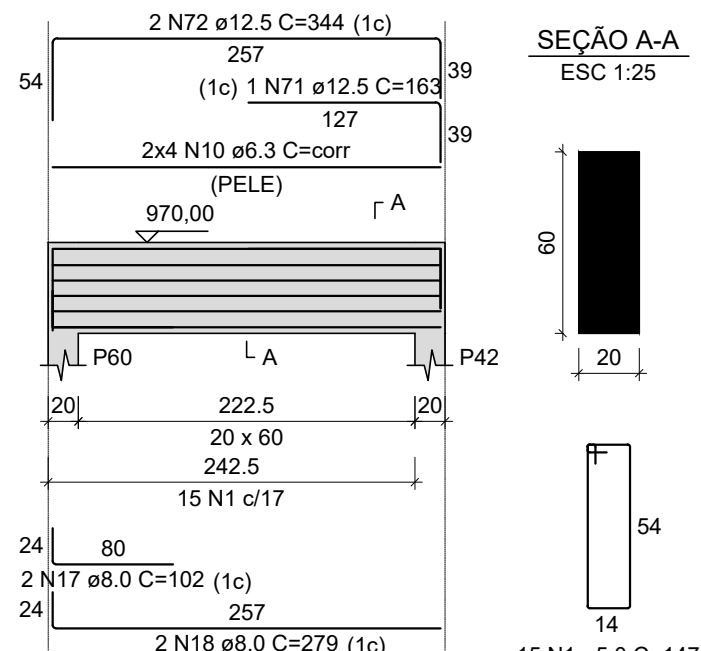


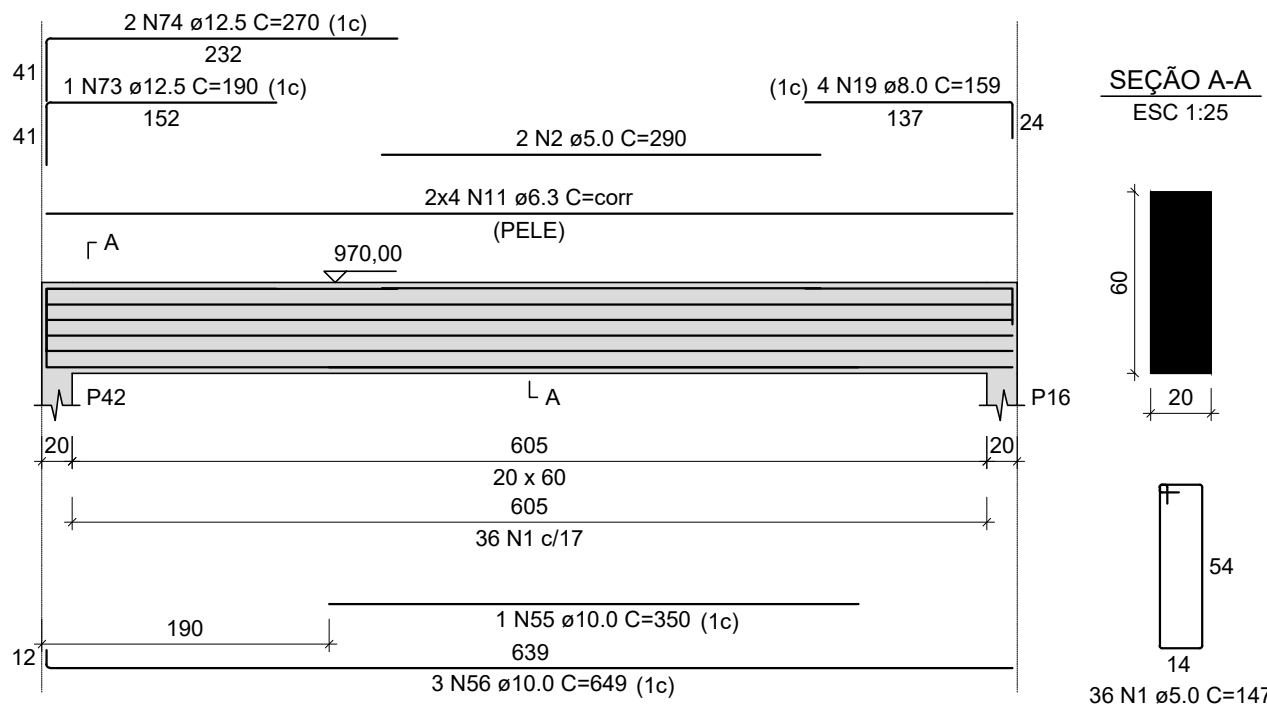
V59

ESC 1:50



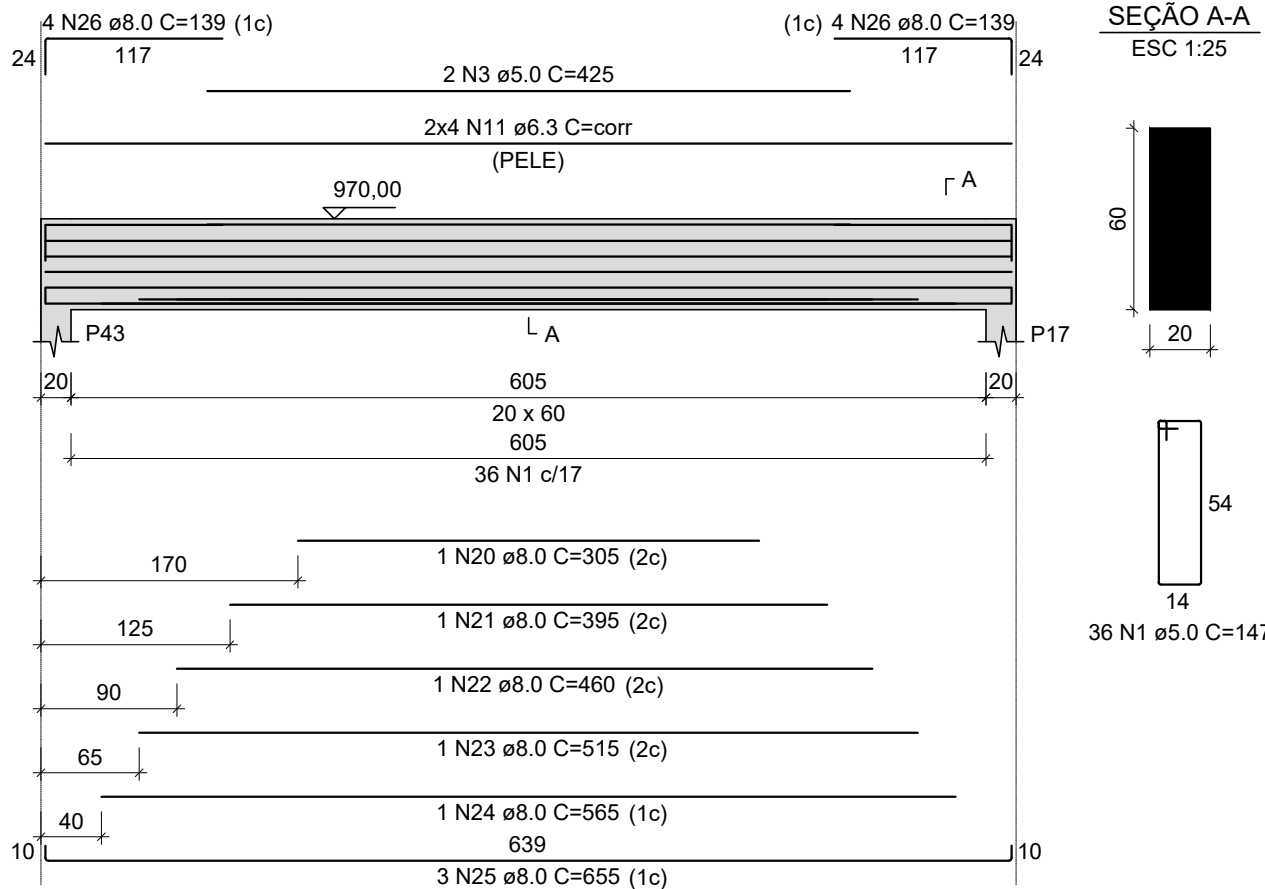
V60

ESC 1:50



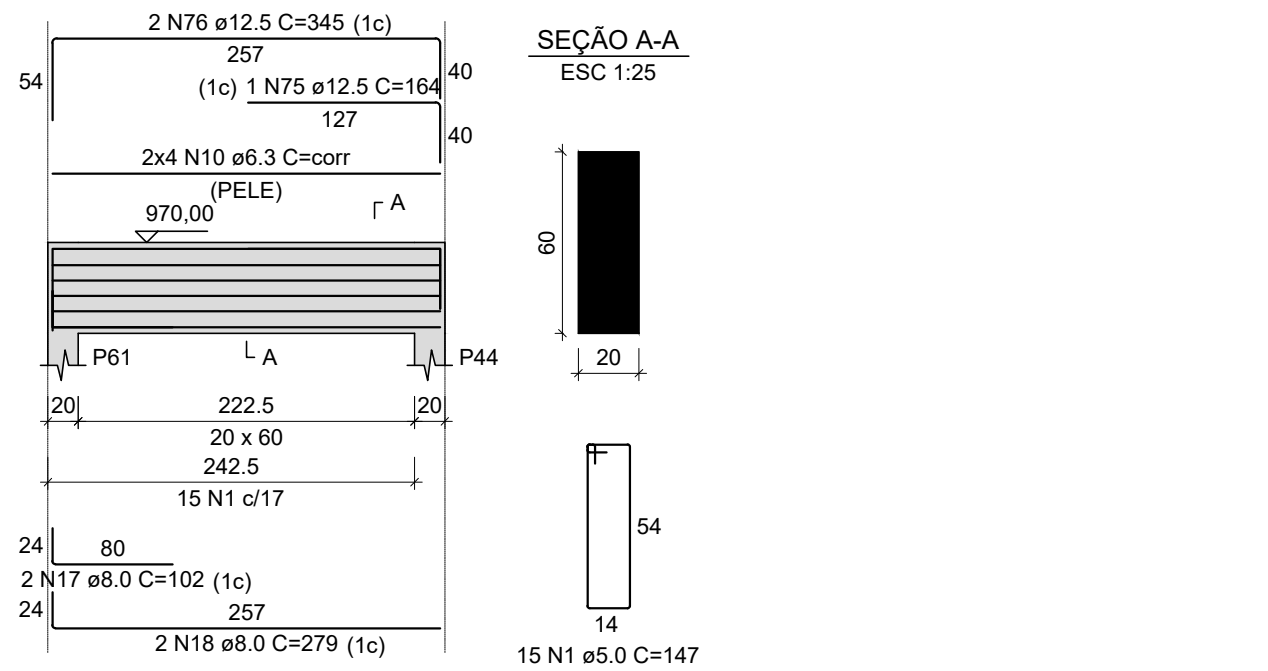
V61

ESC 1:50



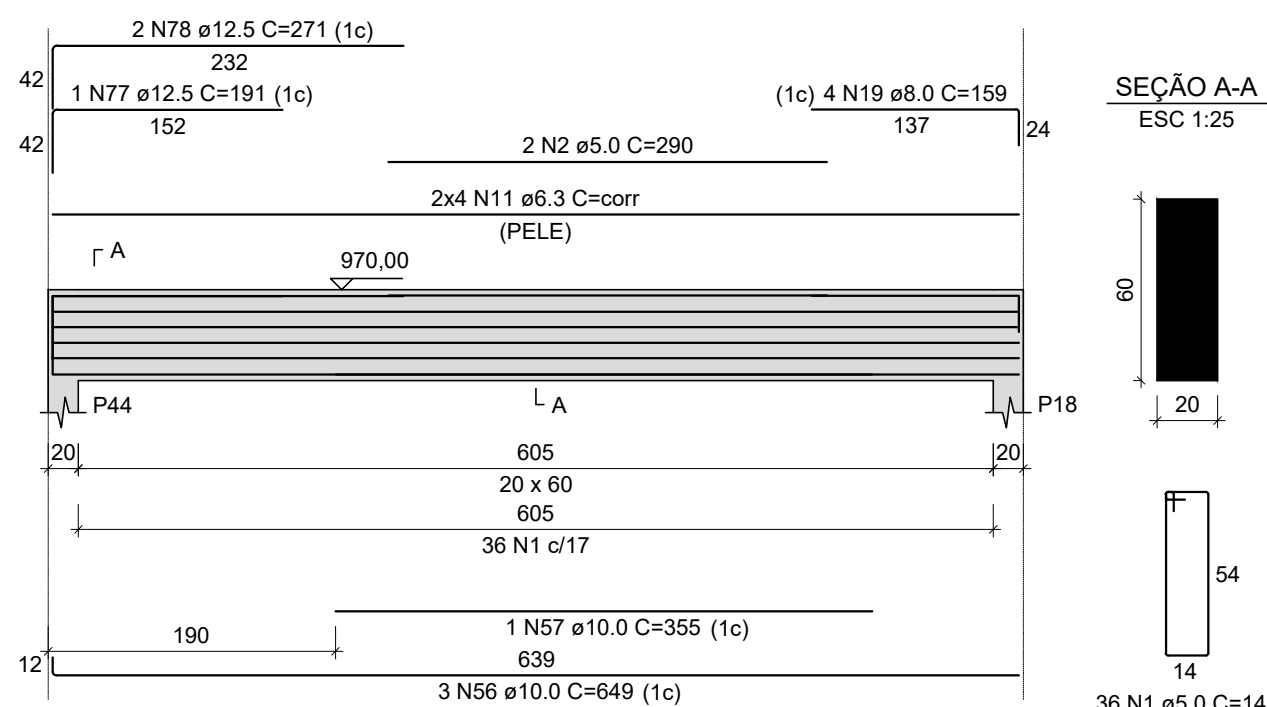
V62

ESC 1:50



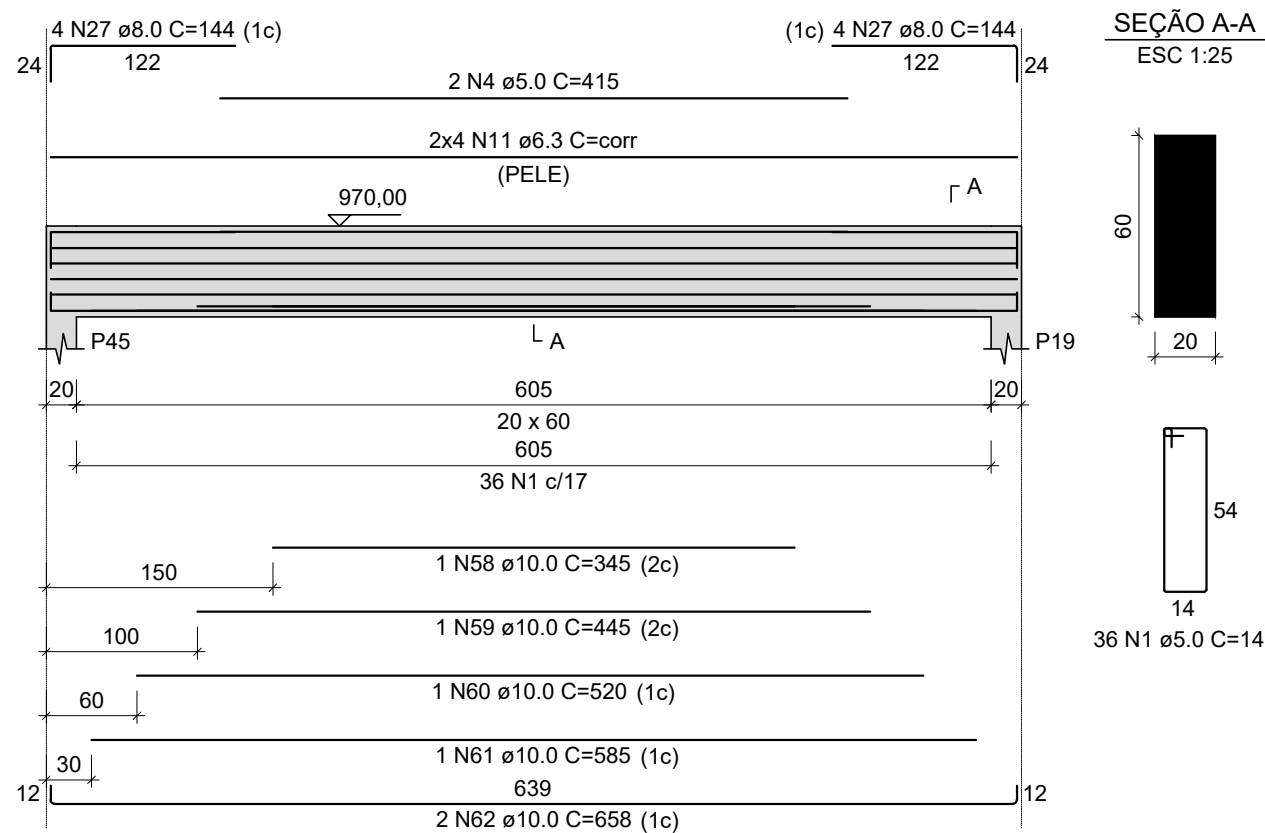
V63

ESC 1:50



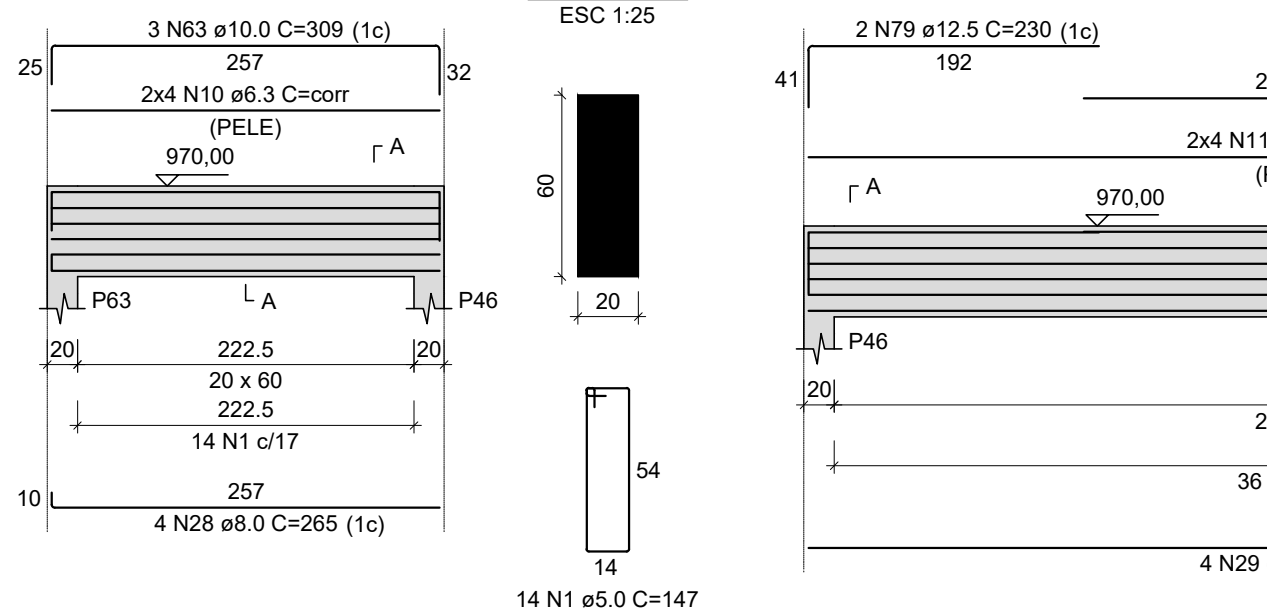
V64

ESC 1:50



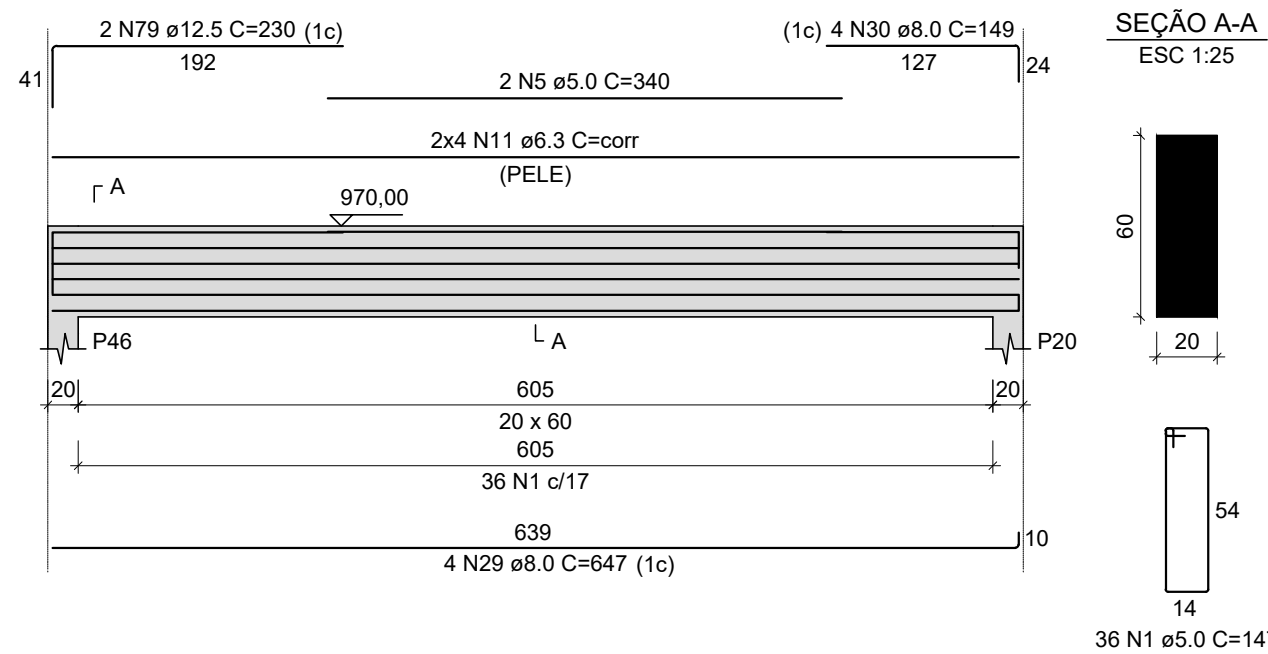
V65

ESC 1:50



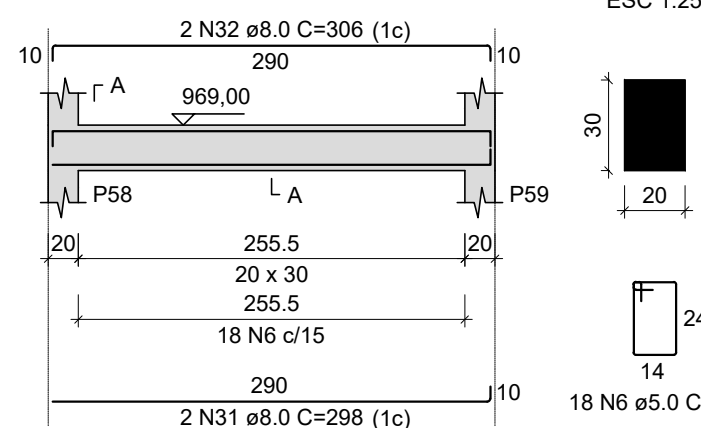
V66

ESC 1:50



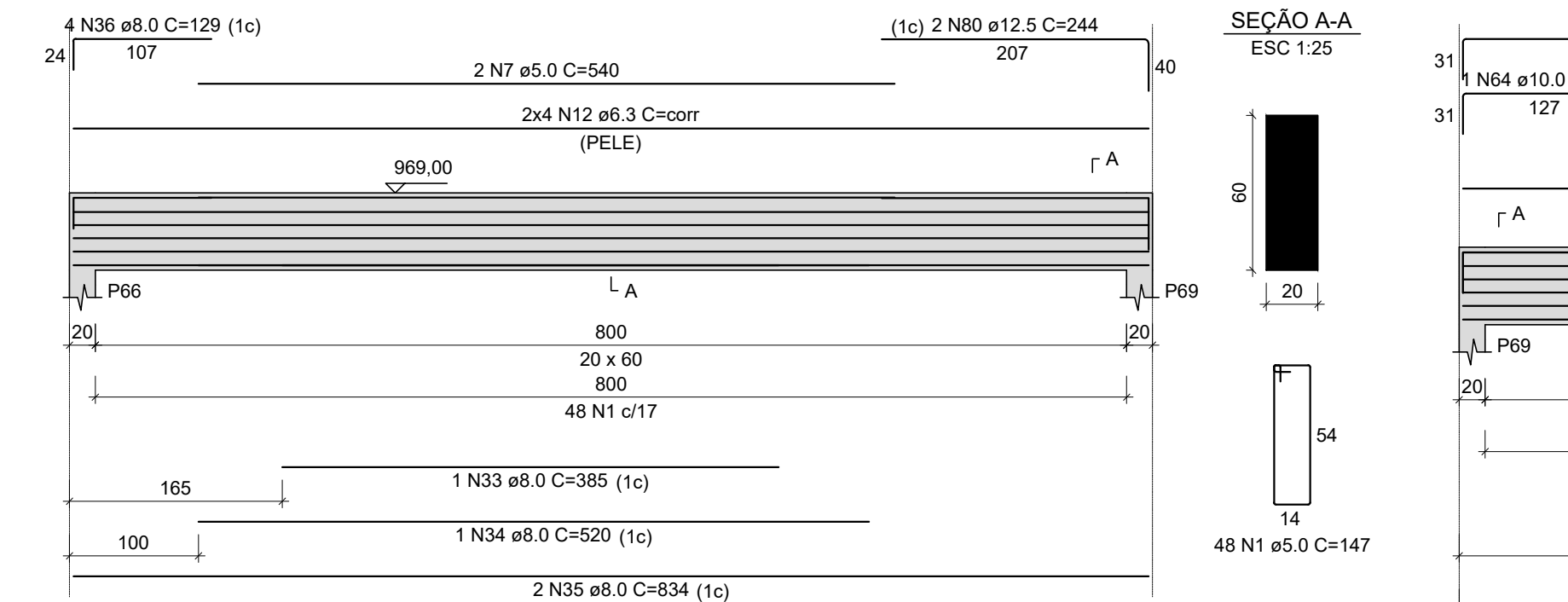
V67

ESC 1:50



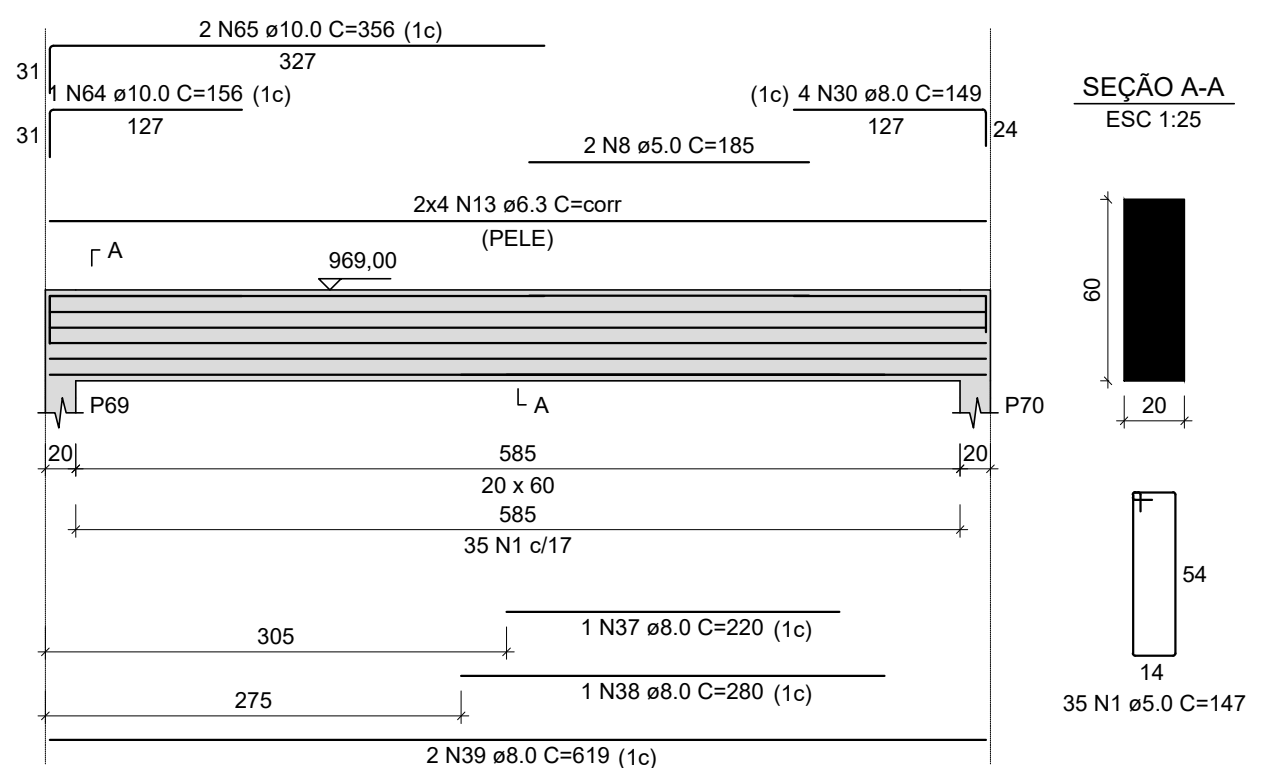
