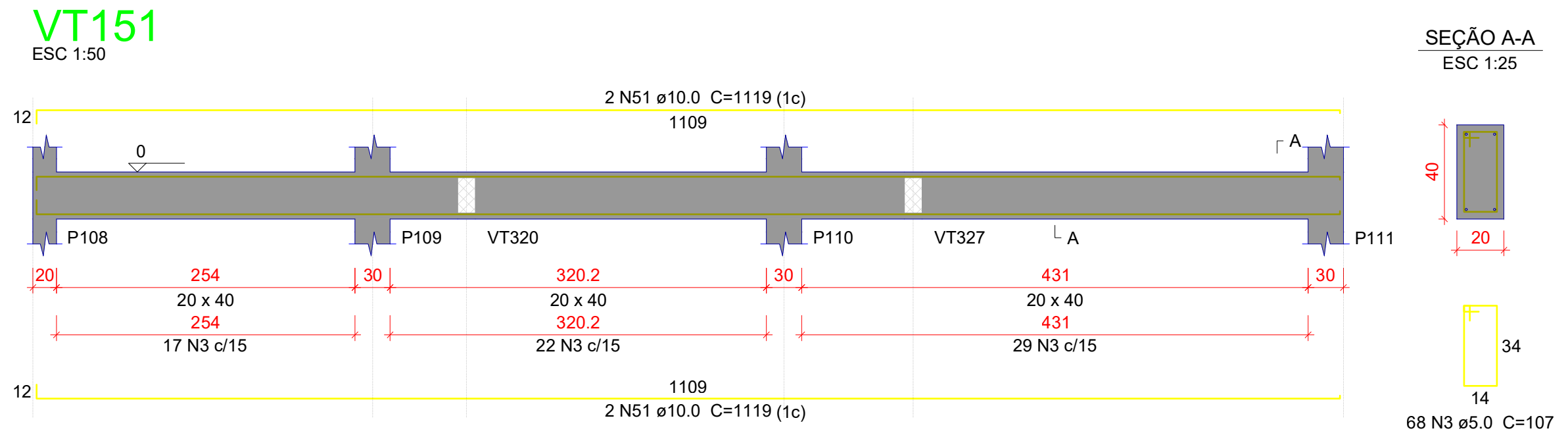
VT149
ESC 1:50


2 N48 ø10.0 C=168 (tc)
152
(tc) 2 N49 ø10.0 C=143
130
2 N12 ø8.0 C=327
P94
P95
559.8
15 x 30
559.8
38 N2 c/15
589
2 N47 ø10.0 C=590 (tc)
SEÇÃO A-A
ESC 1:25
24
9
38 N2 ø5.0 C=77

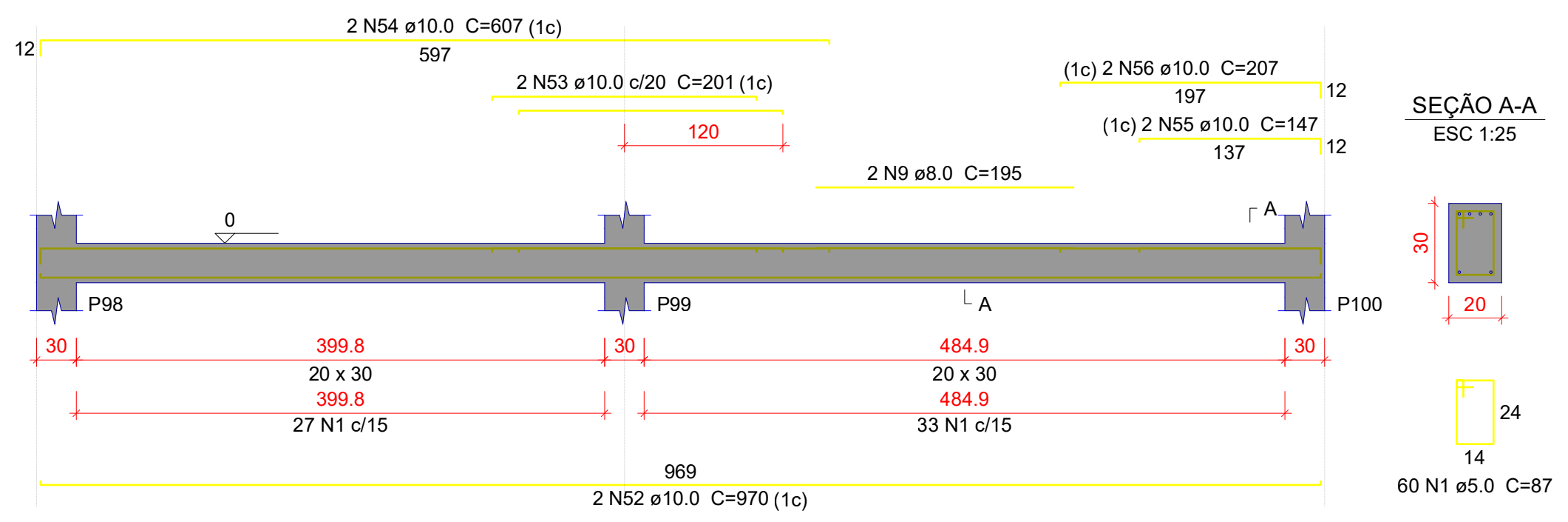
VT150
ESC 1:50


2 N46 ø10.0 C=140 (tc)
130
(tc) 2 N23 ø10.0 C=182
172
2 N13 ø8.0 C=272
P96
P97
524.6
15 x 30
524.6
35 N2 c/15
554
2 N50 ø10.0 C=555 (tc)
SEÇÃO A-A
ESC 1:25
24
9
35 N2 ø5.0 C=77

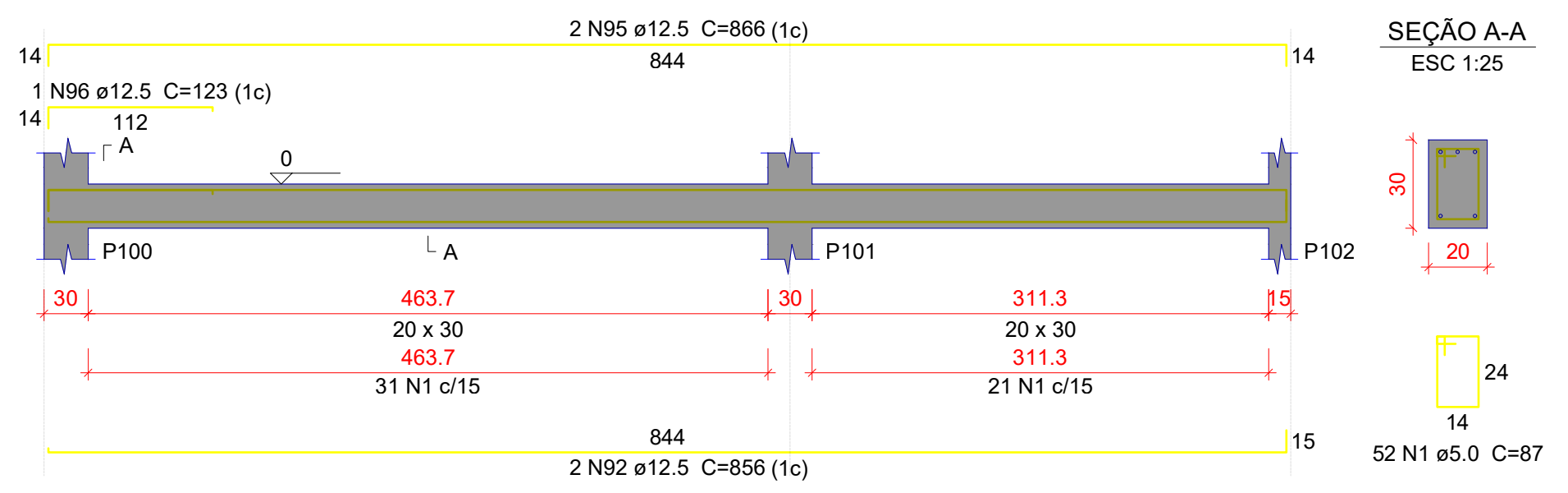
VT151
ESC 1:50


2 N51 ø10.0 C=1119 (tc)
1109
P108
P109
VT320
P110
VT327
P111
254
20 x 40
254
17 N3 c/15
320.2
20 x 40
320.2
22 N3 c/15
431
20 x 40
431
29 N3 c/15
1109
2 N51 ø10.0 C=1119 (tc)
SEÇÃO A-A
ESC 1:25
34
14
68 N3 ø5.0 C=107

