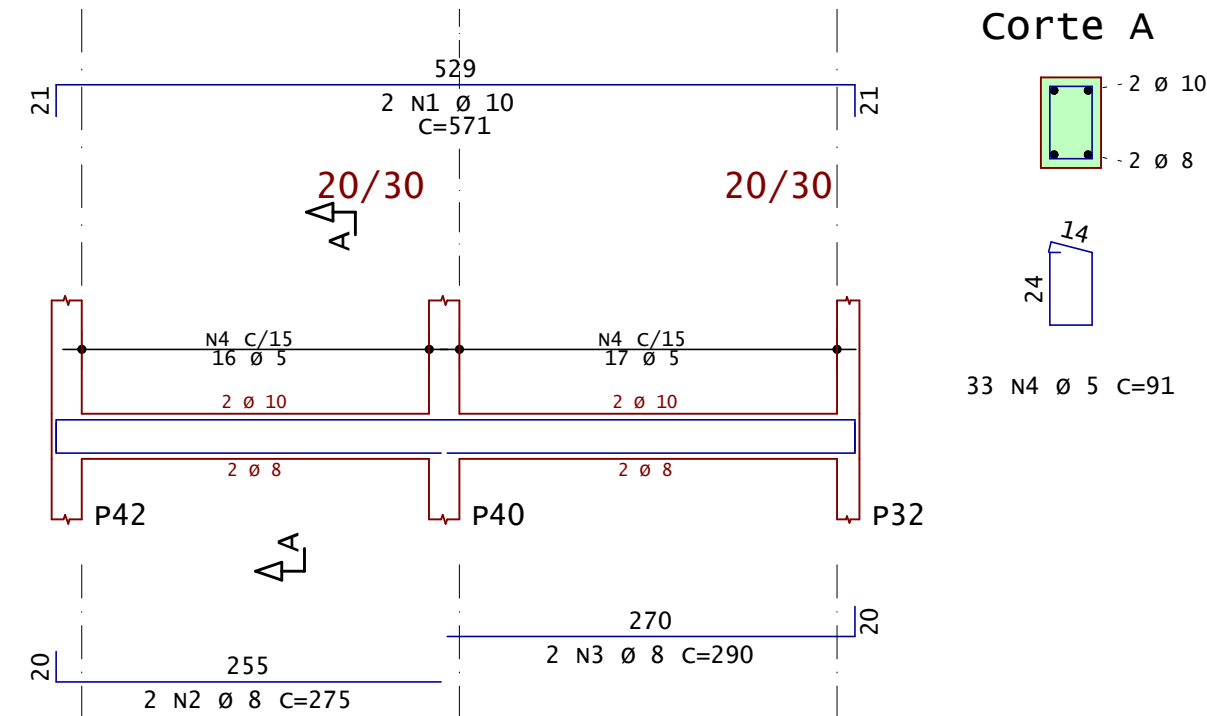
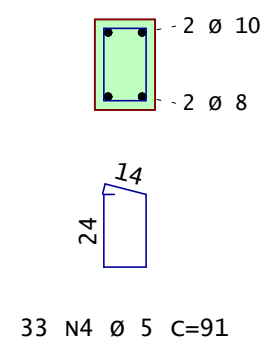


