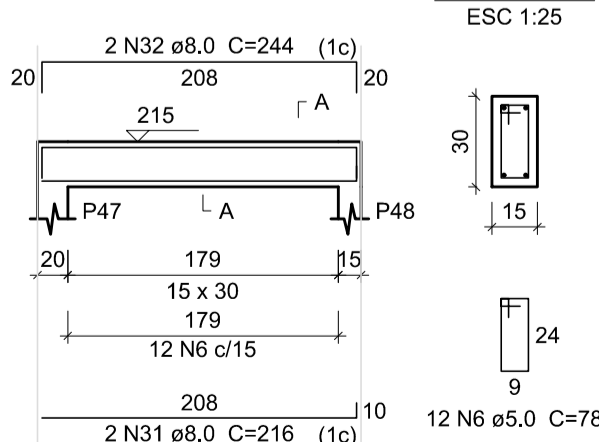
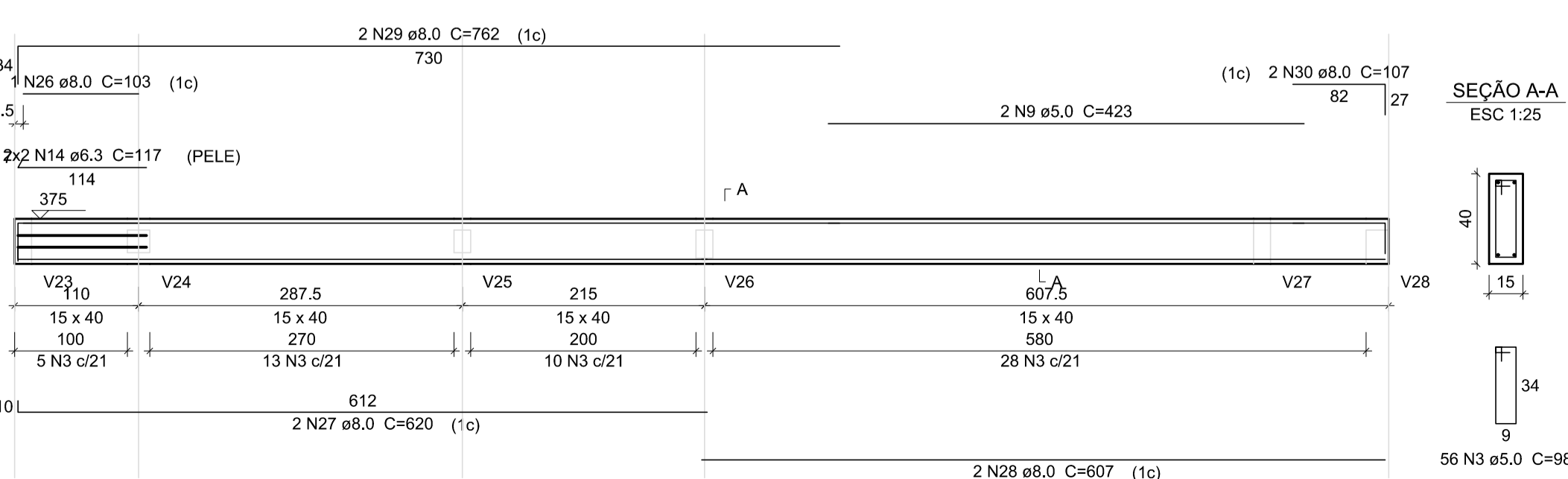
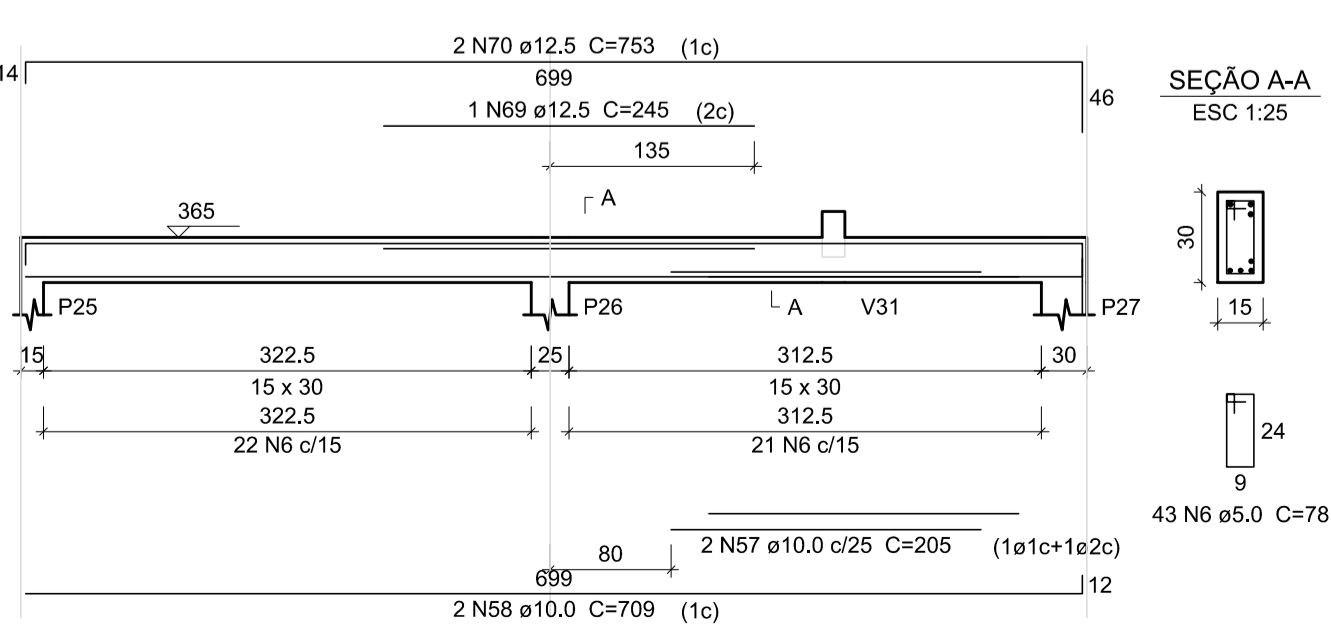
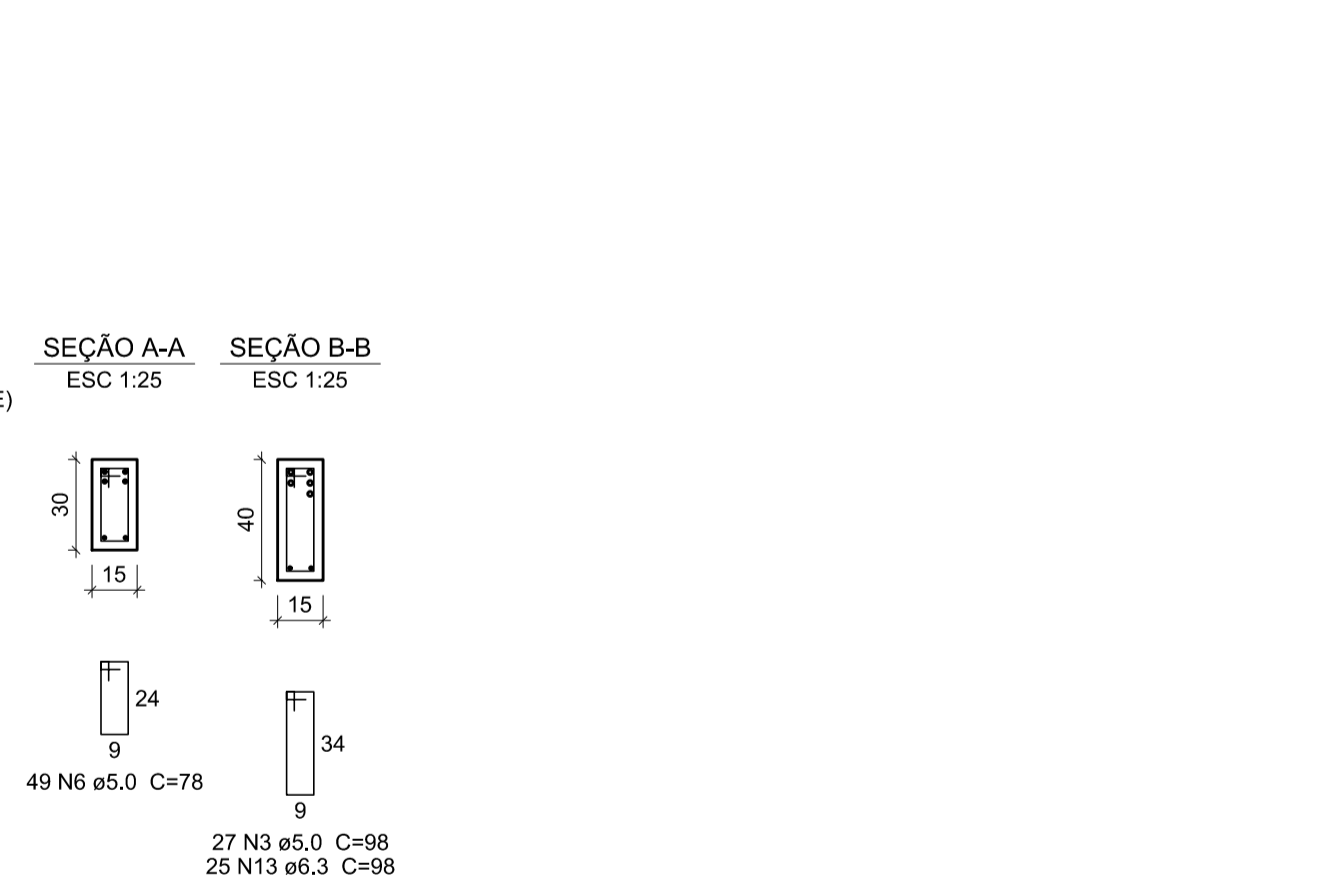
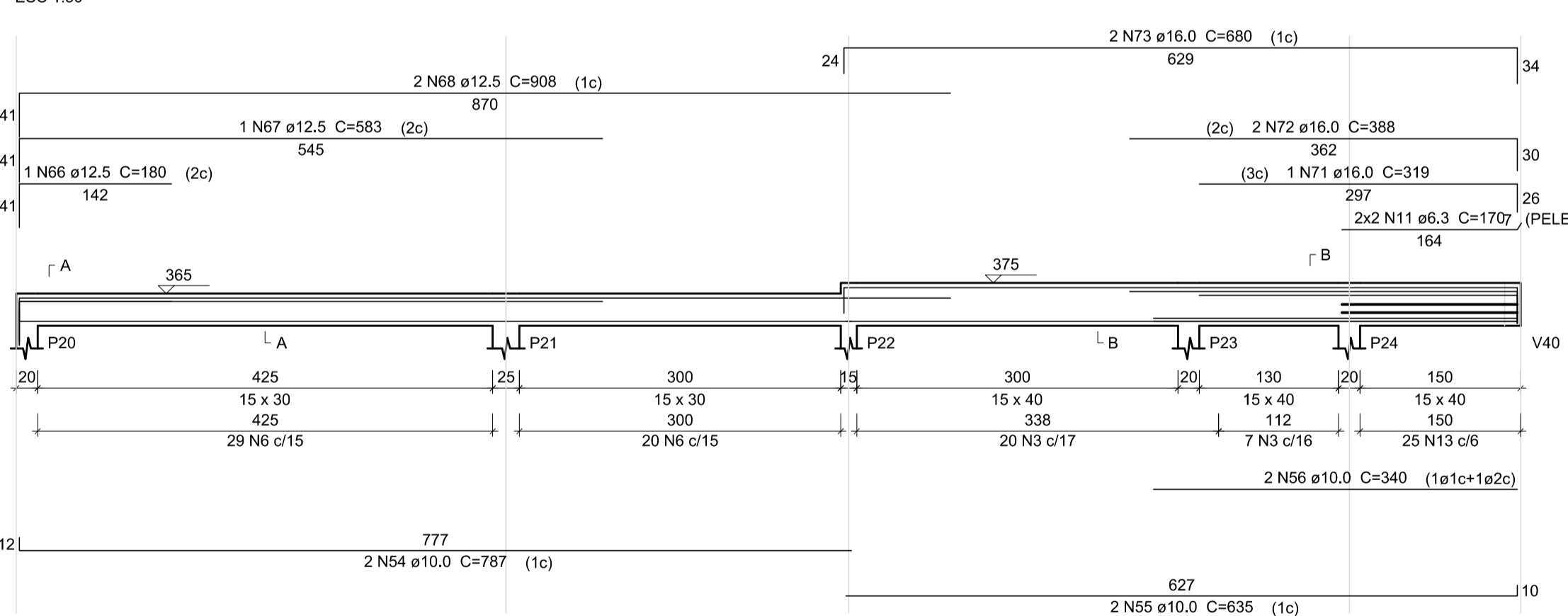
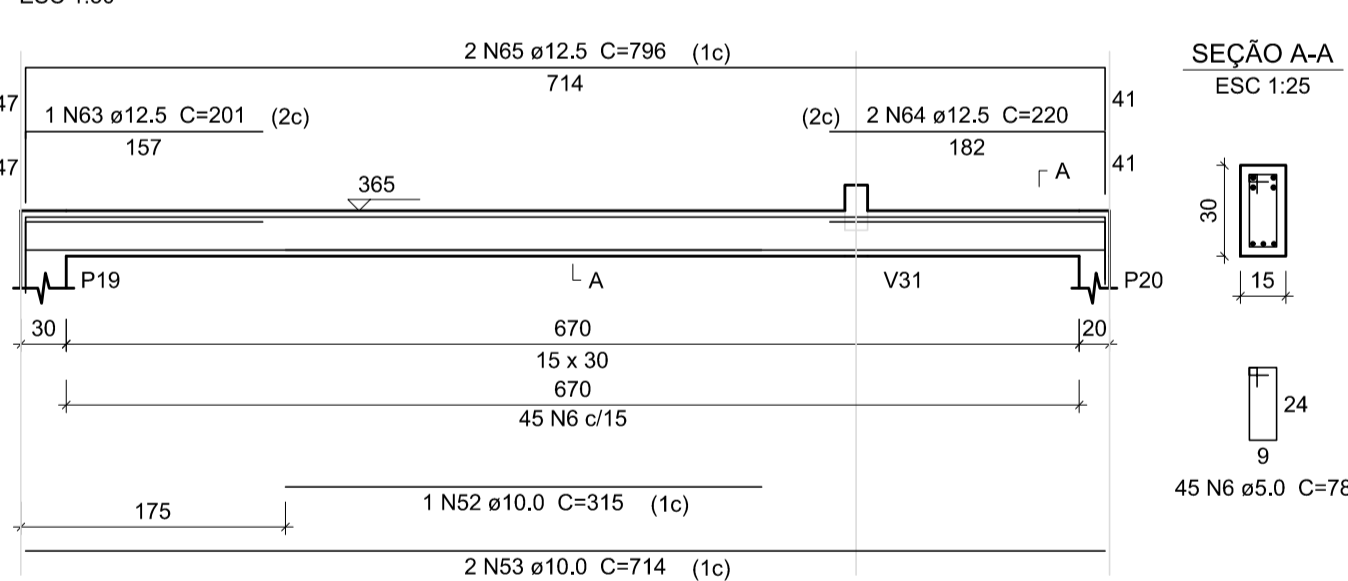
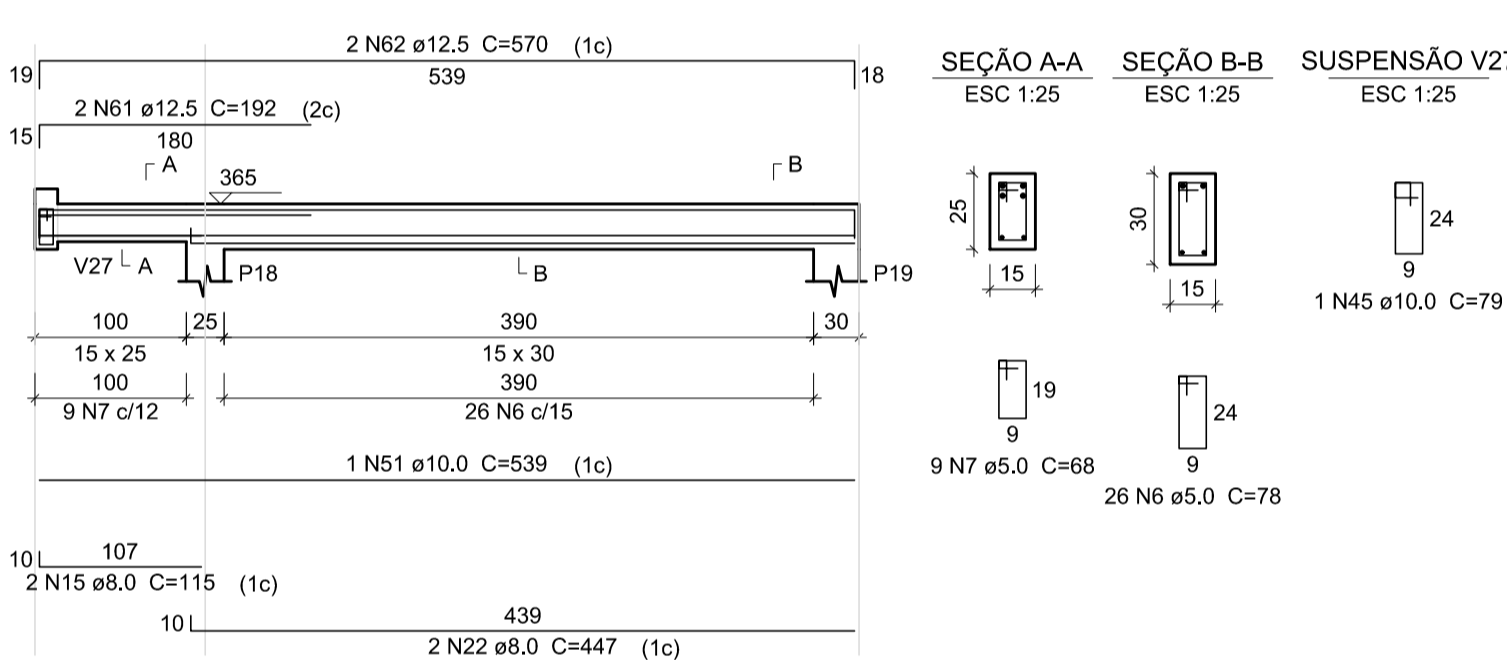
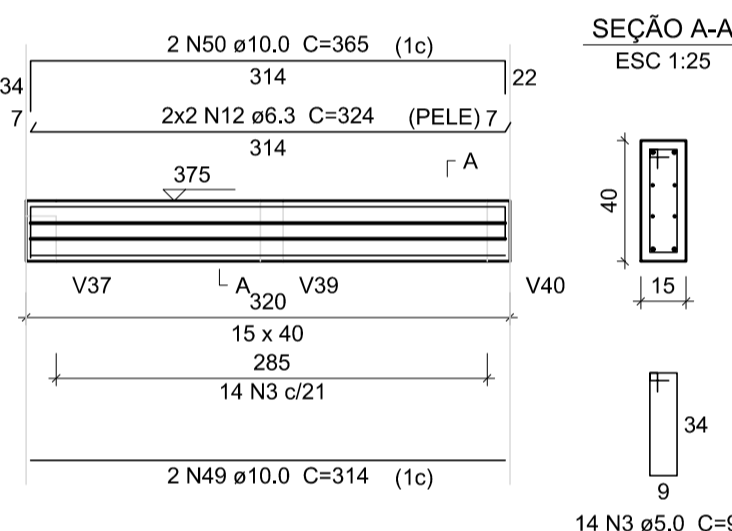
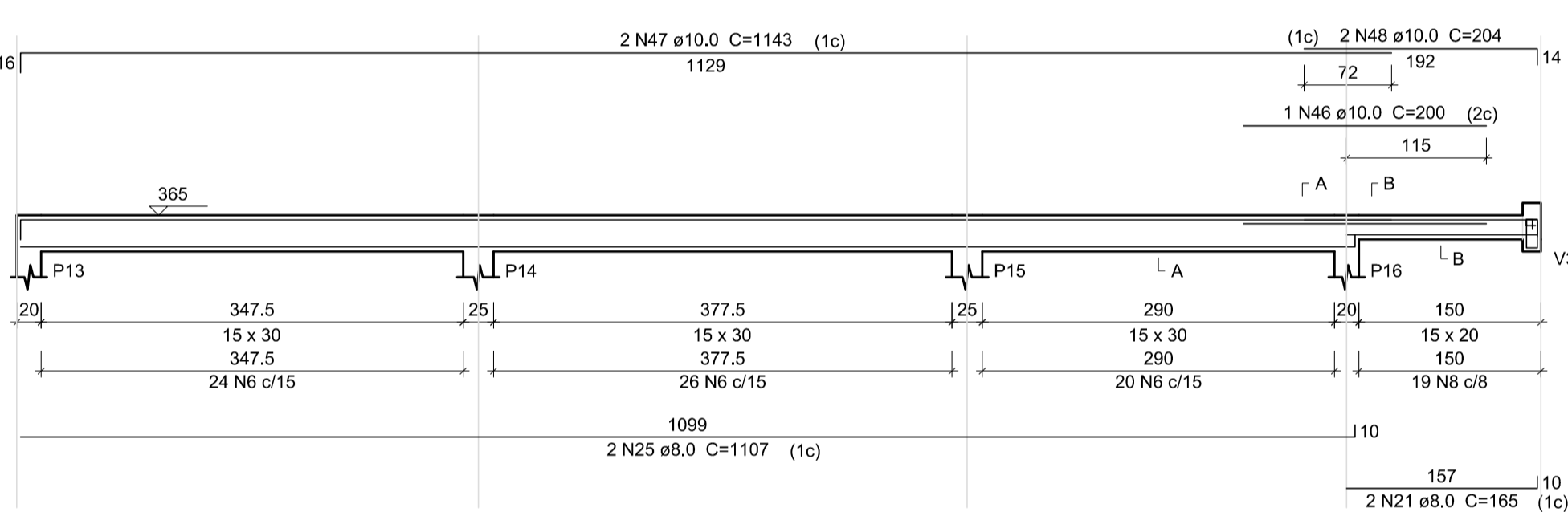
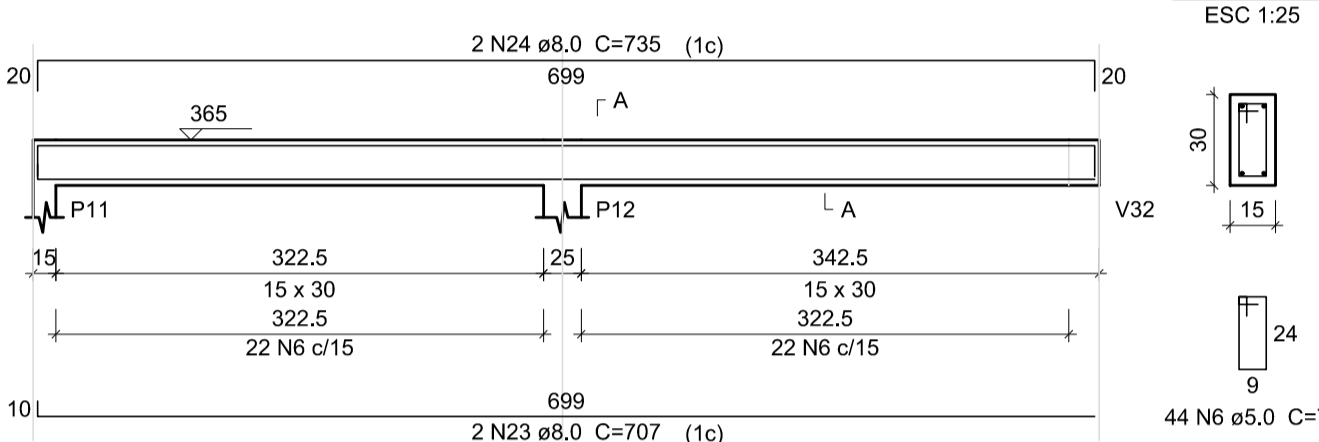
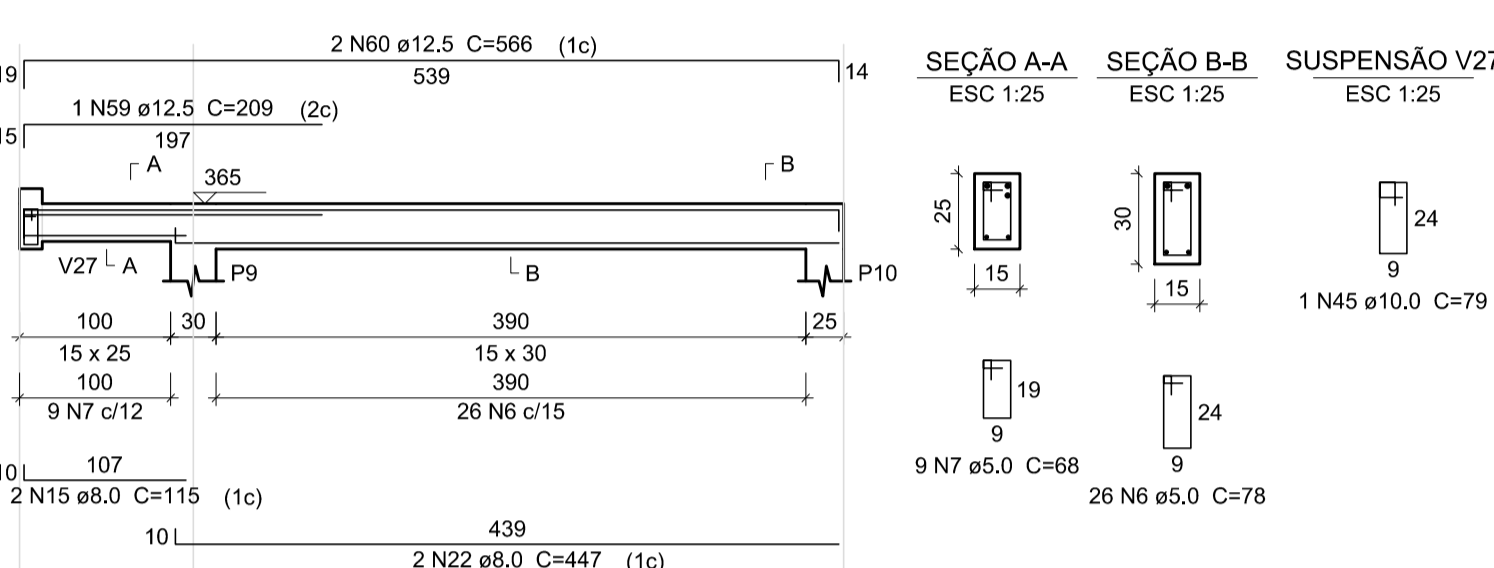
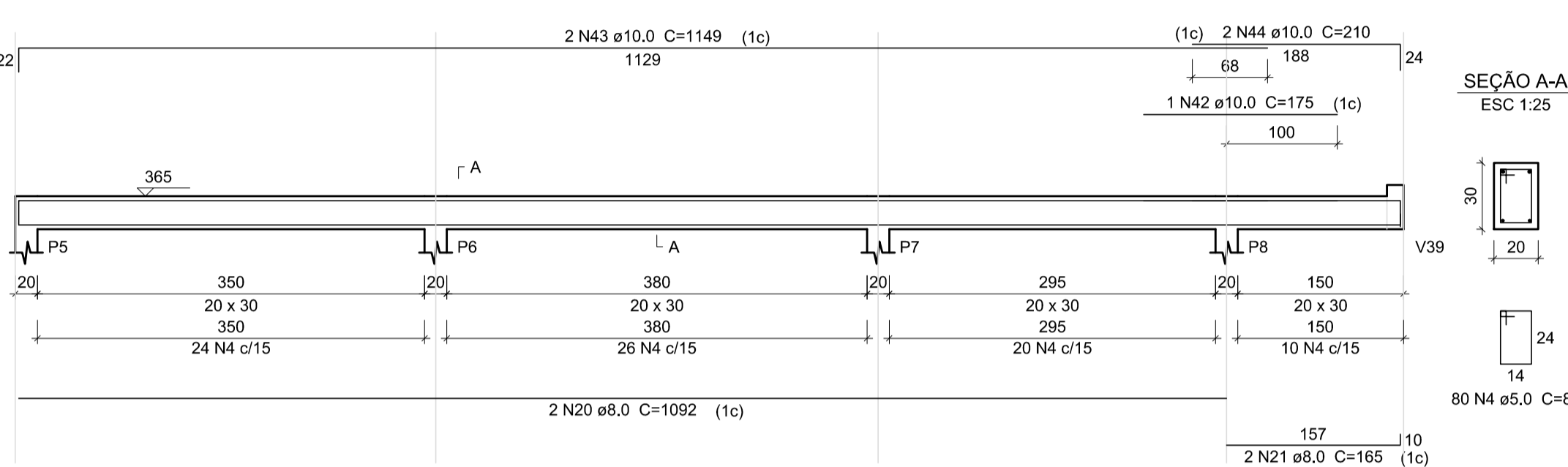


| Relação do aço |      |           |       |             |              |  |
|----------------|------|-----------|-------|-------------|--------------|--|
| V1             | V2   | V3        |       |             |              |  |
| V4             | V5   | V6        |       |             |              |  |
| V7             | V8   | V9        |       |             |              |  |
