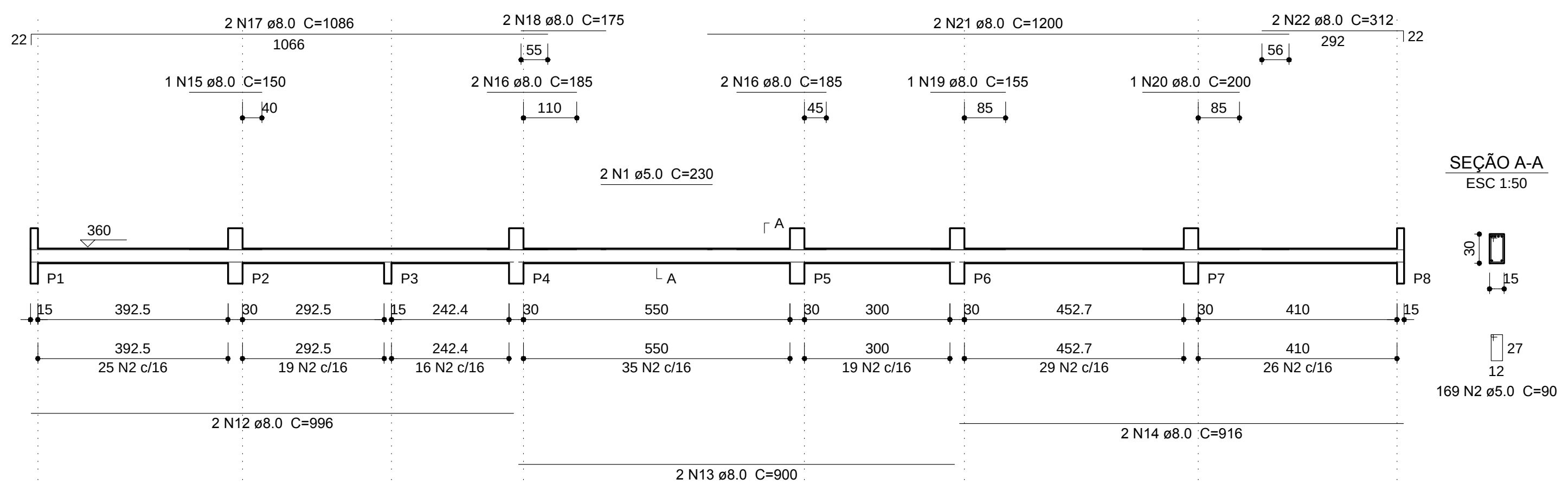
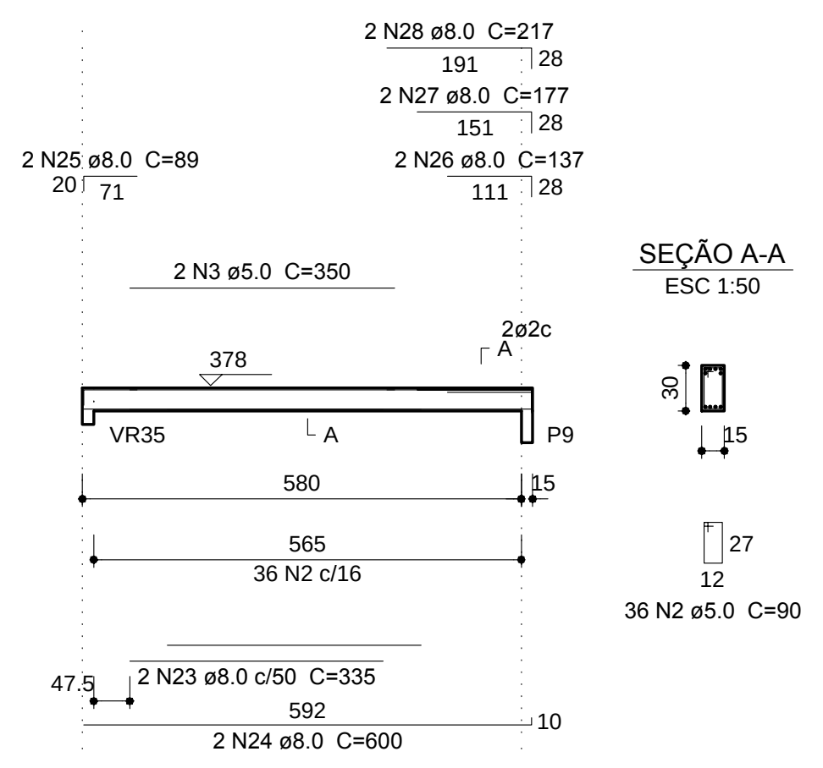
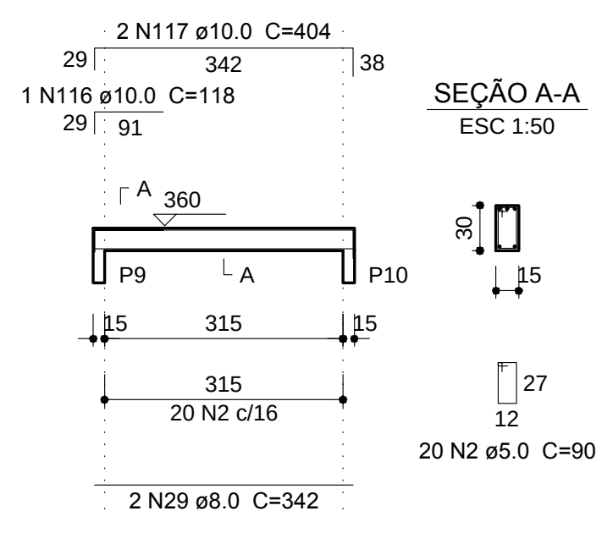
VR1
ESC 1:100


2 N17 ø8.0 C=1086
22
1066
2 N18 ø8.0 C=175
55
2 N21 ø8.0 C=1200
2 N22 ø8.0 C=312
292
22
56
1 N15 ø8.0 C=150
40
2 N16 ø8.0 C=185
110
2 N16 ø8.0 C=185
45
1 N19 ø8.0 C=155
85
1 N20 ø8.0 C=200
85
2 N1 ø5.0 C=230
360
A
P1
P2
P3
P4
A
P5
P6
P7
P8
15
392.5
30
292.5
15
242.4
30
550
30
300
30
452.7
30
410
15
392.5
25 N2 c/16
292.5
19 N2 c/16
242.4
16 N2 c/16
550
35 N2 c/16
300
19 N2 c/16
452.7
29 N2 c/16
410
26 N2 c/16
2 N12 ø8.0 C=996
2 N13 ø8.0 C=900
2 N14 ø8.0 C=916
SEÇÃO A-A
ESC 1:50
30
15
27
12
169 N2 ø5.0 C=90

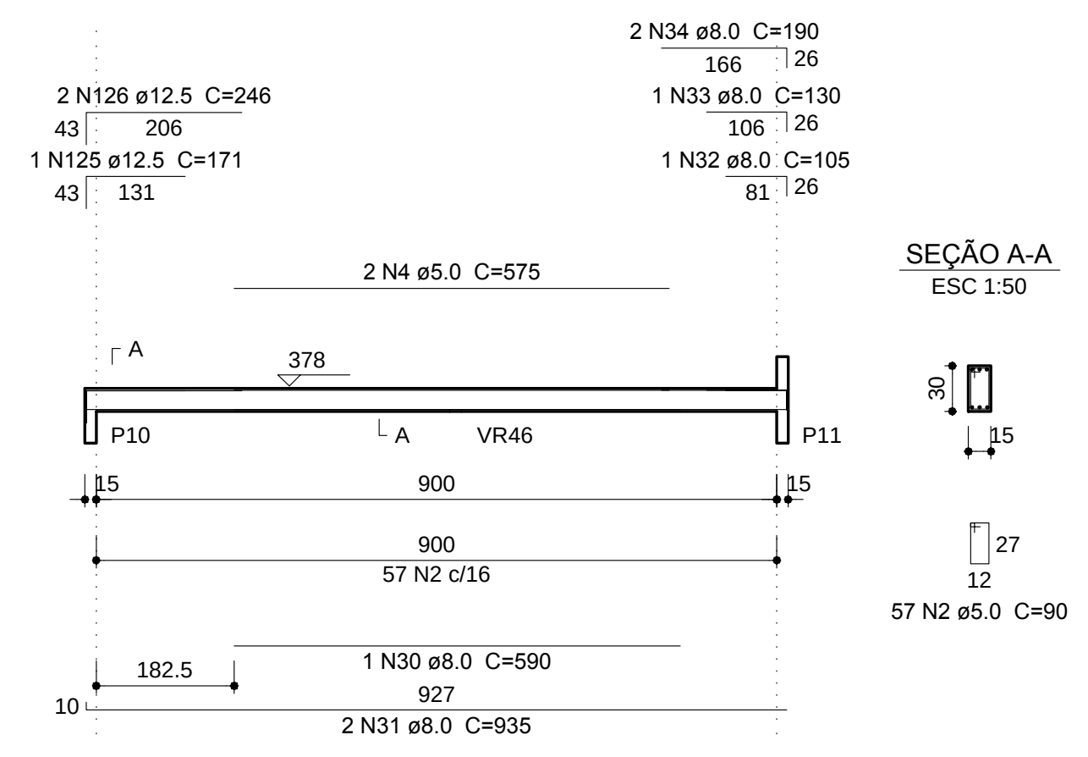
VR2
ESC 1:100


2 N28 ø8.0 C=217
191
28
2 N27 ø8.0 C=177
151
28
2 N25 ø8.0 C=89
20
71
2 N26 ø8.0 C=137
111
28
2 N3 ø5.0 C=350
2ø2c
A
378
VR35
A
P9
580
15
565
36 N2 c/16
47.5
2 N23 ø8.0 c/50 C=335
592
2 N24 ø8.0 C=600
10
SEÇÃO A-A
ESC 1:50
30
15
27
12
36 N2 ø5.0 C=90