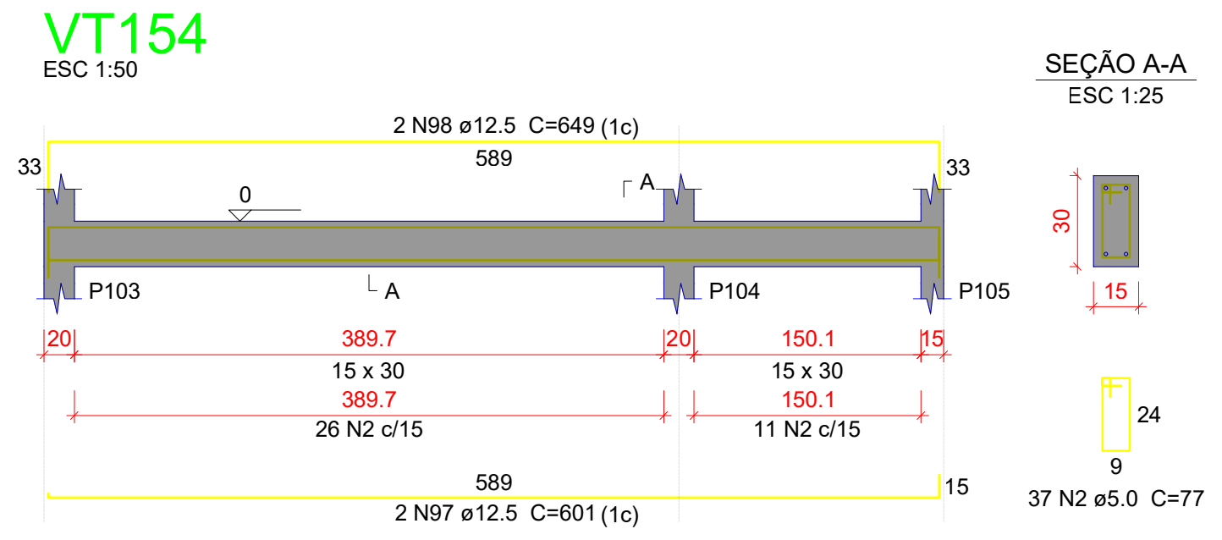
VT152
ESC 1:50


2 N54 ø10.0 C=607 (tc)
597
2 N53 ø10.0 c/20 C=201 (tc)
120
(tc) 2 N56 ø10.0 C=207
197
(tc) 2 N55 ø10.0 C=147
137
2 N9 ø8.0 C=195
P98
P99
P100
399.8
20 x 30
399.8
27 N1 c/15
484.9
20 x 30
484.9
33 N1 c/15
969
2 N52 ø10.0 C=970 (tc)
SEÇÃO A-A
ESC 1:25
24
14
60 N1 ø5.0 C=87

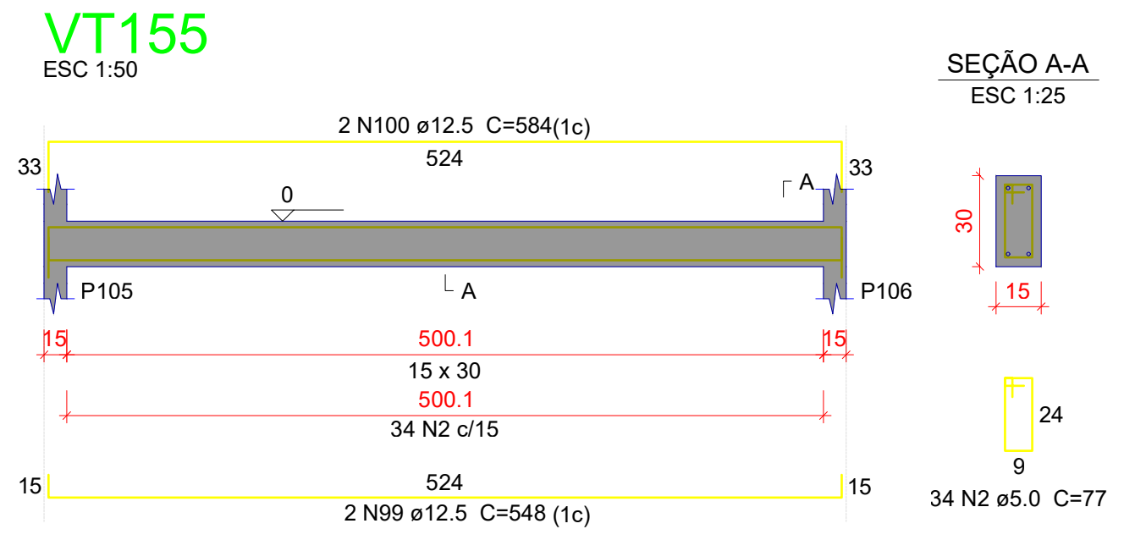
VT153
ESC 1:50


2 N95 ø12.5 C=866 (tc)
844
1 N96 ø12.5 C=123 (tc)
112
P100
P101
P102
463.7
20 x 30
463.7
31 N1 c/15
311.3
20 x 30
311.3
21 N1 c/15
844
2 N92 ø12.5 C=856 (tc)
SEÇÃO A-A
ESC 1:25
24
14
52 N1 ø5.0 C=87

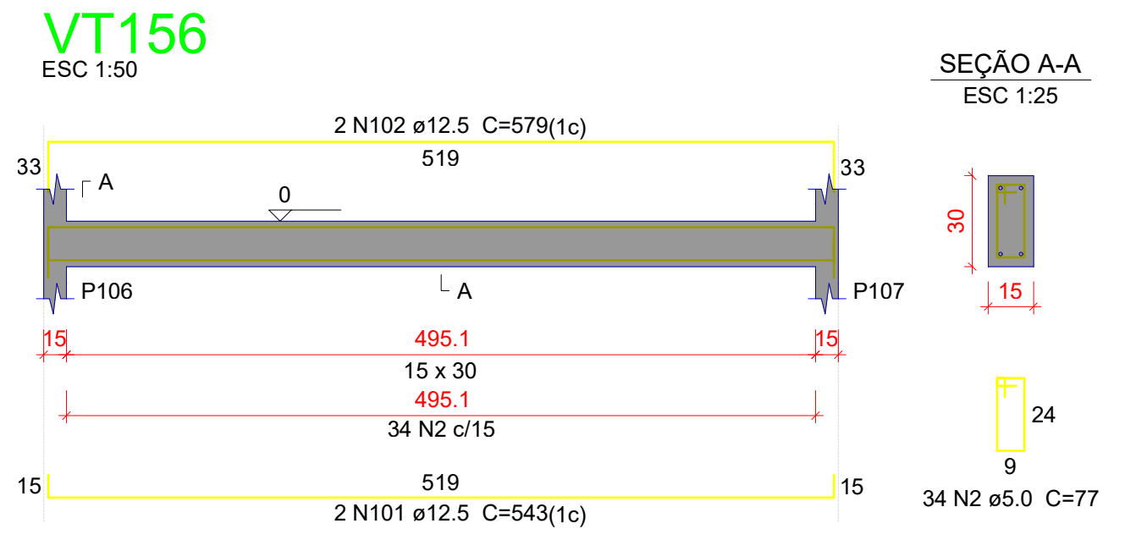
VT154
ESC 1:50


2 N98 ø12.5 C=649 (tc)
589
P103
P104
P105
389.7
15 x 30
389.7
26 N2 c/15
150.1
15 x 30
150.1
11 N2 c/15
589
2 N97 ø12.5 C=601 (tc)
SEÇÃO A-A
ESC 1:25
24
9
37 N2 ø5.0 C=77

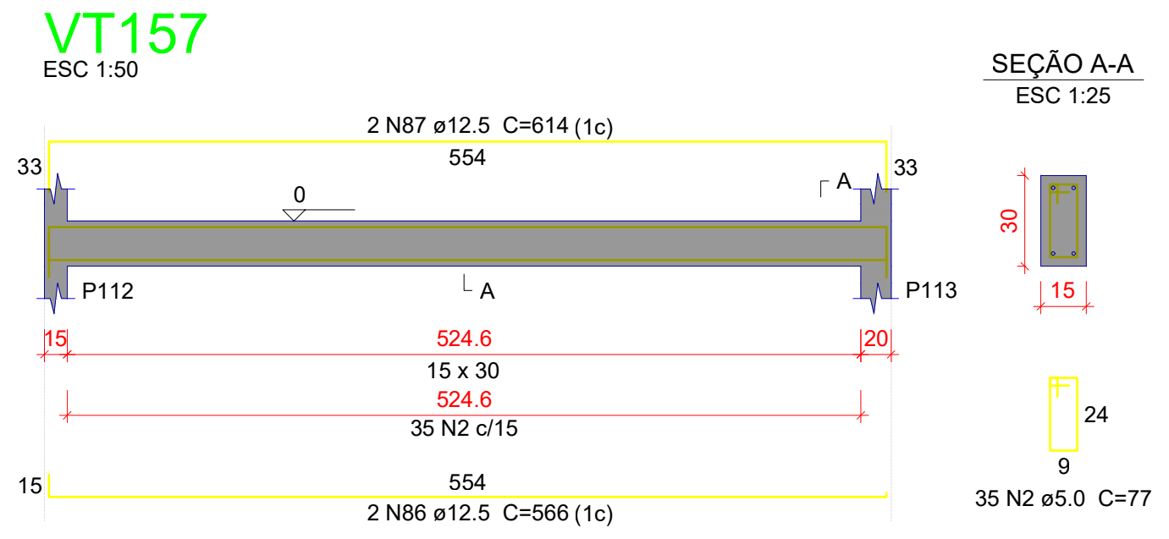
VT155
ESC 1:50


2 N100 ø12.5 C=584(tc)
524
P105
P106
500.1
15 x 30
500.1
34 N2 c/15
524
2 N99 ø12.5 C=548 (tc)
SEÇÃO A-A
ESC 1:25
24
9
34 N2 ø5.0 C=77

