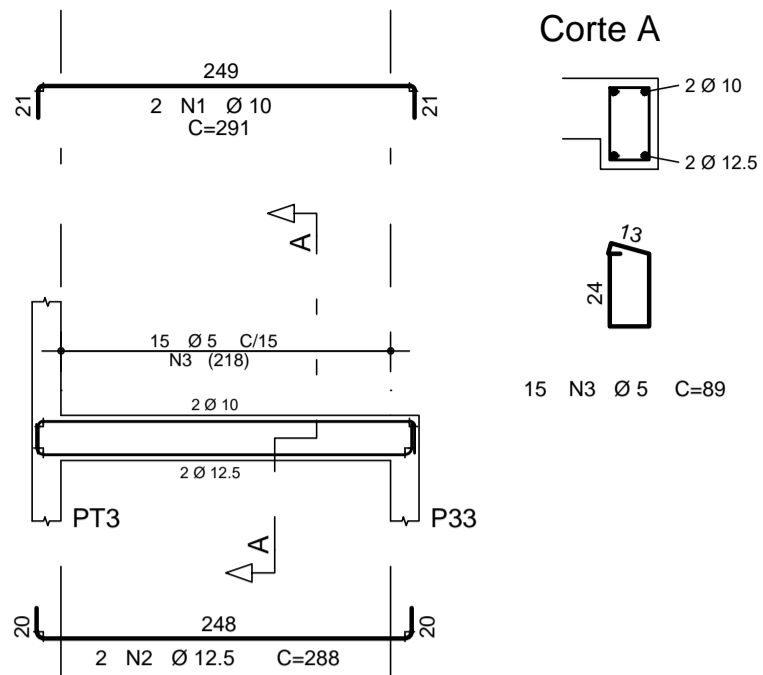
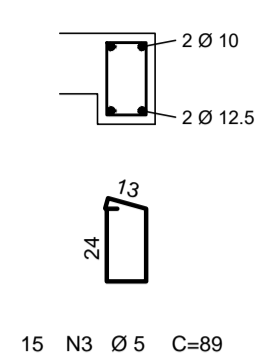


