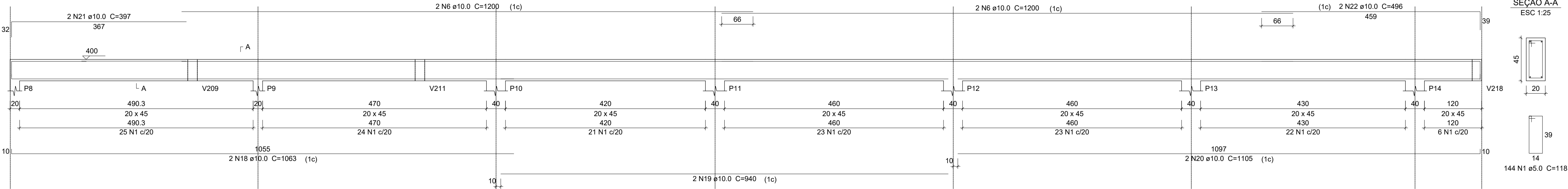


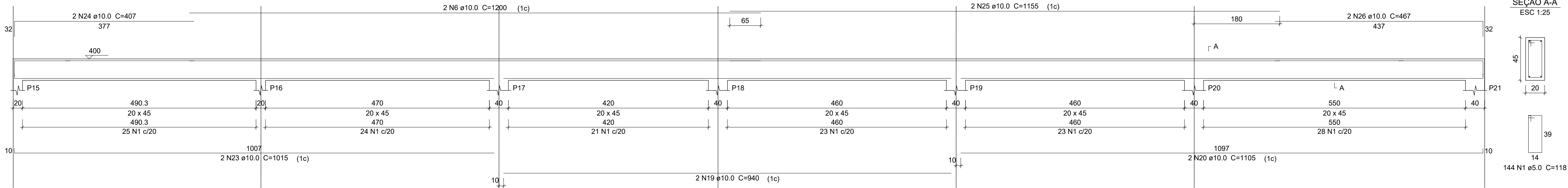
V206

ESC 1:50



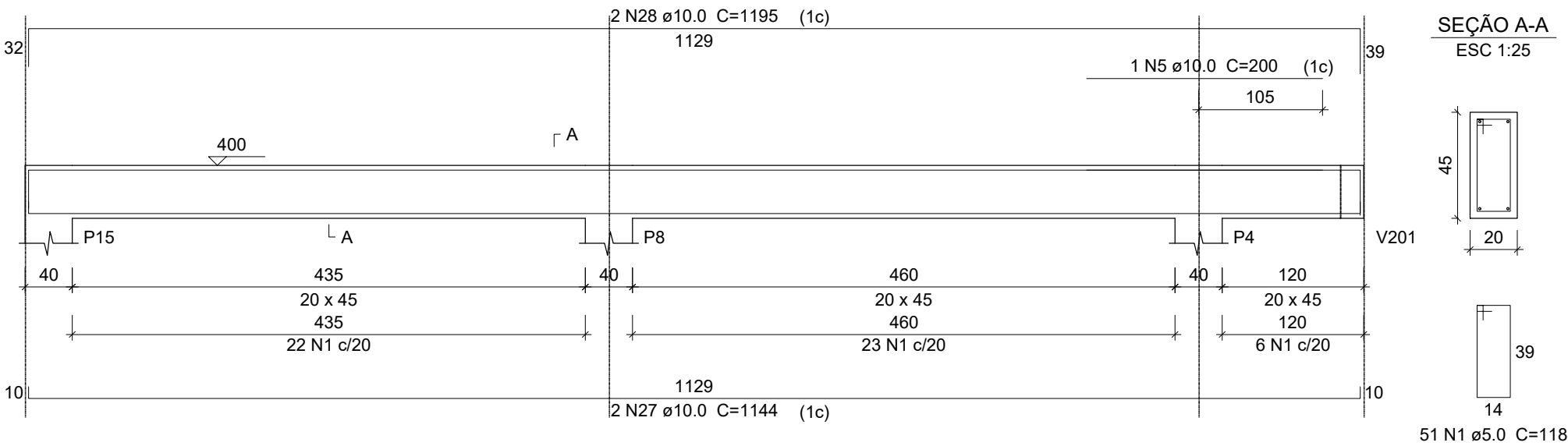
V207

ESC 1:50



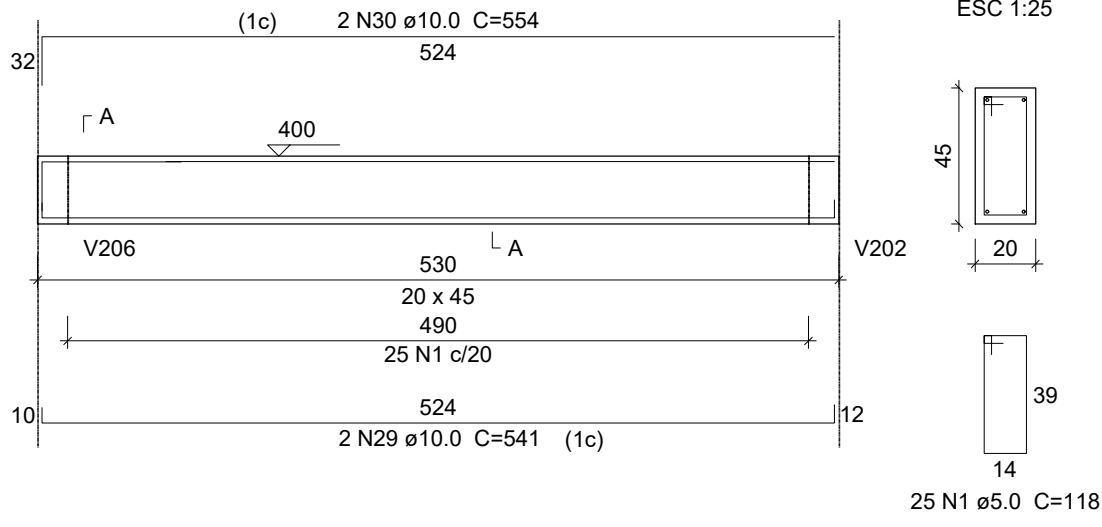
V208

ESC 1:50



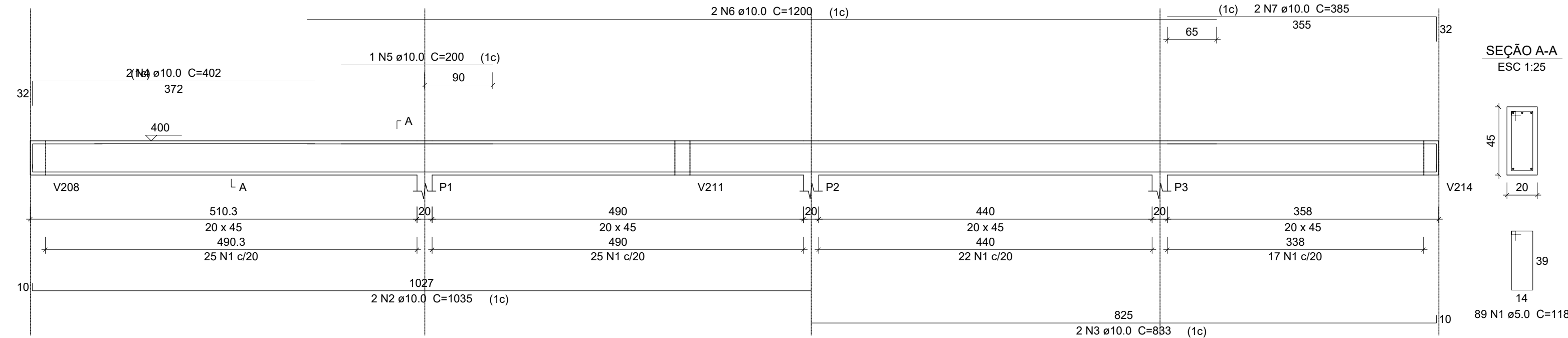
V209

ESC 1:50



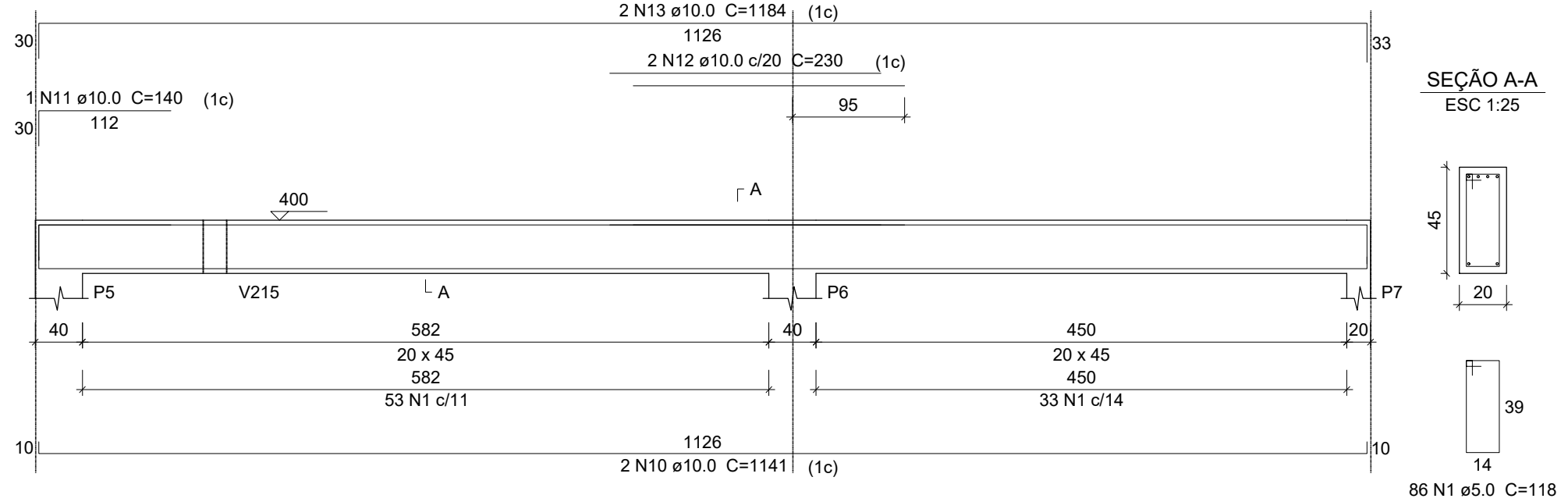
V201

ESC 1:50



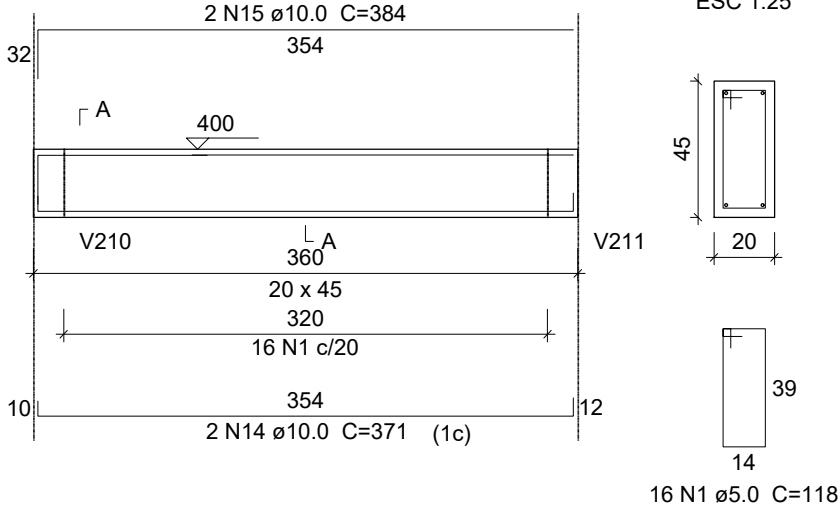
V203

ESC 1:50



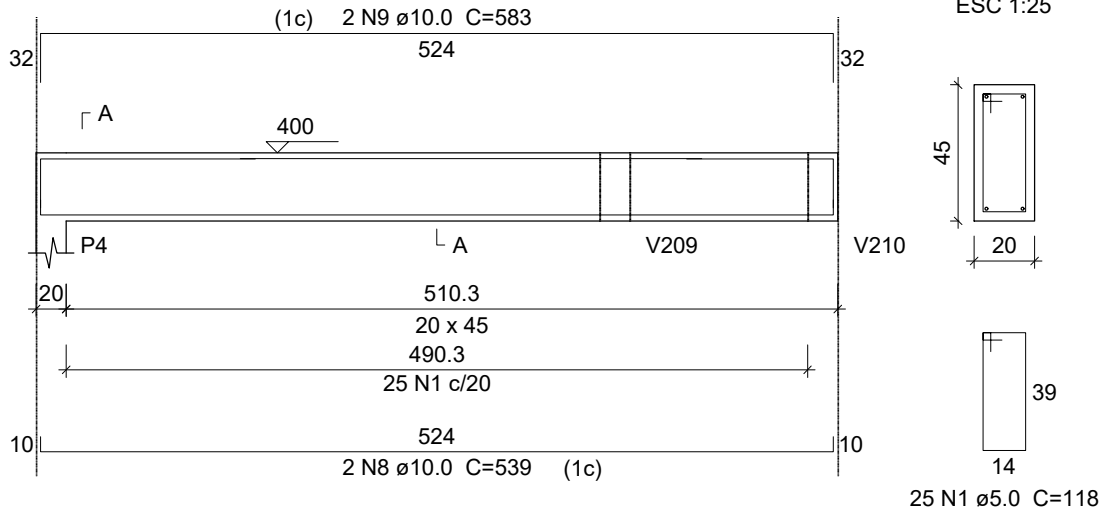
V204

ESC 1:50



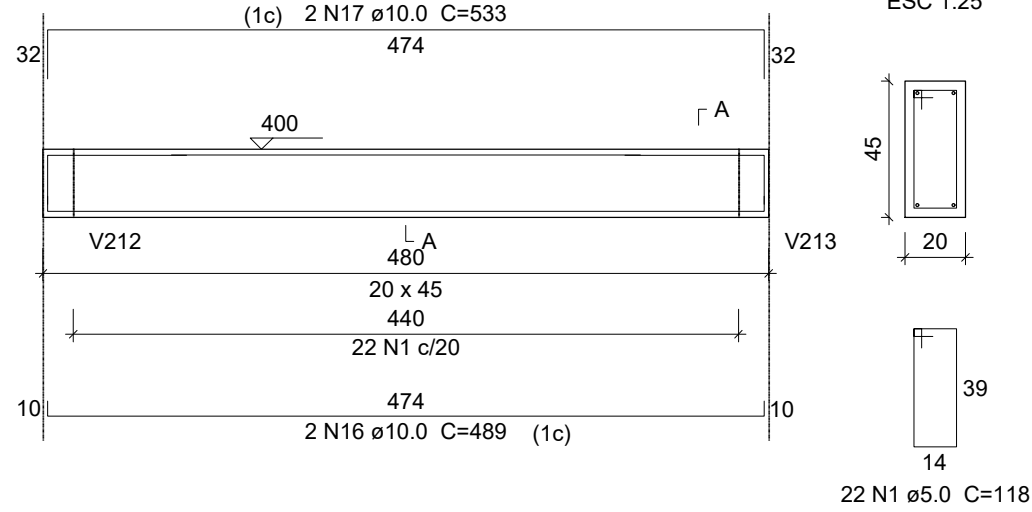
V202

ESC 1:50



V205

ESC 1:50



Relação do aço

| AÇO  | N  | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|------|----|-----------|-------|-------------|--------------|
| CA60 | 1  | 5.0       | 602   | 118         | 71036        |