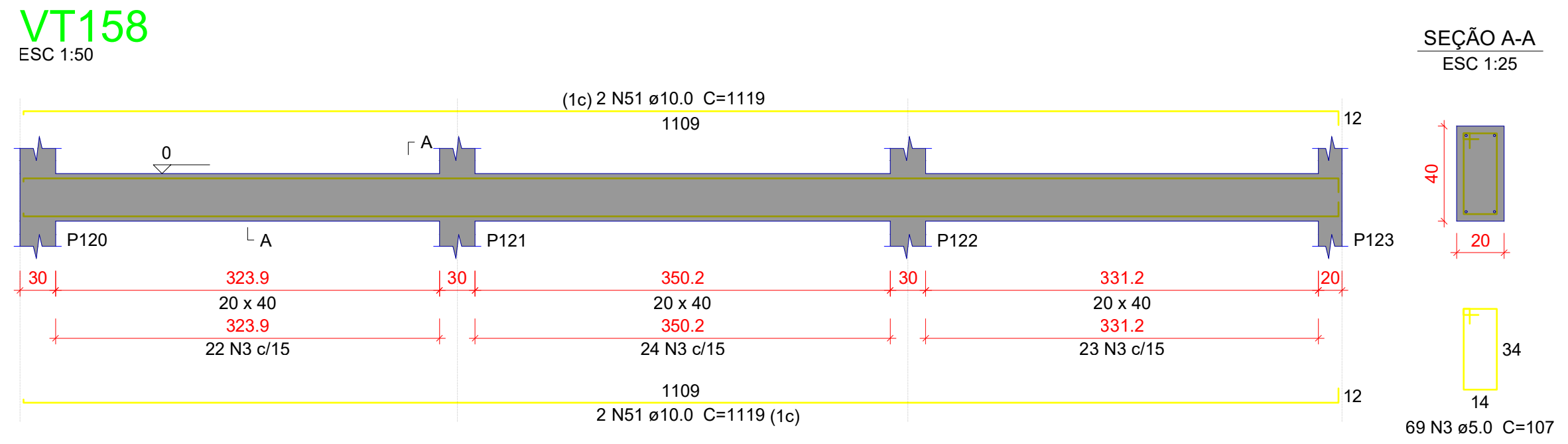
VT156
ESC 1:50


2 N102 ø12.5 C=579(tc)
519
P106
P107
495.1
15 x 30
495.1
34 N2 c/15
519
2 N101 ø12.5 C=543(tc)
SEÇÃO A-A
ESC 1:25
24
9
34 N2 ø5.0 C=77

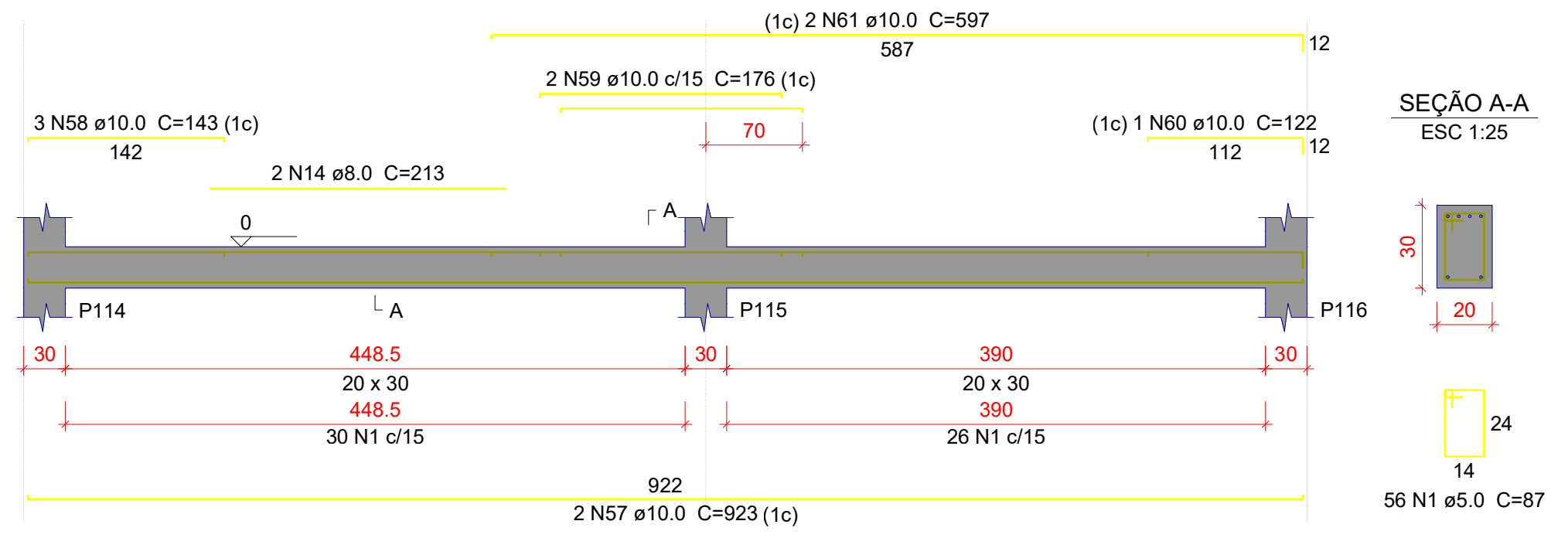
VT157
ESC 1:50


2 N87 ø12.5 C=614 (tc)
554
P112
P113
524.6
15 x 30
524.6
35 N2 c/15
554
2 N86 ø12.5 C=566 (tc)
SEÇÃO A-A
ESC 1:25
24
9
35 N2 ø5.0 C=77

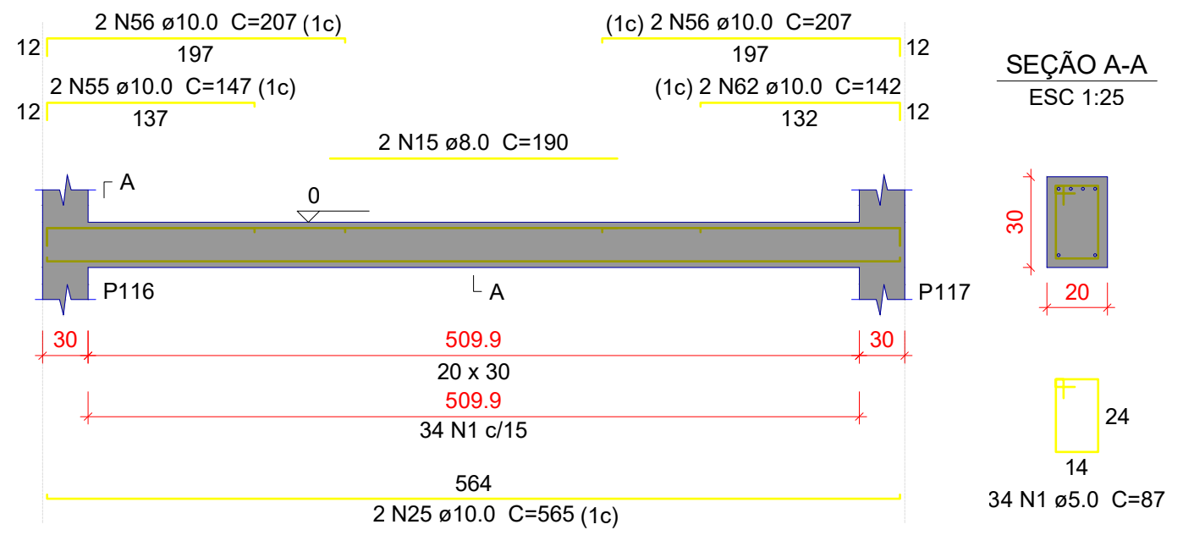
VT158
ESC 1:50


(tc) 2 N51 ø10.0 C=1119
1109
P120
P121
P122
P123
323.9
20 x 40
323.9
22 N3 c/15
350.2
20 x 40
350.2
24 N3 c/15
331.2
20 x 40
331.2
23 N3 c/15
1109
2 N51 ø10.0 C=1119 (tc)
SEÇÃO A-A
ESC 1:25
34
14
69 N3 ø5.0 C=107

