

Relação do aço

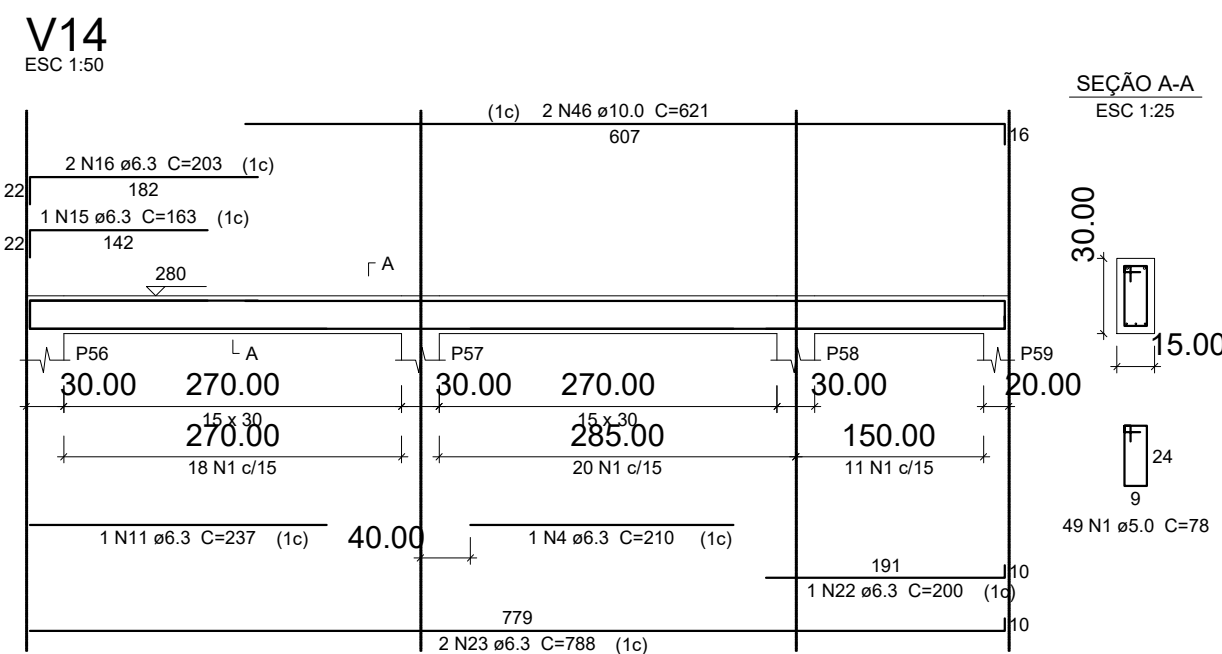
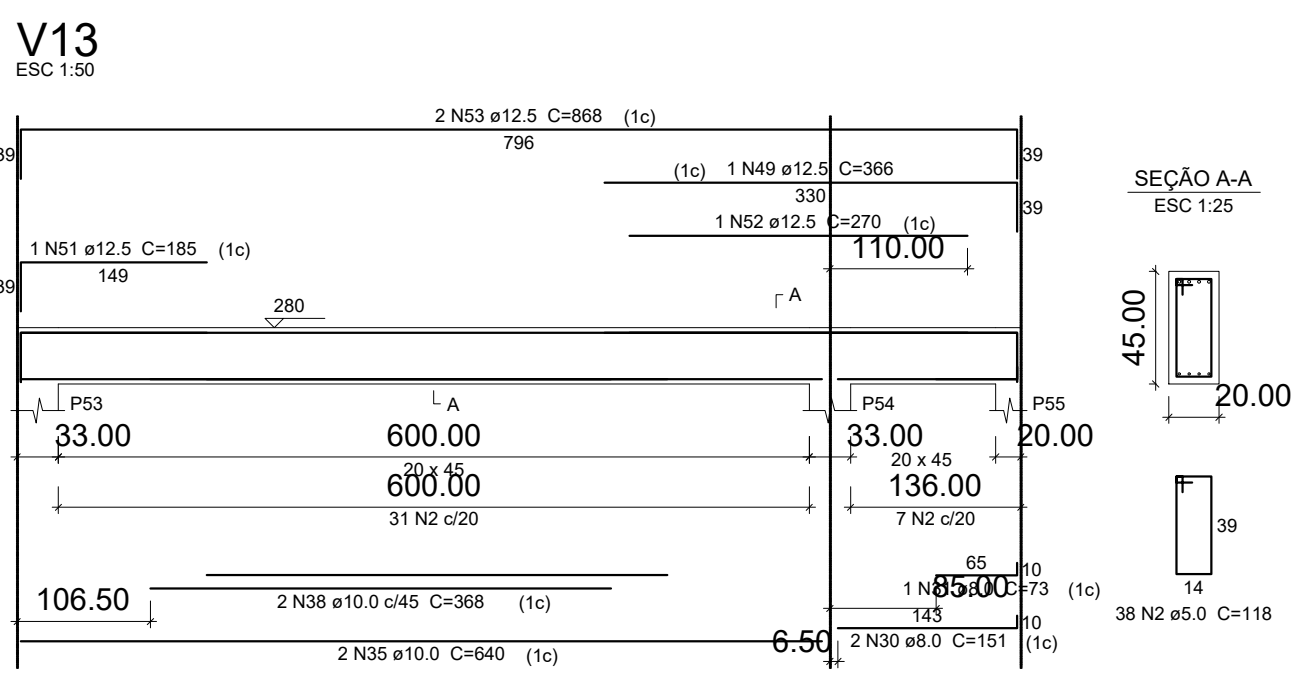
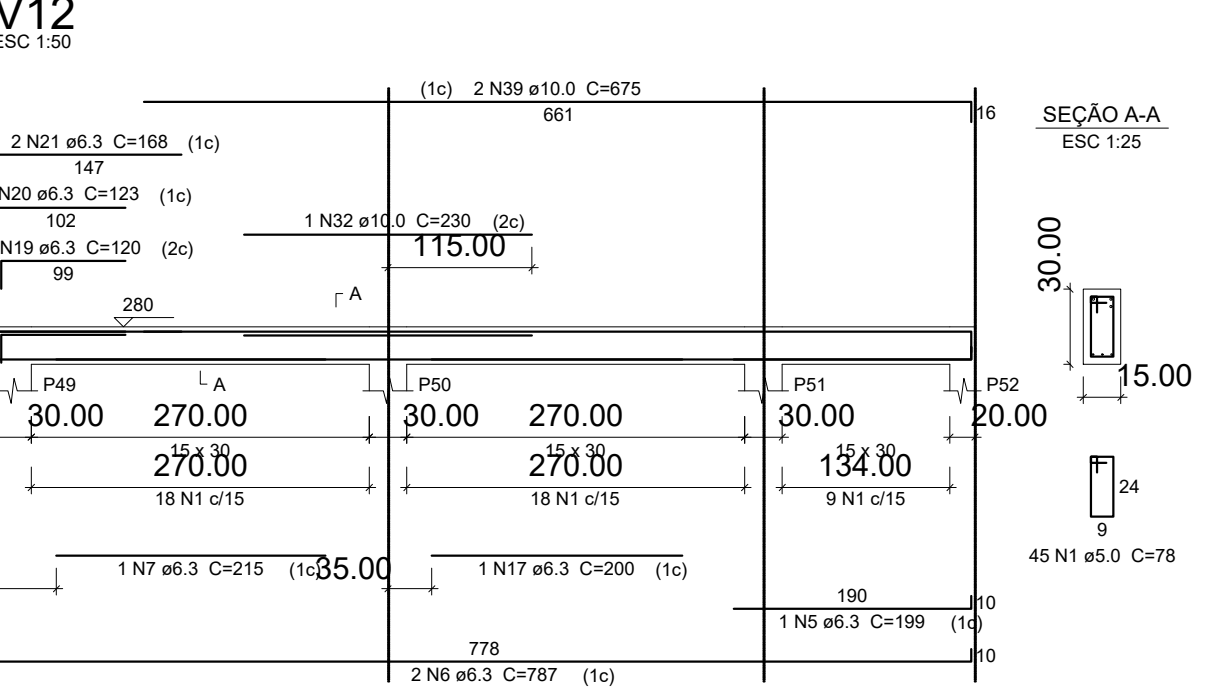
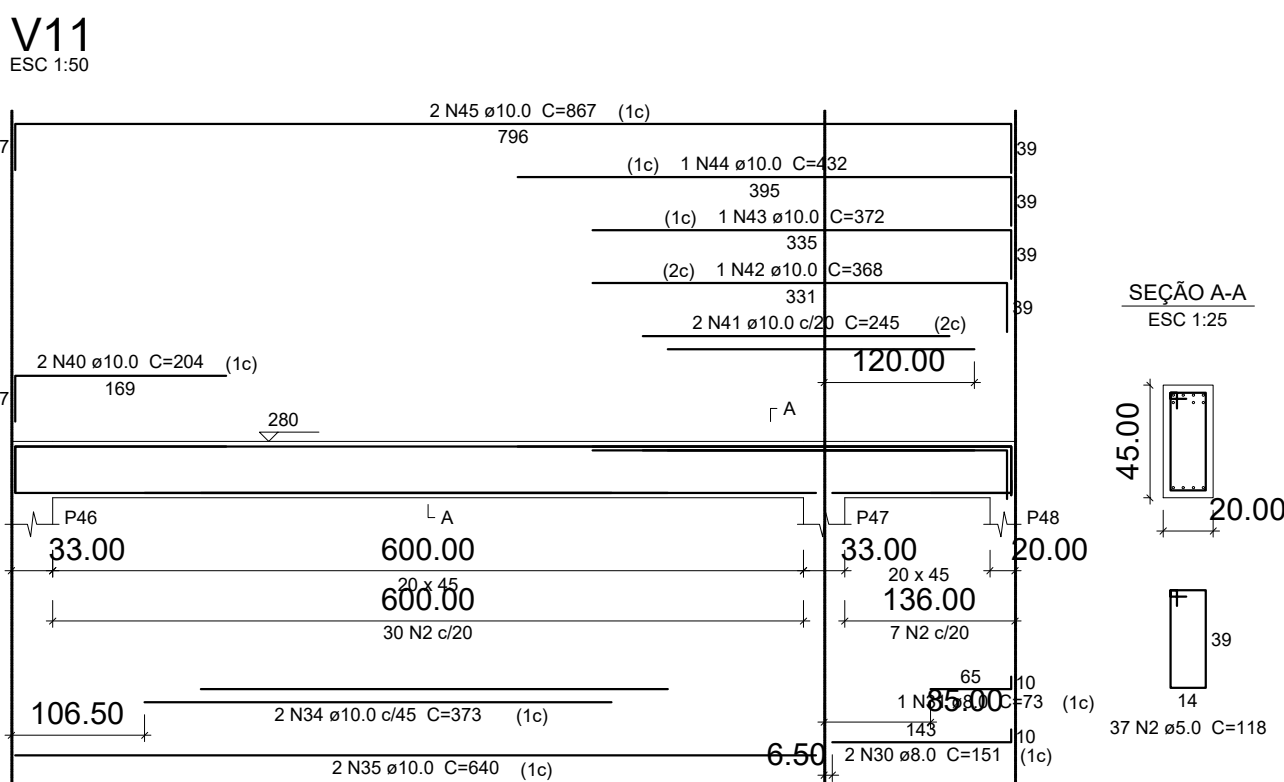
| ACO | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|------|----|-----------|-------|-------------|--------------|
| CA50 | 1 | 5.0 | 409 | 78 | 31802 |
| CA50 | 2 | 5.0 | 149 | 118 | 17582 |
| | 3 | 6.3 | 1 | 225 | 225 |
| | 4 | 6.3 | 3 | 210 | 630 |
| | 5 | 6.3 | 8 | 199 | 1592 |
| | 6 | 6.3 | 16 | 787 | 12592 |
| | 7 | 6.3 | 5 | 215 | 1075 |
| | 8 | 6.3 | 4 | 205 | 820 |
| | 9 | 6.3 | 2 | 104 | 208 |
| | 10 | 6.3 | 6 | 189 | 1014 |
| | 11 | 6.3 | 3 | 237 | 711 |