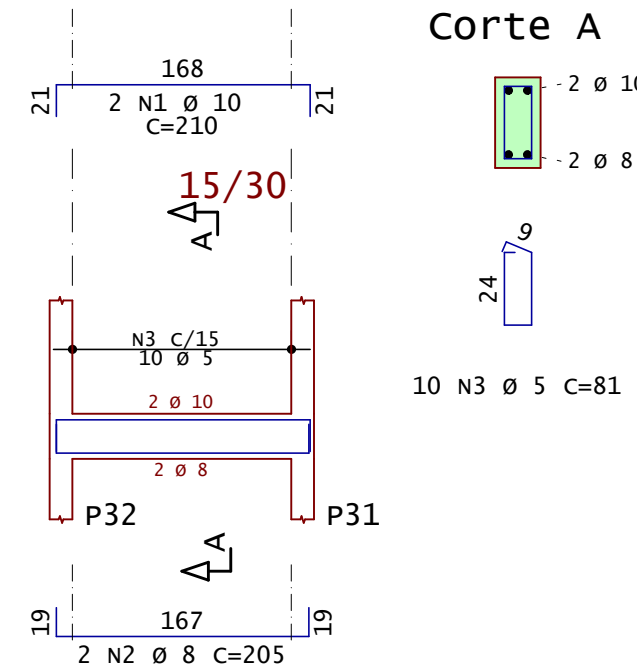
v117



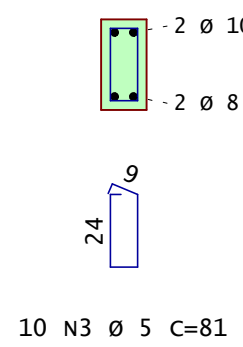
Corte A



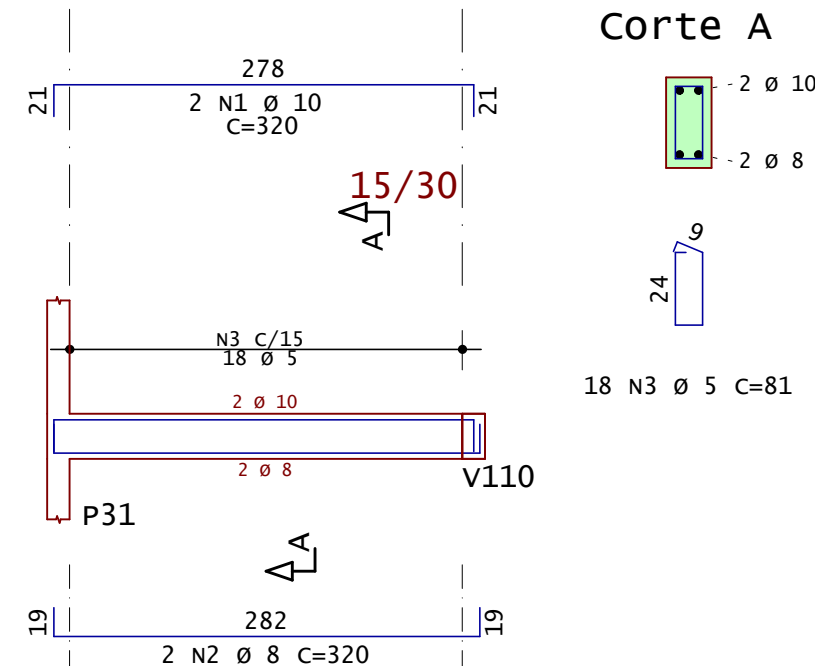
v118



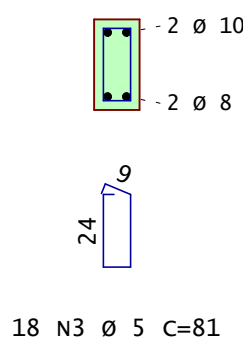
