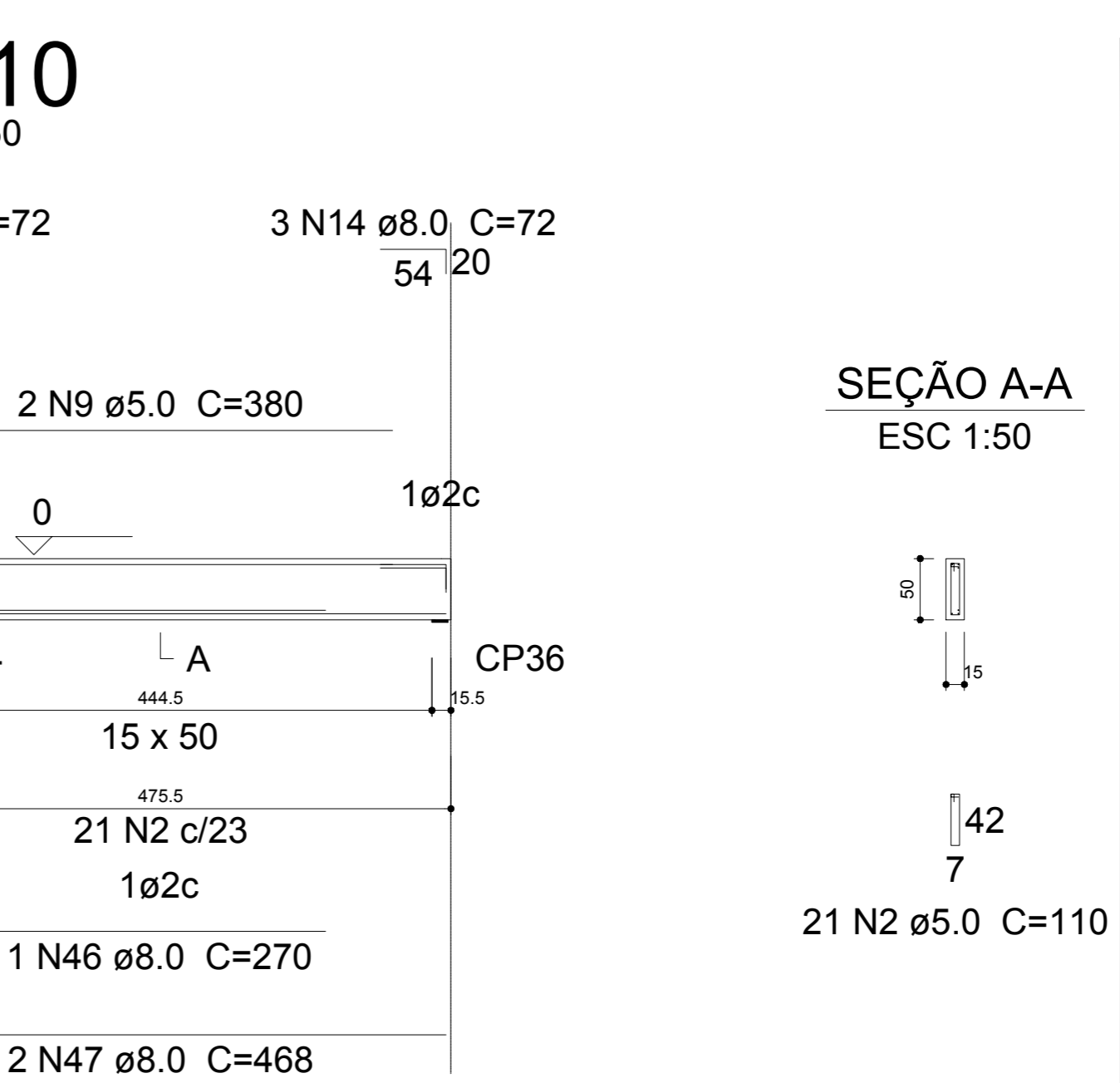
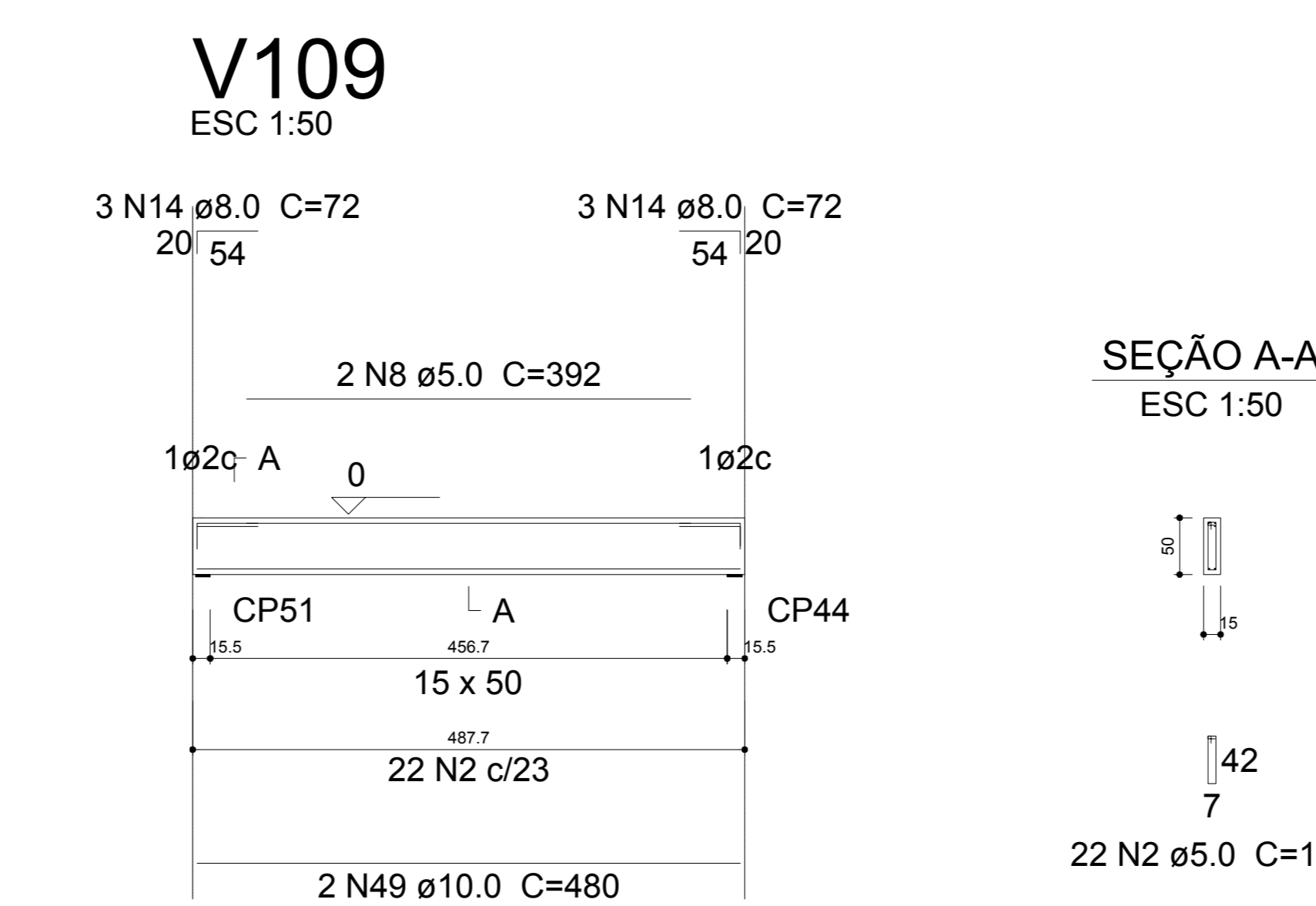
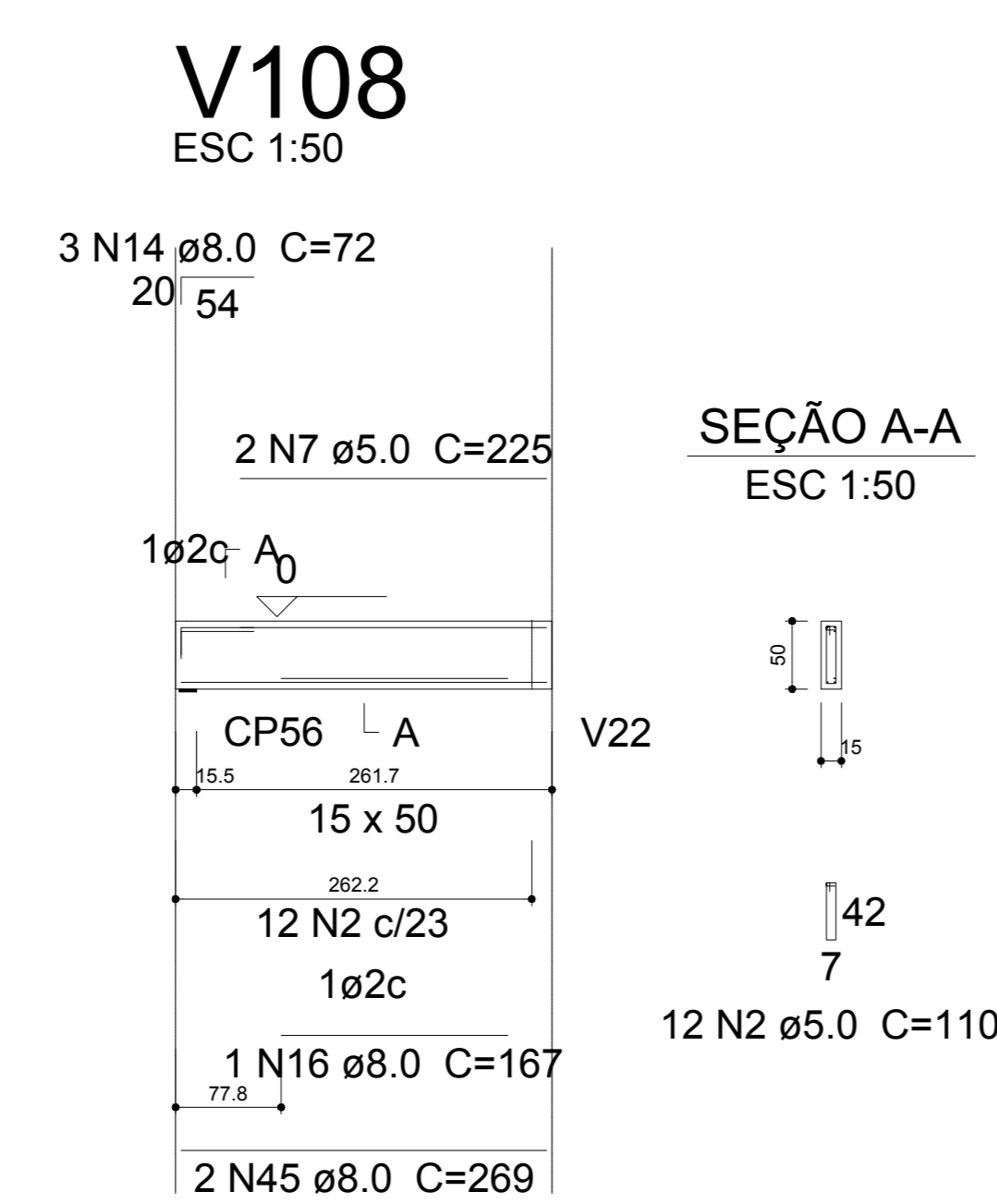
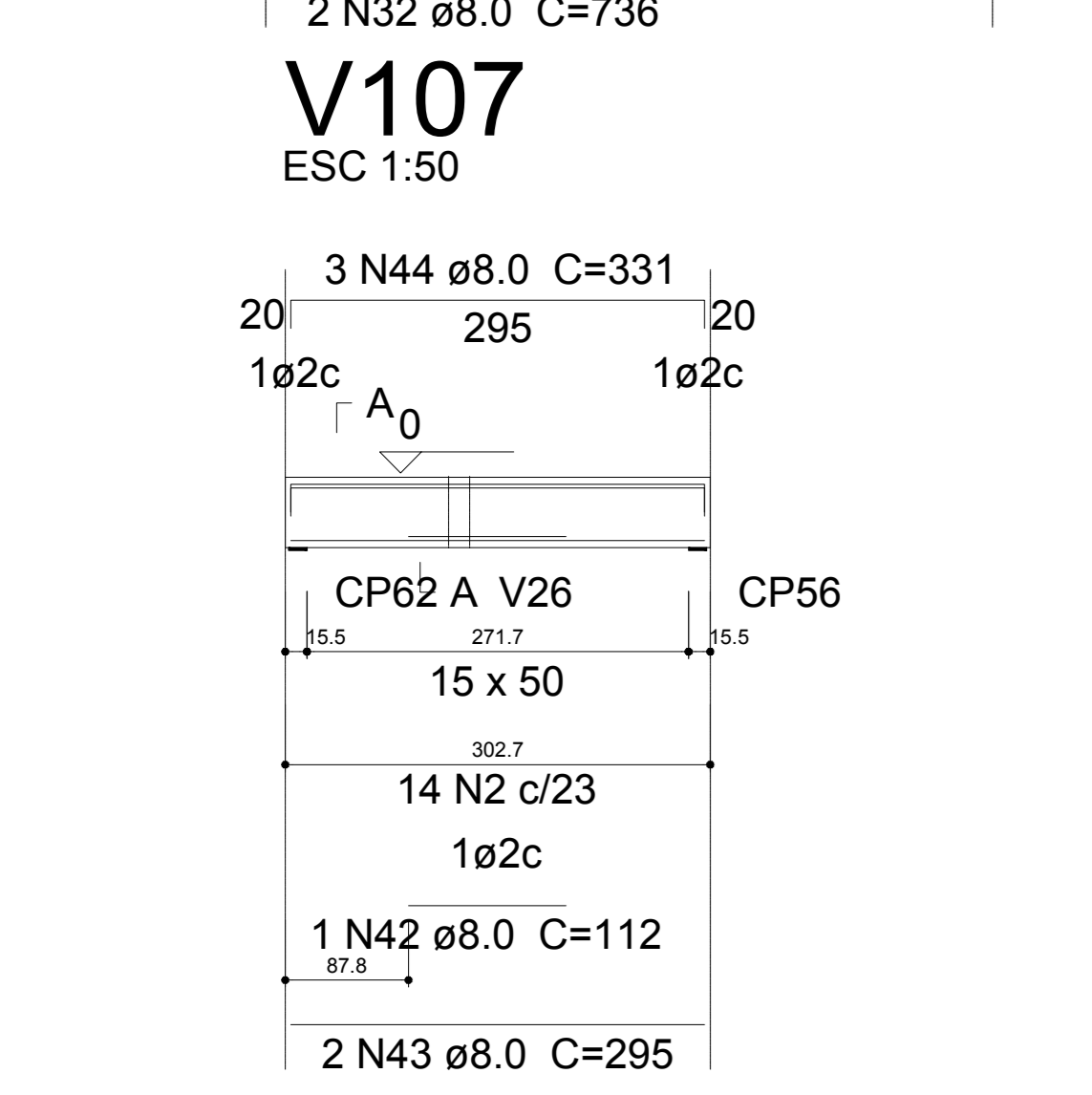
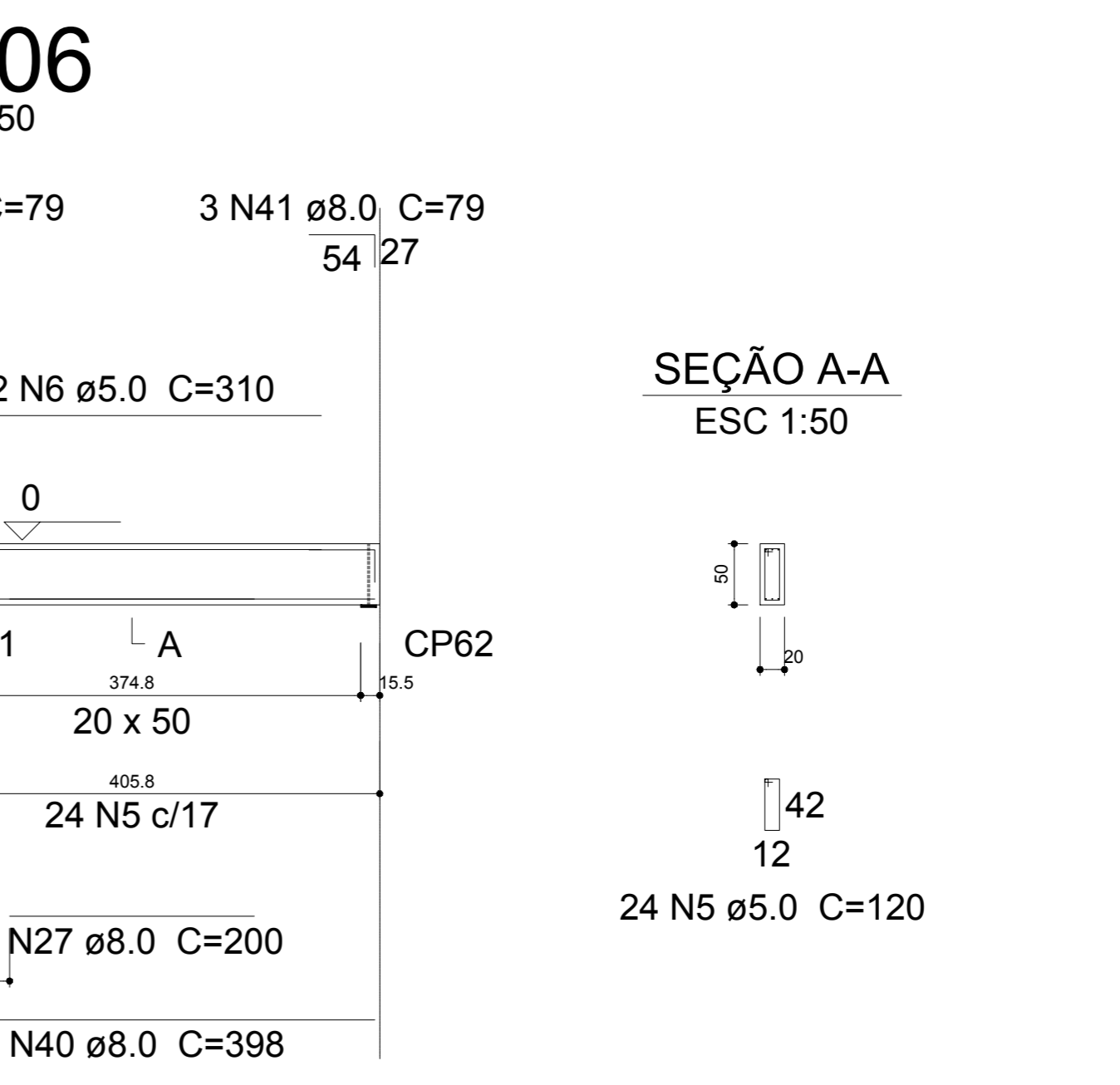
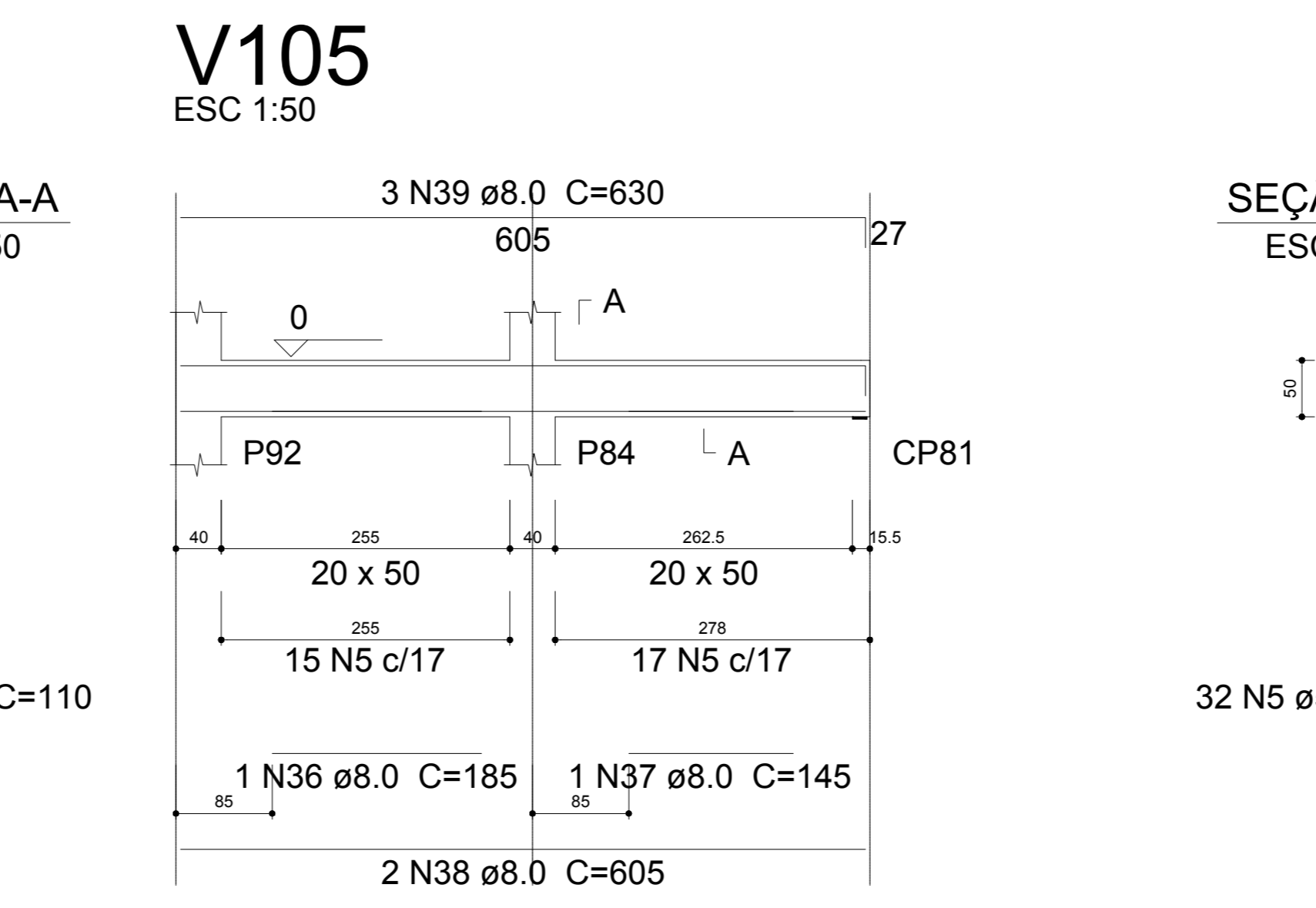
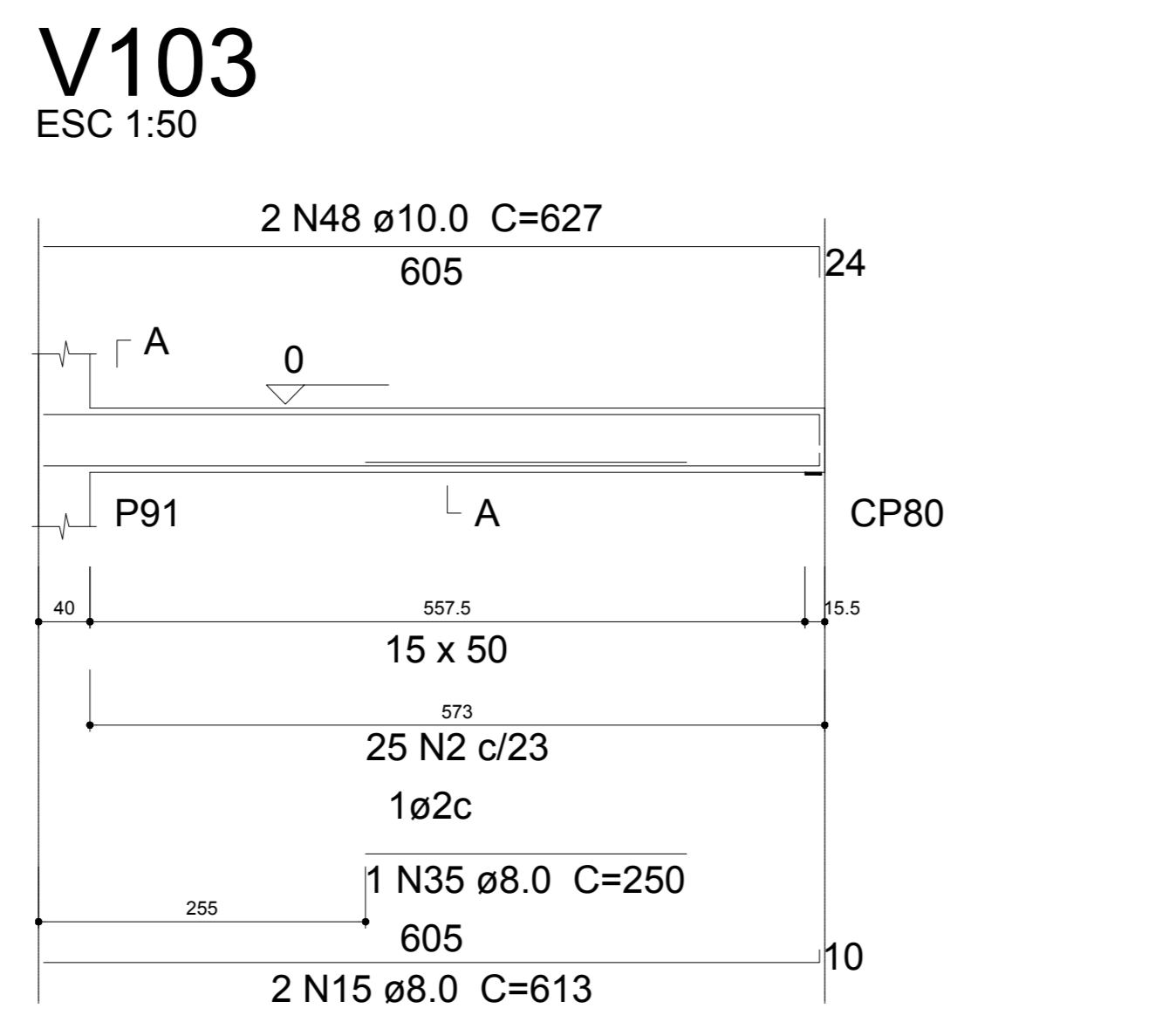
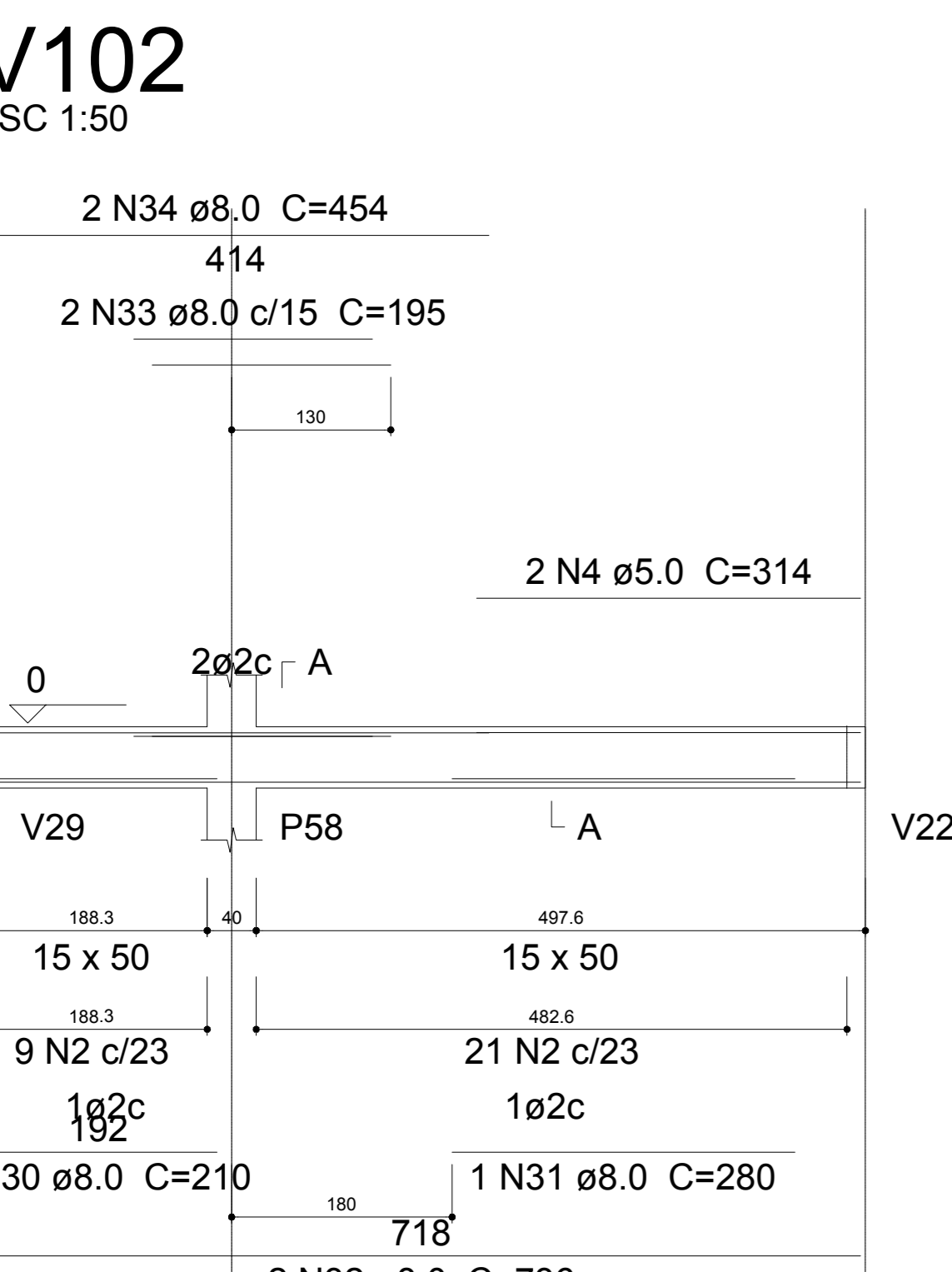
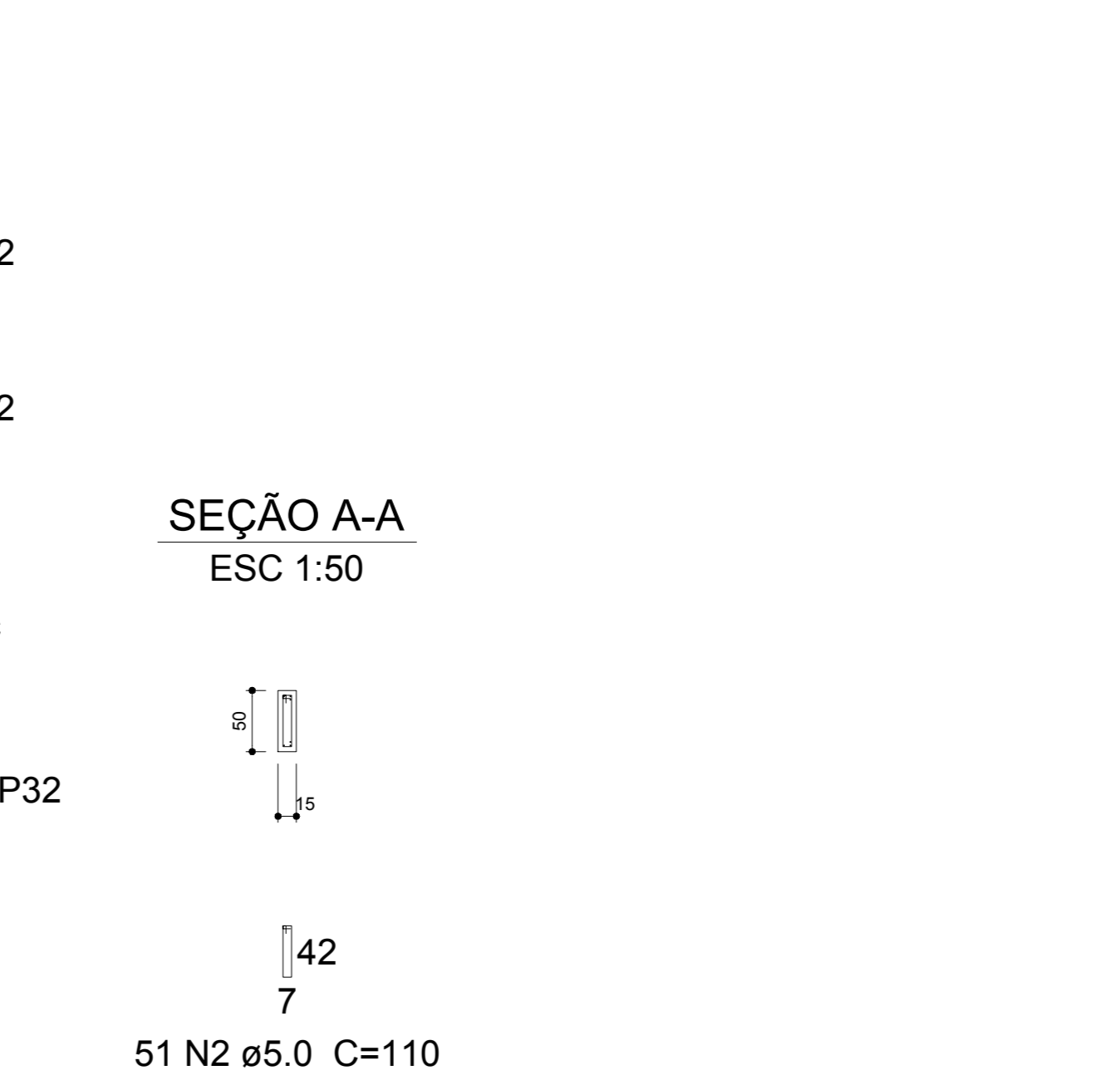
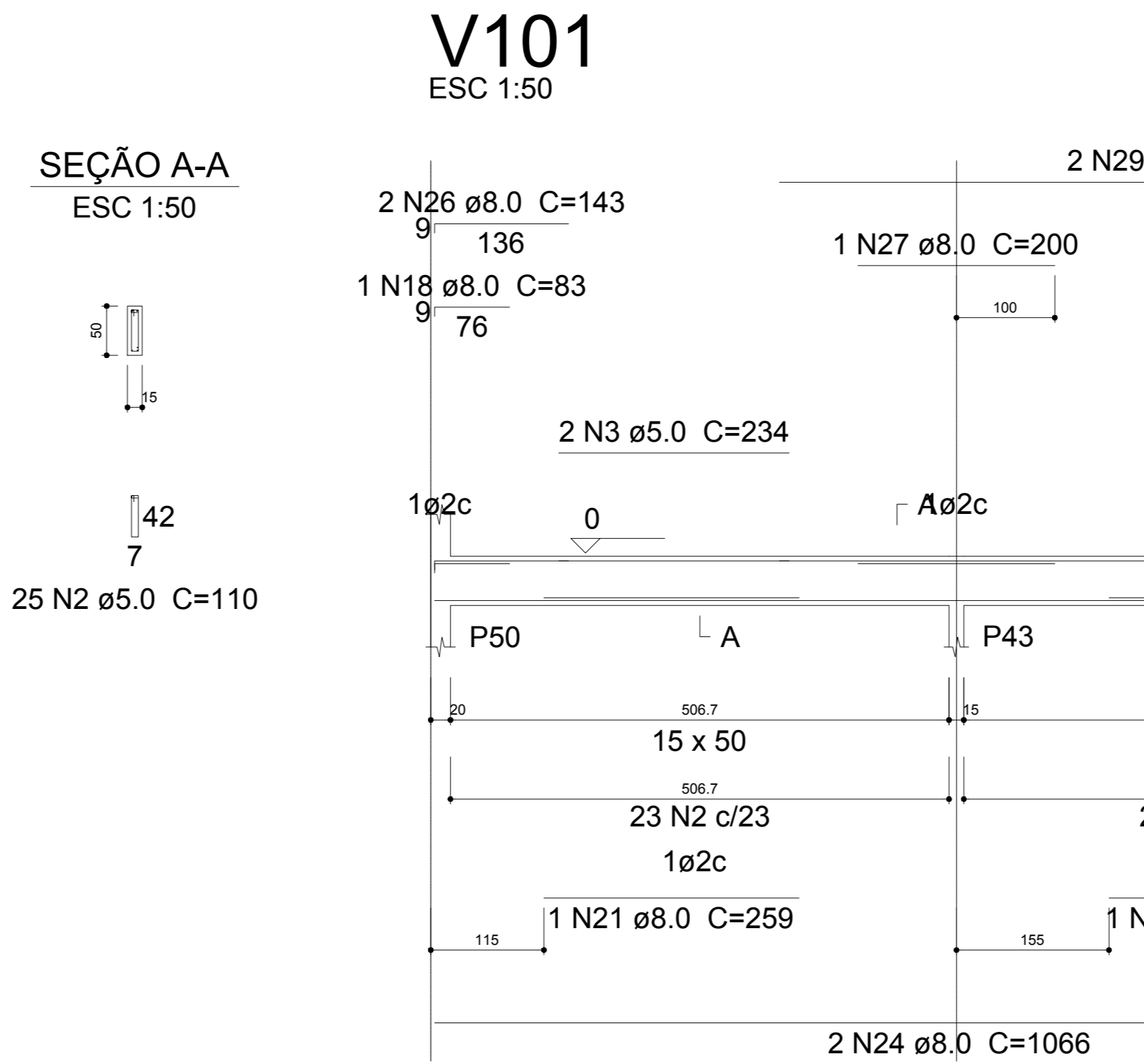