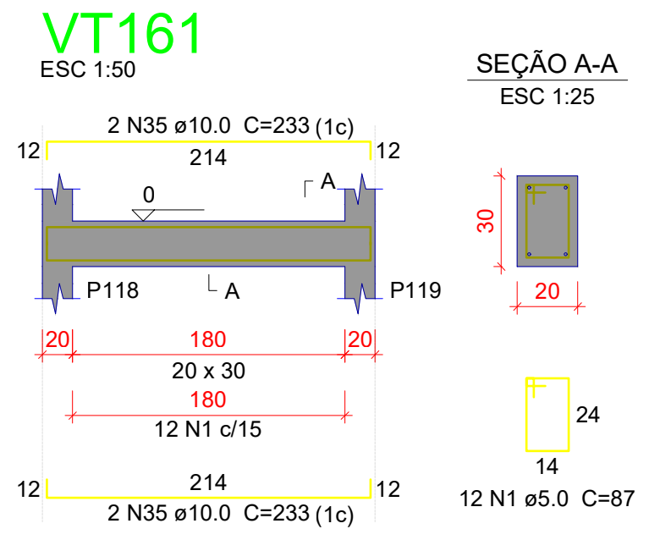
VT159
ESC 1:50


(tc) 2 N61 ø10.0 C=597
587
2 N59 ø10.0 c/15 C=176 (tc)
70
(tc) 1 N60 ø10.0 C=122
112
3 N58 ø10.0 C=143 (tc)
142
2 N14 ø8.0 C=213
P114
P115
P116
448.5
20 x 30
448.5
30 N1 c/15
390
20 x 30
390
26 N1 c/15
922
2 N57 ø10.0 C=923 (tc)
SEÇÃO A-A
ESC 1:25
24
14
56 N1 ø5.0 C=87

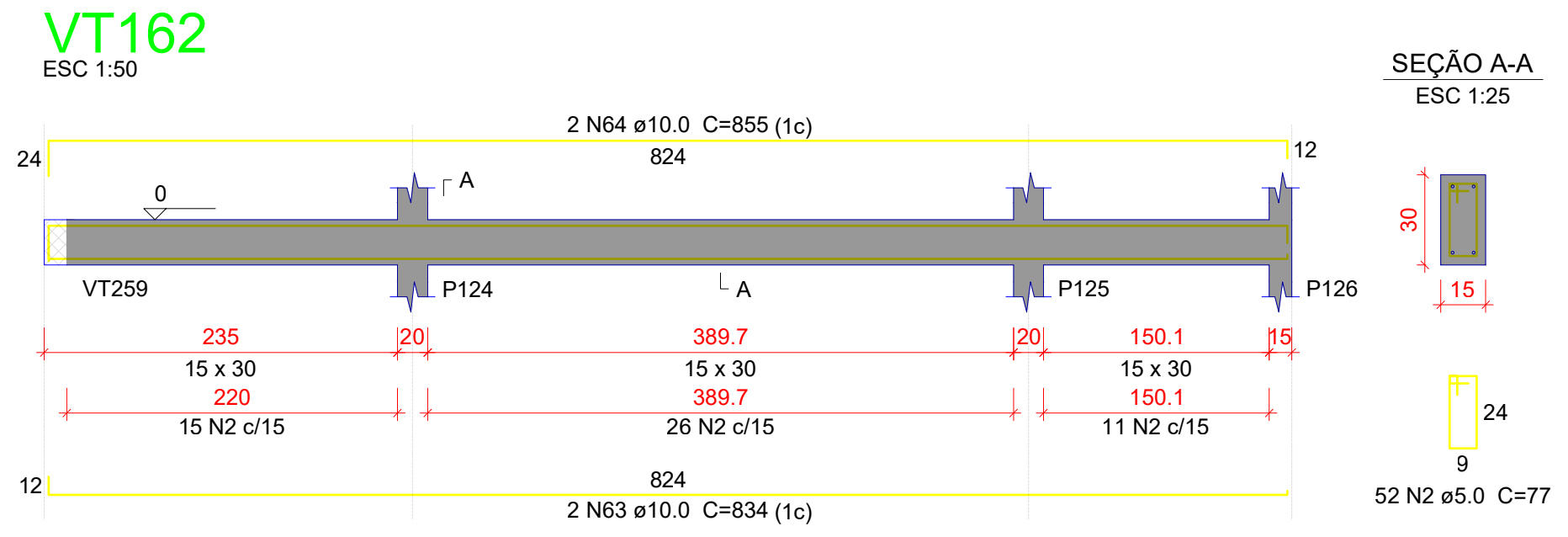
VT160
ESC 1:50


2 N56 ø10.0 C=207 (tc)
197
2 N55 ø10.0 C=147 (tc)
137
(tc) 2 N56 ø10.0 C=207
197
(tc) 2 N62 ø10.0 C=142
132
2 N15 ø8.0 C=190
P116
P117
509.9
20 x 30
509.9
34 N1 c/15
564
2 N25 ø10.0 C=565 (tc)
SEÇÃO A-A
ESC 1:25
24
14
34 N1 ø5.0 C=87

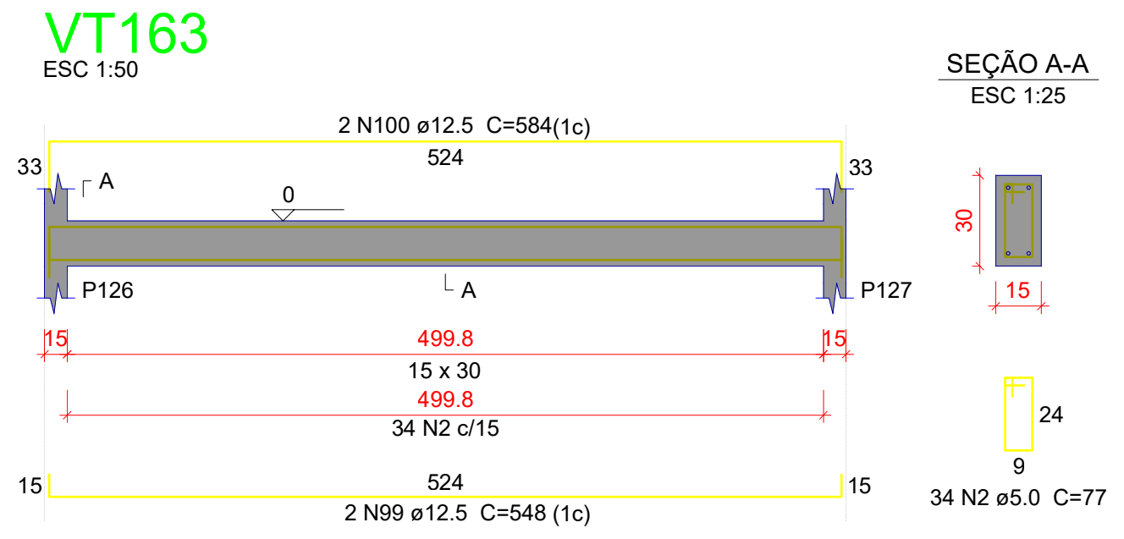
VT161
ESC 1:50


2 N35 ø10.0 C=233 (tc)
214
P118
P119
180
20 x 30
180
12 N1 c/15
214
2 N35 ø10.0 C=233 (tc)
SEÇÃO A-A
ESC 1:25
24
14
12 N1 ø5.0 C=87