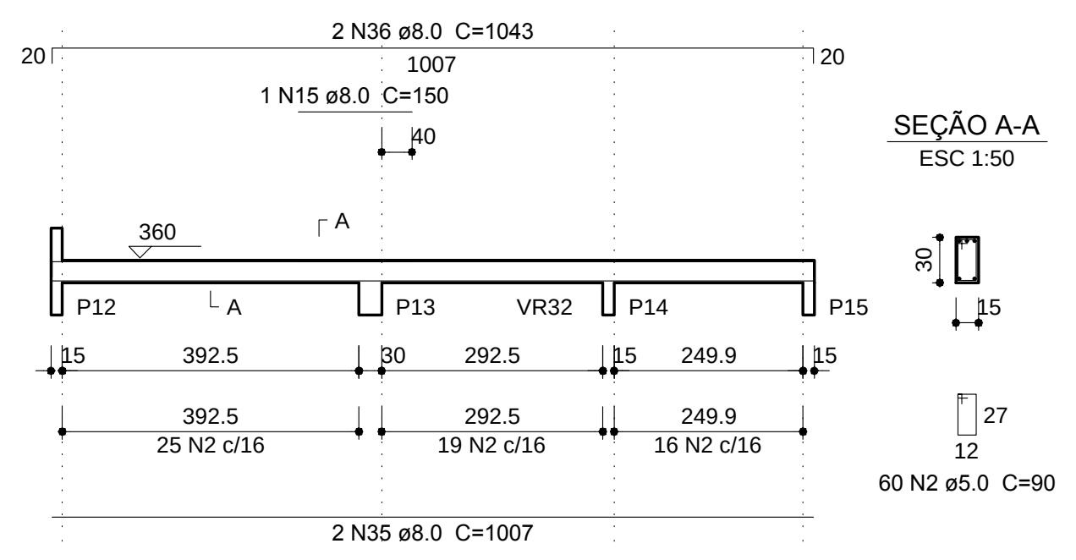
VR3
ESC 1:100


2 N117 ø10.0 C=404
29
342
38
1 N116 ø10.0 C=118
29
91
A
360
P9
A
P10
15
315
15
315
20 N2 c/16
2 N29 ø8.0 C=342
SEÇÃO A-A
ESC 1:50
30
15
27
12
20 N2 ø5.0 C=90

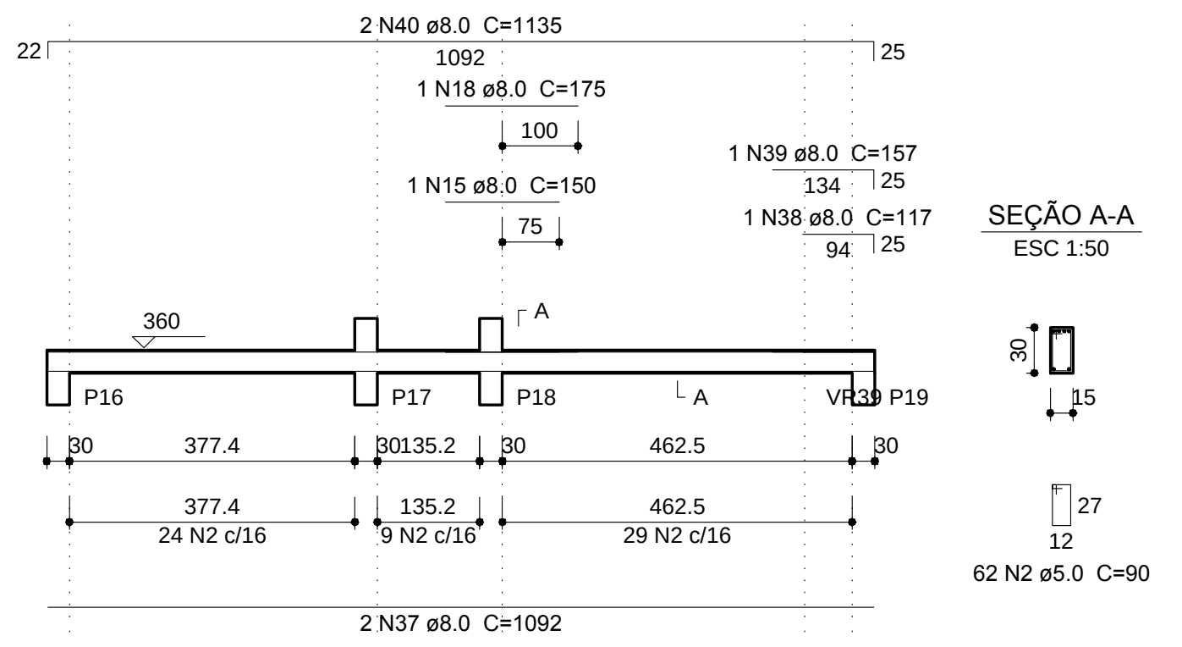
VR4
ESC 1:100


2 N34 ø8.0 C=190
166
26
2 N126 ø12.5 C=246
43
206
1 N33 ø8.0 C=130
106
26
1 N125 ø12.5 C=171
43
131
1 N32 ø8.0 C=105
81
26
2 N4 ø5.0 C=575
A
378
P10
A
VR46
P11
15
900
15
900
57 N2 c/16
182.5
1 N30 ø8.0 C=590
10
927
2 N31 ø8.0 C=935
SEÇÃO A-A
ESC 1:50
30
15
27
12
57 N2 ø5.0 C=90

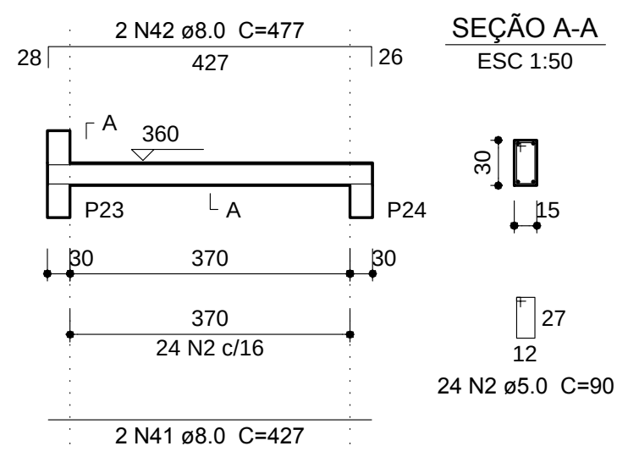
VR5
ESC 1:100


2 N36 ø8.0 C=1043
20
1007
20
1 N15 ø8.0 C=150
40
360
A
P12
A
P13
VR32
P14
P15
15
392.5
30
292.5
15
249.9
15
392.5
25 N2 c/16
292.5
19 N2 c/16
249.9
16 N2 c/16
2 N35 ø8.0 C=1007
SEÇÃO A-A
ESC 1:50
30
15
27
12
60 N2 ø5.0 C=90

