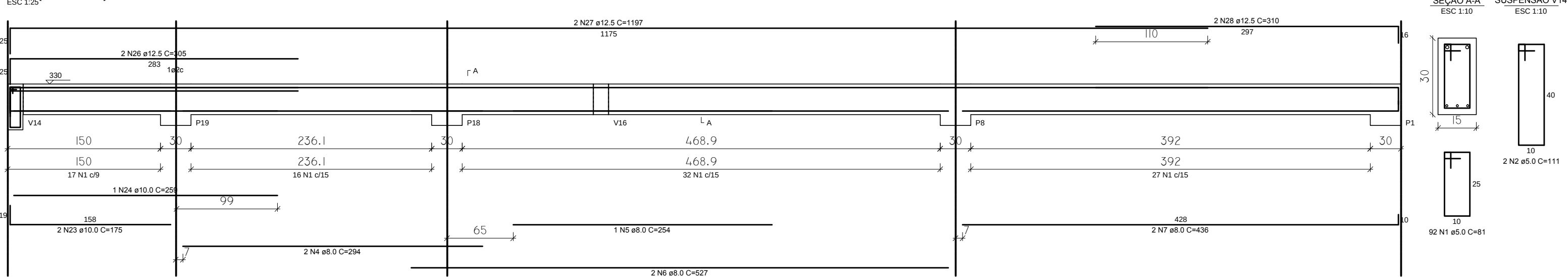
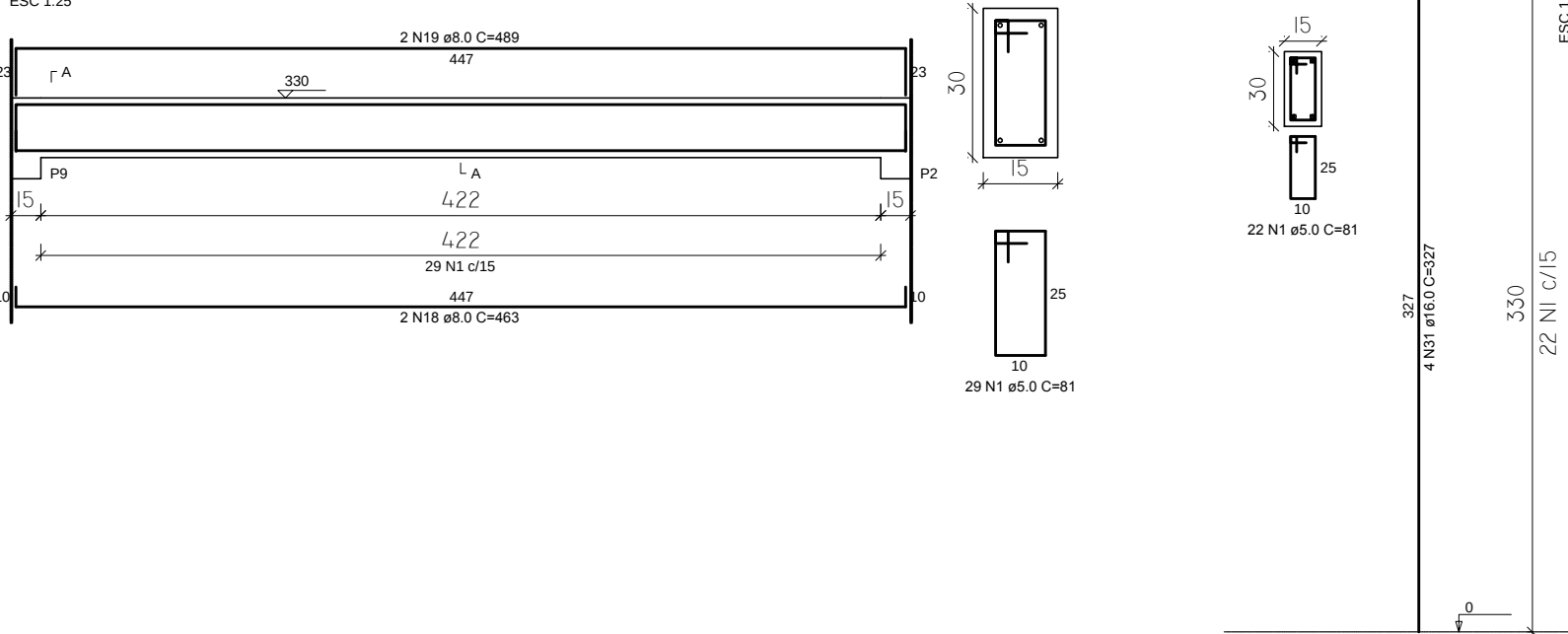