V68

ESC 1:50



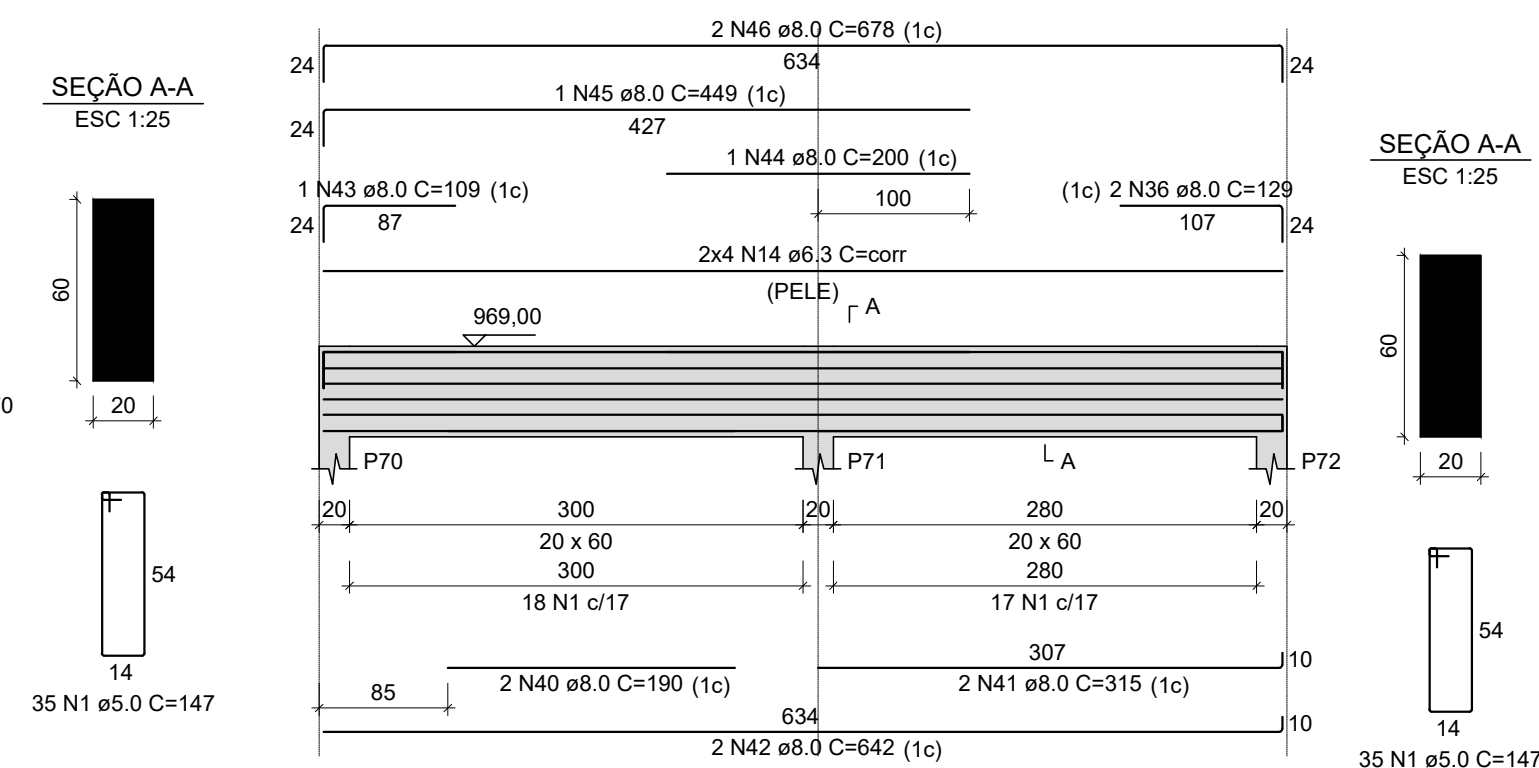
V69

ESC 1:50



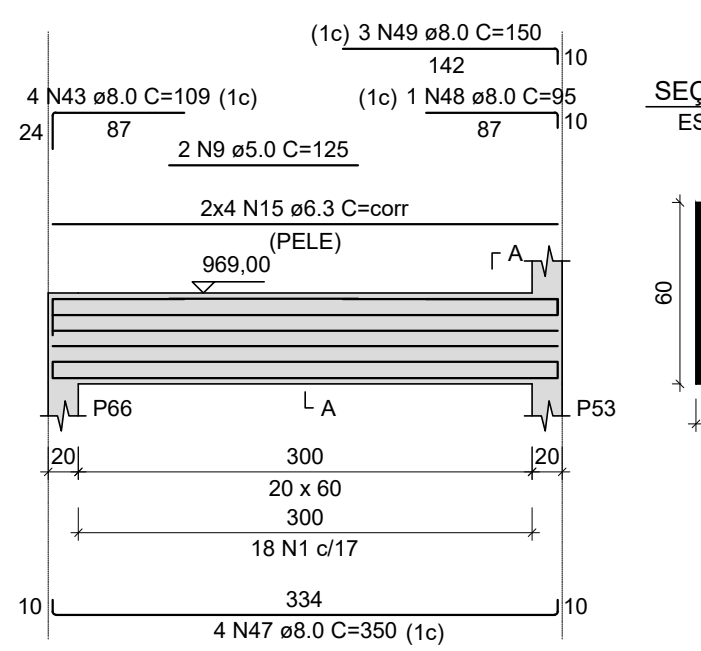
V70

ESC 1:50



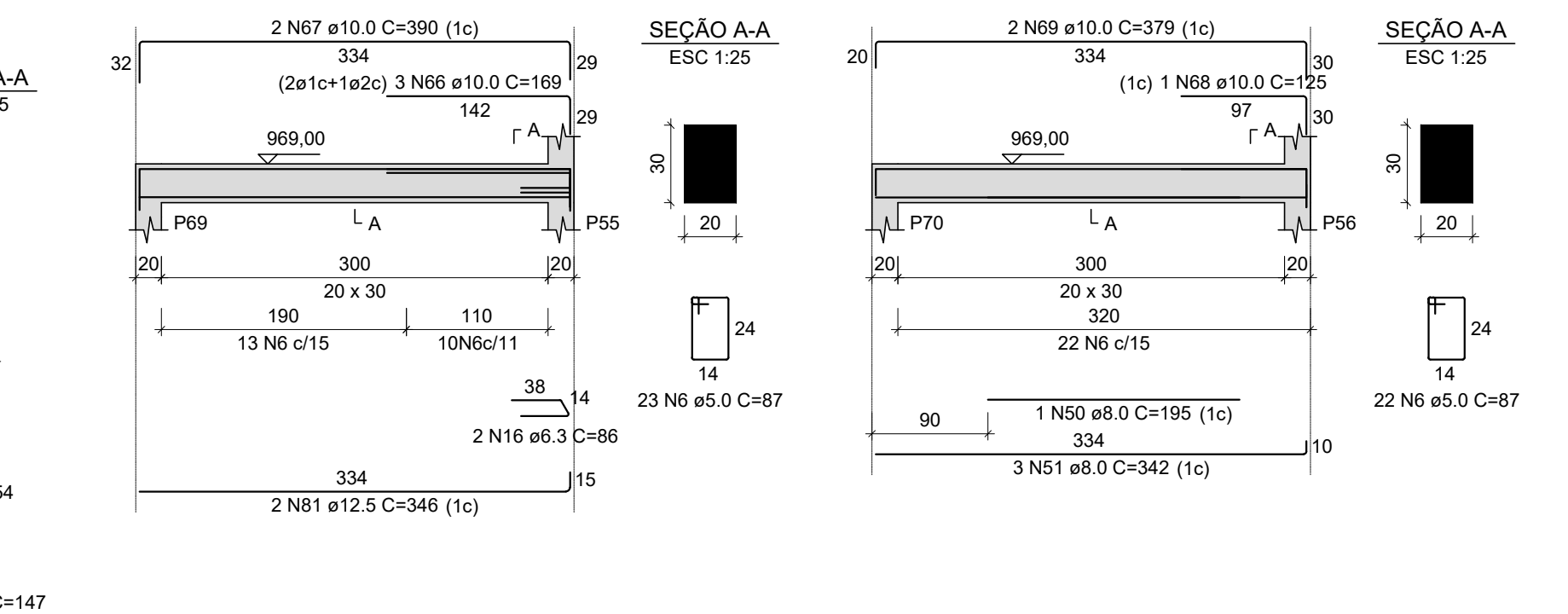
V71

ESC 1:50



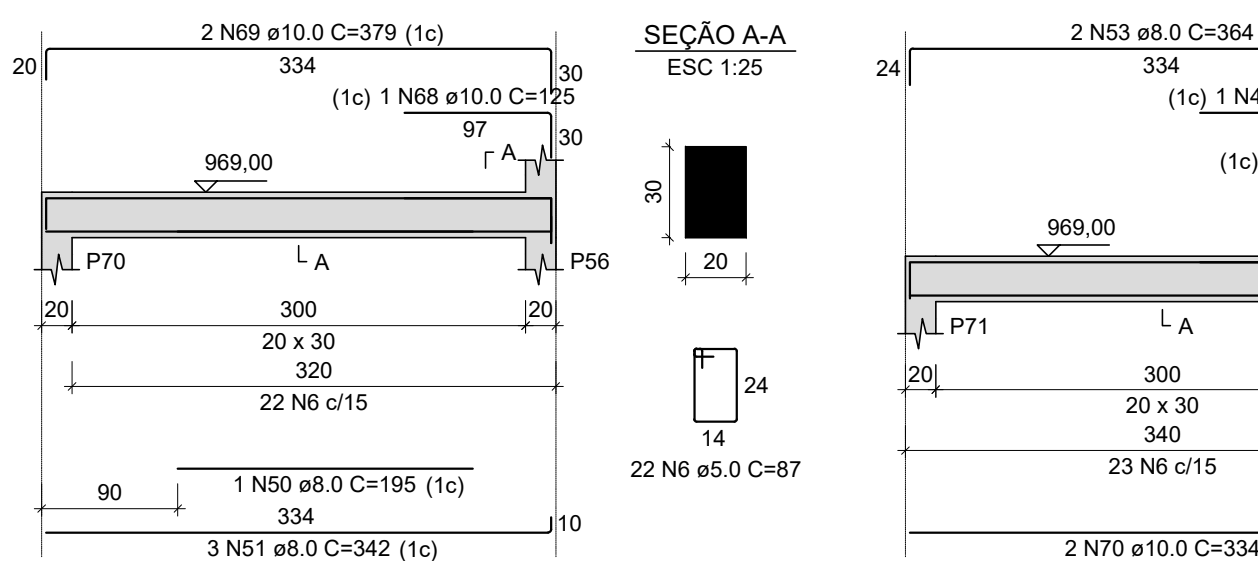
V72

ESC 1:50



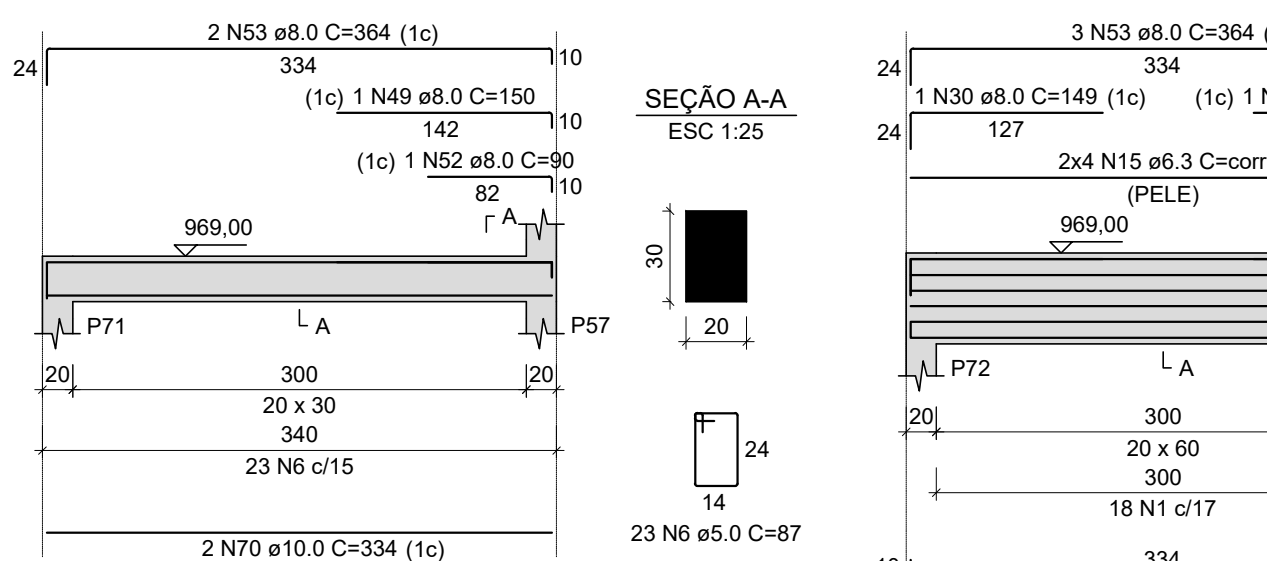
V73

ESC 1:50



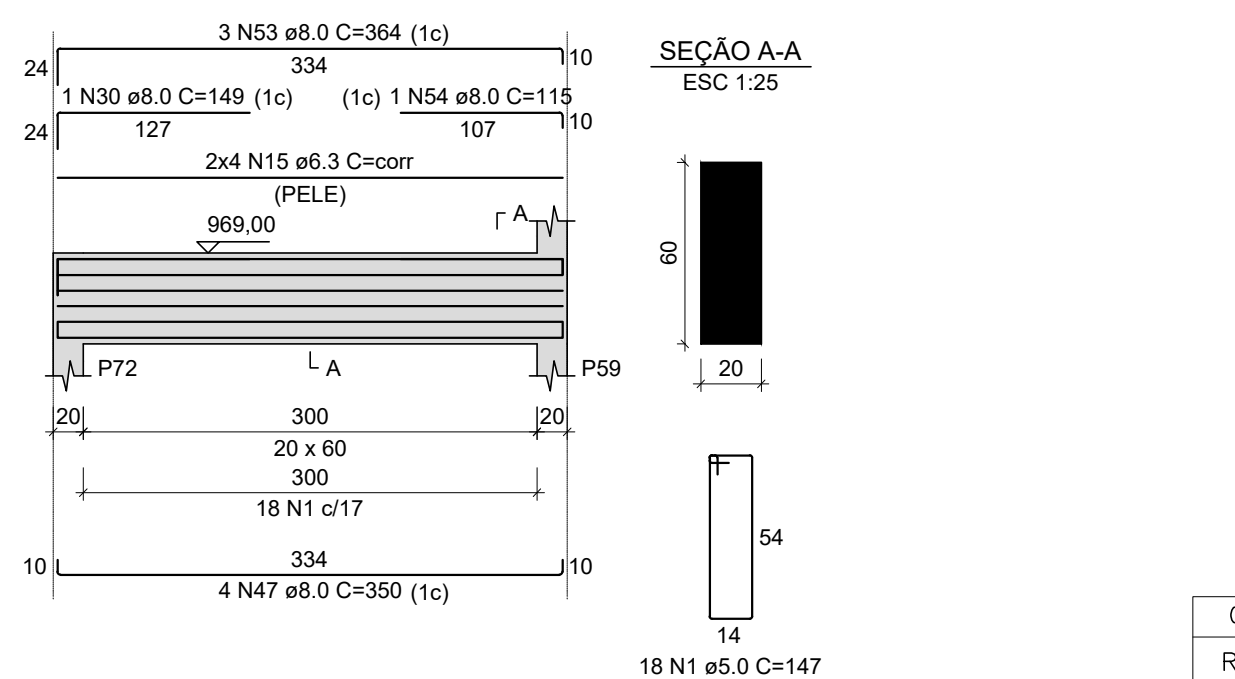
V74

ESC 1:50



V75

ESC 1:50



RELAÇÃO DO AÇO

| AÇO | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|------|----|-----------|-------|-------------|--------------|
| CA60 | 1 | 5.0 | 378 | 147 | 55566 |
| | 2 | 5.0 | 4 | 230 | 1160 |
