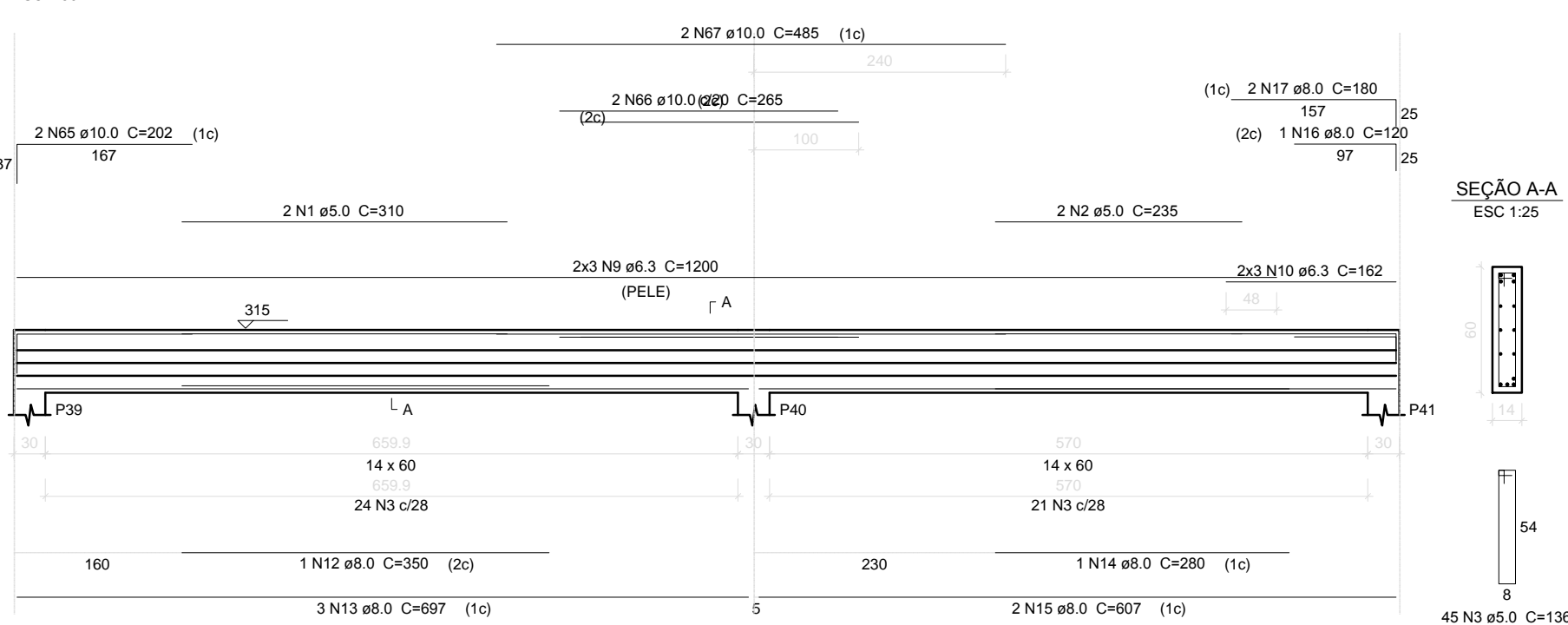


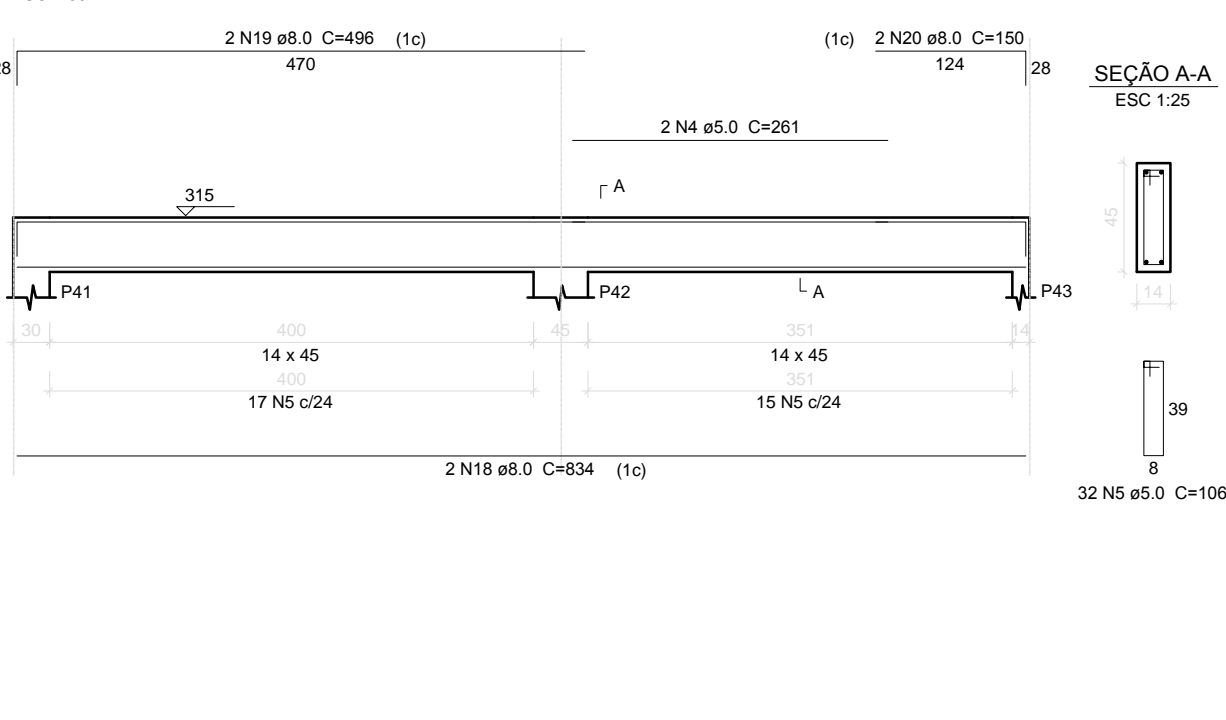
V10

ESC 1:50



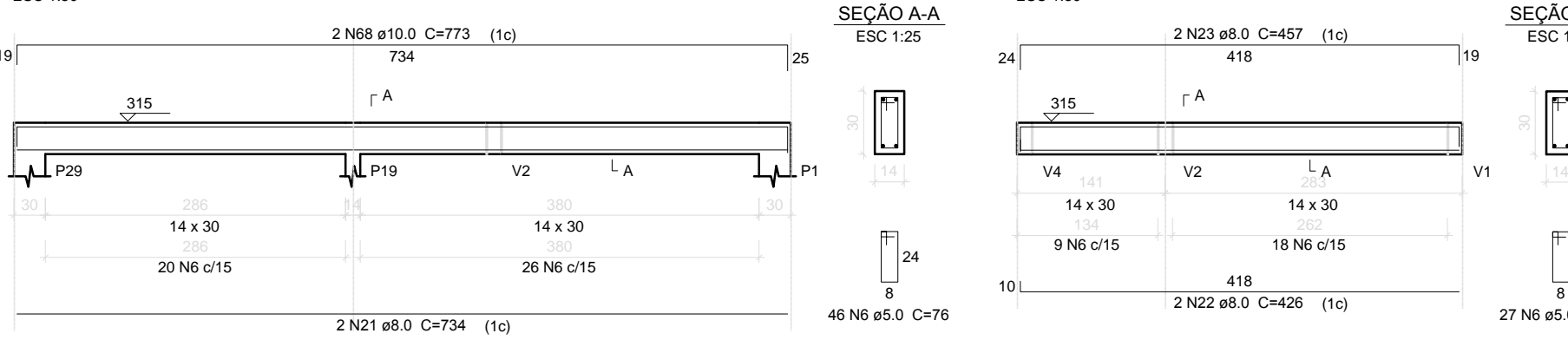
V11

ESC 1:50



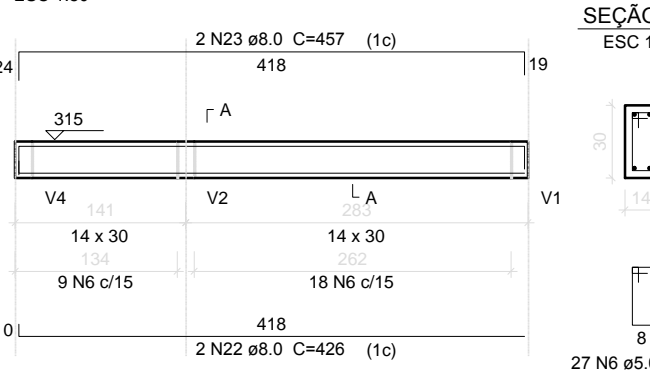
V12

ESC 1:50



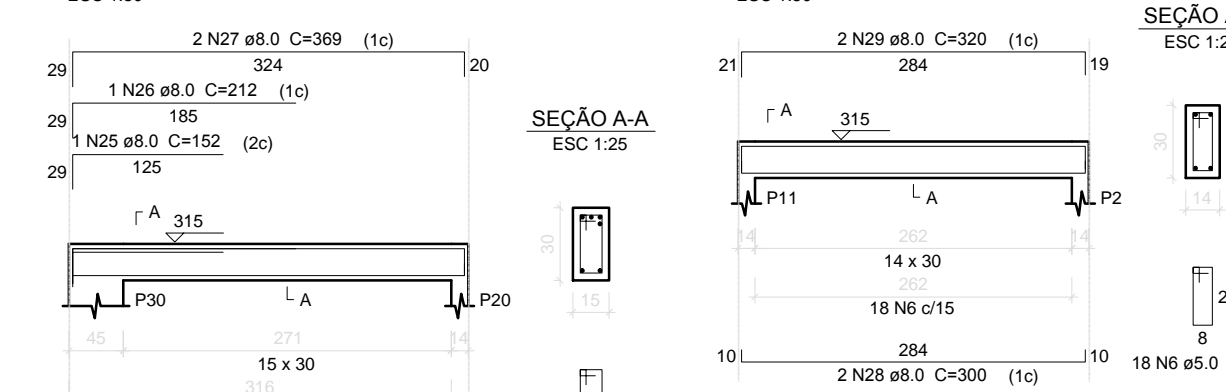
V13

ESC 1:50



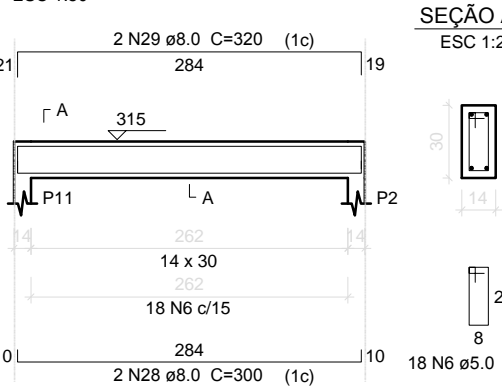
V14

ESC 1:50



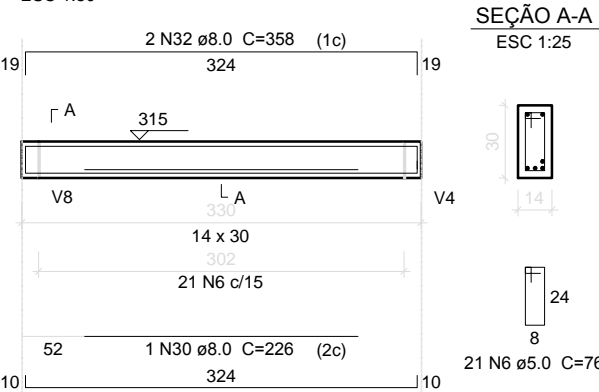
V15

ESC 1:50



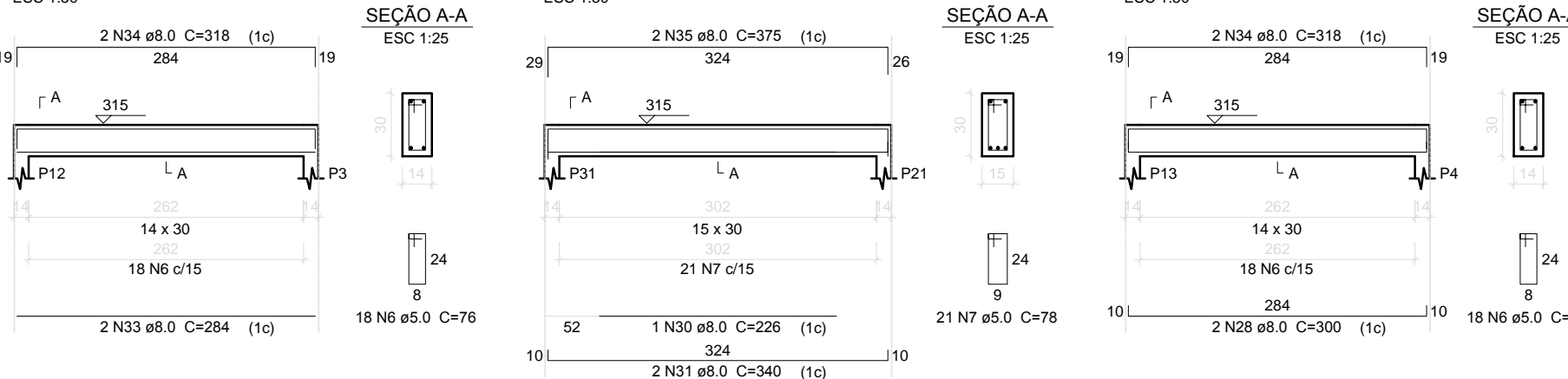
V16

ESC 1:50



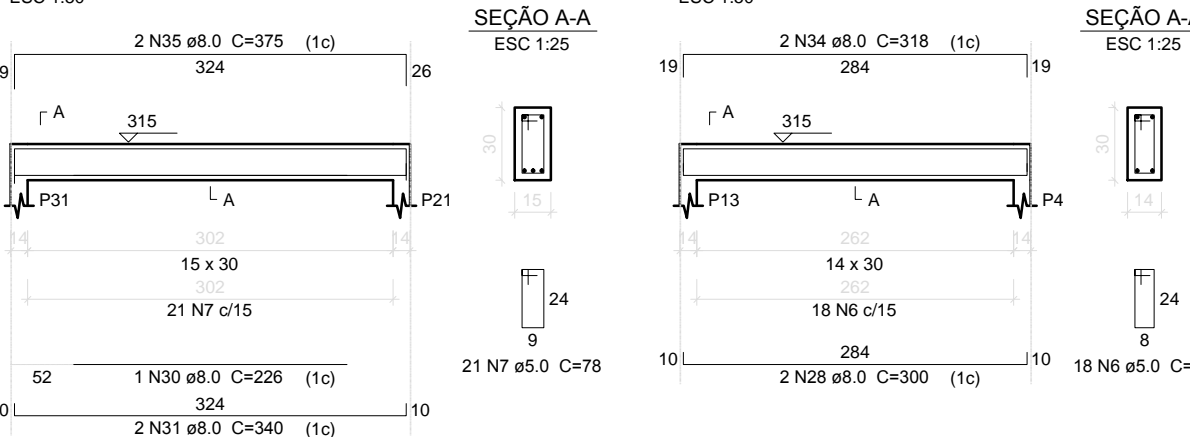
V17

ESC 1:50



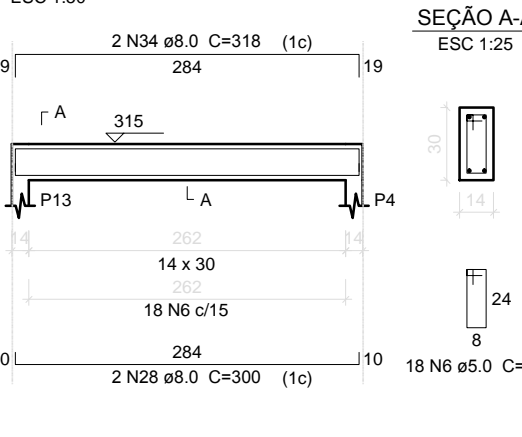
V18

ESC 1:50



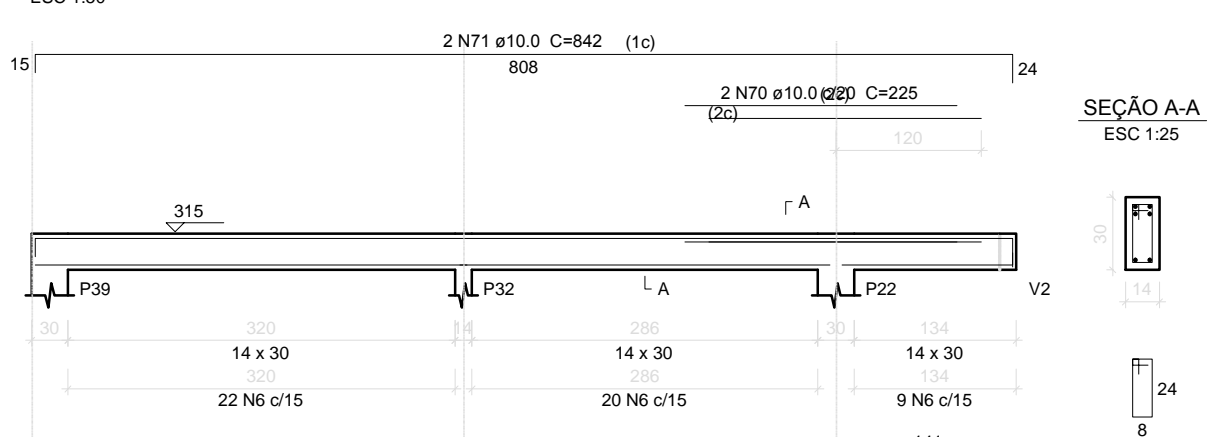