| | 12 | 6.3 | 1 | 140 | 140 |
| | 13 | 6.3 | 1 | 272 | 272 |
| | 14 | 6.3 | 2 | 352 | 704 |
| | 15 | 6.3 | 5 | 163 | 815 |
| | 16 | 6.3 | 4 | 203 | 812 |
| | 17 | 6.3 | 2 | 200 | 400 |
| | 18 | 6.3 | 1 | 103 | 103 |
| | 19 | 6.3 | 1 | 120 | 120 |
| | 20 | 6.3 | 1 | 123 | 123 |
| | 21 | 6.3 | 2 | 168 | 336 |
| | 22 | 6.3 | 1 | 200 | 200 |
| | 23 | 6.3 | 2 | 788 | 1576 |
| | 24 | 8.0 | 1 | 170 | 170 |
| | 25 | 8.0 | 2 | 821 | 1642 |
| | 26 | 8.0 | 1 | 230 | 230 |
| | 27 | 8.0 | 1 | 689 | 689 |
| | 28 | 8.0 | 2 | 818 | 1636 |
| | 29 | 8.0 | 1 | 78 | 78 |
| | 30 | 8.0 | 8 | 151 | 1208 |
| | 31 | 8.0 | 3 | 73 | 219 |
| | 32 | 10.0 | 4 | 230 | 920 |
| | 33 | 10.0 | 4 | 655 | 2620 |
| | 34 | 10.0 | 4 | 373 | 1492 |
| | 35 | 10.0 | 8 | 640 | 5120 |
| | 36 | 10.0 | 2 | 472 | 944 |
| | 37 | 10.0 | 2 | 620 | 1240 |
| | 38 | 10.0 | 4 | 368 | 1472 |
| | 39 | 10.0 | 4 | 675 | 2700 |
| | 40 | 10.0 | 2 | 204 | 408 |
| | 41 | 10.0 | 2 | 245 | 490 |
| | 42 | 10.0 | 1 | 368 | 368 |
| | 43 | 10.0 | 1 | 372 | 372 |
| | 44 | 10.0 | 1 | 432 | 432 |
| | 45 | 10.0 | 2 | 867 | 1734 |
| | 46 | 10.0 | 2 | 621 | 1242 |
| | 47 | 12.5 | 1 | 191 | 191 |
| | 48 | 12.5 | 1 | 275 | 275 |
| | 49 | 12.5 | 3 | 366 | 1098 |
| | 50 | 12.5 | 2 | 869 | 1738 |
| | 51 | 12.5 | 2 | 185 | 370 |
| | 52 | 12.5 | 2 | 270 | 540 |
| | 53 | 12.5 | 4 | 868 | 3472 |