V7 (15 x 30)

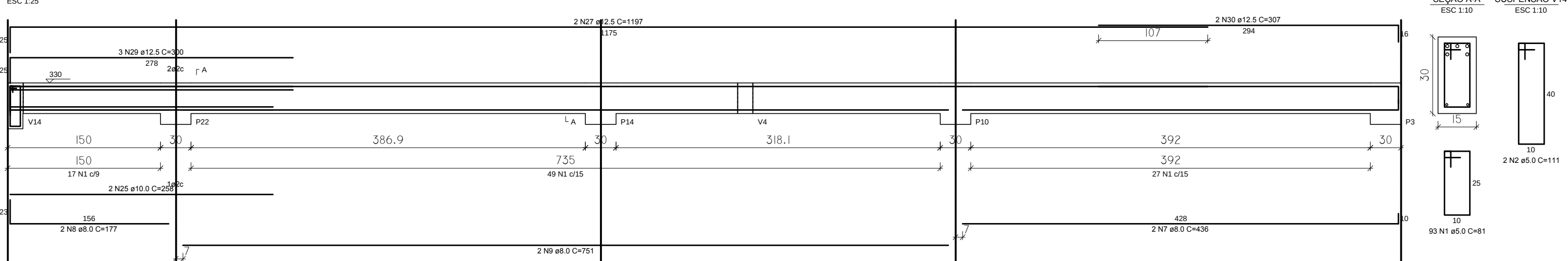


V17 (15 x 30)