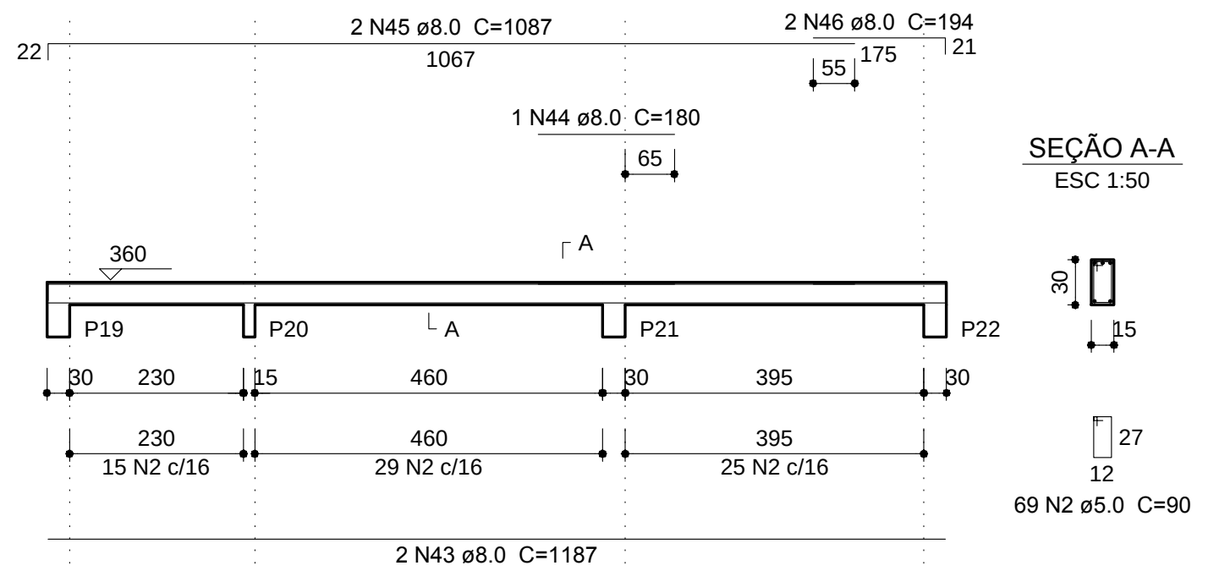
VR6
ESC 1:100


2 N40 ø8.0 C=1135
22
1092
25
1 N18 ø8.0 C=175
100
1 N39 ø8.0 C=157
134
25
1 N15 ø8.0 C=150
75
1 N38 ø8.0 C=117
94
25
360
A
P16
P17
P18
A
VR39
P19
30
377.4
30
135.2
30
462.5
30
377.4
24 N2 c/16
135.2
9 N2 c/16
462.5
29 N2 c/16
2 N37 ø8.0 C=1092
SEÇÃO A-A
ESC 1:50
30
15
27
12
62 N2 ø5.0 C=90

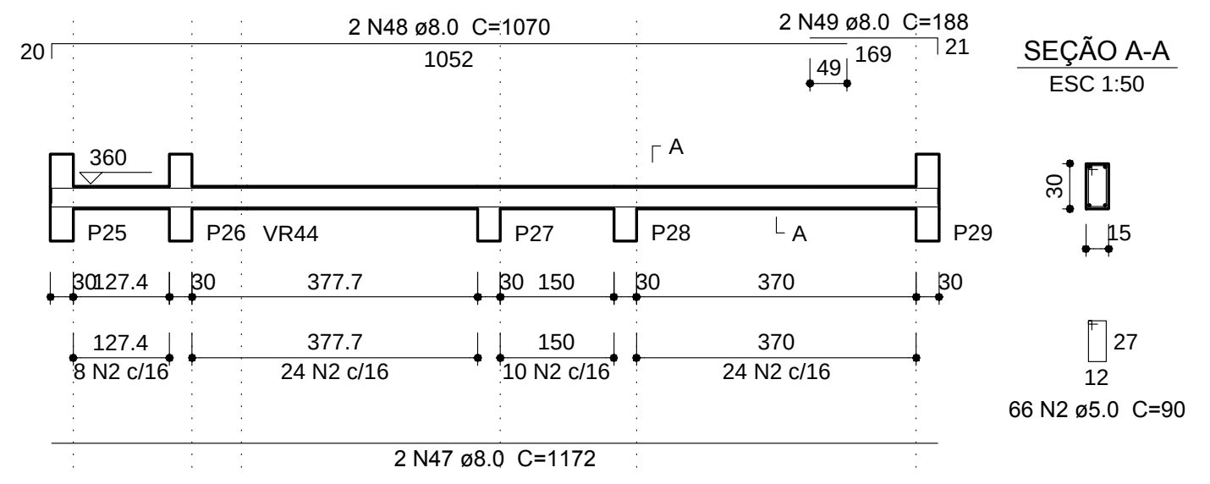
VR8
ESC 1:100


2 N42 ø8.0 C=477
28
427
26
A
360
P23
A
P24
30
370
30
370
24 N2 c/16
2 N41 ø8.0 C=427
SEÇÃO A-A
ESC 1:50
30
15
27
12
24 N2 ø5.0 C=90

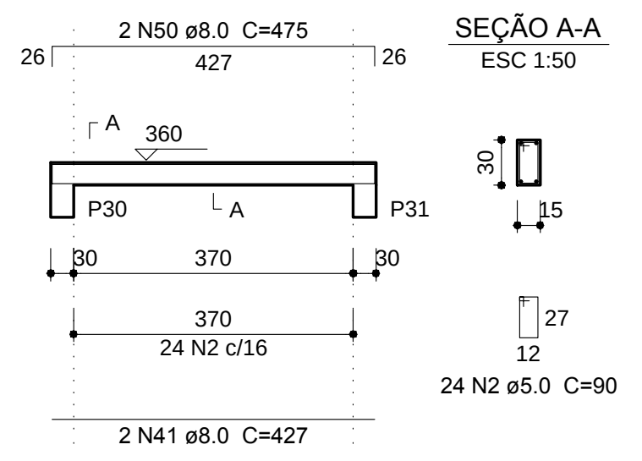
VR7
ESC 1:100


2 N45 ø8.0 C=1087
22
1067
2 N46 ø8.0 C=194
55
175
21
1 N44 ø8.0 C=180
65
360
A
P19
P20
A
P21
P22
30
230
15
460
30
395
30
230
15 N2 c/16
460
29 N2 c/16
395
25 N2 c/16
2 N43 ø8.0 C=1187
SEÇÃO A-A
ESC 1:50
30
15
27
12
69 N2 ø5.0 C=90

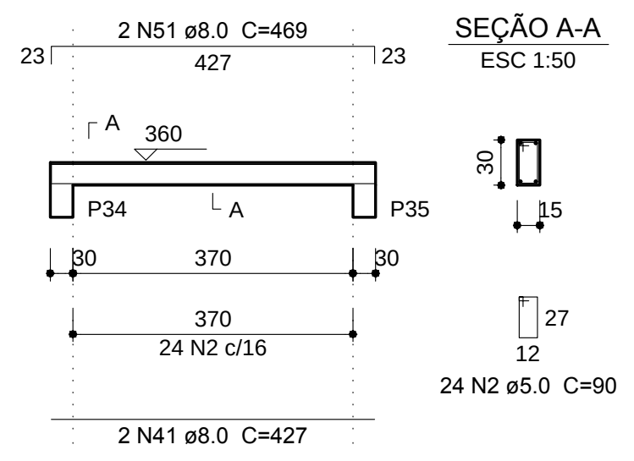
VR9
ESC 1:100


2 N48 ø8.0 C=1070
20
1052
2 N49 ø8.0 C=188
49
169
21
360
A
P25
P26
VR44
P27
P28
A
P29
30
127.4
30
377.7
30
150
30
370
30
127.4
8 N2 c/16
377.7
24 N2 c/16
150
10 N2 c/16
370
24 N2 c/16
2 N47 ø8.0 C=1172
SEÇÃO A-A
ESC 1:50
30
15
27
12
66 N2 ø5.0 C=90

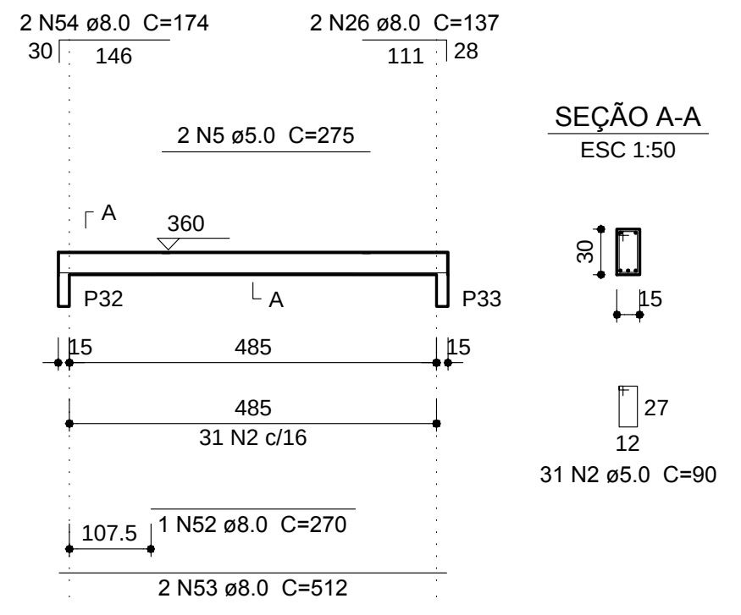
VR10
ESC 1:100


2 N50 ø8.0 C=475
26
427
26
A
360
P30
A
P31
30
370
30
370
24 N2 c/16
2 N41 ø8.0 C=427
SEÇÃO A-A
ESC 1:50
30
15
27
12
24 N2 ø5.0 C=90

