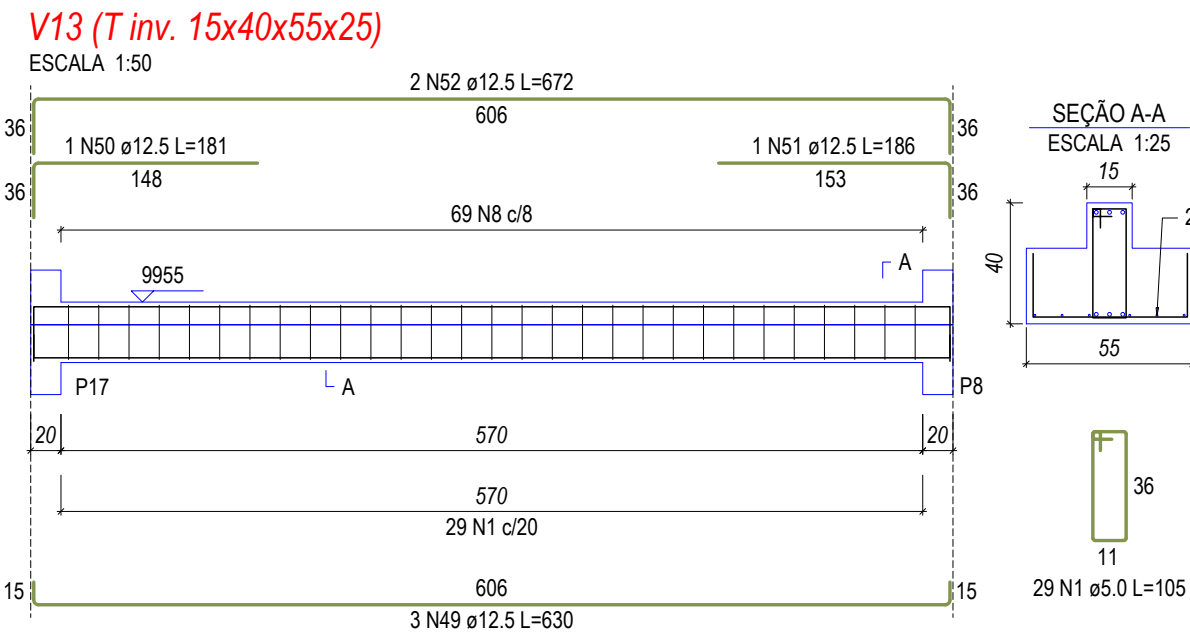
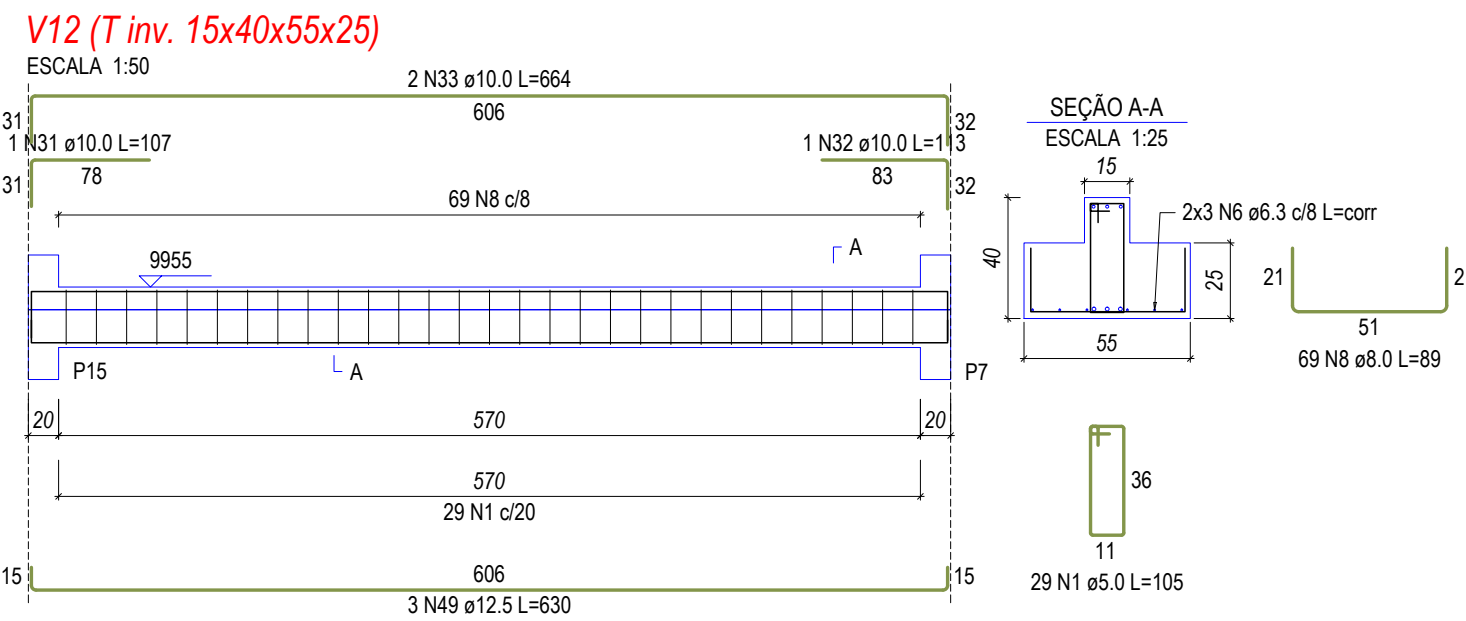