| | 3 | 5.0 | 2 | 425 | 850 |
| | 4 | 5.0 | 2 | 415 | 830 |
| | 5 | 5.0 | 2 | 340 | 680 |
| | 6 | 5.0 | 86 | 87 | 7482 |
| | 7 | 5.0 | 2 | 540 | 1080 |
| | 8 | 5.0 | 2 | 165 | 370 |
| | 9 | 5.0 | 2 | 125 | 250 |
| CA50 | 10 | 6.3 | 24 | corr | 6168 |
| | 11 | 6.3 | 40 | corr | 25560 |
| | 12 | 6.3 | 8 | corr | 6672 |
| | 13 | 6.3 | 8 | corr | 4952 |
| | 14 | 6.3 | 8 | corr | 5072 |
| | 15 | 6.3 | 16 | corr | 5344 |
| | 16 | 6.3 | 2 | 86 | 172 |
| | 17 | 8.0 | 4 | 102 | 408 |
| | 18 | 8.0 | 4 | 279 | 1116 |
| | 19 | 8.0 | 8 | 159 | 1272 |
| | 20 | 8.0 | 1 | 305 | 305 |
| | 21 | 8.0 | 1 | 395 | 395 |
| | 22 | 8.0 | 1 | 460 | 460 |
| | 23 | 8.0 | 1 | 515 | 515 |
| | 24 | 8.0 | 1 | 565 | 565 |
| | 25 | 8.0 | 3 | 655 | 1965 |
| | 26 | 8.0 | 8 | 138 | 1112 |
| | 27 | 8.0 | 8 | 144 | 1152 |
| | 28 | 8.0 | 4 | 265 | 1060 |
| | 29 | 8.0 | 4 | 647 | 2588 |
| | 30 | 8.0 | 9 | 149 | 1341 |
| | 31 | 8.0 | 2 | 298 | 596 |
| | 32 | 8.0 | 2 | 306 | 612 |
| | 33 | 8.0 | 1 | 385 | 385 |
| | 34 | 8.0 | 1 | 520 | 520 |
| | 35 | 8.0 | 2 | 834 | 1668 |
| | 36 | 8.0 | 6 | 126 | 774 |
| | 37 | 8.0 | 1 | 220 | 220 |
| | 38 | 8.0 | 1 | 280 | 280 |
| | 39 | 8.0 | 2 | 619 | 1238 |
| | 40 | 8.0 | 2 | 190 | 380 |