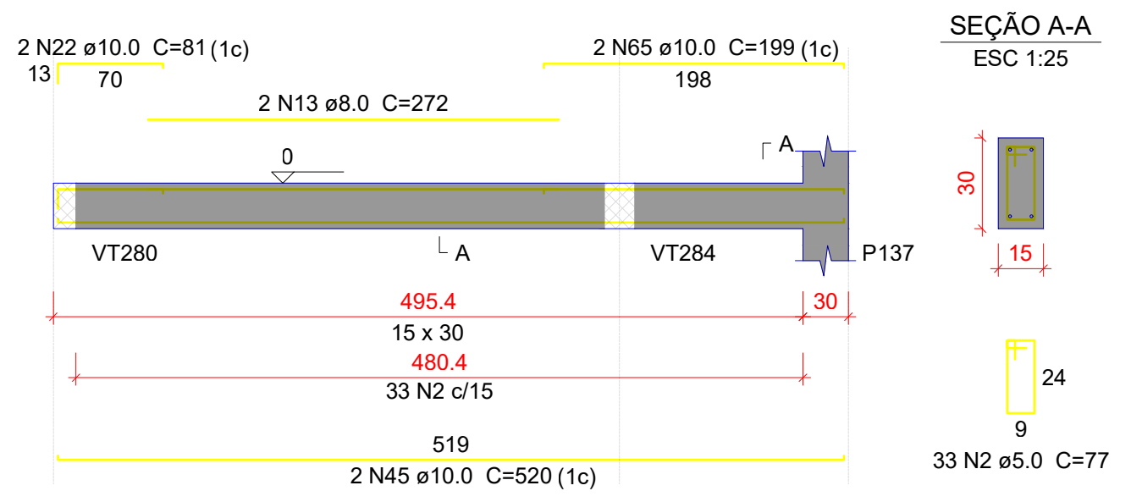
VT162
ESC 1:50


2 N64 ø10.0 C=855 (tc)
824
VT259
P124
P125
P126
235
15 x 30
220
15 N2 c/15
389.7
15 x 30
389.7
26 N2 c/15
150.1
15 x 30
150.1
11 N2 c/15
824
2 N63 ø10.0 C=834 (tc)
SEÇÃO A-A
ESC 1:25
24
9
52 N2 ø5.0 C=77

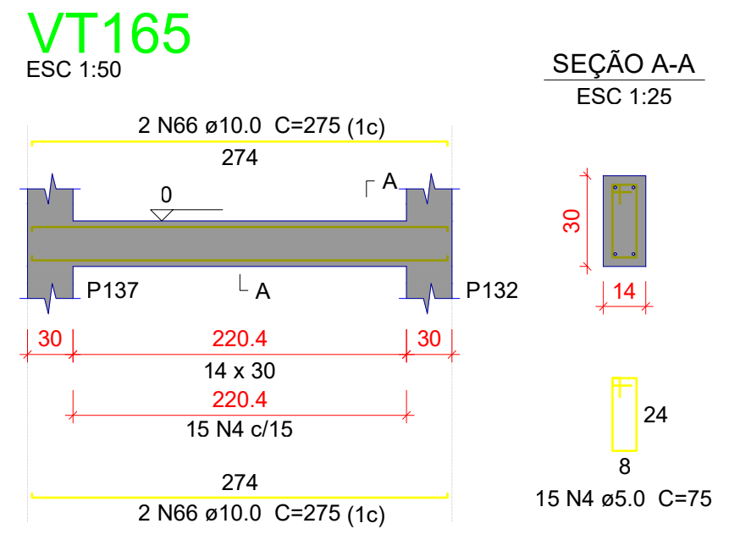
VT163
ESC 1:50


2 N100 ø12.5 C=584(tc)
524
P126
P127
499.8
15 x 30
499.8
34 N2 c/15
524
2 N99 ø12.5 C=548 (tc)
SEÇÃO A-A
ESC 1:25
24
9
34 N2 ø5.0 C=77

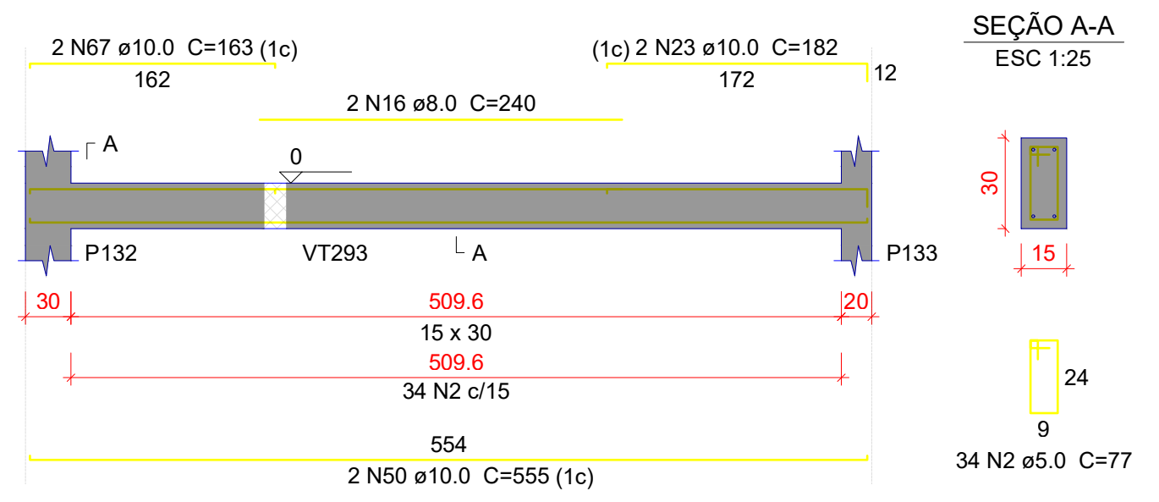
VT164
ESC 1:50


2 N22 ø10.0 C=81 (tc)
70
2 N65 ø10.0 C=199 (tc)
198
2 N13 ø8.0 C=272
VT280
VT284
P137
495.4
15 x 30
480.4
33 N2 c/15
519
2 N45 ø10.0 C=520 (tc)
SEÇÃO A-A
ESC 1:25
24
9
33 N2 ø5.0 C=77

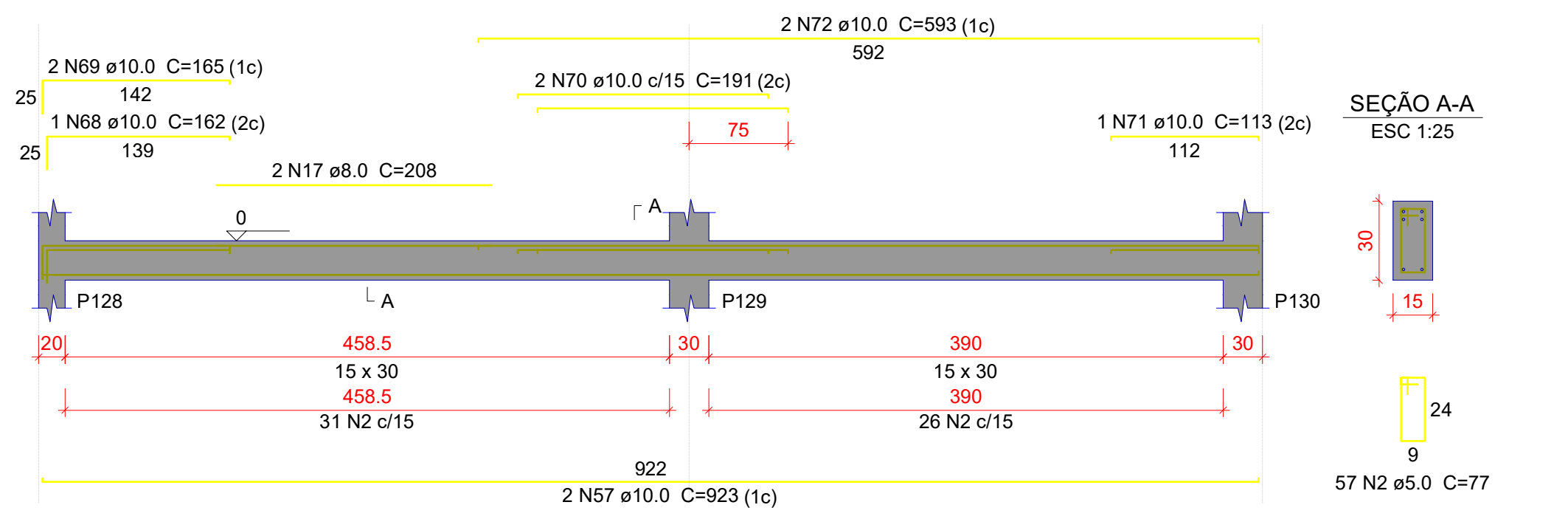
VT165
ESC 1:50


2 N66 ø10.0 C=275 (tc)
274
P137
P132
220.4
14 x 30
220.4
15 N4 c/15
274
2 N66 ø10.0 C=275 (tc)
SEÇÃO A-A
ESC 1:25
24
8
15 N4 ø5.0 C=75