| V10            | V11  | V12       |       |             |              |  |
| V16            | V19  |           |       |             |              |  |
| AÇO            | N    | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |  |
| CA60           | 1    | 5.0       | 2     | 178         | 356          |  |
|                | 2    | 5.0       | 2     | 35          | 70           |  |
|                | 3    | 5.0       | 168   | 8           | 1664         |  |
|                | 4    | 5.0       | 152   | 88          | 13376        |  |
|                | 5    | 5.0       | 2     | 718         | 1436         |  |
| CA50           | 6    | 5.0       | 329   | 78          | 25662        |  |
|                | 7    | 5.0       | 18    | 68          | 1224         |  |
|                | 8    | 5.0       | 19    | 58          | 1102         |  |
|                | 9    | 6.3       | 2     | 423         | 846          |  |
|                | 10   | 6.3       | 2     | 480         | 960          |  |
|                | 11   | 6.3       | 8     | 170         | 1360         |  |
|                | 12   | 6.3       | 4     | 324         | 1296         |  |
|                | 13   | 6.3       | 25    | 98          | 2450         |  |
|                | 14   | 6.3       | 4     | 117         | 468          |  |
|                | 15   | 8.0       | 8     | 115         | 920          |  |
|                | 16   | 8.0       | 2     | 1115        | 2230         |  |
|                | 17   | 8.0       | 2     | 125         | 250          |  |
|                | 18   | 8.0       | 2     | 232         | 464          |  |
|                | 19   | 8.0       | 2     | 264         | 528          |  |
|                | 20   | 8.0       | 2     | 1092        | 2184         |  |
|                | 21   | 8.0       | 4     | 165         | 660          |  |