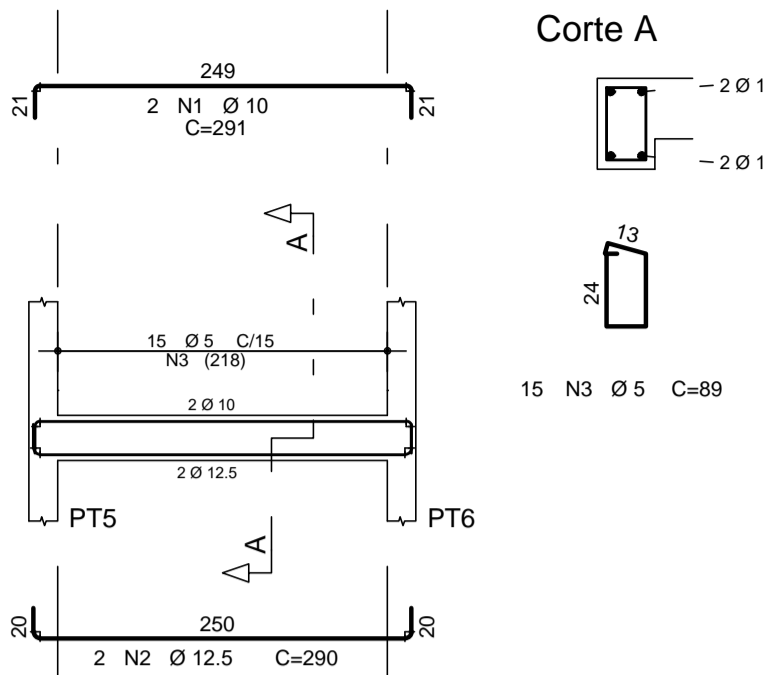
V601 19/30



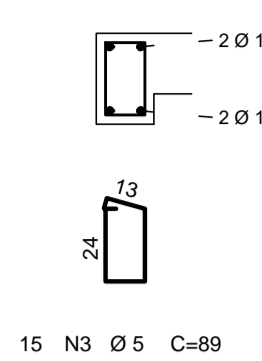
Corte A



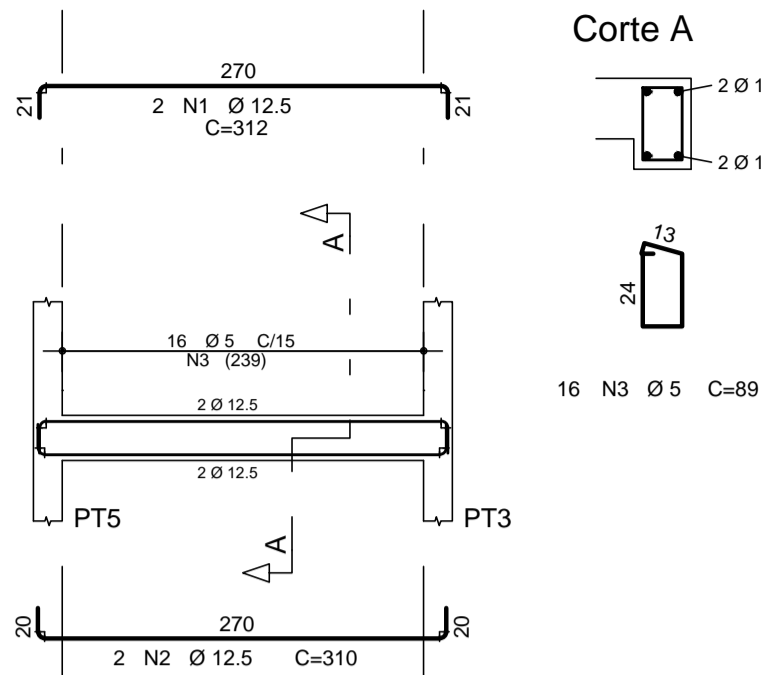
V602 19/30



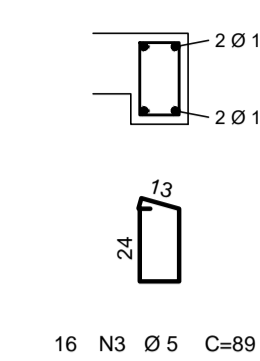
Corte A



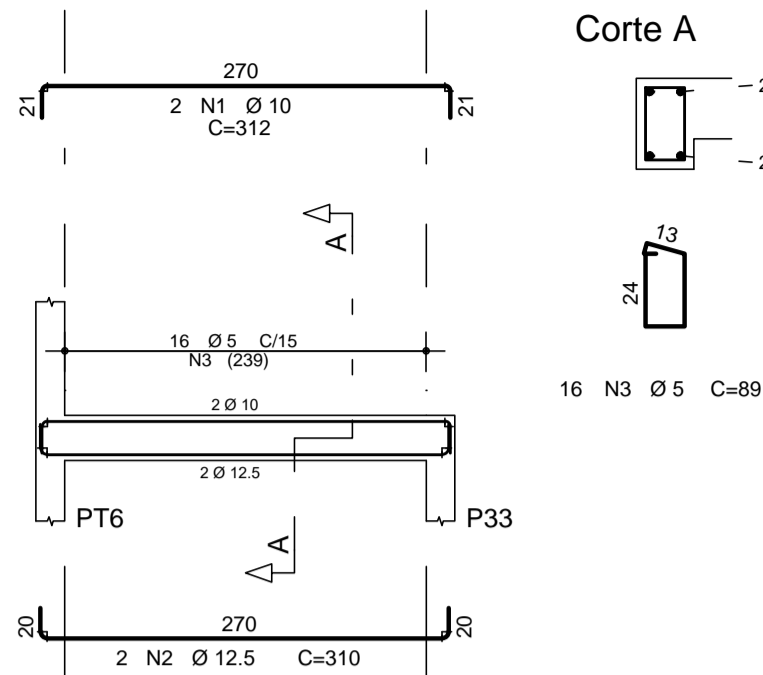
V603 19/30



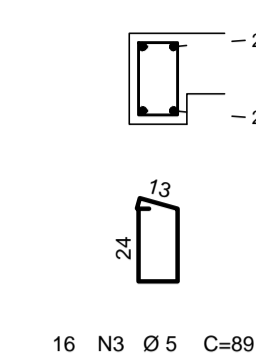
Corte A



V604 19/30



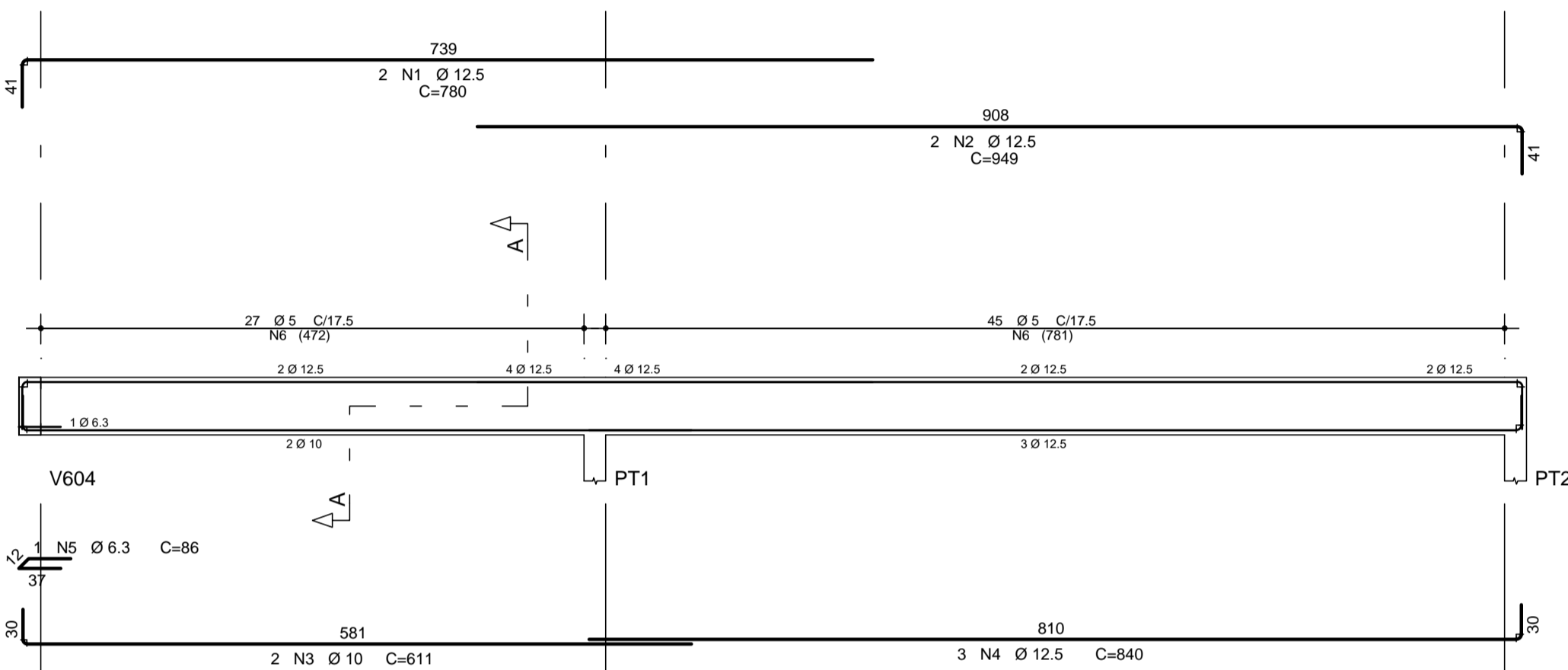
Corte A



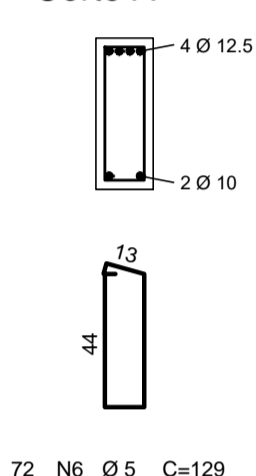
| AÇO | POS | BIT (mm) | QUANT | COMPRIMENTO | |