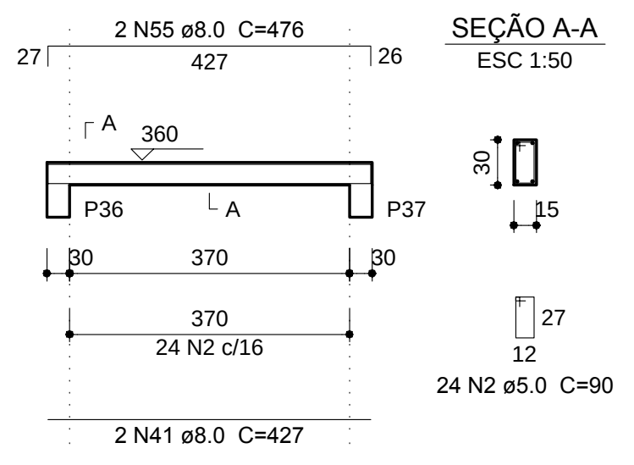
VR11
ESC 1:100


2 N51 ø8.0 C=469
23
427
23
A
360
P34
A
P35
30
370
30
370
24 N2 c/16
2 N41 ø8.0 C=427
SEÇÃO A-A
ESC 1:50
30
15
27
12
24 N2 ø5.0 C=90

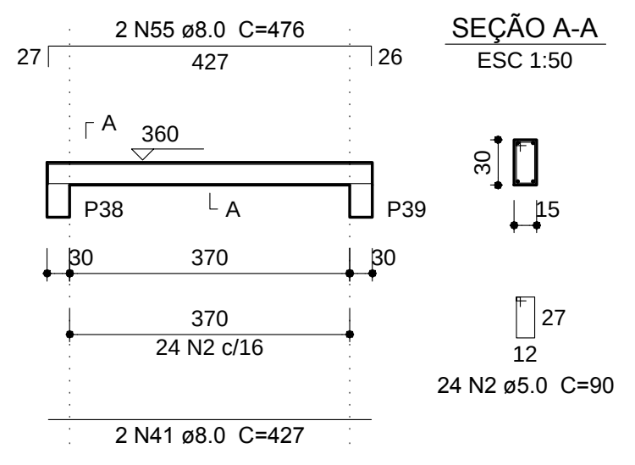
VR12
ESC 1:100


2 N54 ø8.0 C=174
30
146
2 N26 ø8.0 C=137
111
28
2 N5 ø5.0 C=275
A
360
P32
A
P33
15
485
15
485
31 N2 c/16
107.5
1 N52 ø8.0 C=270
2 N53 ø8.0 C=512
SEÇÃO A-A
ESC 1:50
30
15
27
12
31 N2 ø5.0 C=90

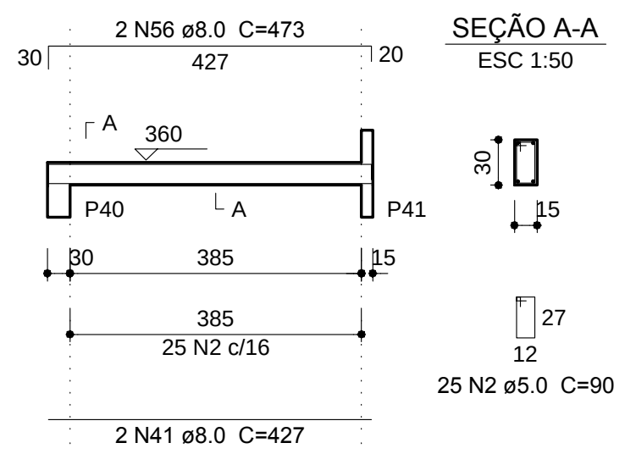
VR13
ESC 1:100


2 N55 ø8.0 C=476
27
427
26
A
360
P36
A
P37
30
370
30
370
24 N2 c/16
2 N41 ø8.0 C=427
SEÇÃO A-A
ESC 1:50
30
15
27
12
24 N2 ø5.0 C=90

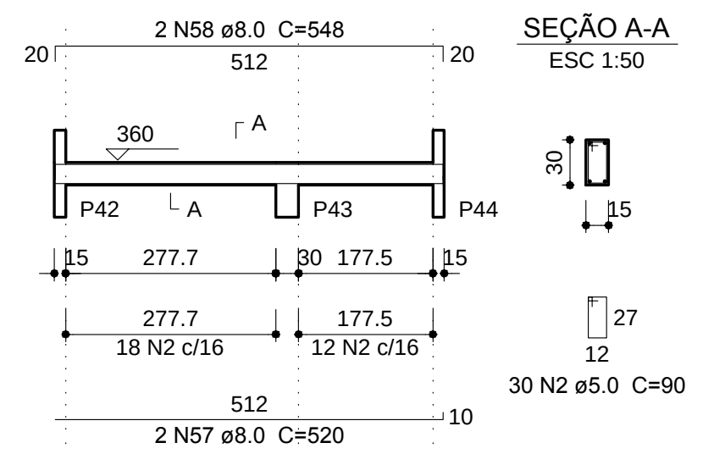
VR14
ESC 1:100


2 N55 ø8.0 C=476
27
427
26
A
360
P38
A
P39
30
370
30
370
24 N2 c/16
2 N41 ø8.0 C=427
SEÇÃO A-A
ESC 1:50
30
15
27
12
24 N2 ø5.0 C=90

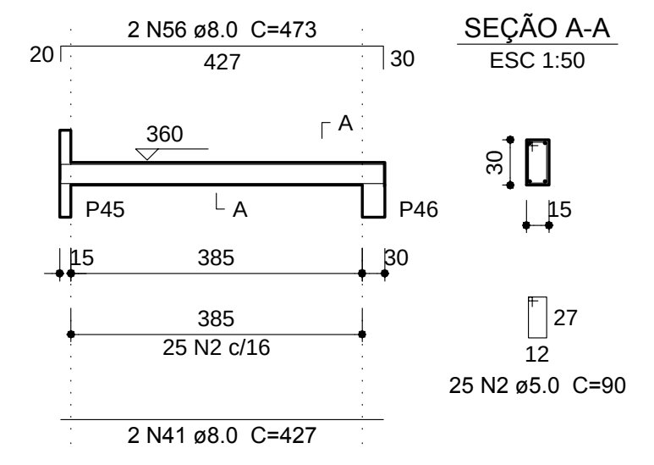
VR15
ESC 1:100


2 N56 ø8.0 C=473
30
427
20
A
360
P40
A
P41
30
385
15
385
25 N2 c/16
2 N41 ø8.0 C=427
SEÇÃO A-A
ESC 1:50
30
15
27
12
25 N2 ø5.0 C=90

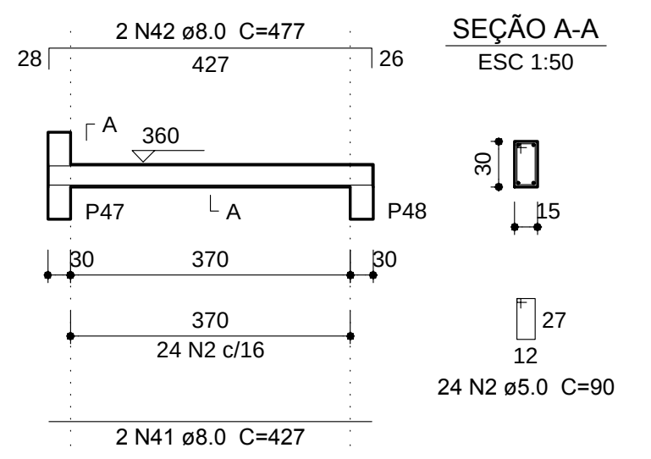
VR16
ESC 1:100


2 N58 ø8.0 C=548
20
512
20
360
A
P42
A
P43
P44
15
277.7
30
177.5
15
277.7
18 N2 c/16
177.5
12 N2 c/16
512
2 N57 ø8.0 C=520
10
SEÇÃO A-A
ESC 1:50
30
15
27
12
30 N2 ø5.0 C=90