V19

ESC 1:50



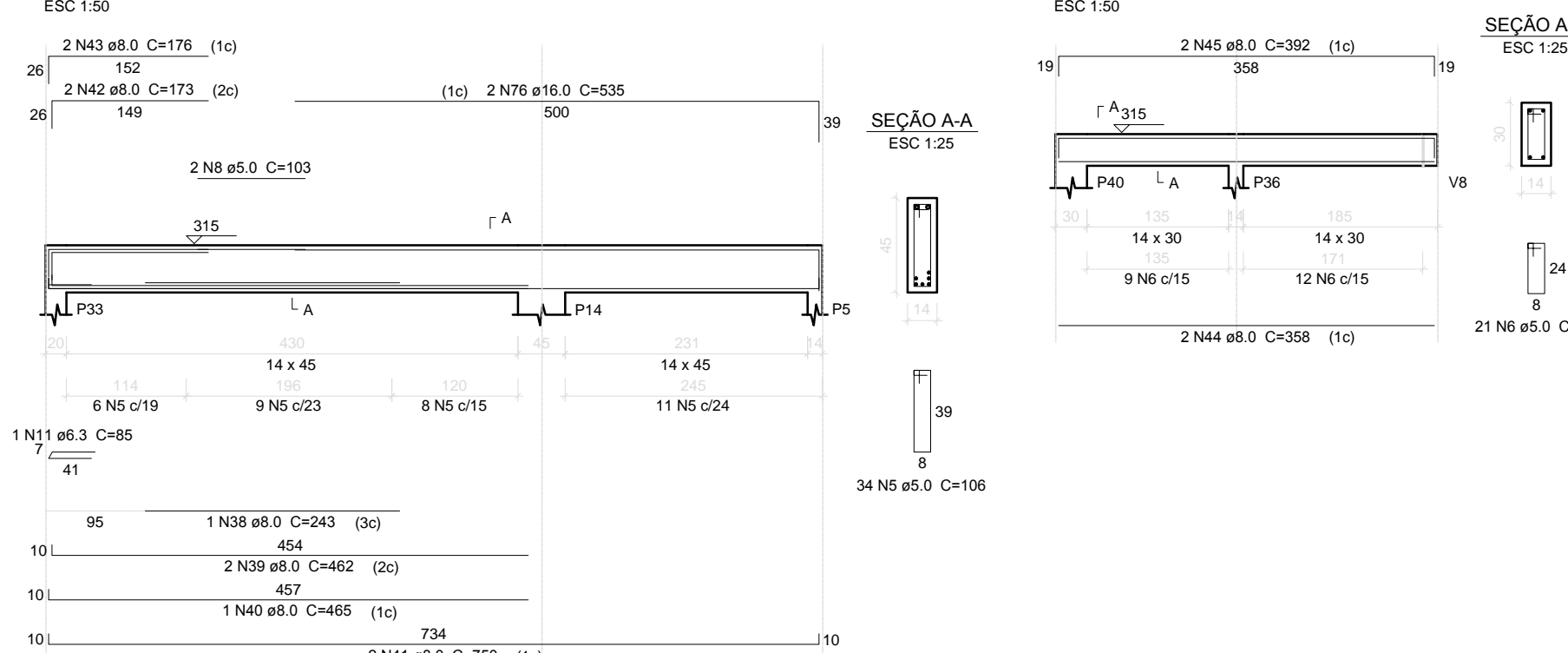
V20

ESC 1:50



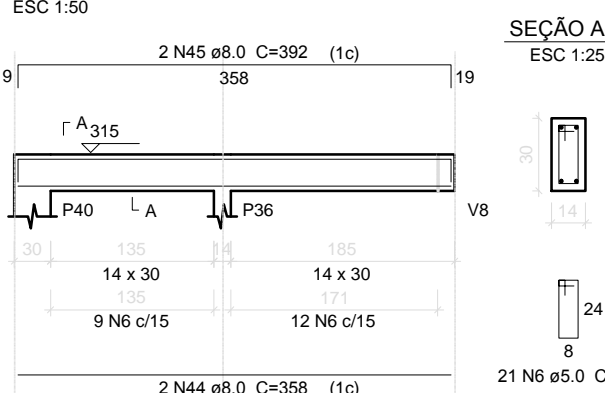
V21

ESC 1:50



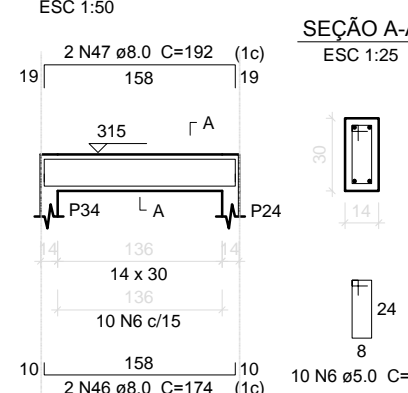
V22

ESC 1:50



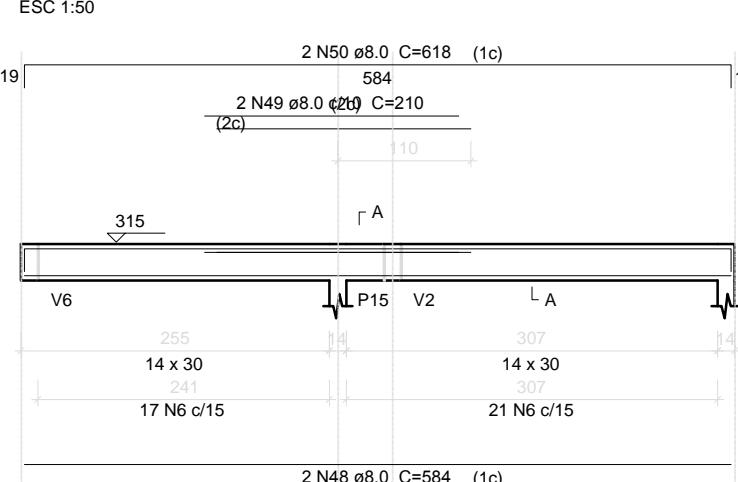
V23

ESC 1:50



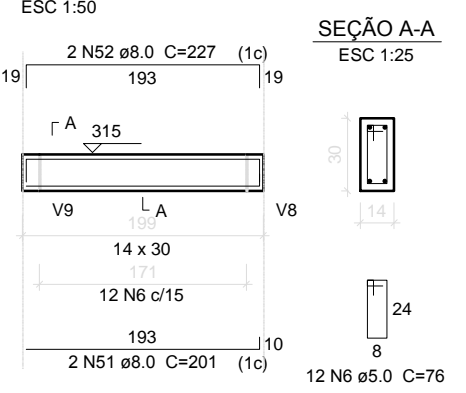
V24

ESC 1:50



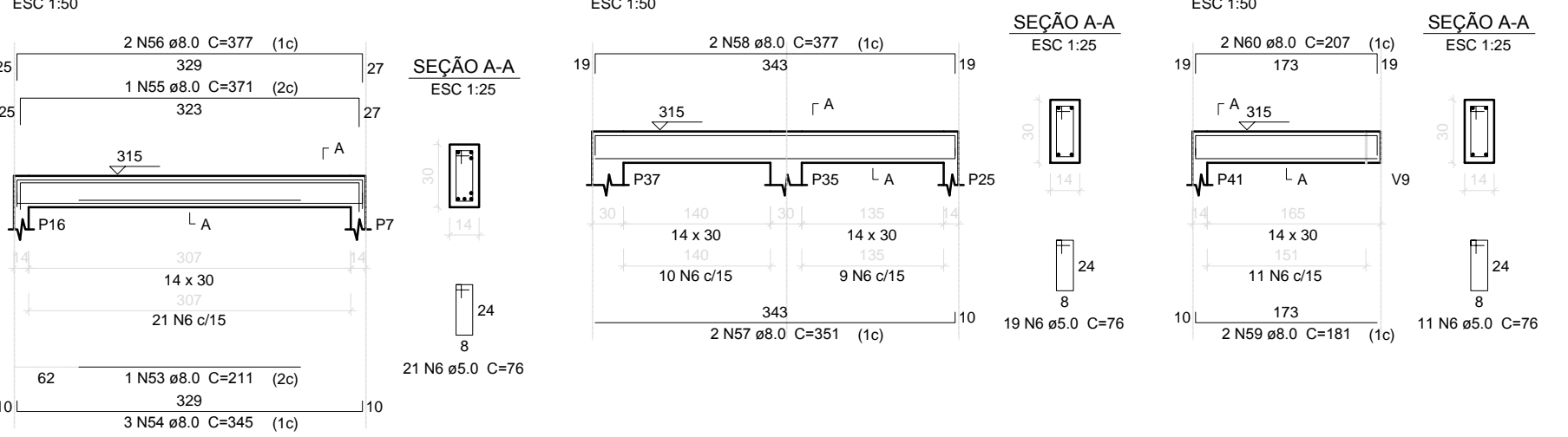
V25

ESC 1:50



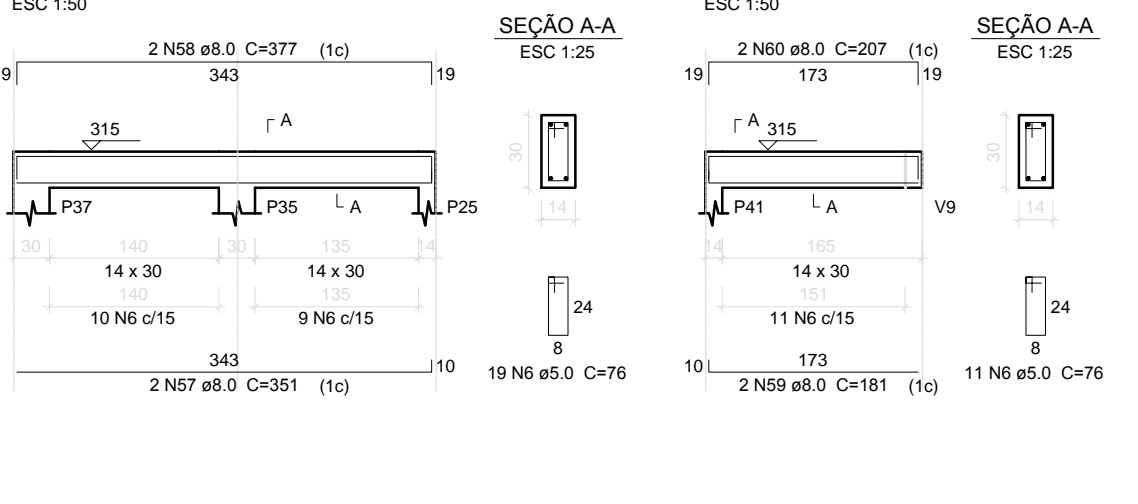
V26

ESC 1:50



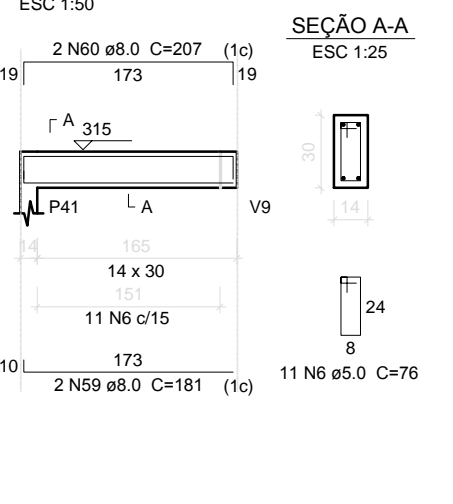
V27

ESC 1:50



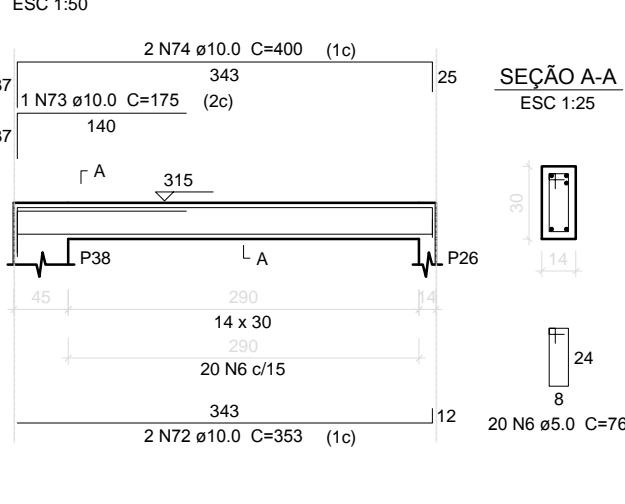
V28

ESC 1:50



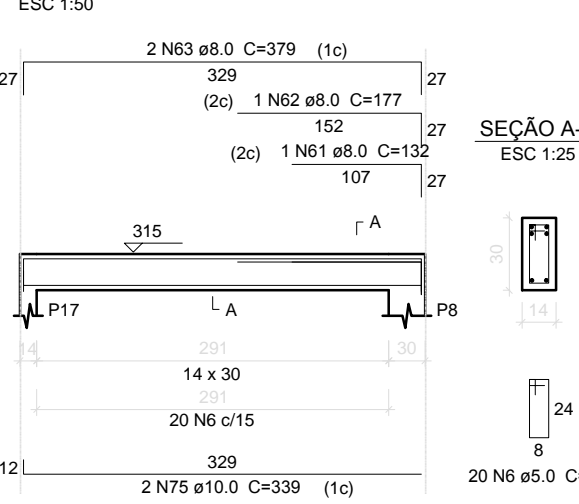
V29

ESC 1:50