Resumo do aço

| ACO | DIAM (mm) | C.TOTAL (m) | PESO + 10 % (kg) |
|------|-----------|-------------|------------------|
| CA50 | 6.3 | 244.7 | 65.9 |
| | 8.0 | 58.8 | 25.5 |
| | 10.0 | 215.6 | 146.2 |
| | 12.5 | 76.9 | 81.4 |
| CA60 | 5.0 | 494.9 | 83.9 |

| | |
|-----------------|------|
| PESO TOTAL (kg) | |
| CA50 | 319 |
| CA60 | 83.9 |

Volume de concreto (C-25) = 6.06 m³
Área de forma = 88.22 m²



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|---|---|---------|--|
| Obra: | AMPLIAÇÃO DA ESCOLA XV DE OUTUBRO VIGAS, SAPATAS E PILARES PAVIMENTO TÉRREO. | | |
|  | PREFEITURA MUNICIPAL DE CAMPOS DE JÚLIO CGC: 01.614.516/0001-99 | | |
| | AVENIDA ZELINO AGOSTINHO LORENZETTI CAMPOS DE JÚLIO-MT CEP: 78307-000 | | |
| Autor do Projeto: | Luiz Carlos Correia de Oliveira Eng. Civil - CREA 1202470122 | | |
| Responsável Técnico p/obra: | | | |
| PROJETO ESTRUTURAL | | | |
| DESENHO: Luiz Carlos | DATA: 20/06/2018 | ESCALA: | |