Corte A



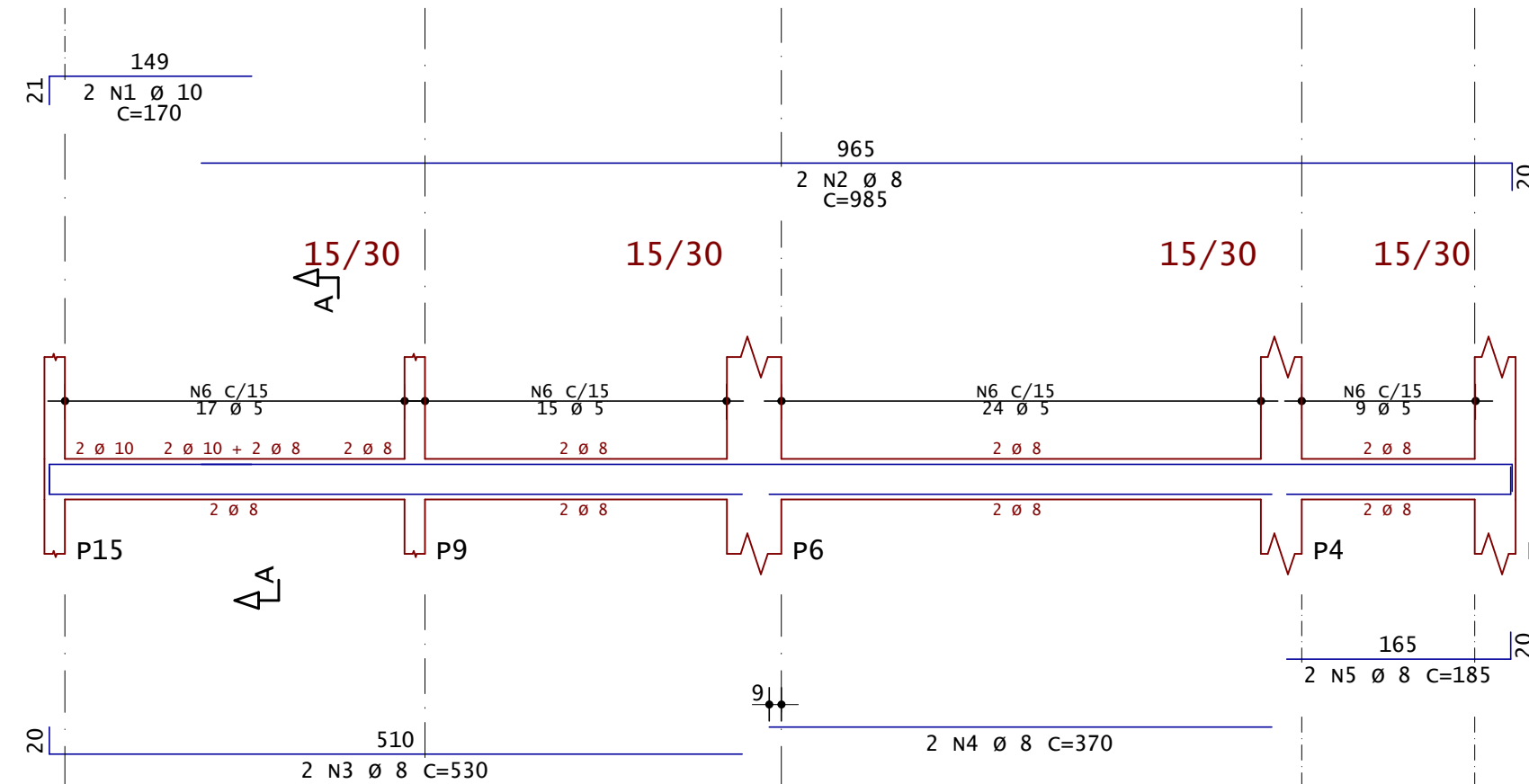
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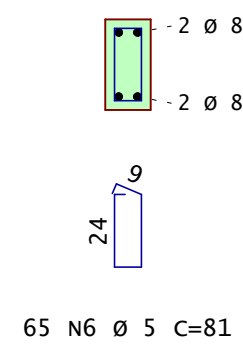
Corte A