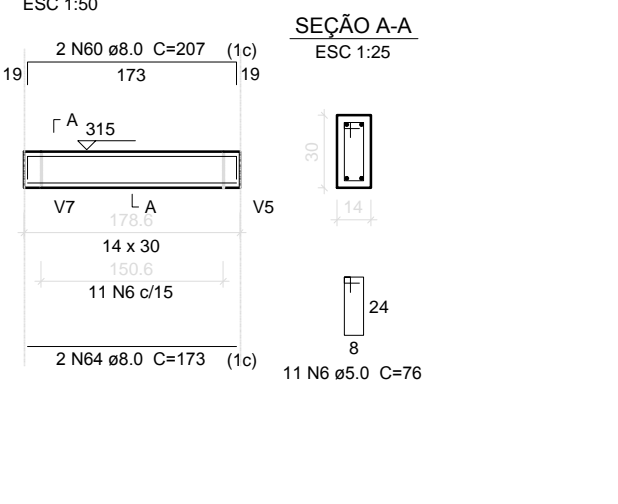
V30

ESC 1:50



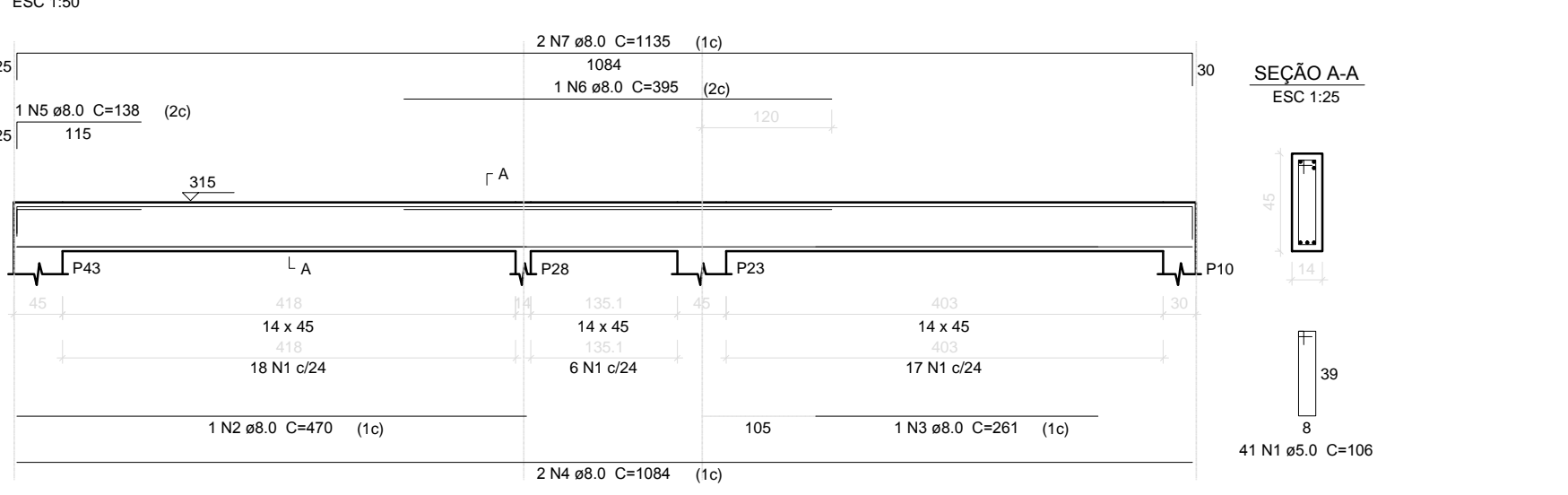
V32

ESC 1:50



V33

ESC 1:50



Relação do aço

| AÇO | N | DIAM | Q | UNIT | C.TOTAL |
|-----|----|------|-----|------|---------|
| V10 | 1 | 5.0 | 2 | 310 | 620 |
| V13 | 2 | 5.0 | 2 | 235 | 470 |
| V15 | 3 | 5.0 | 45 | 136 | 6120 |
| V17 | 4 | 5.0 | 2 | 261 | 522 |
| V19 | 5 | 5.0 | 66 | 106 | 6996 |
| V22 | 6 | 5.0 | 382 | 76 | 29032 |
| V25 | 7 | 5.0 | 43 | 78 | 3354 |
| V28 | 8 | 5.0 | 2 | 103 | 206 |
| V32 | 9 | 6.3 | 6 | 1200 | 7200 |
| | 10 | 6.3 | 6 | 162 | 972 |
| | 11 | 6.3 | 1 | 85 | 85 |