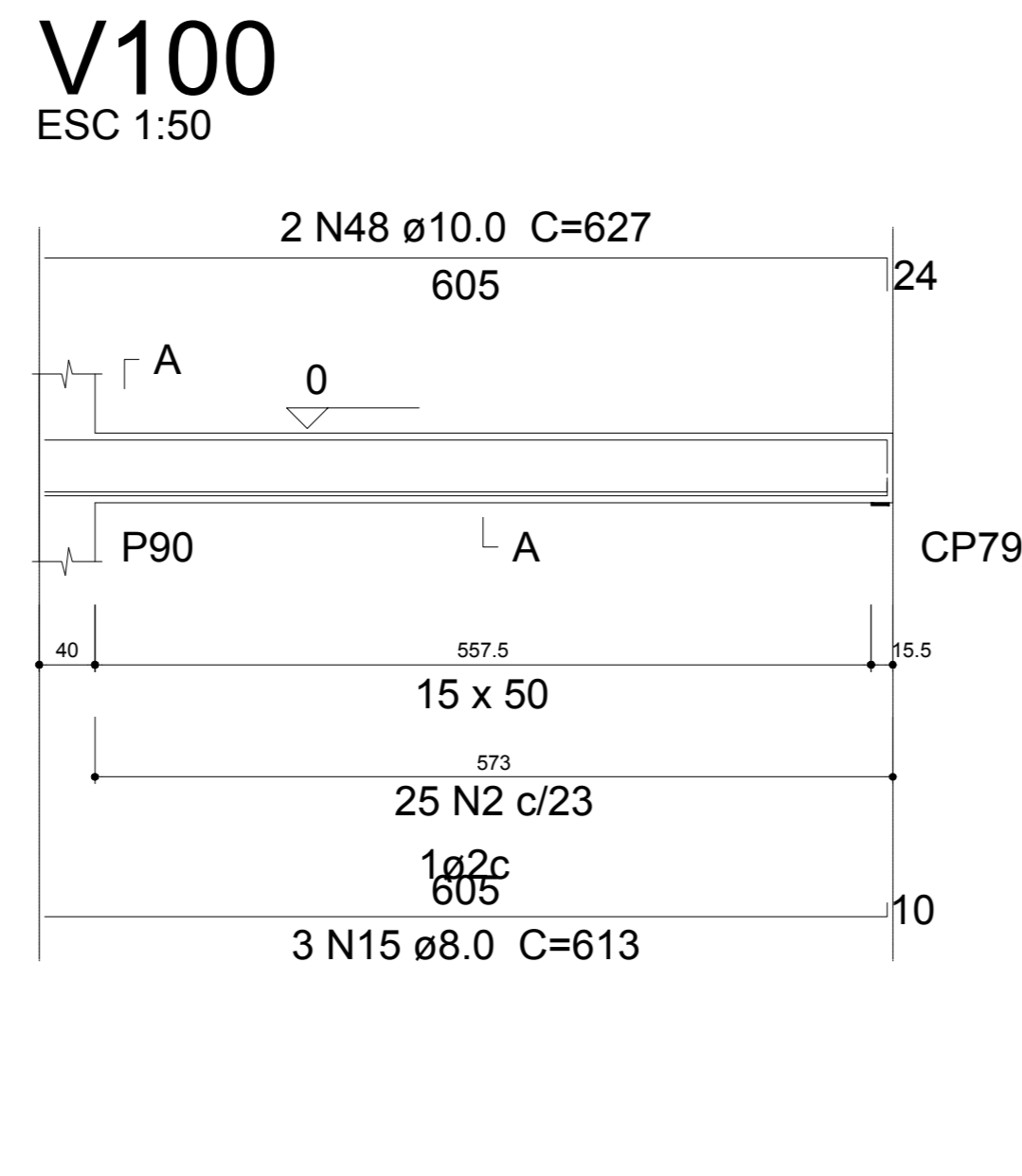
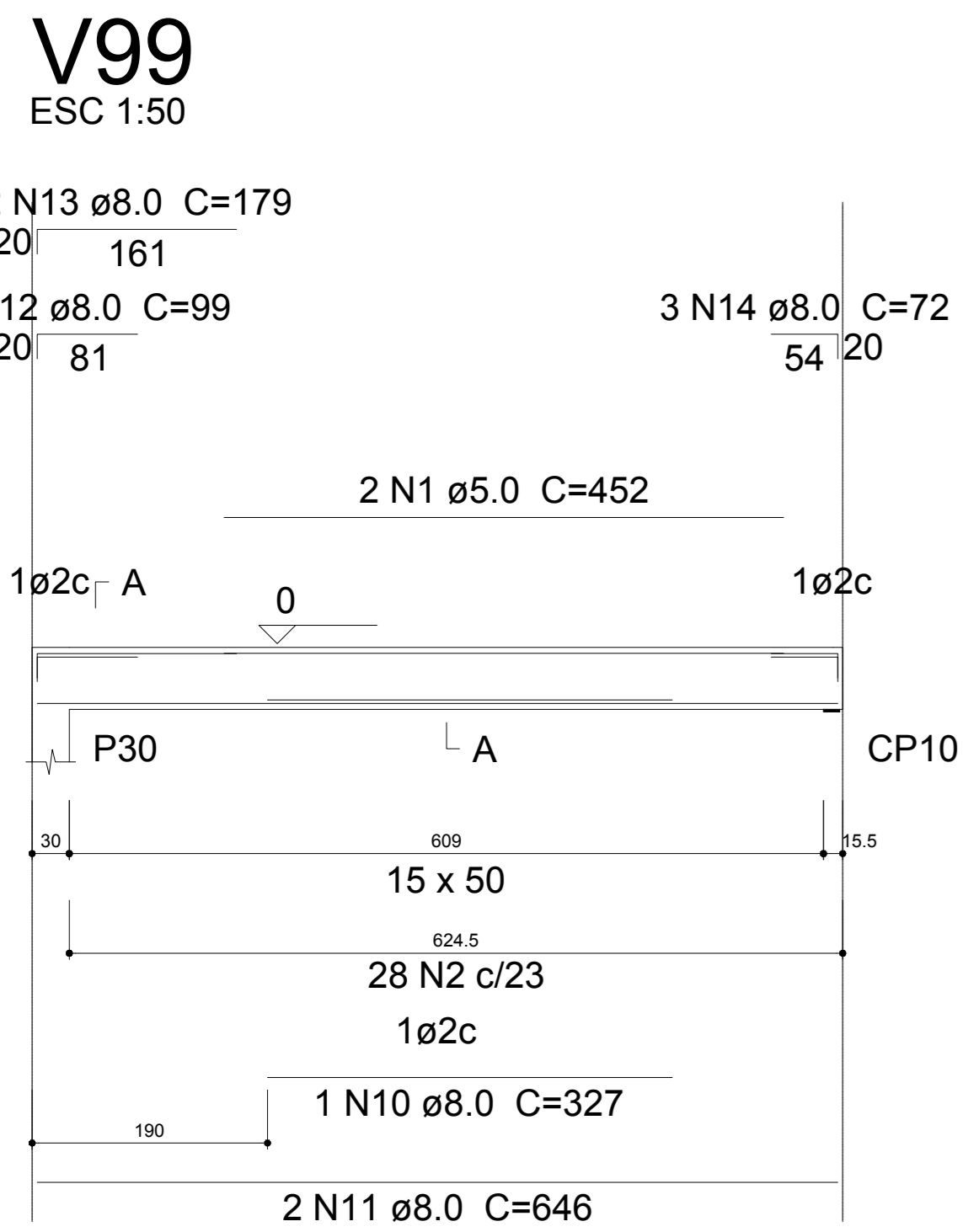


Relação do aço

| AÇO | N | DIAM (mm) | QUANT (Barras) | UNIT (cm) | C.TOTAL (cm) |
|------|----|-----------|----------------|-----------|--------------|
| CA60 | 1 | 5.0 | 6 | 452 | 2712 |
| | 2 | 5.0 | 324 | 110 | 35640 |
| | 3 | 5.0 | 2 | 234 | 468 |
| | 4 | 5.0 | 2 | 314 | 628 |