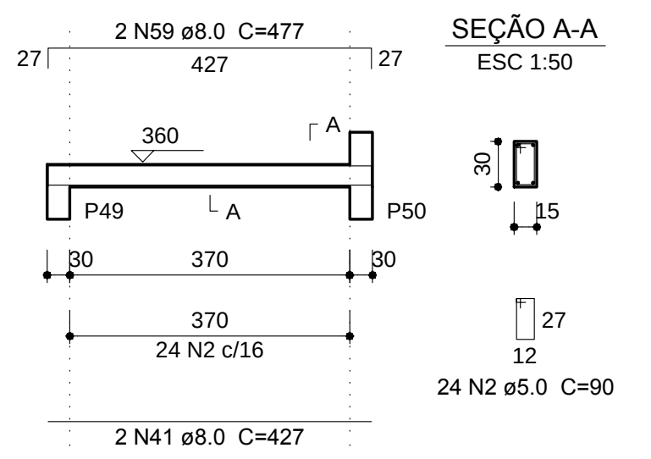
VR17
ESC 1:100


2 N56 ø8.0 C=473
20
427
30
360
A
P45
A
P46
15
385
30
385
25 N2 c/16
2 N41 ø8.0 C=427
SEÇÃO A-A
ESC 1:50
30
15
27
12
25 N2 ø5.0 C=90

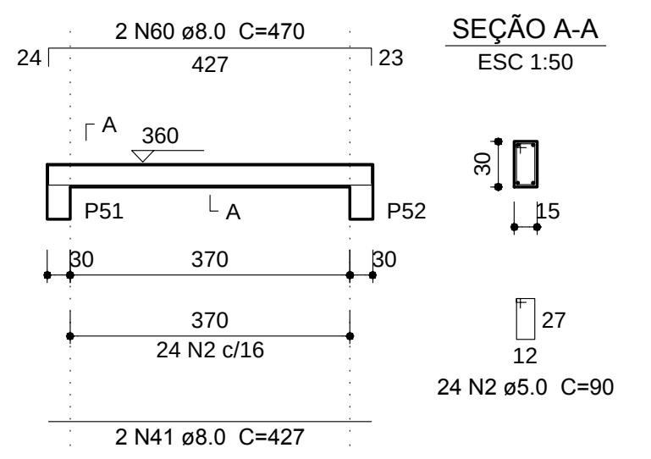
VR18
ESC 1:100


2 N42 ø8.0 C=477
28
427
26
A
360
P47
A
P48
30
370
30
370
24 N2 c/16
2 N41 ø8.0 C=427
SEÇÃO A-A
ESC 1:50
30
15
27
12
24 N2 ø5.0 C=90

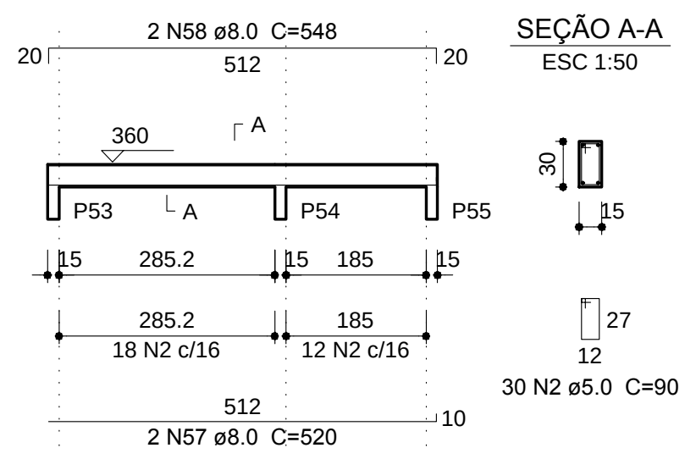
VR19
ESC 1:100


2 N59 ø8.0 C=477
27
427
27
360
A
P49
A
P50
30
370
30
370
24 N2 c/16
2 N41 ø8.0 C=427
SEÇÃO A-A
ESC 1:50
30
15
27
12
24 N2 ø5.0 C=90

VR20
ESC 1:100


2 N60 ø8.0 C=470
24
427
23
A
360
P51
A
P52
30
370
30
370
24 N2 c/16
2 N41 ø8.0 C=427
SEÇÃO A-A
ESC 1:50
30
15
27
12
24 N2 ø5.0 C=90

VR21
ESC 1:100


2 N58 ø8.0 C=548
20
512
20
360
A
P53
A
P54
P55
15
285.2
15
185
15
285.2
18 N2 c/16
185
12 N2 c/16
512
2 N57 ø8.0 C=520
10
SEÇÃO A-A
ESC 1:50
30
15
27
12
30 N2 ø5.0 C=90

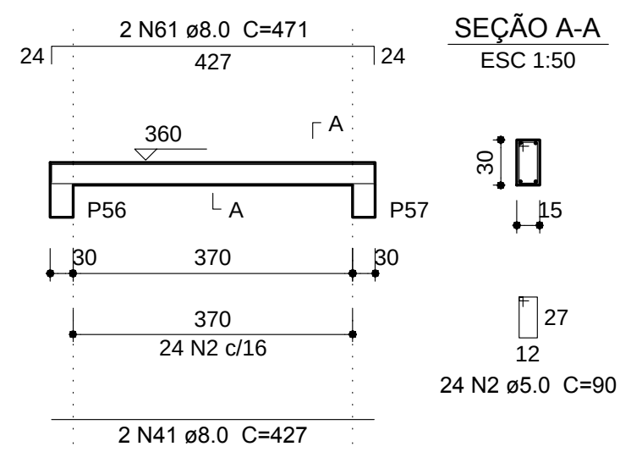
Resumo do aço Respaldo

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	1.7	0.4
	8.0	1553.7	674.4
	10.0	67.5	45.8
	12.5	6.7	7
	16.0	36.2	62.8
CA60	5.0	2124.6	360.2

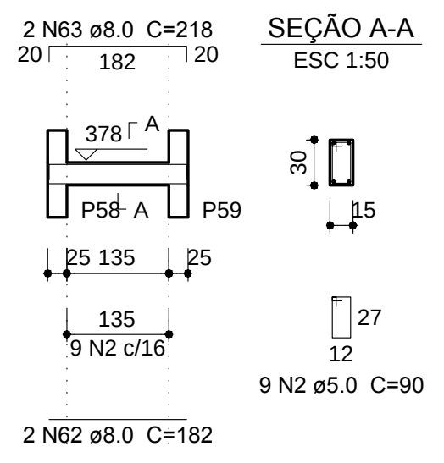
PESO TOTAL (kg)	
CA50	790.4
CA60	360.2

Volume de concreto (C-25) = 17.82 m³
Área de forma = 296.78 m²

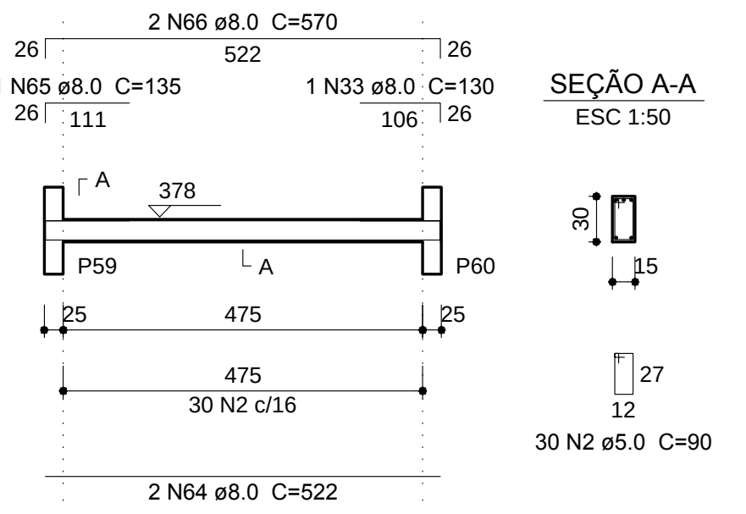
VR22
ESC 1:100


2 N61 ø8.0 C=471
24
427
24
360
A
P56
A
P57
30
370
30
370
24 N2 c/16
2 N41 ø8.0 C=427
SEÇÃO A-A
ESC 1:50
30
15
27
12
24 N2 ø5.0 C=90

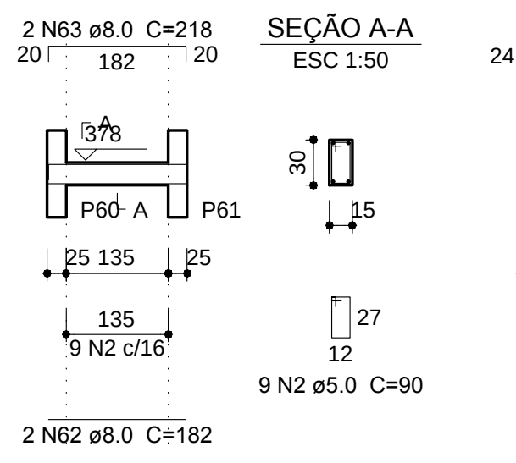
VR23
ESC 1:100


2 N63 ø8.0 C=218
20
182
20
378
A
P58
A
P59
25
135
25
135
9 N2 c/16
2 N62 ø8.0 C=182
SEÇÃO A-A
ESC 1:50
30
15
27
12
9 N2 ø5.0 C=90