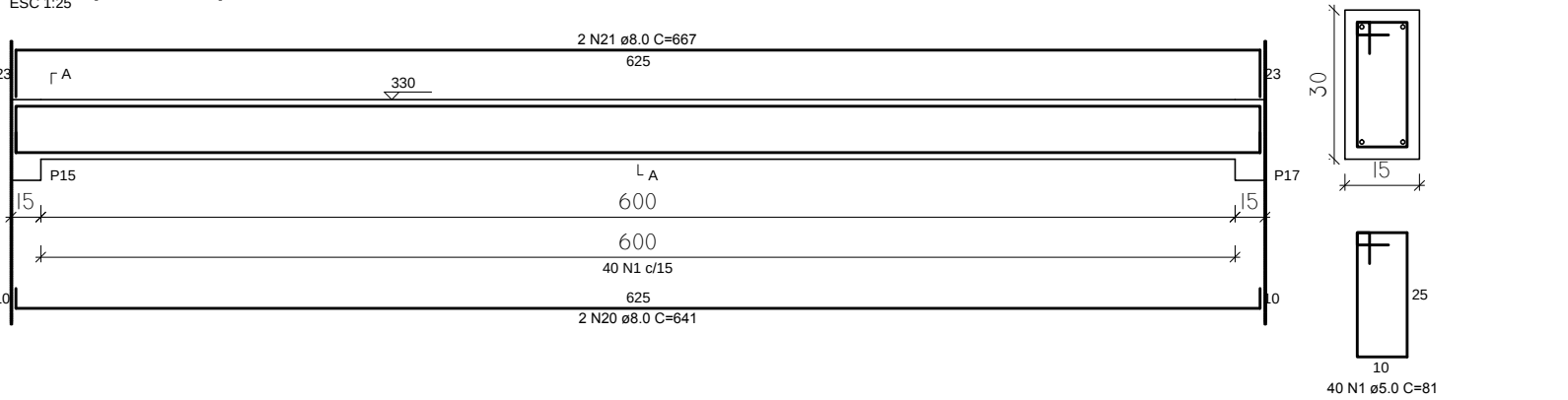


| RELAÇÃO DO AÇO |    |           |       |             |              |
|----------------|----|-----------|-------|-------------|--------------|
| AÇO            | N  | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
| CA60           | 1  | 5.0       | 386   | 81          | 31266        |
|                | 2  | 5.0       | 4     | 111         | 444          |
|                | 3  | 5.0       | 7     | 111         | 777          |
| CA50           | 4  | 8.0       | 7     | 294         | 588          |
|                | 5  | 8.0       | 1     | 254         | 254          |
|                | 6  | 8.0       | 2     | 527         | 1054         |
|                | 7  | 8.0       | 4     | 436         | 1744         |
|                | 8  | 8.0       | 2     | 177         | 354          |
|                | 9  | 8.0       | 2     | 751         | 1502         |
|                | 10 | 8.0       | 2     | 216         | 432          |
|                | 11 | 8.0       | 2     | 445         | 890          |
|                | 12 | 8.0       | 2     | 376         | 752          |
|                | 13 | 8.0       | 2     | 451         | 902          |
|                | 14 | 8.0       | 1     | 640         | 640          |
|                | 15 | 8.0       | 1     | 160         | 160          |
|                | 16 | 8.0       | 2     | 1198        | 2396         |
|                | 17 | 8.0       | 2     | 292         | 584          |
|                | 18 | 8.0       | 2     | 463         | 926          |
|                | 19 | 8.0       | 2     | 489         | 978          |
|                | 20 | 8.0       | 2     | 641         | 1282         |
|                | 21 | 8.0       | 2     | 667         | 1334         |
|                | 22 | 10.0      | 6     | 327         | 1962         |
|                | 23 | 10.0      | 2     | 175         | 350          |
|                | 24 | 10.0      | 1     | 259         | 259          |
|                | 25 | 10.0      | 2     | 258         | 516          |
|                | 26 | 12.5      | 2     | 305         | 610          |
|                | 27 | 12.5      | 4     | 1197        | 4788         |
|                | 28 | 12.5      | 2     | 310         | 620          |
|                | 29 | 12.5      | 3     | 300         | 900          |
|                | 30 | 12.5      | 2     | 307         | 614          |
|                | 31 | 16.0      | 4     | 327         | 1308         |

V10 (15 x 30)



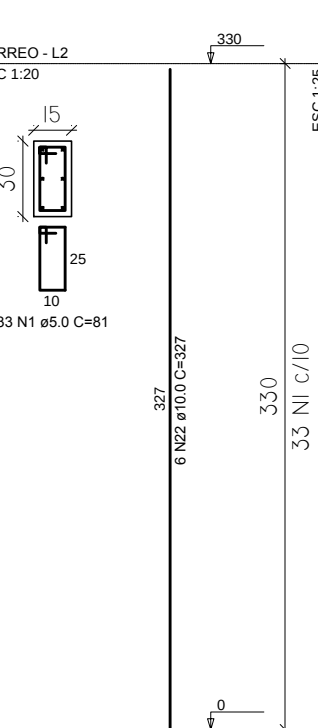
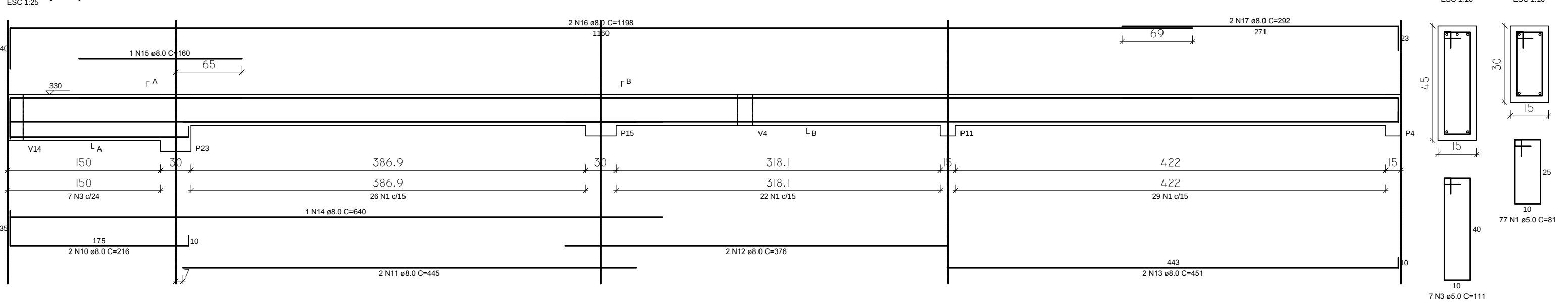
V18 (15 x 30)