| | 41 | 8.0 | 2 | 315 | 630 |
| | 42 | 8.0 | 2 | 642 | 1284 |
| | 43 | 8.0 | 5 | 109 | 545 |
| | 44 | 8.0 | 1 | 200 | 200 |
| | 45 | 8.0 | 1 | 449 | 449 |
| | 46 | 8.0 | 2 | 678 | 1356 |
| | 47 | 8.0 | 8 | 350 | 2800 |
| | 48 | 8.0 | 1 | 95 | 95 |
| | 49 | 8.0 | 4 | 150 | 600 |
| | 50 | 8.0 | 1 | 195 | 195 |
| | 51 | 8.0 | 3 | 342 | 1026 |
| | 52 | 8.0 | 1 | 90 | 90 |
| | 53 | 8.0 | 5 | 364 | 1820 |
| | 54 | 8.0 | 1 | 115 | 115 |
| | 55 | 10.0 | 1 | 350 | 350 |
| | 56 | 10.0 | 6 | 649 | 3894 |
| | 57 | 10.0 | 1 | 355 | 355 |
| | 58 | 10.0 | 1 | 345 | 345 |
| | 59 | 10.0 | 1 | 445 | 445 |
| | 60 | 10.0 | 1 | 520 | 520 |
| | 61 | 10.0 | 1 | 585 | 585 |
| | 62 | 10.0 | 2 | 658 | 1316 |
| | 63 | 10.0 | 3 | 309 | 927 |
| | 64 | 10.0 | 1 | 156 | 156 |
| | 65 | 10.0 | 2 | 356 | 712 |
| | 66 | 10.0 | 3 | 169 | 507 |
| | 67 | 10.0 | 2 | 390 | 780 |
| | 68 | 10.0 | 1 | 125 | 125 |
| | 69 | 10.0 | 2 | 379 | 758 |
| | 70 | 10.0 | 2 | 334 | 668 |
| | 71 | 12.5 | 1 | 163 | 163 |
| | 72 | 12.5 | 2 | 344 | 688 |
| | 73 | 12.5 | 1 | 190 | 190 |
| | 74 | 12.5 | 2 | 270 | 540 |
| | 75 | 12.5 | 1 | 164 | 164 |
| | 76 | 12.5 | 2 | 345 | 690 |
| | 77 | 12.5 | 1 | 191 | 191 |
| | 78 | 12.5 | 2 | 271 | 542 |
| | 79 | 12.5 | 2 | 230 | 460 |