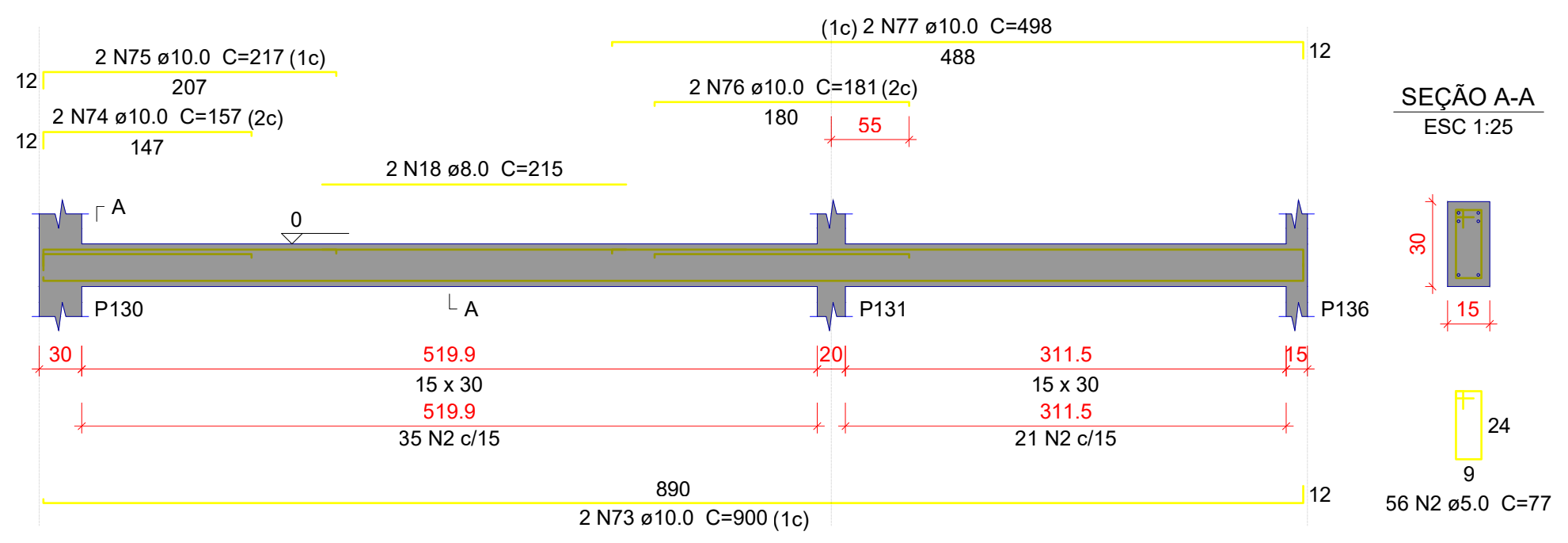
VT166
ESC 1:50


2 N67 ø10.0 C=163 (tc)
162
(tc) 2 N23 ø10.0 C=182
172
2 N16 ø8.0 C=240
P132
VT293
P133
509.6
15 x 30
509.6
34 N2 c/15
554
2 N50 ø10.0 C=555 (tc)
SEÇÃO A-A
ESC 1:25
24
9
34 N2 ø5.0 C=77

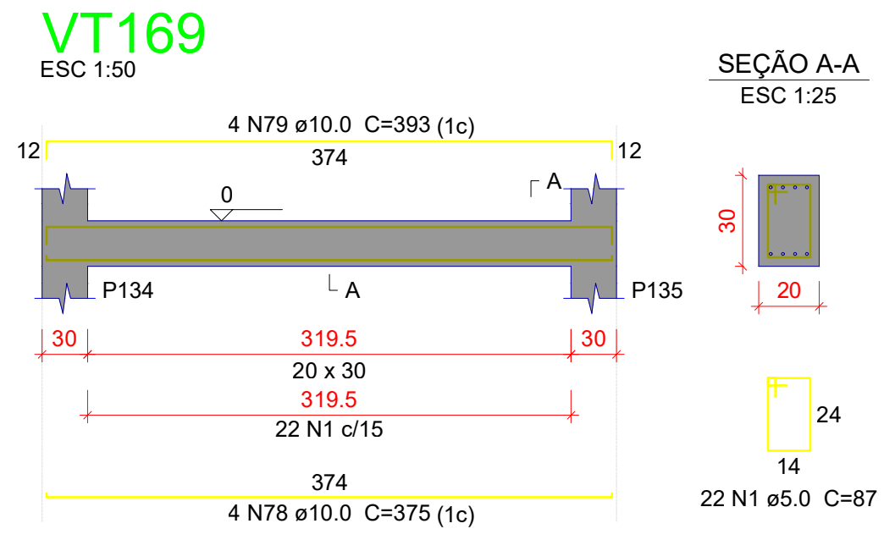
VT167
ESC 1:50


2 N69 ø10.0 C=165 (tc)
142
1 N68 ø10.0 C=162 (2c)
139
2 N70 ø10.0 c/15 C=191 (2c)
75
2 N72 ø10.0 C=593 (tc)
592
1 N71 ø10.0 C=113 (2c)
112
2 N17 ø8.0 C=208
P128
P129
P130
458.5
15 x 30
458.5
31 N2 c/15
390
15 x 30
390
26 N2 c/15
922
2 N57 ø10.0 C=923 (tc)
SEÇÃO A-A
ESC 1:25
24
9
57 N2 ø5.0 C=77

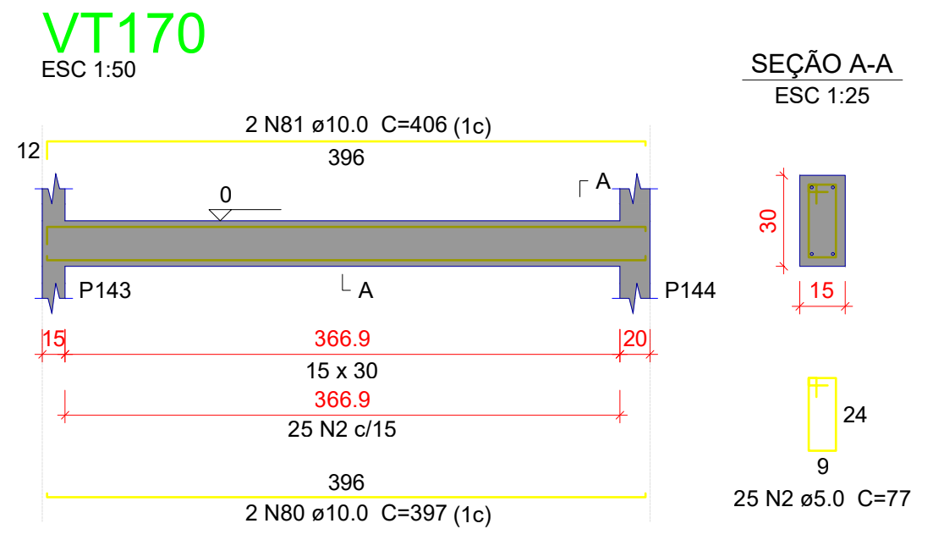
VT168
ESC 1:50


2 N75 ø10.0 C=217 (tc)
207
2 N74 ø10.0 C=157 (2c)
147
(tc) 2 N77 ø10.0 C=498
488
2 N76 ø10.0 C=181 (2c)
180
55
2 N18 ø8.0 C=215
P130
P131
P136
519.9
15 x 30
519.9
35 N2 c/15
311.5
15 x 30
311.5
21 N2 c/15
890
2 N73 ø10.0 C=900 (tc)
SEÇÃO A-A
ESC 1:25
24
9
56 N2 ø5.0 C=77