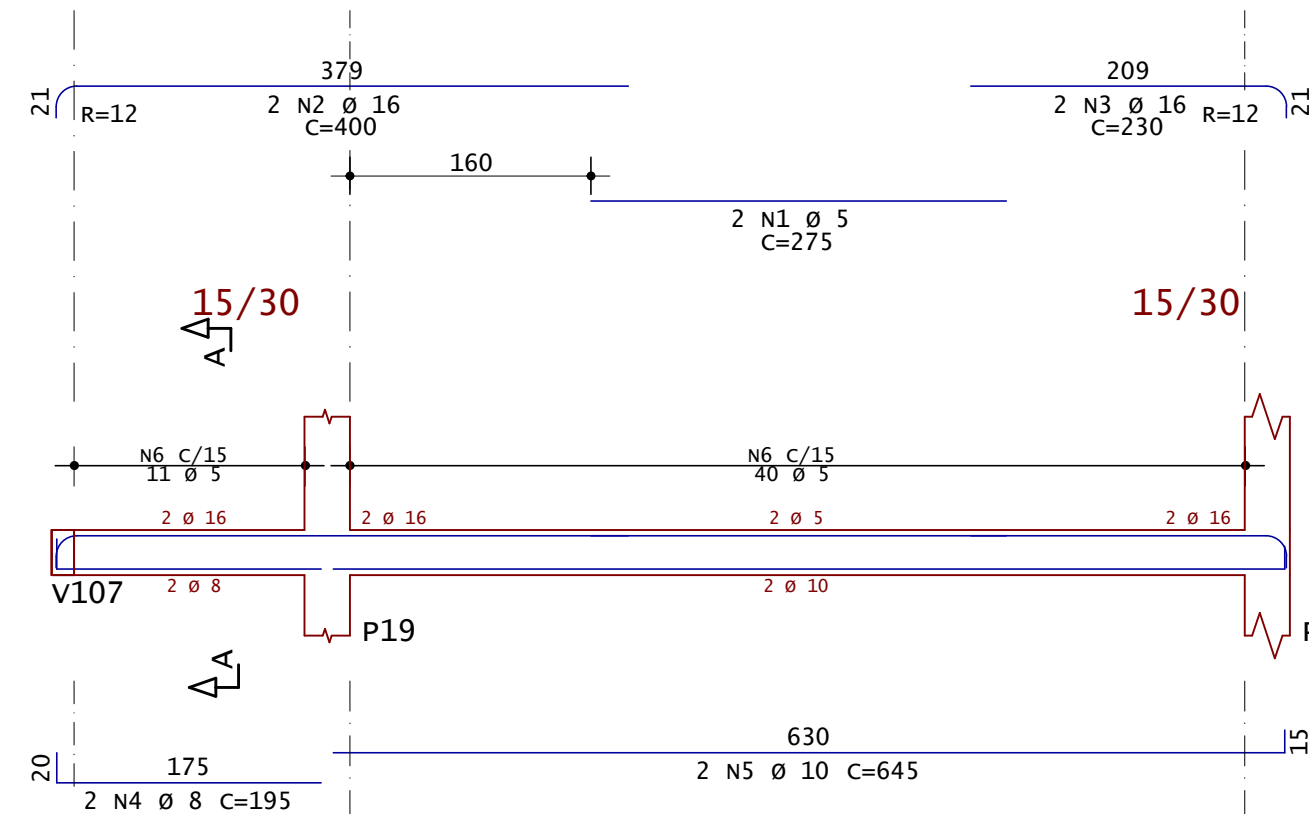
v120



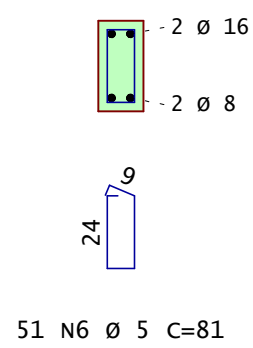
Corte A



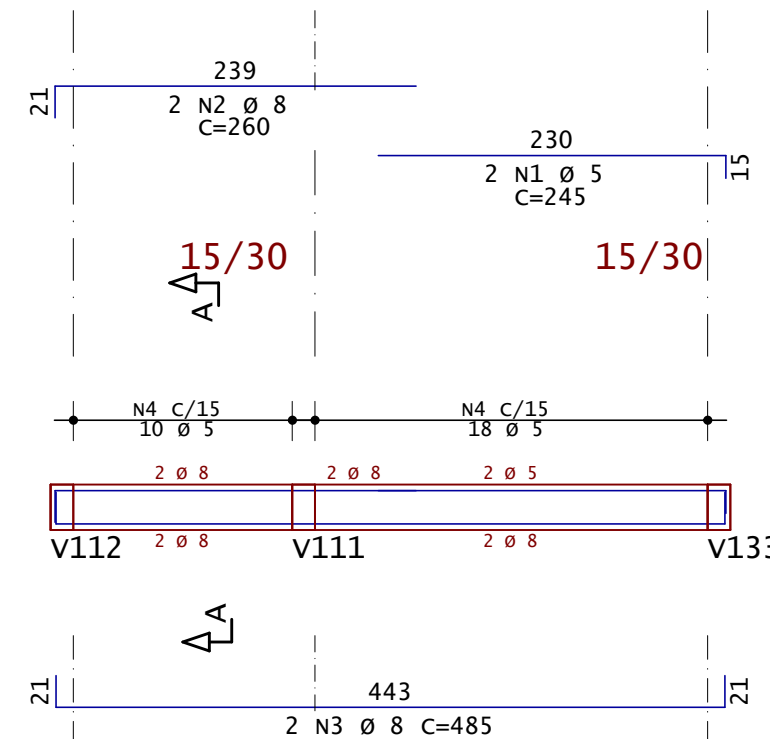
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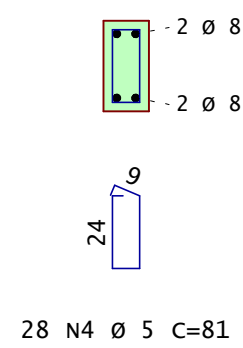
Corte A