| | 80 | 12.5 | 2 | 244 | 488 |
| | 81 | 12.5 | 2 | 346 | 692 |

RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 10% (kg) |
|-----------------|-----------|-------------|-----------------|
| CA50 | 6.3 | 539.4 | 145.2 |
| | 8.0 | 321.3 | 139.5 |
| | 10.0 | 124.4 | 84.4 |
| | 12.5 | 48.1 | 90.9 |
| CA60 | 5.0 | 682.7 | 115.7 |
| PESO TOTAL (kg) | | | |
| CA50 | | 420 | |
| CA60 | | 115.7 | |

Volume de concreto fck 3,0kN/cm² (C-30) = 8.20 m³

Área de forma = 77.50 m²

| | | | |
|--|---|-------------------------------|---|
| 05 | 21/11/22 | REVISÃO CONFORME NOTA TÉCNICA | ATACIZIO |
| REVISÃO | DATA | DESCRIÇÃO | RESP. |
| EMPRESA | MARKA ARQUITETURA E ENGENHARIA LTDA. RUA PROFESSOR ABEYLARD, 279, SALA 9 CENTRO, SETE LAGOAS/MG opoio@markaprojetos.com.br (31) 3177-4235 www.markaprojetos.com.br | | ESPECIALIDADE ESTRUTURAL FASE DO PROJETO EXECUTIVO |
| EMPENHAMENTO - OBRA | RESPONSÁVEL PROJETO JOSE ATACIZIO DA FE INGENHEIRO CIVIL CREA/MG 87.889/D COORDENADOR PROJETO KARINE NARDY | | PROJETISTA JOSE ATACIZIO DA FE |
| ASSUNTO PROJETO DE ESTRUTURAS DE CONCRETO ARMAÇÃO DAS VIGAS - BLOCO 02 | ESCALA INDICADA DATA 21/11/22 ARQUIVO 064-EST-BLOCO 02-BELVEDERE-R06 | | Nº FOLHA 24 |