| | 12 | 8.0 | 1 | 350 | 350 |
| | 13 | 8.0 | 3 | 697 | 2091 |
| | 14 | 8.0 | 1 | 280 | 280 |
| | 15 | 8.0 | 2 | 607 | 1214 |
| | 16 | 8.0 | 1 | 120 | 120 |
| | 17 | 8.0 | 2 | 180 | 360 |
| | 18 | 8.0 | 2 | 834 | 1668 |
| | 19 | 8.0 | 2 | 496 | 992 |
| | 20 | 8.0 | 2 | 150 | 300 |
| | 21 | 8.0 | 2 | 734 | 1468 |
| | 22 | 8.0 | 2 | 426 | 852 |
| | 23 | 8.0 | 2 | 457 | 914 |
| | 24 | 8.0 | 2 | 332 | 664 |
| | 25 | 8.0 | 1 | 152 | 152 |
| | 26 | 8.0 | 1 | 212 | 212 |
| | 27 | 8.0 | 2 | 369 | 738 |
| | 28 | 8.0 | 4 | 300 | 1200 |
| | 29 | 8.0 | 2 | 320 | 640 |
| | 30 | 8.0 | 2 | 226 | 452 |
| | 31 | 8.0 | 5 | 340 | 1700 |
| | 32 | 8.0 | 2 | 358 | 716 |
| | 33 | 8.0 | 2 | 284 | 568 |
| | 34 | 8.0 | 4 | 318 | 1272 |
| | 35 | 8.0 | 2 | 375 | 750 |
| | 36 | 8.0 | 2 | 357 | 714 |
| | 37 | 8.0 | 2 | 149 | 298 |
| | 38 | 8.0 | 1 | 243 | 243 |
| | 39 | 8.0 | 2 | 462 | 924 |
| | 40 | 8.0 | 1 | 465 | 465 |
| | 41 | 8.0 | 2 | 750 | 1500 |
| | 42 | 8.0 | 2 | 173 | 346 |
| | 43 | 8.0 | 2 | 176 | 352 |
| | 44 | 8.0 | 2 | 192 | 384 |
| | 45 | 8.0 | 2 | 392 | 784 |
| | 46 | 8.0 | 2 | 174 | 348 |
| | 47 | 8.0 | 2 | 192 | 384 |
| | 48 | 8.0 | 2 | 584 | 1168 |
| | 49 | 8.0 | 2 | 210 | 420 |
| | 50 | 8.0 | 2 | 618 | 1236 |