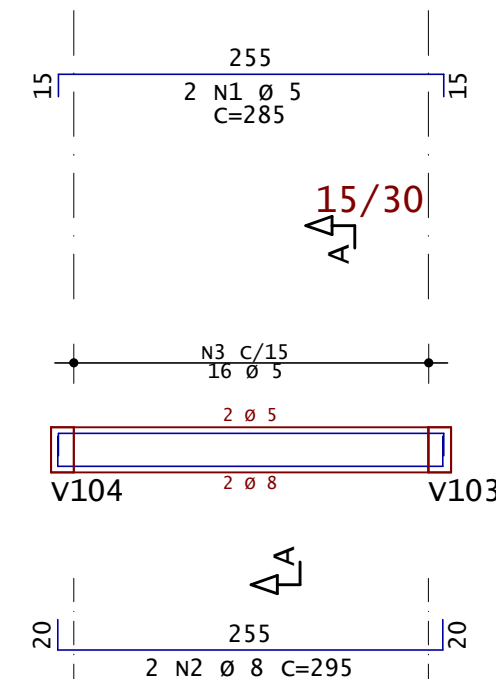
v122



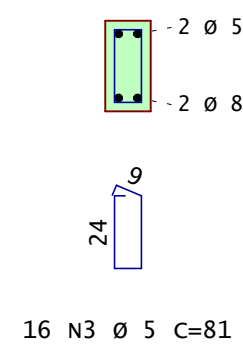
Corte A



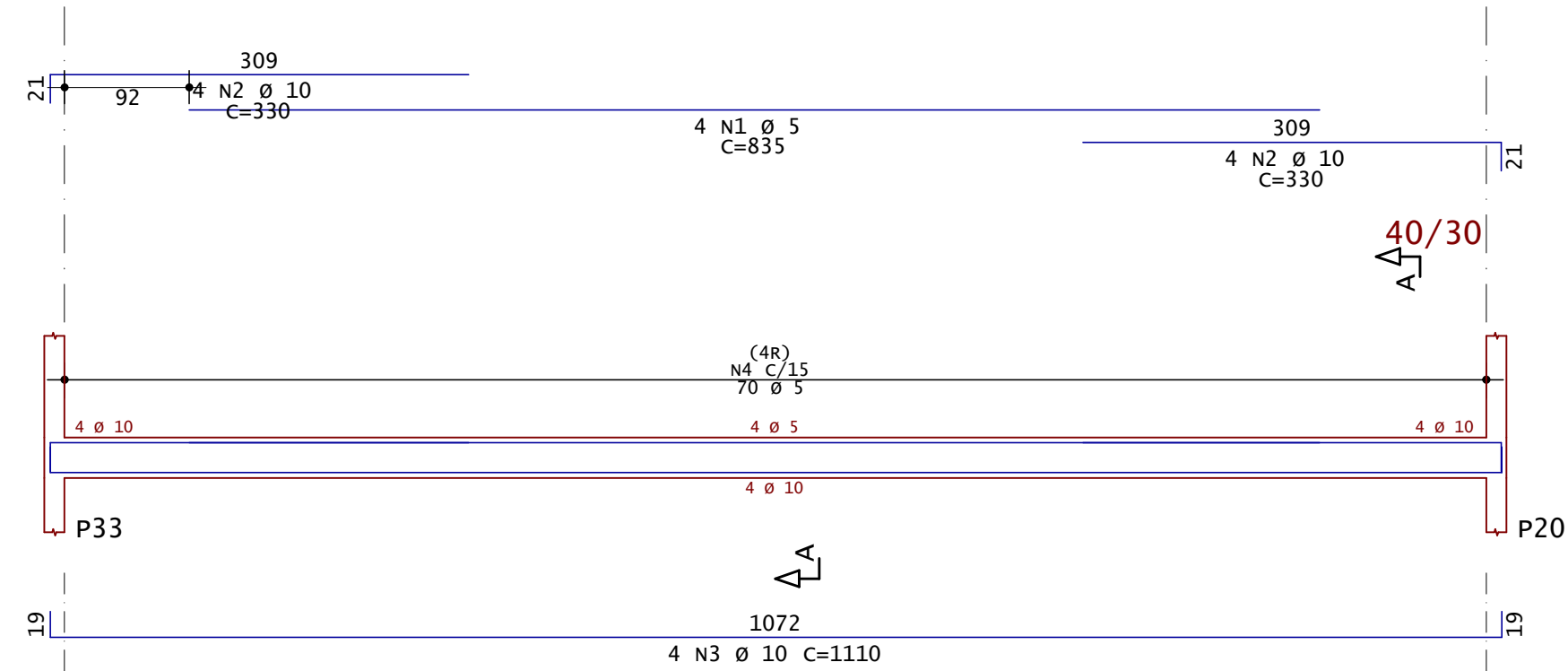
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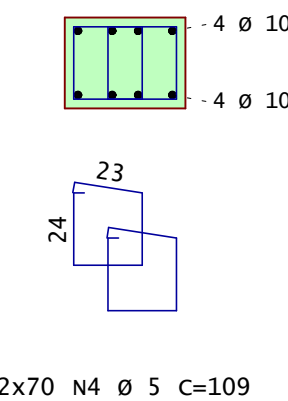
Corte A