|-------------|-----|----------|-------|-------------|------------|
| | | | | UNIT (cm) | TOTAL (cm) |
| V601 | | | | | |
| 50A | 1 | 10 | 2 | 291 | 582 |
| 50A | 2 | 12.5 | 2 | 288 | 576 |
| 60B | 3 | 5 | 15 | 89 | 1335 |
| V602 | | | | | |
| 50A | 1 | 10 | 2 | 291 | 582 |
| 50A | 2 | 12.5 | 2 | 290 | 580 |
| 60B | 3 | 5 | 15 | 89 | 1335 |
| V603 | | | | | |
| 50A | 1 | 12.5 | 2 | 312 | 624 |
| 50A | 2 | 12.5 | 2 | 310 | 620 |
| 60B | 3 | 5 | 16 | 89 | 1424 |
| V604 | | | | | |
| 50A | 1 | 10 | 2 | 312 | 624 |
| 50A | 2 | 12.5 | 2 | 310 | 620 |
| 60B | 3 | 5 | 16 | 89 | 1424 |

| RESUMO AÇO CA 50-60 | | | |
|----------------------|----------|-----------|-----------|
| AÇO | BIT (mm) | COMPR (m) | PESO (kg) |
| 60B | 5 | 55 | 8 |
| 50A | 10 | 18 | 11 |
| 50A | 12.5 | 30 | 29 |
| Peso Total 60B = | | | 8 kg |
| Peso Total 50A = | | | 40 kg |
| Volume de Concreto = | | | 0,60 m3 |