| CA50 | 2  | 10.0      | 2     | 1035        | 2070         |
|      | 3  | 10.0      | 2     | 833         | 1666         |
|      | 4  | 10.0      | 2     | 402         | 804          |
|      | 5  | 10.0      | 2     | 200         | 400          |
|      | 6  | 10.0      | 8     | 1200        | 9600         |
|      | 7  | 10.0      | 2     | 385         | 770          |
|      | 8  | 10.0      | 2     | 539         | 1078         |
|      | 9  | 10.0      | 2     | 583         | 1166         |
|      | 10 | 10.0      | 2     | 1141        | 2282         |
|      | 11 | 10.0      | 1     | 140         | 140          |
|      | 12 | 10.0      | 2     | 230         | 460          |
|      | 13 | 10.0      | 2     | 1184        | 2368         |
|      | 14 | 10.0      | 2     | 371         | 742          |
|      | 15 | 10.0      | 2     | 384         | 768          |
|      | 16 | 10.0      | 2     | 489         | 978          |
|      | 17 | 10.0      | 2     | 533         | 1066         |
|      | 18 | 10.0      | 2     | 1063        | 2126         |
|      | 19 | 10.0      | 4     | 940         | 3760         |
|      | 20 | 10.0      | 4     | 1105        | 4420         |
|      | 21 | 10.0      | 2     | 397         | 794          |
|      | 22 | 10.0      | 2     | 496         | 992          |
|      | 23 | 10.0      | 2     | 1015        | 2030         |
|      | 24 | 10.0      | 2     | 407         | 814          |
|      | 25 | 10.0      | 2     | 1155        | 2310         |