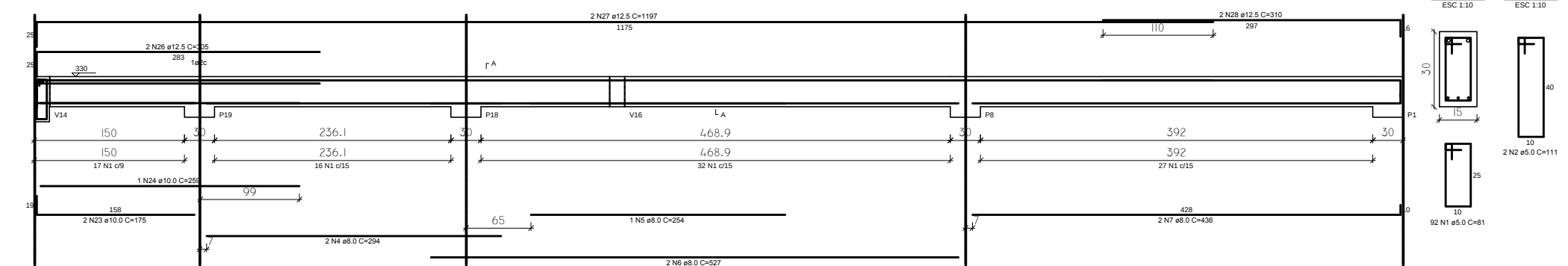
| RESUMO DO AÇO   |           |             |                 |
|-----------------|-----------|-------------|-----------------|
| AÇO             | DIAM (mm) | C.TOTAL (m) | PESO + 10% (kg) |
| CA50            | 8.0       | 167.7       | 72.8            |
|                 | 10.0      | 30.9        | 20.9            |
|                 | 12.5      | 75.3        | 79.8            |
|                 | 16.0      | 13.1        | 22.7            |
| CA60            | 5.0       | 324.9       | 55.1            |
| PESO TOTAL (kg) |           |             |                 |
| CA50            | 196.3     |             |                 |
| CA60            | 55.1      |             |                 |

Volume de concreto (C-20) = 2.67 m³  
Área de forma = 45.31 m²

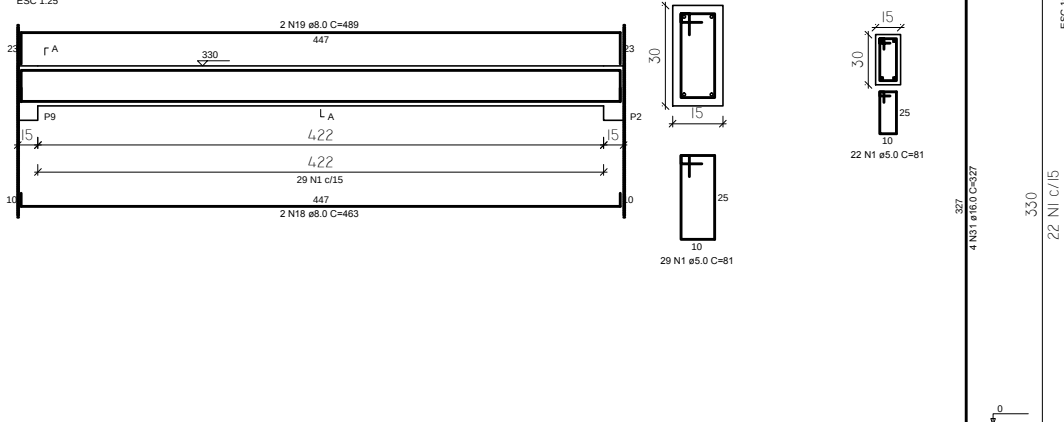
V11 (var)