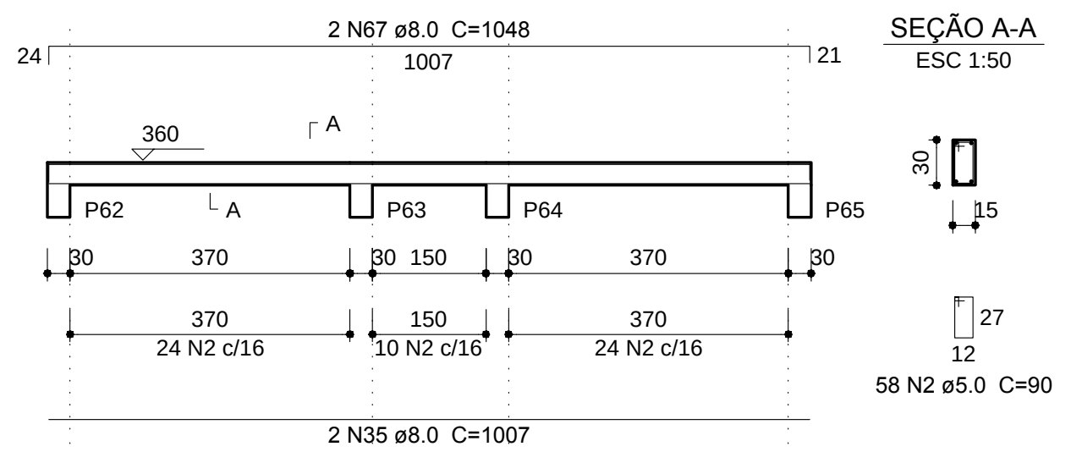
VR24
ESC 1:100


2 N66 ø8.0 C=570
26
522
26
1 N65 ø8.0 C=135
26
111
1 N33 ø8.0 C=130
106
26
A
378
P59
A
P60
25
475
25
475
30 N2 c/16
2 N64 ø8.0 C=522
SEÇÃO A-A
ESC 1:50
30
15
27
12
30 N2 ø5.0 C=90

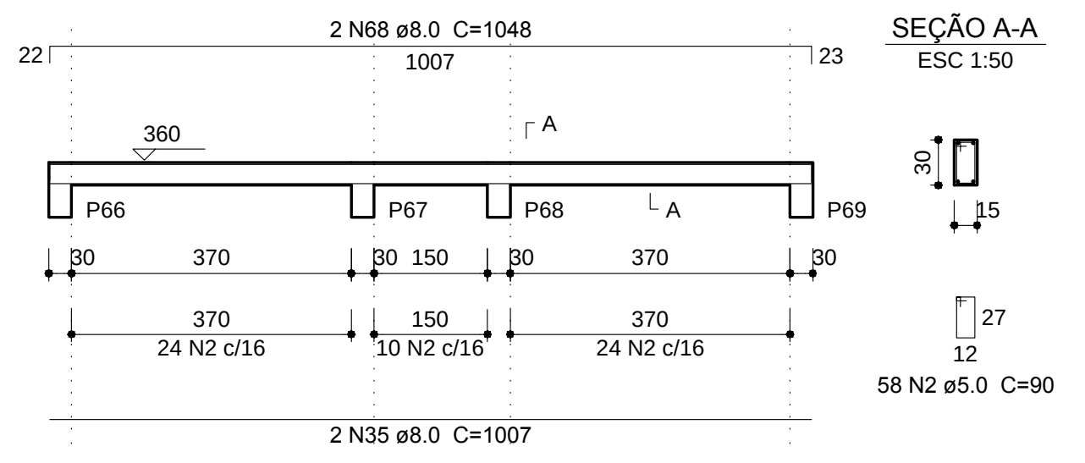
VR25
ESC 1:100


2 N63 ø8.0 C=218
20
182
20
378
A
P60
A
P61
25
135
25
135
9 N2 c/16
2 N62 ø8.0 C=182
SEÇÃO A-A
ESC 1:50
30
15
27
12
9 N2 ø5.0 C=90

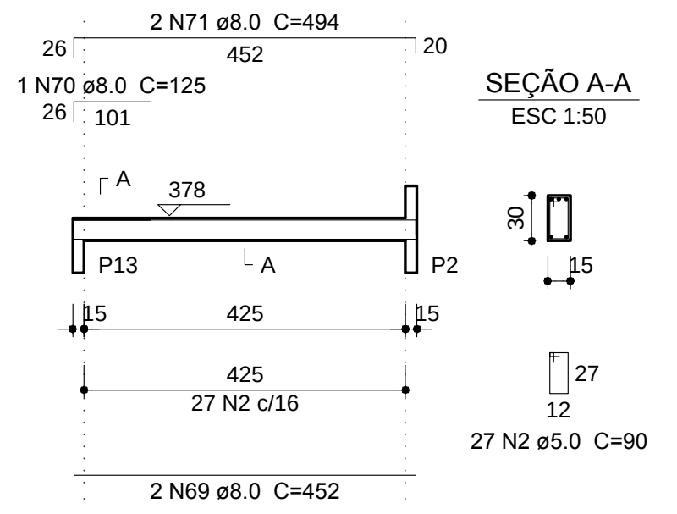
VR26
ESC 1:100


2 N67 ø8.0 C=1048
24
1007
21
360
A
P62
A
P63
P64
P65
30
370
30
150
30
370
30
370
24 N2 c/16
150
10 N2 c/16
370
24 N2 c/16
2 N35 ø8.0 C=1007
SEÇÃO A-A
ESC 1:50
30
15
27
12
58 N2 ø5.0 C=90

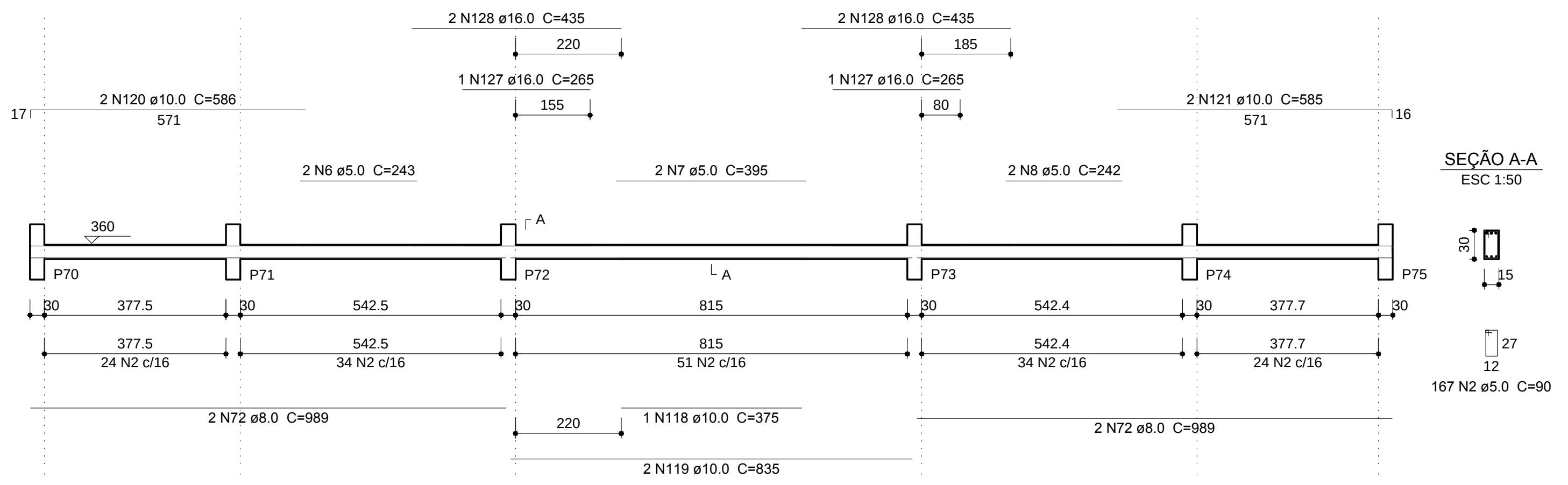
VR27
ESC 1:100


2 N68 ø8.0 C=1048
22
1007
23
360
A
P66
P67
P68
A
P69
30
370
30
150
30
370
30
370
24 N2 c/16
150
10 N2 c/16
370
24 N2 c/16
2 N35 ø8.0 C=1007
SEÇÃO A-A
ESC 1:50
30
15
27
12
58 N2 ø5.0 C=90