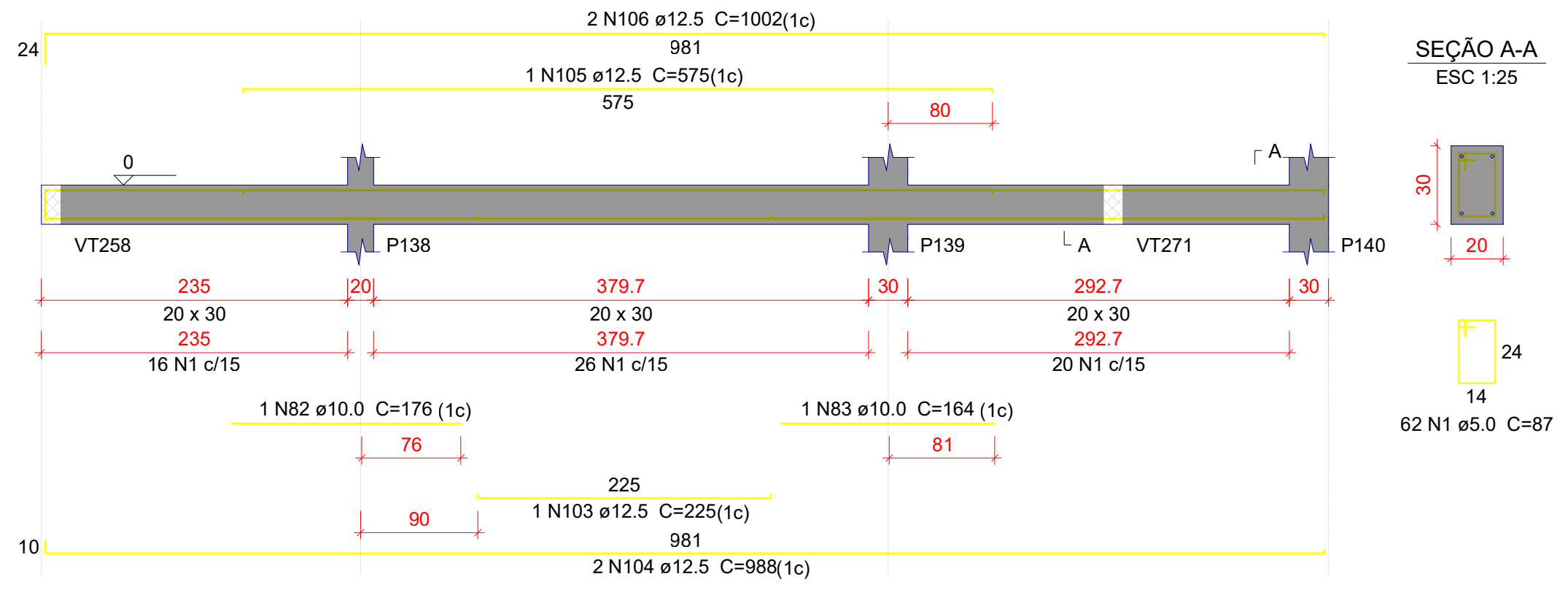
VT169
ESC 1:50


4 N79 ø10.0 C=393 (tc)
374
P134
P135
319.5
20 x 30
319.5
22 N1 c/15
374
4 N78 ø10.0 C=375 (tc)
SEÇÃO A-A
ESC 1:25
24
14
22 N1 ø5.0 C=87

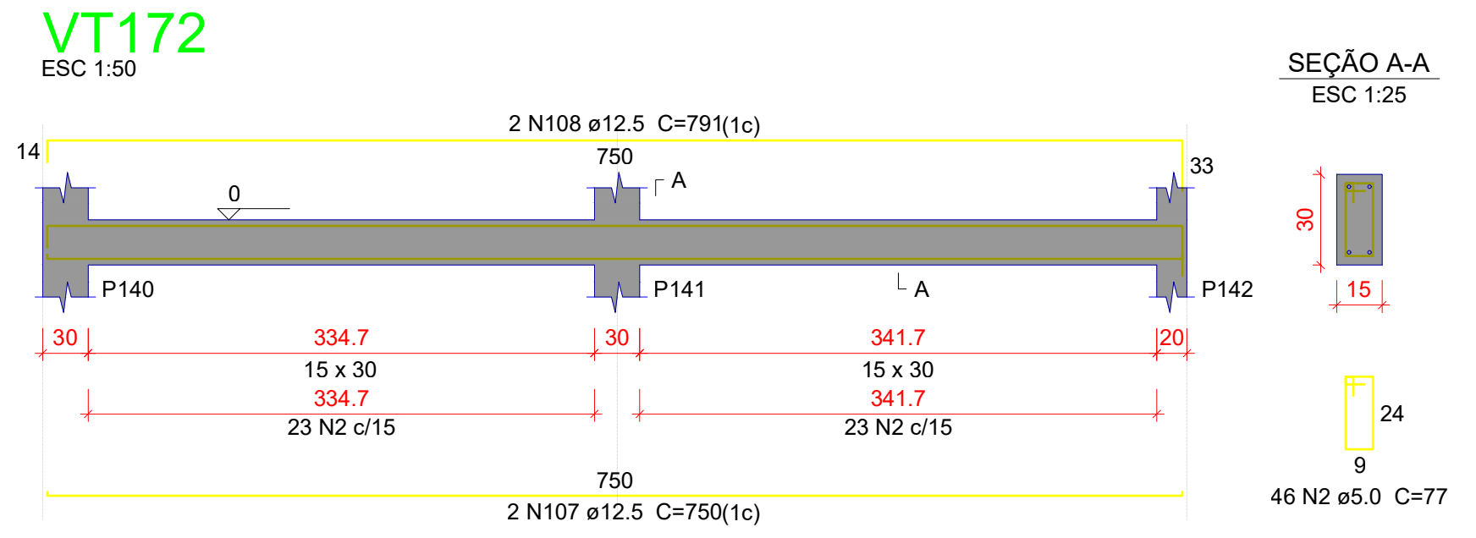
VT170
ESC 1:50


2 N81 ø10.0 C=406 (tc)
396
P143
P144
366.9
15 x 30
366.9
25 N2 c/15
396
2 N80 ø10.0 C=397 (tc)
SEÇÃO A-A
ESC 1:25
24
9
25 N2 ø5.0 C=77

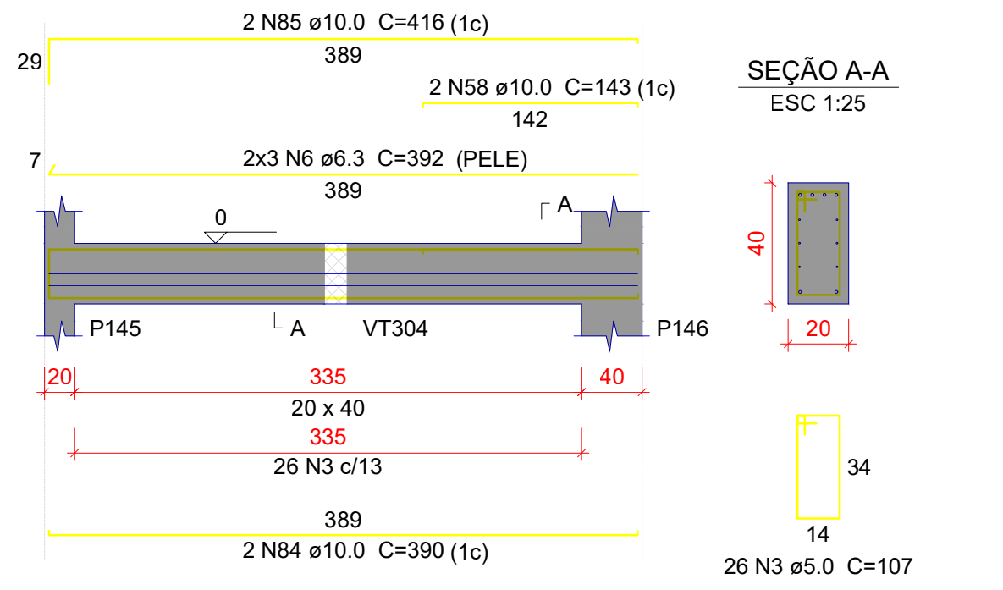
VT171
ESC 1:50


2 N106 ø12.5 C=1002(tc)
981
1 N105 ø12.5 C=575(tc)
575
80
VT258
P138
P139
VT271
P140
235
20 x 30
235
16 N1 c/15
379.7
20 x 30
379.7
26 N1 c/15
292.7
20 x 30
292.7
20 N1 c/15
1 N82 ø10.0 C=176 (tc)
76
1 N83 ø10.0 C=164 (tc)
81
225
1 N103 ø12.5 C=225(tc)
90
981
2 N104 ø12.5 C=988(tc)
SEÇÃO A-A
ESC 1:25
24
14
62 N1 ø5.0 C=87

VT172
ESC 1:50


2 N108 ø12.5 C=791(tc)
750
P140
P141
P142
334.7
15 x 30
334.7
23 N2 c/15
341.7
15 x 30
341.7
23 N2 c/15
750
2 N107 ø12.5 C=750(tc)
SEÇÃO A-A
ESC 1:25
24
9
46 N2 ø5.0 C=77

VT173
ESC 1:50


2 N85 ø10.0 C=416 (tc)
389
2 N58 ø10.0 C=143 (tc)
142
2x3 N6 ø6.3 C=392 (PELE)
389
P145
VT304
P146
335
20 x 40
335
26 N3 c/13
389
2 N84 ø10.0 C=390 (tc)
SEÇÃO A-A
ESC 1:25
20
34
14
26 N3 ø5.0 C=107

Relação do aço

VT135	VT136	VT137
VT138	VT139	VT140
VT141	VT142	VT143
VT144	VT145	VT146
VT147	VT148	VT149
VT150	VT151	VT152
VT153	VT154	VT155
VT156	VT157	VT158
VT159	VT160	VT161
VT162	VT163	VT164
VT165	VT166	VT167
VT168	VT169	VT170
VT171	VT172	VT173