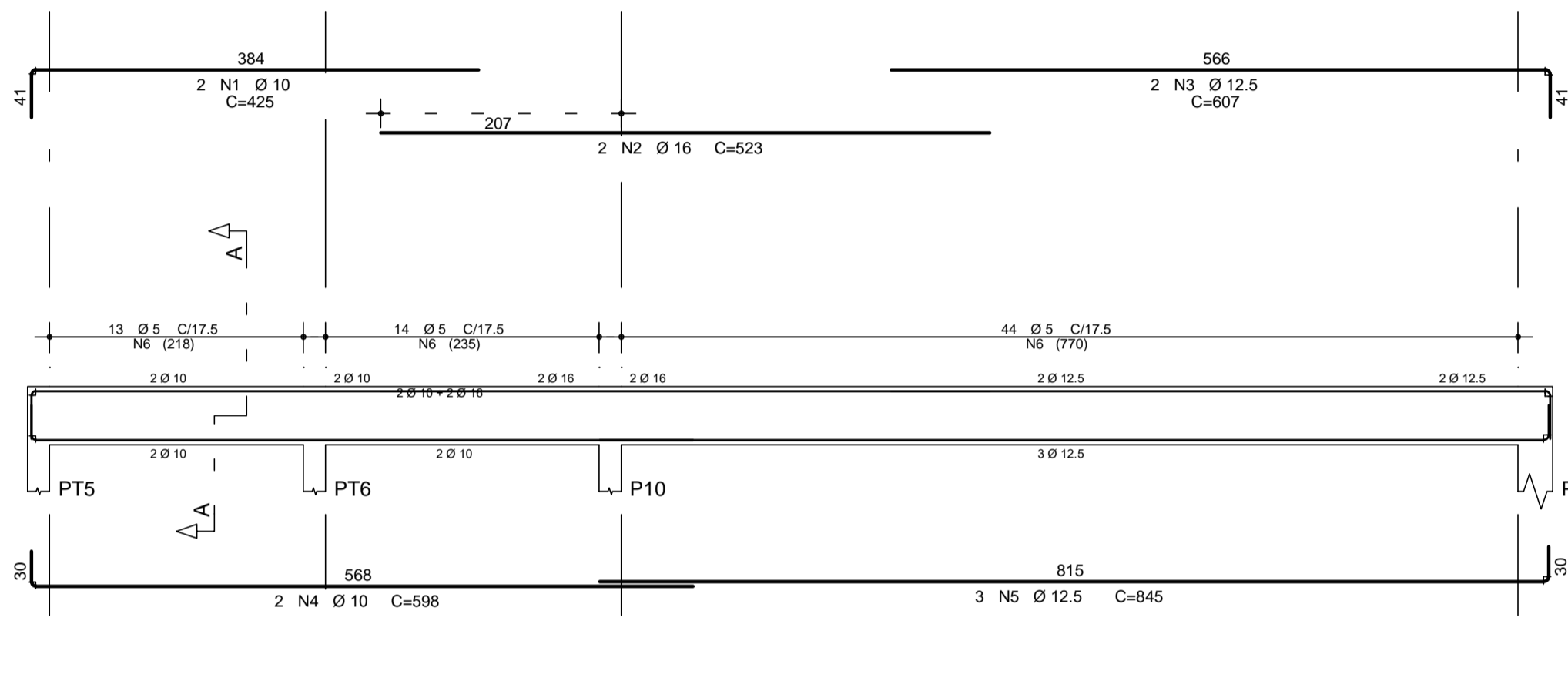
V701 19/50



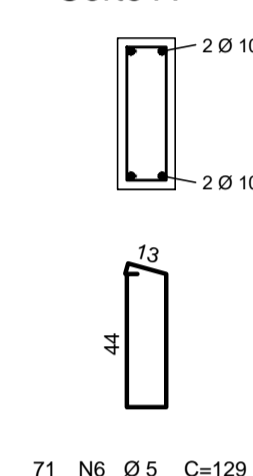
Corte A



V702 19/50



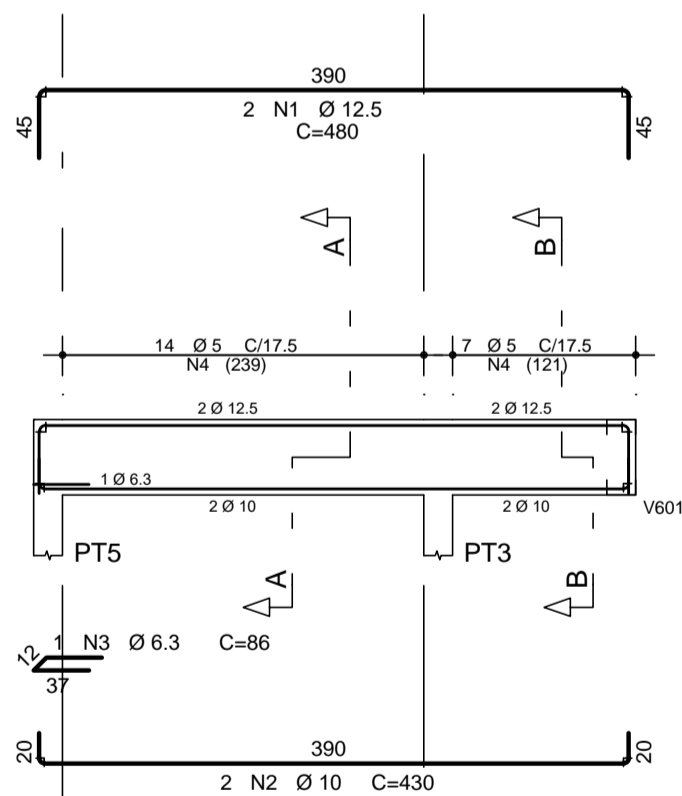
Corte A



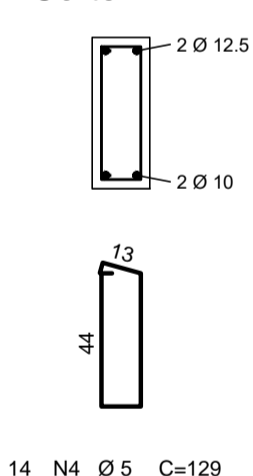
| AÇO | POS | BIT (mm) | QUANT | COMPRIMENTO | |
|-------------|-----|----------|-------|-------------|------------|
| | | | | UNIT (cm) | TOTAL (cm) |
| V701 | | | | | |
| 50A | 1 | 12.5 | 2 | 780 | 1560 |
| 50A | 2 | 12.5 | 2 | 949 | 1898 |
| 50A | 3 | 10 | 2 | 611 | 1222 |
| 50A | 4 | 12.5 | 3 | 840 | 2520 |
| 50A | 5 | 6.3 | 1 | 86 | 86 |
| 60B | 6 | 5 | 72 | 129 | 9288 |
| V702 | | | | | |
| 50A | 1 | 10 | 2 | 425 | 850 |
| 50A | 2 | 16 | 2 | 523 | 1046 |
| 50A | 3 | 12.5 | 2 | 607 | 1214 |