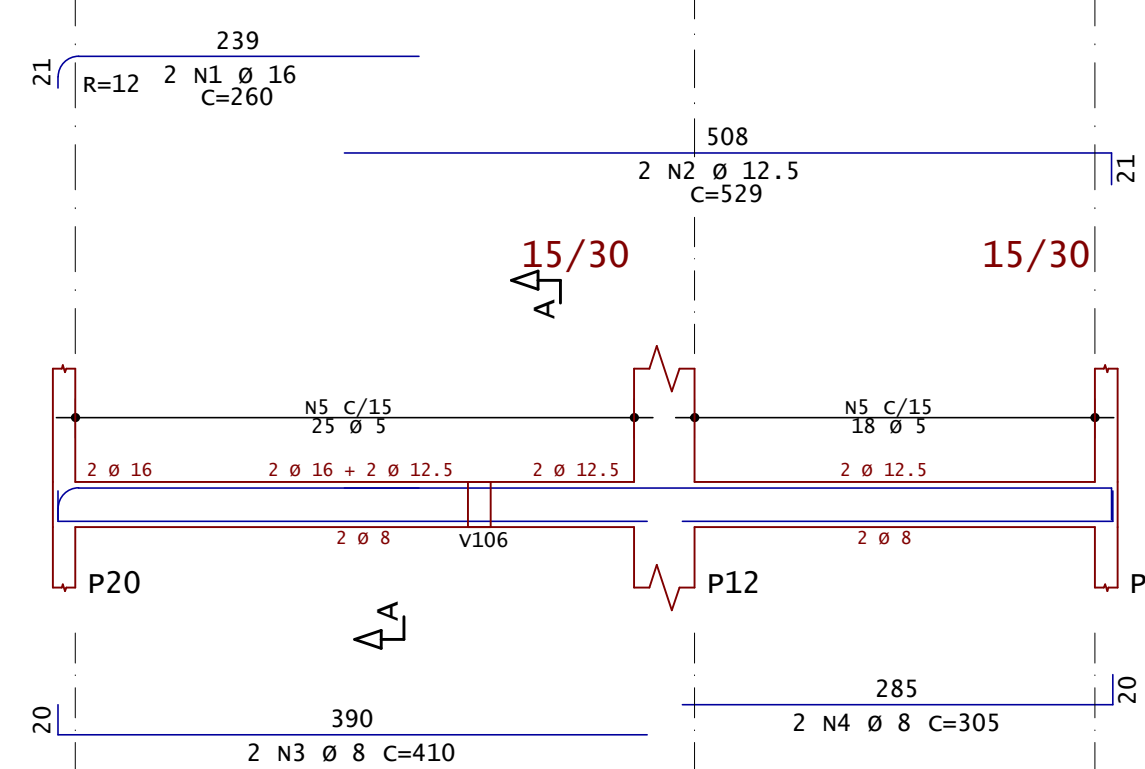
v124



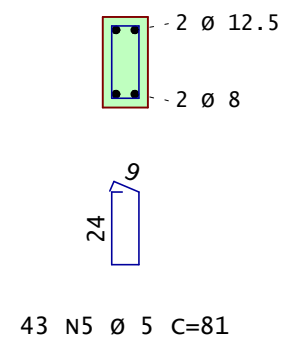
Corte A



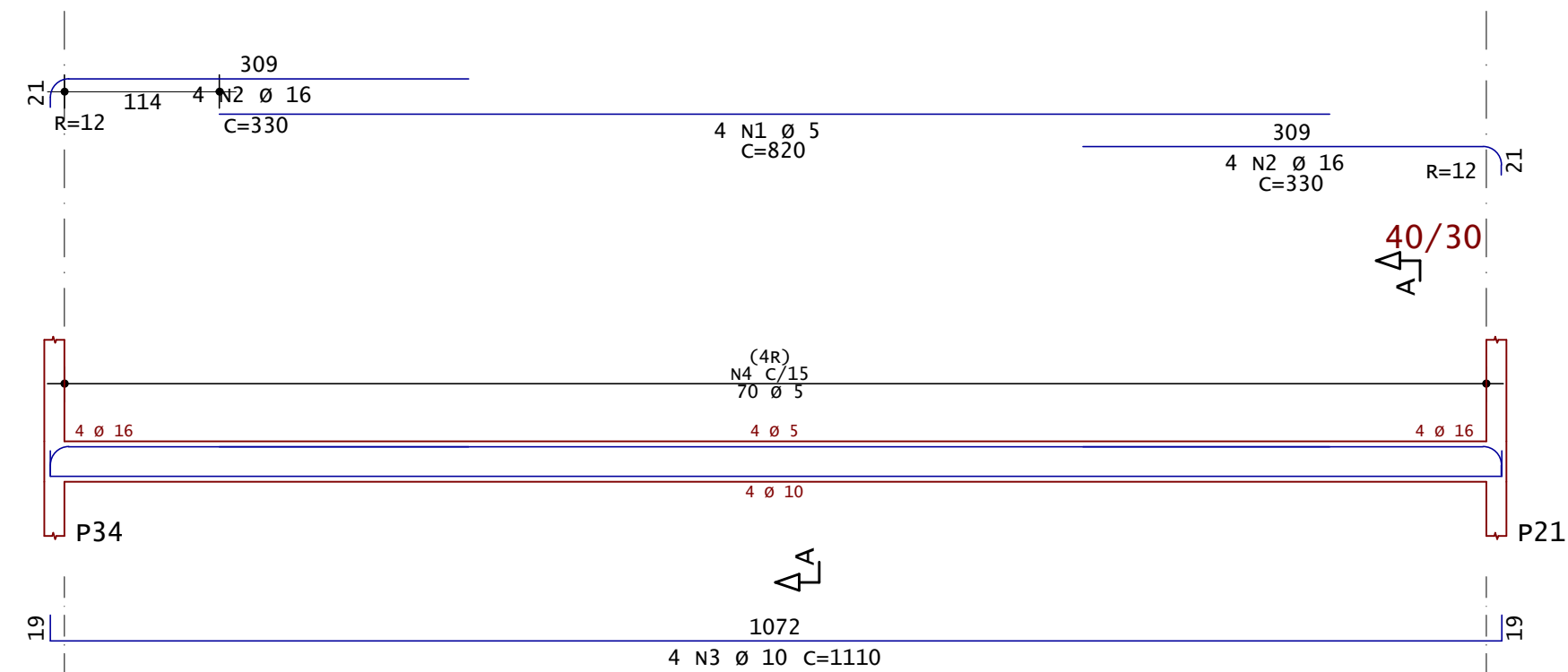
v125



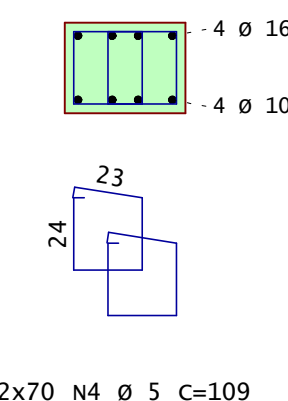
Corte A



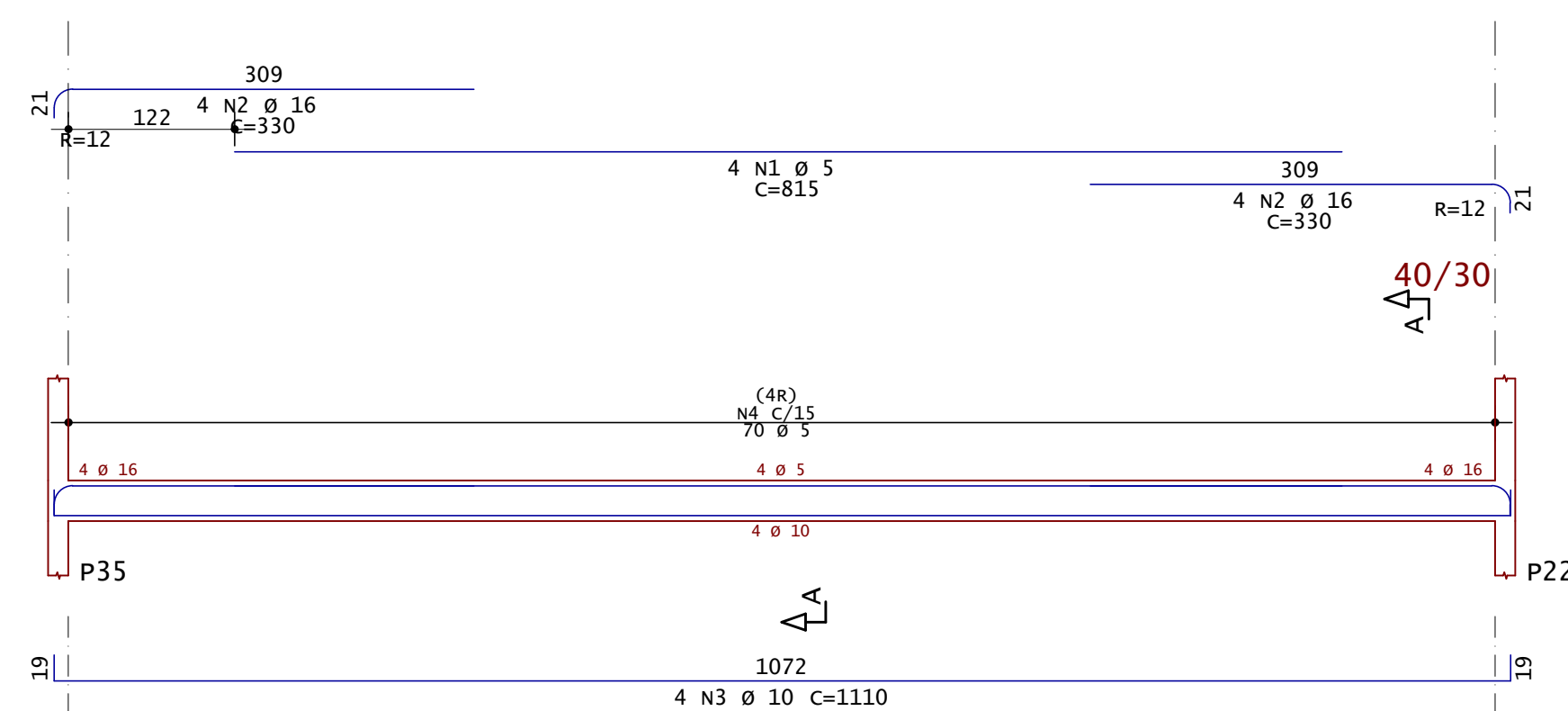
v126



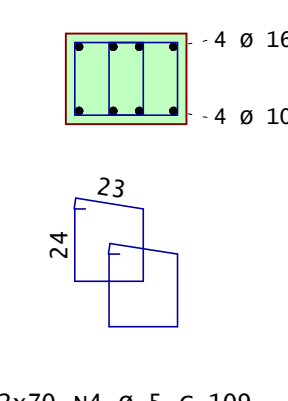
Corte A



v127



Corte A



| AÇO  | POS | BIT | QUANT | COMPRIMENTO |       |       |
|------|-----|-----|-------|-------------|-------|-------|
|      |     |     |       | UNIT        | TOTAL |       |
|      |     |     |       | mm          | cm    |       |
| V117 | 50A | 1   | 10    | 2           | 571   | 1142  |
|      | 50A | 2   | 8     | 2           | 275   | 550   |
|      | 60A | 4   | 5     | 33          | 91    | 3003  |
| V118 | 50A | 1   | 10    | 2           | 210   | 420   |
|      | 50A | 2   | 8     | 2           | 205   | 410   |
|      | 60A | 3   | 5     | 10          | 81    | 810   |
| V119 | 50A | 1   | 10    | 2           | 320   | 640   |
|      | 50A | 2   | 8     | 2           | 320   | 640   |
|      | 60A | 3   | 5     | 18          | 81    | 1458  |
| V120 | 50A | 1   | 10    | 2           | 170   | 340   |
|      | 50A | 2   | 8     | 2           | 985   | 1970  |
|      | 50A | 3   | 8     | 2           | 530   | 1060  |
|      | 50A | 4   | 8     | 2           | 370   | 740   |
|      | 50A | 5   | 8     | 2           | 185   | 370   |
|      | 60A | 6   | 5     | 65          | 81    | 5265  |
| V121 | 60A | 1   | 5     | 2           | 275   | 550   |
|      | 50A | 2   | 16    | 2           | 400   | 800   |
|      | 50A | 3   | 16    | 2           | 230   | 460   |