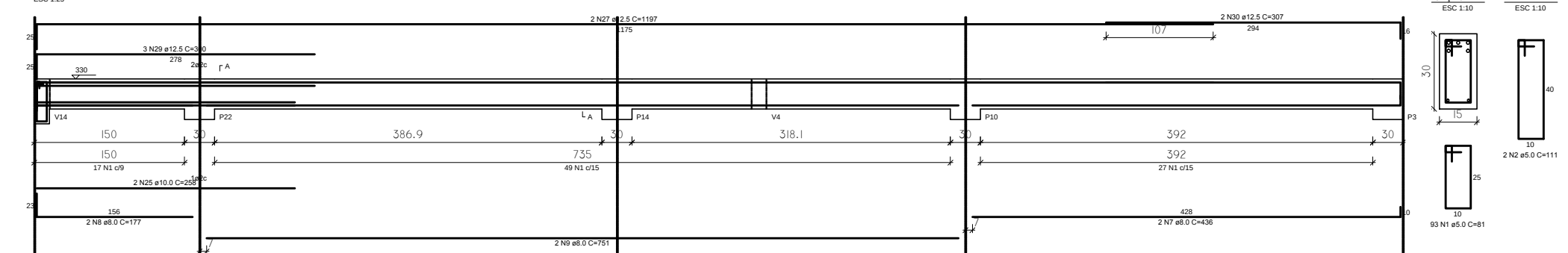
V7 (15 x 30)



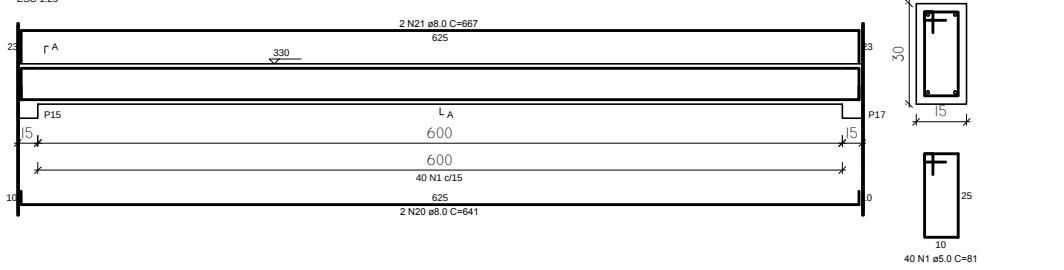
V17 (15 x 30)



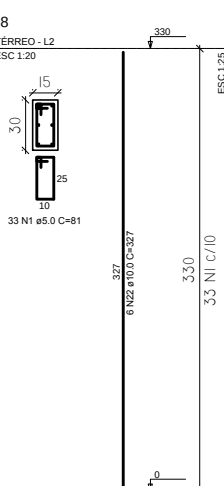
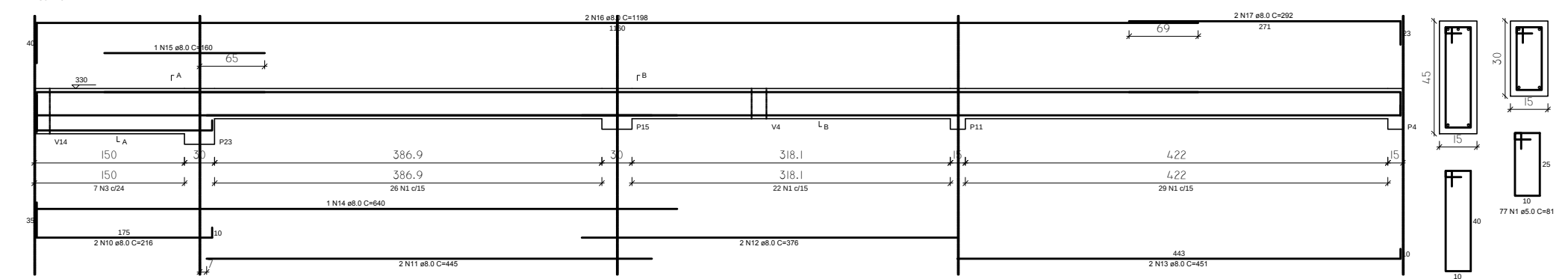
V10 (15 x 30)