| | 5 | 5.0 | 56 | 120 | 6720 |
| | 6 | 5.0 | 2 | 310 | 620 |
| | 7 | 5.0 | 2 | 225 | 450 |
| | 8 | 5.0 | 2 | 392 | 784 |
| | 9 | 5.0 | 2 | 380 | 760 |
| CA50 | 10 | 8.0 | 3 | 327 | 981 |
| | 11 | 8.0 | 6 | 646 | 3876 |
| | 12 | 8.0 | 3 | 99 | 297 |
| | 13 | 8.0 | 6 | 179 | 1074 |
| | 14 | 8.0 | 24 | 72 | 1728 |
| | 15 | 8.0 | 8 | 613 | 4904 |
| | 16 | 8.0 | 2 | 167 | 334 |
| | 17 | 8.0 | 2 | 384 | 768 |
| | 18 | 8.0 | 2 | 83 | 166 |
| | 19 | 8.0 | 1 | 81 | 81 |
| | 20 | 8.0 | 2 | 391 | 782 |
| | 21 | 8.0 | 1 | 259 | 259 |
| | 22 | 8.0 | 1 | 245 | 245 |
| | 23 | 8.0 | 1 | 74 | 74 |
| | 24 | 8.0 | 2 | 1066 | 2132 |
| | 25 | 8.0 | 2 | 178 | 356 |
| | 26 | 8.0 | 2 | 143 | 286 |
| | 27 | 8.0 | 2 | 200 | 400 |
| | 28 | 8.0 | 1 | 251 | 251 |
| | 29 | 8.0 | 2 | 875 | 1750 |
| | 30 | 8.0 | 1 | 210 | 210 |