|      | 50A | 4   | 8     | 2           | 195   | 390   |
|      | 50A | 5   | 10    | 2           | 645   | 1290  |
|      | 60A | 6   | 5     | 51          | 81    | 4131  |
| V122 | 60A | 1   | 5     | 2           | 245   | 490   |
|      | 50A | 2   | 8     | 2           | 260   | 520   |
|      | 50A | 3   | 8     | 2           | 485   | 970   |
|      | 60A | 4   | 5     | 28          | 81    | 2268  |
| V123 | 60A | 1   | 5     | 2           | 285   | 570   |
|      | 50A | 2   | 8     | 2           | 295   | 590   |
|      | 60A | 3   | 5     | 16          | 81    | 1296  |
| V124 | 60A | 1   | 5     | 4           | 835   | 3340  |
|      | 50A | 2   | 10    | 8           | 330   | 2640  |
|      | 50A | 3   | 10    | 4           | 1110  | 4440  |
|      | 60A | 4   | 5     | 140         | 109   | 15260 |
| V125 | 50A | 1   | 16    | 2           | 260   | 520   |
|      | 50A | 2   | 12.5  | 2           | 529   | 1058  |
|      | 50A | 3   | 8     | 2           | 410   | 820   |
|      | 50A | 4   | 8     | 2           | 305   | 610   |
|      | 60A | 5   | 5     | 43          | 81    | 3483  |
| V126 | 60A | 1   | 5     | 4           | 820   | 3280  |
|      | 50A | 2   | 16    | 8           | 330   | 2640  |
|      | 50A | 3   | 10    | 4           | 1110  | 4440  |
|      | 60A | 4   | 5     | 140         | 109   | 15260 |
| V127 | 60A | 1   | 5     | 4           | 815   | 3260  |
|      | 50A | 2   | 16    | 8           | 330   | 2640  |
|      | 50A | 3   | 10    | 4           | 1110  | 4440  |
|      | 60A | 4   | 5     | 140         | 109   | 15260 |

| RESUMO DE AÇO |           |            |             |