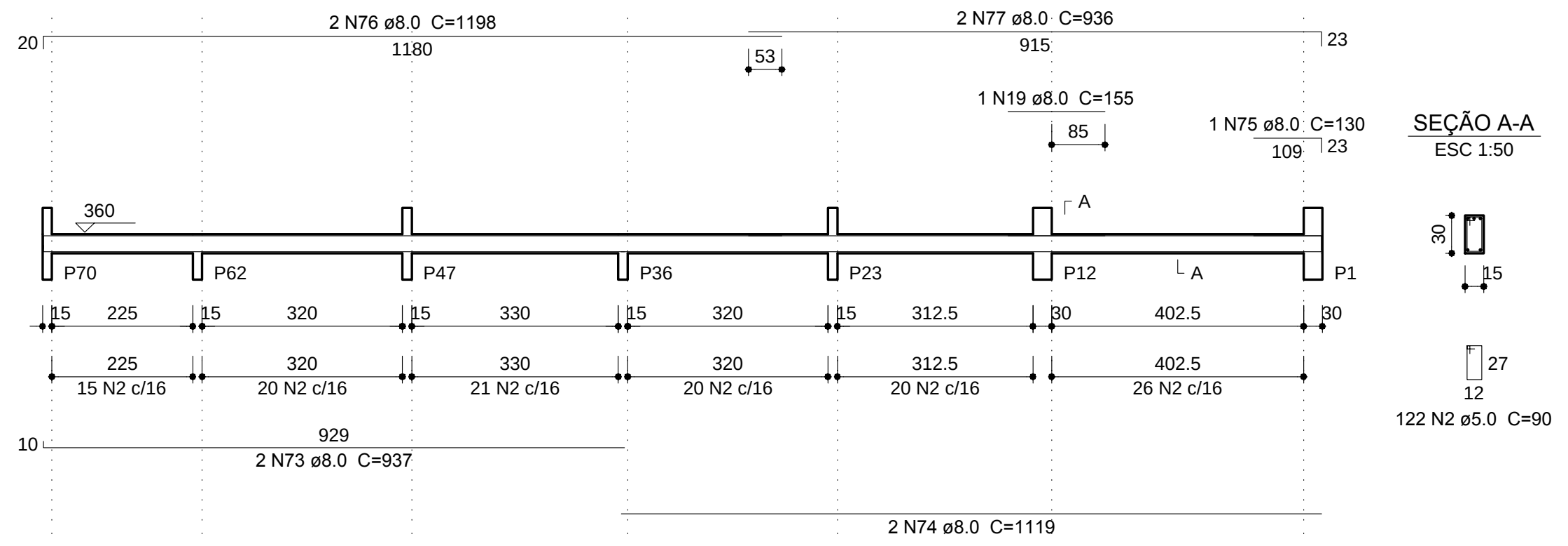
VR31
ESC 1:100


2 N71 ø8.0 C=494
26
452
20
1 N70 ø8.0 C=125
26
101
A
378
P13
A
P2
15
425
15
425
27 N2 c/16
2 N69 ø8.0 C=452
SEÇÃO A-A
ESC 1:50
30
15
27
12
27 N2 ø5.0 C=90

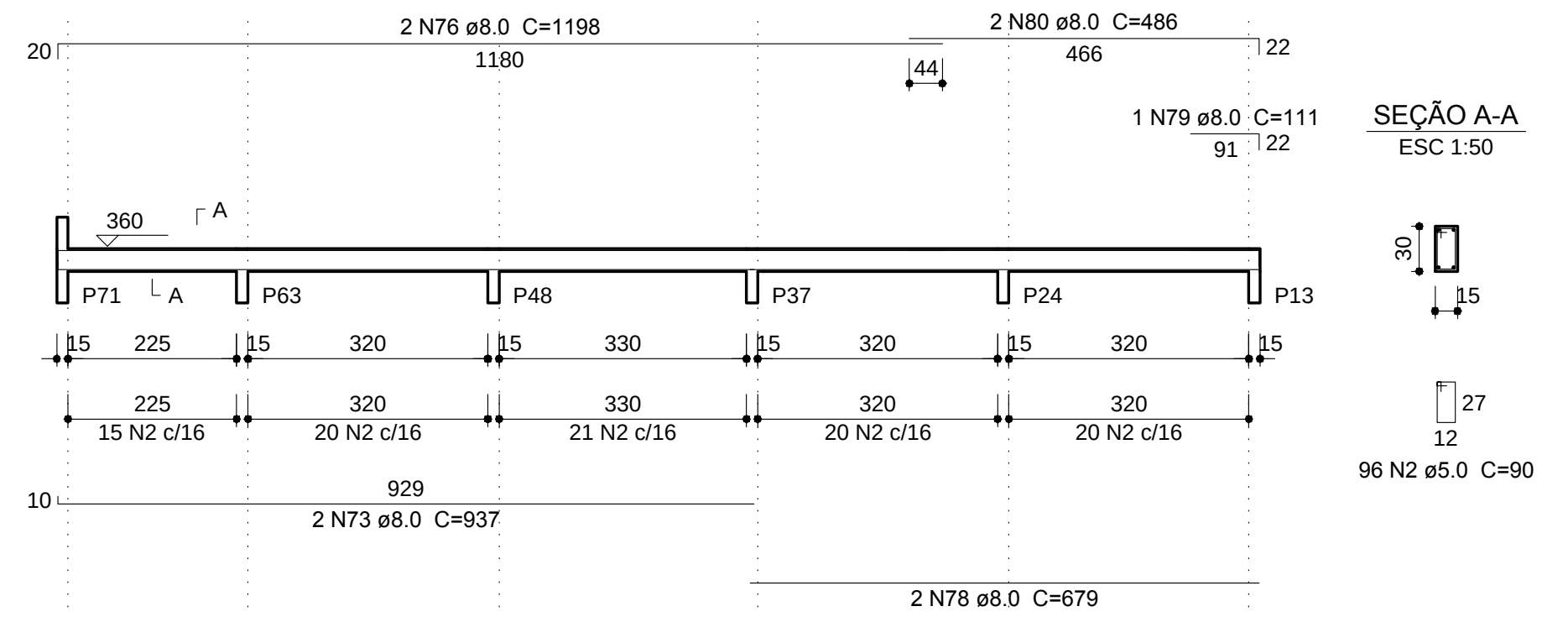
VR28
ESC 1:100


2 N128 ø16.0 C=435
220
2 N128 ø16.0 C=435
185
1 N127 ø16.0 C=265
155
1 N127 ø16.0 C=265
80
2 N120 ø10.0 C=586
17
571
2 N121 ø10.0 C=585
571
16
2 N6 ø5.0 C=243
2 N7 ø5.0 C=395
2 N8 ø5.0 C=242
360
A
P70
P71
P72
A
P73
P74
P75
30
377.5
30
542.5
30
815
30
542.4
30
377.7
30
377.5
24 N2 c/16
542.5
34 N2 c/16
815
51 N2 c/16
542.4
34 N2 c/16
377.7
24 N2 c/16
2 N72 ø8.0 C=989
220
1 N118 ø10.0 C=375
2 N119 ø10.0 C=835
2 N72 ø8.0 C=989
SEÇÃO A-A
ESC 1:50
30
15
27
12
167 N2 ø5.0 C=90