|                | 22   | 8.0       | 2     | 447         | 894          |  |
|                | 23   | 8.0       | 2     | 707         | 1414         |  |
|                | 24   | 8.0       | 2     | 735         | 1470         |  |
|                | 25   | 8.0       | 2     | 1107        | 2214         |  |
|                | 26   | 8.0       | 1     | 103         | 103          |  |
|                | 27   | 8.0       | 1     | 620         | 1240         |  |
|                | 28   | 8.0       | 2     | 607         | 1214         |  |
|                | 29   | 8.0       | 2     | 762         | 1524         |  |
|                | 30   | 8.0       | 2     | 107         | 214          |  |
| 31             | 8.0  | 2         | 216   | 432         |              |  |
| 32             | 8.0  | 2         | 244   | 488         |              |  |
| 33             | 10.0 | 4         | 157   | 628         |              |  |
| 34             | 10.0 | 4         | 274   | 548         |              |  |
| 35             | 10.0 | 2         | 593   | 1186        |              |  |
| 36             | 10.0 | 2         | 229   | 458         |              |  |
| 37             | 10.0 | 2         | 334   | 668         |              |  |
| 38             | 10.0 | 1         | 548   | 548         |              |  |
| 39             | 10.0 | 2         | 1152  | 2304        |              |  |
| 40             | 10.0 | 1         | 220   | 220         |              |  |
| 41             | 10.0 | 2         | 175   | 350         |              |  |
| 42             | 10.0 | 1         | 175   | 175         |              |  |
| 43             | 10.0 | 2         | 1149  | 2298        |              |  |
| 44             | 10.0 | 2         | 210   | 420         |              |  |