|---------------|-----------|------------|-------------|
| AÇO           | BIT<br>mm | COMPR<br>m | PESO<br>kgf |
| 60A           | 5         | 790        | 122         |
| 50A           | 8         | 102        | 40          |
| 50A           | 10        | 198        | 122         |
| 50A           | 12.5      | 11         | 10          |
| 50A           | 16        | 71         | 111         |
| Peso Total    |           | 60A =      | 122 kgf     |
| Peso Total    |           | 50A =      | 284 kgf     |

Site com:  
- Modelos 3D  
- Arquivos de obra  
- Todos os documentos  
do projeto



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|          |                                     |                                                                                                                  |
|----------|-------------------------------------|------------------------------------------------------------------------------------------------------------------|
| CLIENTE: | MAXWELL DE OLIVEIRA                 | DESENHO Nº: 13                                                                                                   |
| OBRA:    | RESIDÊNCIA UNIFAMILIAR              | OBS:<br>Concreto:<br>fck: 25 MPa<br>ECS: 24150 MPa<br>Atente-se aos<br>cobrimentos<br>Leia o Memorial Descritivo |
| TÍTULO:  | Detalhamento:<br>- VIGAS / BALDRAME |                                                                                                                  |
| DATA:    | 02/08/2021                          | ESCALA: INDICADA                                                                                                 |