| 50A | 4 | 10 | 2 | 598 | 1196 |
| 50A | 5 | 12.5 | 3 | 845 | 2535 |
| 60B | 6 | 5 | 71 | 129 | 9159 |
| V703 | | | | | |
| 50A | 1 | 12.5 | 2 | 480 | 960 |
| 50A | 2 | 10 | 2 | 430 | 860 |
| 50A | 3 | 6.3 | 1 | 86 | 86 |
| 60B | 4 | 5 | 21 | 129 | 2709 |
| V704 | | | | | |
| 50A | 1 | 12.5 | 2 | 432 | 864 |
| 50A | 2 | 12.5 | 2 | 462 | 924 |
| 60B | 3 | 5 | 24 | 89 | 2136 |

| RESUMO AÇO CA 50-60 | | | |
|----------------------|----------|-----------|-----------|
| AÇO | BIT (mm) | COMPR (m) | PESO (kg) |
| 60B | 5 | 233 | 36 |
| 50A | 6.3 | 2 | 0 |
| 50A | 10 | 41 | 25 |
| 50A | 12.5 | 125 | 120 |
| 50A | 16 | 10 | 17 |
| Peso Total 60B = | | | 36 kg |
| Peso Total 50A = | | | 163 kg |
| Volume de Concreto = | | | 3,00 m3 |