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	387	87	33669
	2	5.0	972	77	74844
	3	5.0	163	107	17441
	4	5.0	15	75	1125
CA50	5	6.3	23	78	1794
	6	6.3	6	392	2352
	7	8.0	2	323	646
	8	8.0	2	179	358
	9	8.0	4	195	780
	10	8.0	2	204	408
	11	8.0	2	260	520
	12	8.0	2	327	654
	13	8.0	4	272	1088
	14	8.0	2	213	426
	15	8.0	2	190	380
	16	8.0	2	240	480
	17	8.0	2	208	416
	18	8.0	2	215	430
	19	10.0	4	710	2840
	20	10.0	1	83	83
	21	10.0	2	546	1092
	22	10.0	4	81	324
	23	10.0	6	182	1092
	24	10.0	1	246	246
	25	10.0	4	565	2260
	26	10.0	2	101	202
	27	10.0	1	608	608
	28	10.0	2	615	1230
	29	10.0	2	784	1568
	30	10.0	2	793	1586
	31	10.0	2	598	1196
	32	10.0	2	133	266
	33	10.0	2	307	614
	34	10.0	2	224	448
	35	10.0	6	233	1398
	36	10.0	2	510	1020
	37	10.0	4	153	612
	38	10.0	2	183	366
	39	10.0	2	634	1268
	40	10.0	2	658	1316
	41	10.0	2	486	972
	42	10.0	4	160	640
	43	10.0	2	525	1050
	44	10.0	2	553	1106
	45	10.0	4	520	2080
	46	10.0	4	140	560
	47	10.0	2	590	1180
	48	10.0	2	168	336
	49	10.0	2	143	286
	50	10.0	4	555	2220
	51	10.0	8	1119	8952
	52	10.0	2	970	1940
	53	10.0	2	201	402
	54	10.0	2	607	1214
	55	10.0	4	147	588
	56	10.0	6	207	1242
	57	10.0	4	923	3692
	58	10.0	5	143	715
	59	10.0	2	176	352
	60	10.0	1	122	122
	61	10.0	2	597	1194
	62	10.0	2	142	284
	63	10.0	2	834	1668
	64	10.0	2	855	1710
	65	10.0	2	199	398
	66	10.0	4	275	1100
	67	10.0	2	163	326
	68	10.0	1	162	162
	69	10.0	2	165	330
	70	10.0	2	191	382
	71	10.0	1	113	113
	72	10.0	2	593	1186
	73	10.0	2	900	1800
	74	10.0	2	157	314
	75	10.0	2	217	434
	76	10.0	2	181	362
	77	10.0	2	498	996
	78	10.0	4	375	1500
	79	10.0	4	393	1572
	80	10.0	2	397	794
	81	10.0	2	406	812
	82	10.0	1	176	176
	83	10.0	1	164	164
	84	10.0	2	390	780
	85	10.0	2	416	832
	86	12.5	4	566	2264
	87	12.5	4	614	2456
	88	12.5	2	979	1958
	89	12.5	1	180	180
	90	12.5	1	116	116
	91	12.5	2	1020	2040
	92	12.5	4	856	3424
	93	12.5	1	119	119
	94	12.5	1	176	176
	95	12.5	4	866	3464
	96	12.5	1	123	123
	97	12.5	2	601	1202
	98	12.5	2	649	1298
	99	12.5	4	548	2192
	100	12.5	4	584	2336
	101	12.5	2	543	1086
	102	12.5	2	579	1158
	103	12.5	1	225	225
	104	12.5	2	988	1976
	105	12.5	1	575	575
	106	12.5	2	1002	2004
	107	12.5	2	750	1500
	108	12.5	2	791	1582

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	41.5	11.2
	8.0	65.9	28.6
	10.0	706.8	479.3
	12.5	334.6	354.5
CA60	5.0	1270.8	215.5

PESO TOTAL (kg)	
CA50	873.5
CA60	215.5

Volume de concreto (C-35) = 11.96 m³
Área de forma = 180.1 m²

Caracteristicas do Projeto

1 – COBRIMENTO DAS ARMADURAS – PILARES E VIGAS: 3 cm
2 – COBRIMENTO DAS ARMADURAS – LAJES E ESCADAS: 3 cm
3 – COBRIMENTO DAS ARMADURAS – FUNDAÇÃO: 4.5 cm
4– PREVER LASTRO DE CONCRETO MAGRO (5 cm) SOB AS ESTRUTURAS EM CONCRETO.
5 – OS VENTOS INCIDENTES NAS FACES X (90°) E Y (0°) , RESPECTIVAMENTE, NÃO OCORREM SIMULTANEAMENTE.

LEGENDA DA PLANTA DE LOCAÇÃO

Ⓐ ORIENTAÇÃO DOS EIXOS DOS PILARES
① ORIENTAÇÃO DOS EIXOS DOS PILARES

NOTAS 1 : DURABILIDADE

1 – CLASSE DE AGRESSIVIDADE AMBIENTAL: II
2 – MÓDULO DE ELASTICIDADE > 35.42 GPa
3 – FATOR A/C < 0.4
4 – AÇO CA 50A e CA 60B
5 – CONCRETO CLASSE > 35 MPa
6 – CONSUMO DE CIMENTO > 350 Kg/m3

NOTAS 2 : NORMAS

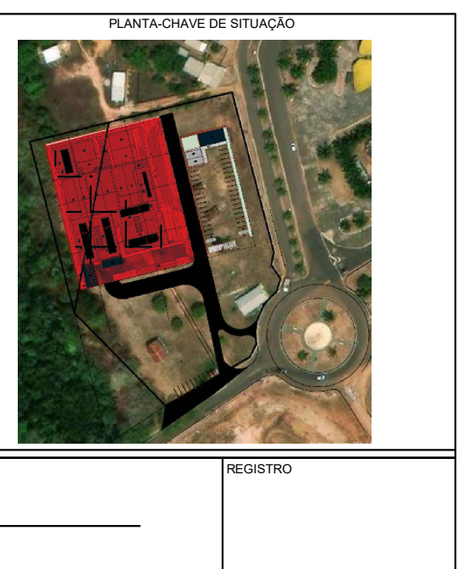
- NBR 06118 – 2023 – Projeto de Estruturas de Concreto armado
- NBR 06120 – 2019 – Cargas para o Cálculo de Estruturas de edificações – Procedimento
- NBR 06123 – 2023 – Forças Devidas ao Vento em Edificações
- NBR 8681 – 2003 – Ações e Segurança nas Estruturas
- NBR 6122 – 2022 – Projeto e execução de Fundações

NOTAS 3 : GERAIS

1 – Dimensões em Centimetros e Níveis em metros
2 – Conferir as disposição das armaduras antes da concretagem.
3 – A Responsabilidade pela fiscalização da obra é do Engº resp Técnico.
4 – Aconselhamos moldagem de corpos de prova para cada caminhão betone
5 – Respeitar os prazos mínimos para retirada de formas e escoramentos.
6 – Evitar romper concreto após endurecido, com marreta e talhadeira.
7 – Toda e qualquer alteração no respectivo projeto, o Calculista deverá ser consultado e o mesmo deverá emitir seu parecer por escrito.

Itacoatiara
PREFEITURA

PLANTA-CHAVE DE SITUAÇÃO



AUTOR(A) DO PROJETO EXECUTIVO

NOME 01	ASSINATURA/CARIMBO	REGISTRO
NOME 02	ASSINATURA/CARIMBO	
NOME 03	RAIMUNDO NONATO BELO SOARES - ENGENHEIRO CIVIL ASSINATURA/CARIMBO	CREA - 4374-D AM RR

REVISÃO	DATA DE REVISÃO	DESCRIÇÃO
R0	02/12/2025	EMISSÃO INICIAL

TÍTULO DO PROJETO
Construção de uma Policlínica Regional no Município de Itacoatiara/AM.

PROPRIETÁRIO
MUNICÍPIO DE ITACOATIARA

CNPJ
04.241.980/0001-75
ENDEREÇO RUA ÁLVARO MAIA, 3355, BAIRRO - SÃO FRANCISCO - ITACOATIARA- AM
CEP 69.101-380

PAC
SAÚDE

DISCIPLINA
ESTRUTURAL
PRANCHA 27/62

TÍTULO DA PRANCHA
DETALHAMENTO DAS VIGAS EM CONCRETO ARMADO
NÍVEL DO PAVIMENTO TÉRREO

DESCRIÇÃO DA ETAPA
PROJETO EXECUTIVO

NOME: PRANCHA - ARQUIVO	REVISÃO	UNIDADE	DATA	ESCALA
MS_POLICLÍNICA_EST-27	R00	METROS	02/12/2025	INDICADA

AUTOR(A) INTELECTUAL	REGISTRO
KAYO HENRIQUE MOREIRA	**199774/D**

DIREITOS AUTORAIS RESERVADOR CONFORME LEGISLAÇÃO NACIONAL E INTERNACIONAL

FOLHA A0
841 x 1189

DIREITOS AUTORAIS RESERVADOR CONFORME LEGISLAÇÃO NACIONAL E INTERNACIONAL