| | 51 | 8.0 | 2 | 201 | 402 |
| | 52 | 8.0 | 2 | 227 | 454 |
| | 53 | 8.0 | 1 | 211 | 211 |
| | 54 | 8.0 | 3 | 345 | 1035 |
| | 55 | 8.0 | 1 | 371 | 371 |
| | 56 | 8.0 | 2 | 377 | 754 |
| | 57 | 8.0 | 2 | 351 | 702 |
| | 58 | 8.0 | 2 | 377 | 754 |
| | 59 | 8.0 | 2 | 181 | 362 |
| | 60 | 8.0 | 4 | 207 | 828 |
| | 61 | 8.0 | 1 | 132 | 132 |
| | 62 | 8.0 | 1 | 177 | 177 |
| | 63 | 8.0 | 2 | 379 | 758 |
| | 64 | 8.0 | 2 | 173 | 346 |
| | 65 | 10.0 | 2 | 202 | 404 |
| | 66 | 10.0 | 2 | 285 | 530 |
| | 67 | 10.0 | 2 | 485 | 970 |
| | 68 | 10.0 | 2 | 773 | 1546 |
| | 69 | 10.0 | 2 | 306 | 612 |
| | 70 | 10.0 | 2 | 225 | 450 |
| | 71 | 10.0 | 2 | 842 | 1684 |
| | 72 | 10.0 | 2 | 353 | 706 |
| | 73 | 10.0 | 1 | 175 | 175 |
| | 74 | 10.0 | 2 | 400 | 800 |
| | 75 | 10.0 | 2 | 339 | 678 |
| | 76 | 16.0 | 2 | 535 | 1070 |

Resumo do aço

| AÇO | DIAM | C.TOTAL | PESO + 10 % |
|------------|------|---------|-------------|
| CA50 | 6.3 | 82.6 | 22.2 |
| | 8.0 | 368.6 | 160 |
| | 10.0 | 85.6 | 58 |
| | 16.0 | 10.7 | 18.6 |
| CA60 | 5.0 | 473.2 | 80.2 |
| PESO TOTAL | | | |
| CA50 | | 258.8 | |
| CA60 | | 80.2 | |

Vol. de concreto total (C-25) = 5.01 m³
Área de forma total = 65.1 m²

Relação do aço

| AÇO | N | DIAM | Q | UNIT | C.TOTAL |
|------|---|------|----|------|---------|
| V33 | 1 | 5.0 | 41 | 106 | 4346 |
| CA60 | 2 | 8.0 | 1 | 470 | 470 |
| | 3 | 8.0 | 1 | 261 | 261 |
| | 4 | 8.0 | 2 | 1084 | 2168 |
| | 5 | 8.0 | 1 | 138 | 138 |
| | 6 | 8.0 | 1 | 395 | 395 |
| | 7 | 8.0 | 2 | 1135 | 2270 |

Resumo do aço

| AÇO | DIAM | C.TOTAL | PESO + 10 % |
|------------|------|---------|-------------|
| CA50 | 8.0 | 57.1 | 24.7 |
| CA60 | 5.0 | 43.5 | 7.4 |
| PESO TOTAL | | | |
| CA50 | | 24.7 | |
| CA60 | | 7.4 | |

Vol. de concreto total (C-25) = 0.69 m³
Área de forma total = 11