| | 31 | 8.0 | 1 | 280 | 280 |
| | 32 | 8.0 | 2 | 736 | 1472 |
| | 33 | 8.0 | 2 | 195 | 390 |
| | 34 | 8.0 | 2 | 454 | 908 |
| | 35 | 8.0 | 1 | 250 | 250 |
| | 36 | 8.0 | 1 | 185 | 185 |
| | 37 | 8.0 | 1 | 145 | 145 |
| | 38 | 8.0 | 2 | 605 | 1210 |
| | 39 | 8.0 | 3 | 630 | 1890 |
| | 40 | 8.0 | 2 | 398 | 796 |
| | 41 | 8.0 | 6 | 79 | 474 |
| | 42 | 8.0 | 1 | 112 | 112 |
| | 43 | 8.0 | 2 | 295 | 590 |
| | 44 | 8.0 | 3 | 331 | 993 |
| | 45 | 8.0 | 2 | 269 | 538 |
| | 46 | 8.0 | 1 | 270 | 270 |
| | 47 | 8.0 | 2 | 468 | 936 |
| | 48 | 10.0 | 6 | 627 | 3762 |
| | 49 | 10.0 | 2 | 480 | 960 |



Resumo do aço

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 10 % (kg) |
|------------------------|-----------|-------------|------------------|
| CA50 | 8.0 | 324 | 140.6 |
| | 10.0 | 47.3 | 32 |
| CA60 | 5.0 | 487.9 | 82.7 |
| PESO TOTAL (kg) | | | |
| CA50 | | 172.6 | |
| CA60 | | 82.7 | |

Volume de concreto (C-35) = 6.76 m³
Área de forma = 100.27 m²

Rua Primo Tacca, 350, Bairro Tacca - Jansenk. SC
E-mail: engenharia.engeobra@gmail.com - Cel: (49) 9 9976-0228

OBRA: **GINÁSIO SANTA TEREZINHA**

LOCAL: **Rua Achilles Biassotto, s/n, Bairro Guarany - Xaxim - SC**

PROJETO: **PROJETO ESTRUTURAL**

| | | |
|-------------------------------------|------------------|--------------|
| ESPECIFICAÇÕES: - Vigas baldrame | DATA: 07/2021 | DESENHO: T.L |
| ÁREA: 3.544,73 m² | PRANCHA: 11 / 27 | |
| ESCALA: Indicada | | |

Projeto: _____ Proprietário: _____

SAMUEL SPASSATO OUTEIRO
Engº Civil - CREA SC 133319-7

PREFEITURA MUNICIPAL DE XAXIM
CNPJ 82.854.670/0001-30