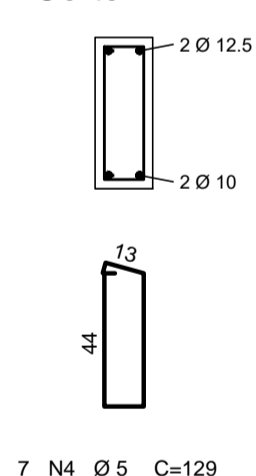
V703 19/50



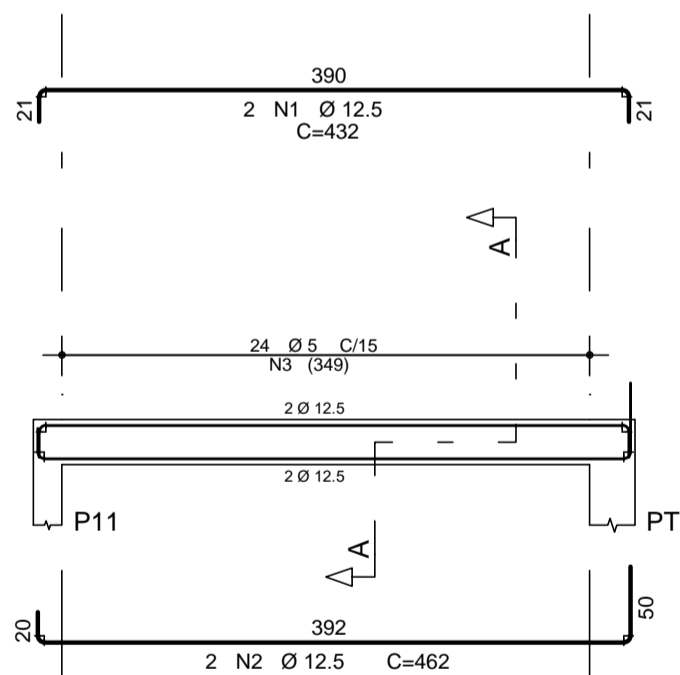
Corte A



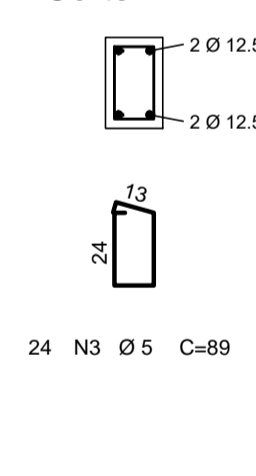
Corte B



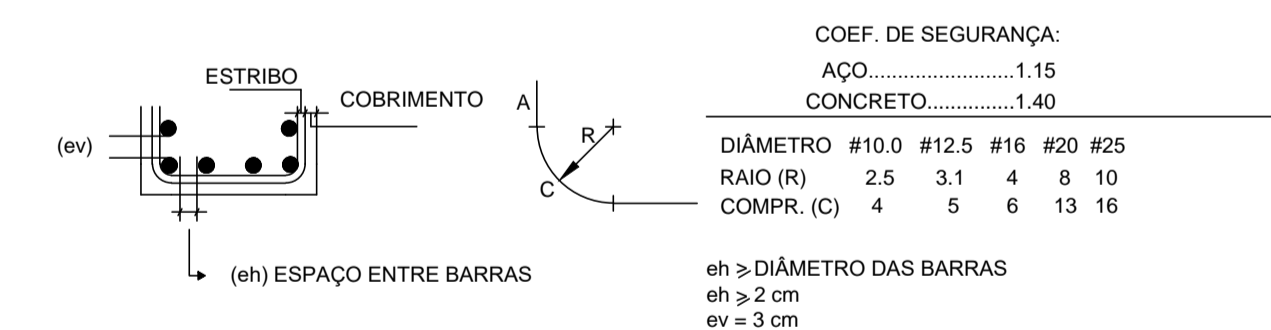
V704 19/30



Corte A



DOBRAS E DIST. ENTRE BARRAS



| EQUIPE TÉCNICA DIV. TEC. DE PROJETOS - EDIF. 3 | | ASSINATURA |
|--|---|------------|
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| RESPONSÁVEL PELA CONTRATADA | ENG. EDUARDO JOSÉ B. O. PRATA - CREA Nº 5061939774 | |

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PMSP - SIURB - EDIF

PREFEITURA DE SÃO PAULO - SECRETARIA DE INFRA-ESTRUTURA URBANA E OBRAS - DEPARTAMENTO DE EDIFICAÇÕES

CEI PADRÃO EDIF 2019 10S (NORMAL)

VÁRIOS - SP 16.91.125-SE 023.S.19

PROJETO ESTRUTURAL - CONCRETO ARMADO SUPRAESTRUTURA

DET. ARMAÇÃO DAS VIGAS - V600 E V700

S - 22/32