V18 (15 x 30)



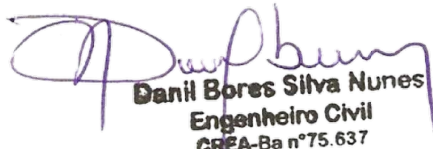
V11 (var)



| RELAÇÃO DO AÇO |    |           |       |             |              |
|----------------|----|-----------|-------|-------------|--------------|
| AÇO            | N  | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
| CA60           | 1  | 5.0       | 135   | 81          | 10935        |
|                | 2  | 5.0       | 91    | 111         | 10101        |
|                | 3  | 5.0       | 1     | 111         | 111          |
| CA50           | 4  | 6.3       | 6     | 163         | 978          |
|                | 5  | 6.3       | 6     | 163         | 978          |
|                | 6  | 8.0       | 2     | 472         | 944          |
|                | 7  | 8.0       | 2     | 418         | 836          |
|                | 8  | 8.0       | 2     | 477         | 954          |
|                | 9  | 8.0       | 2     | 1113        | 2226         |
|                | 10 | 8.0       | 2     | 187         | 374          |
|                | 11 | 8.0       | 1     | 385         | 385          |
|                | 12 | 8.0       | 1     | 525         | 525          |
|                | 13 | 8.0       | 2     | 751         | 1502         |
|                | 14 | 8.0       | 2     | 361         | 722          |
|                | 15 | 8.0       | 1     | 555         | 555          |
|                | 16 | 8.0       | 2     | 779         | 1558         |
|                | 17 | 8.0       | 2     | 128         | 256          |
|                | 18 | 8.0       | 2     | 177         | 354          |
|                | 19 | 8.0       | 2     | 763         | 1526         |
|                | 20 | 8.0       | 1     | 225         | 225          |
|                | 21 | 8.0       | 1     | 343         | 343          |
|                | 22 | 8.0       | 2     | 954         | 1908         |
|                | 23 | 10.0      | 2     | 184         | 368          |
|                | 24 | 10.0      | 2     | 1175        | 2350         |
|                | 25 | 10.0      | 2     | 203         | 406          |
|                | 26 | 10.0      | 2     | 184         | 368          |
|                | 27 | 10.0      | 2     | 898         | 1796         |

| RESUMO DO AÇO   |           |             |                 |
|-----------------|-----------|-------------|-----------------|
| AÇO             | DIAM (mm) | C.TOTAL (m) | PESO + 10% (kg) |
| CA50            | 6.3       | 19.6        | 5.3             |
|                 | 8.0       | 151.9       | 65.9            |
|                 | 10.0      | 52.9        | 35.9            |
| CA60            | 5.0       | 211.5       | 35.9            |
| PESO TOTAL (kg) |           |             |                 |
| CA50            | 107.1     |             |                 |
| CA60            | 35.9      |             |                 |

Volume de concreto (C-20) = 2.44 m³  
Área de forma = 39.01 m²

  
Danilo Boreis Silva Nunes  
Engenheiro Civil  
CREA-Ba nº 75.637/D

PROPRIETÁRIO:  
RESP. TÉCNICO : Engº CIVIL DANIL BORES SILVA NUNES  
Crea-BA 75.637/D

| TÍTULO                                          |  |                                     | PRANCHA : |
|-------------------------------------------------|--|-------------------------------------|-----------|
| PROJETO - CENTRAL TURÍSTICA                     |  |                                     | 13        |
| ESTRUTURAL - TÉRREO 2                           |  |                                     |           |
| PROPRIETÁRIO - PREFEITURA MUNICIPAL DE IRAQUARA |  | EDIFICAÇÕES                         |           |
|                                                 |  | ÁREA DO TERRENO:                    |           |
| ENDEREÇO - SEDE DO MUNICÍPIO                    |  | ÁREA CONSTRUÍDA:                    |           |
|                                                 |  | ÁREA TOTAL UTIL:                    |           |
| DATA : MAIO / 2018                              |  | DESENHO: Borys-boryscivil@gmail.com |           |
|                                                 |  | ESCALA : INDICADA                   |           |