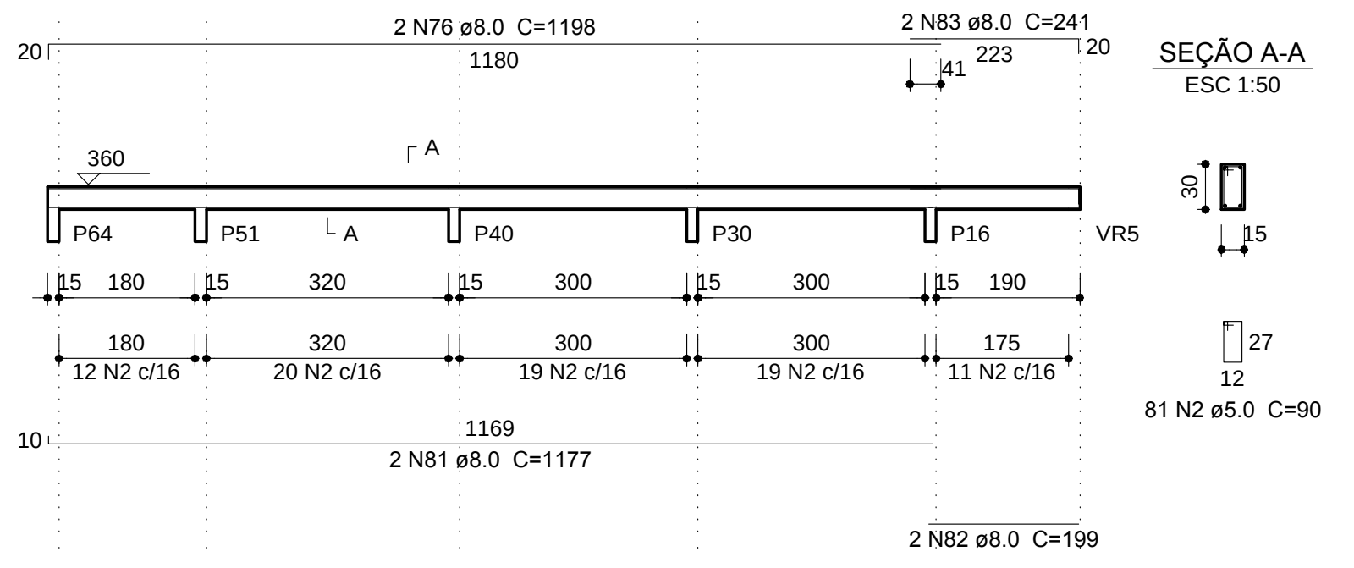
VR29
ESC 1:100


2 N76 ø8.0 C=1198
20
1180
53
2 N77 ø8.0 C=936
915
23
1 N19 ø8.0 C=155
85
1 N75 ø8.0 C=130
109
23
360
A
P70
P62
P47
P36
P23
P12
A
P1
15
225
15
320
15
330
15
320
15
312.5
30
402.5
30
225
15 N2 c/16
320
20 N2 c/16
330
21 N2 c/16
320
20 N2 c/16
312.5
20 N2 c/16
402.5
26 N2 c/16
10
929
2 N73 ø8.0 C=937
2 N74 ø8.0 C=1119
SEÇÃO A-A
ESC 1:50
30
15
27
12
122 N2 ø5.0 C=90

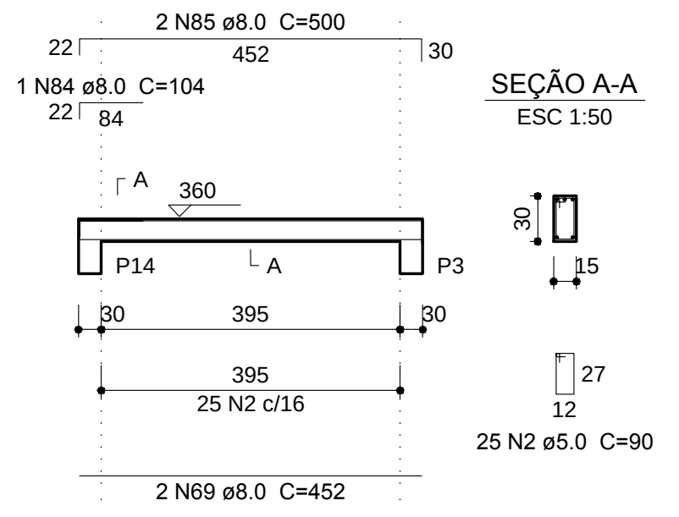
VR30
ESC 1:100


2 N76 ø8.0 C=1198
20
1180
44
2 N80 ø8.0 C=486
466
22
1 N79 ø8.0 C=111
91
22
360
A
P71
A
P63
P48
P37
P24
P13
15
225
15
320
15
330
15
320
15
320
15
225
15 N2 c/16
320
20 N2 c/16
330
21 N2 c/16
320
20 N2 c/16
320
20 N2 c/16
10
929
2 N73 ø8.0 C=937
2 N78 ø8.0 C=679
SEÇÃO A-A
ESC 1:50
30
15
27
12
96 N2 ø5.0 C=90

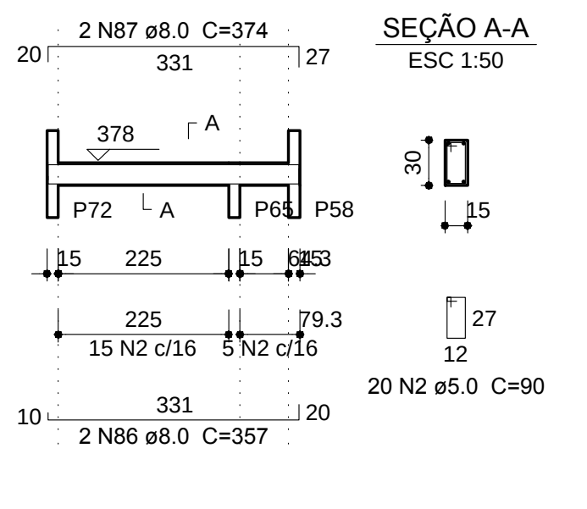
VR32
ESC 1:100


2 N76 ø8.0 C=1198
20
1180
2 N83 ø8.0 C=241
41
223
20
360
A
P64
P51
A
P40
P30
P16
VR5
15
180
15
320
15
300
15
300
15
190
180
12 N2 c/16
320
20 N2 c/16
300
19 N2 c/16
300
19 N2 c/16
175
11 N2 c/16
10
1169
2 N81 ø8.0 C=1177
2 N82 ø8.0 C=199
SEÇÃO A-A
ESC 1:50
30
15
27
12
81 N2 ø5.0 C=90

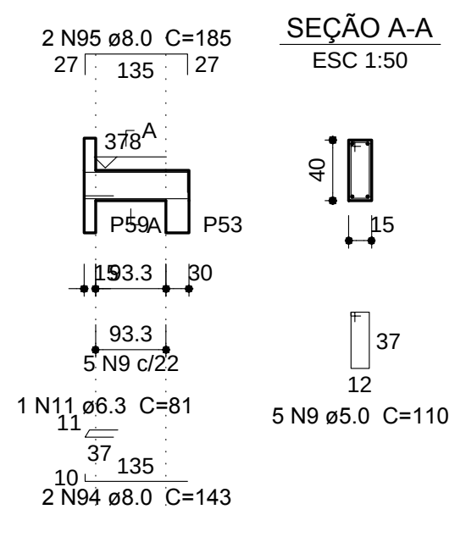
VR33
ESC 1:100


2 N85 ø8.0 C=500
22
452
30
1 N84 ø8.0 C=104
22
84
A
360
P14
A
P3
30
395
30
395
25 N2 c/16
2 N69 ø8.0 C=452
SEÇÃO A-A
ESC 1:50
30
15
27
12
25 N2 ø5.0 C=90

VR34
ESC 1:100


2 N87 ø8.0 C=374
20
331
27
378
A
P72
A
P65
P58
15
225
15
65
53
225
15 N2 c/16
79.3
5 N2 c/16
10
331
20
2 N86 ø8.0 C=357
SEÇÃO A-A
ESC 1:50
30
15
27
12
20 N2 ø5.0 C=90

VR36
ESC 1:100


2 N95 ø8.0 C=185
27
135
27
378
A
P59
A
P53
15
93.3
30
93.3
5 N9 c/22
1 N11 ø6.3 C=81
11
37
10
135
2 N94 ø8.0 C=143
SEÇÃO A-A
ESC 1:50
40
15
37
12
5 N9 ø5.0 C=110

TITULO

PROJETO ESTRUTURAL

CREA=

REVISÕES:

AMVAP

ASSOCIAÇÃO DOS MUNICÍPIOS DA MICRORREGIÃO DO VALE DO PARANAÍBA

AV. ANTÔNIO THOMAZ FERREIRA REZENDE, 3180 - TELEFAX (0xx34)3213:233
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E-mail: amvap@amvapmg.org.br - Home Page: www.amvapmg.org.br
CREA - 10.595

PROJETO PARA: PROJETO PARA CONSTRUÇÃO DA SEDE DA PROCURADORIA MUNICIPAL

LOCAL: RUA HERMOGENIO DORAZIO LOTE KL1
ARAGUARI -MG

PROP: PREFEITURA MUNICIPAL DE ARAGUARI - MG

ASSINATURAS:

Proprietário: Prefeitura Municipal de Araguari

Projeto - AMVAP Assoc. Munic. Mic. V. do Paranaiba
Engenheiro Civil: JOICE ROBERTA RIBEIRO
CREA= 104978 / D - MG.

ÁREA= (m²)

TERRENO..1013,32m²
CONSTRUÇÃO...549,98m²
ÁREA PERMEÁVEL 100.56m²

TAXA DE PERMEABILIDADE..................................9.92%
TAXA DE OCUPAÇÃO..57,275%

Processo nº:

ART. nº:

CONTEUDO: DETALHE VIGAS RESPALDO

DatA= NOVEMBRO DE 2019

FolhA= 10/11

EscalA= INDICADA

Desenho: JRR

ARQUITETURA	ESCALA DE PLOTAGEM	CONFIGURAÇÃO DAS PENAS										
		RED	YELLOW	GREEN	CYAN	BLUE	MAGENTA	WHITE	11	08	103	252
JOICE	0.20:1	0.15	0.20	0.25	0.30	0.40	0.60	0.10	0.10	0.05	0.10	0.10