|      | 26 | 10.0      | 2     | 467         | 934          |
|      | 27 | 10.0      | 2     | 1144        | 2288         |
|      | 28 | 10.0      | 2     | 1195        | 2390         |
|      | 29 | 10.0      | 2     | 541         | 1082         |
|      | 30 | 10.0      | 2     | 554         | 1108         |

Resumo do aço

| AÇO             | DIAM (mm) | C.TOTAL (m) | PESO + 5 % (kg) |
|-----------------|-----------|-------------|-----------------|
| CA50            | 10.0      | 514.1       | 332.8           |
| CA60            | 5.0       | 710.4       | 115             |
| PESO TOTAL (kg) |           |             |                 |
| CA50            | 332.8     |             |                 |
| CA60            | 115       |             |                 |

Volume de concreto (C-25) = 10.99 m³  
Área de forma = 134.27 m²

GOVERNO MUNICIPAL DE TRÊS PALMEIRAS

SECRETARIA DE OBRAS E INFRAESTRUTURA  
SETOR DE ARQUITETURA E ENGENHARIA

ENDEREÇO: PRAÇA, 12 DE MAIO, 763 - CENTRO - TRÊS PALMEIRAS - R/S  
TELEFONE: (54) 3367-1040 / 1030  
CEP: 99675-000  
EMAIL: engenharia@rs.gov.br



OBRA: CENTRO DE RECREAÇÃO MUNICIPAL  
CAMPO GUARANI -CENTRO - TRÊS PALMEIRAS R/S

ESPECIFICAÇÃO: PROJETO ESTRUTURAL

RESPOSAVEL TÉCNICO:

Paula Roberta Castamann  
Engenheira civil  
CREA - RS 180.440

PROPONENTE:

Silvânio Antônio Dias  
Prefeito Municipal

DESENHO:

Paula Castamann

DATA:

DEZEMBRO DE 2018

PRANCHA:

05/06

ÁREA:

334,63m²

ESCALA:

INDICADA