| 45             | 10.0 | 3         | 79    | 237         |              |  |
| 46             | 10.0 | 1         | 200   | 200         |              |  |
| 47             | 10.0 | 2         | 1143  | 2286        |              |  |
| 48             | 10.0 | 2         | 204   | 408         |              |  |
| 49             | 10.0 | 2         | 314   | 628         |              |  |
| 50             | 10.0 | 2         | 365   | 730         |              |  |
| 51             | 10.0 | 1         | 539   | 539         |              |  |
| 52             | 10.0 | 1         | 315   | 315         |              |  |
| 53             | 10.0 | 2         | 1714  | 3428        |              |  |
| 55             | 10.0 | 2         | 635   | 1270        |              |  |
| 56             | 10.0 | 2         | 340   | 680         |              |  |
| 57             | 10.0 | 2         | 205   | 410         |              |  |
| 58             | 10.0 | 2         | 709   | 1418        |              |  |
| 59             | 12.5 | 2         | 209   | 418         |              |  |
| 60             | 12.5 | 2         | 166   | 1132        |              |  |
| 61             | 12.5 | 2         | 92    | 184         |              |  |
| 62             | 12.5 | 2         | 570   | 1140        |              |  |
| 63             | 12.5 | 1         | 201   | 201         |              |  |
| 64             | 12.5 | 2         | 220   | 440         |              |  |
| 65             | 12.5 | 2         | 796   | 1592        |              |  |
| 66             | 12.5 | 1         | 180   | 180         |              |  |
| 67             | 12.5 | 1         | 583   | 583         |              |  |
| 68             | 12.5 | 2         | 908   | 1816        |              |  |
| 69             | 12.5 | 1         | 245   | 245         |              |  |
| 70             | 12.5 | 2         | 763   | 1526        |              |  |
| 71             | 16.0 | 1         | 319   | 319         |              |  |
| 72             | 16.0 | 2         | 888   | 1776        |              |  |
| 73             | 16.0 | 2         | 680   | 1360        |              |  |



|                |  |   |           |
|----------------|--|---|-----------|
| obra:          |  | Pavilhão das Cuqueiras  |           |
| local:         |  | Rua Júlio Kohlrusch, 524 - Rolante/RS                               |           |
| prancha:       |  | Estrutural - Produção e vendas - Detalham. vigas da cobertura (1/4) |           |
| extensão/área: |  | escala:   | n°:       |
| 665,10m²       |  | escala:   | 13/30     |
|                |  | unidade:  | data:     |
|                |  | indicada  | FEV./2016 |
|                |  | centímetro  |           |