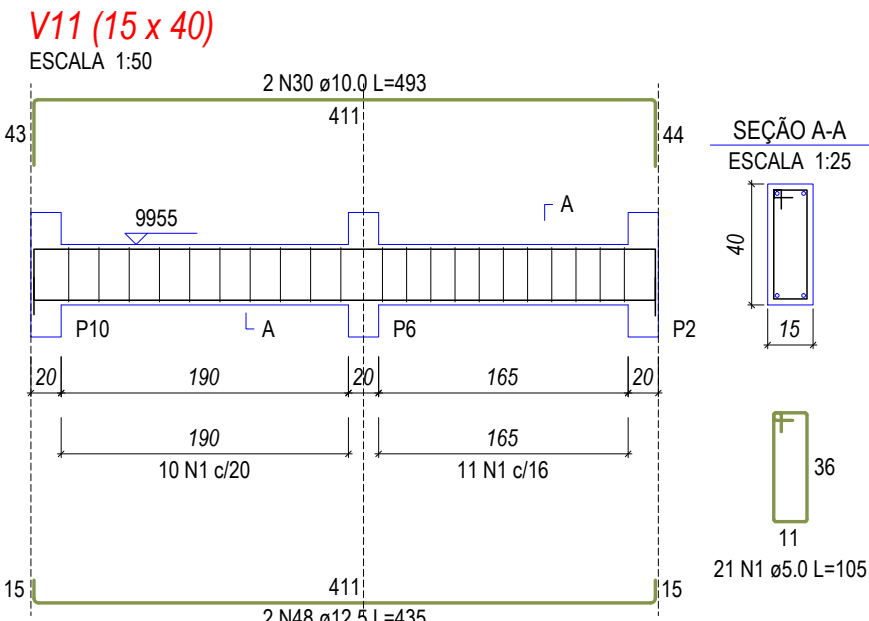
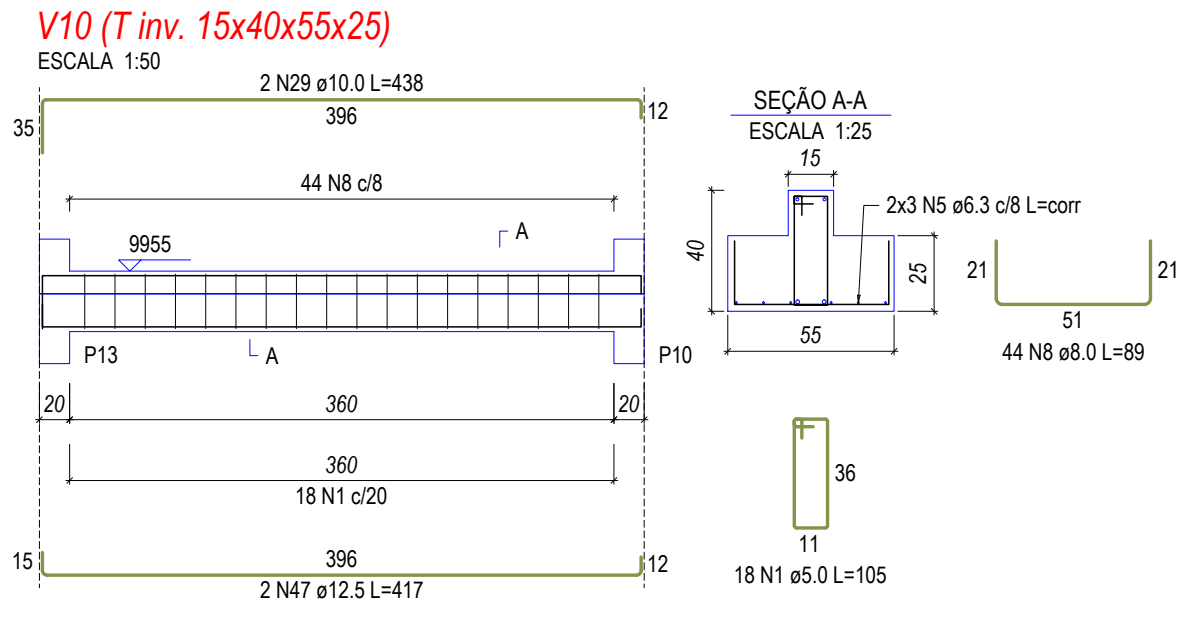
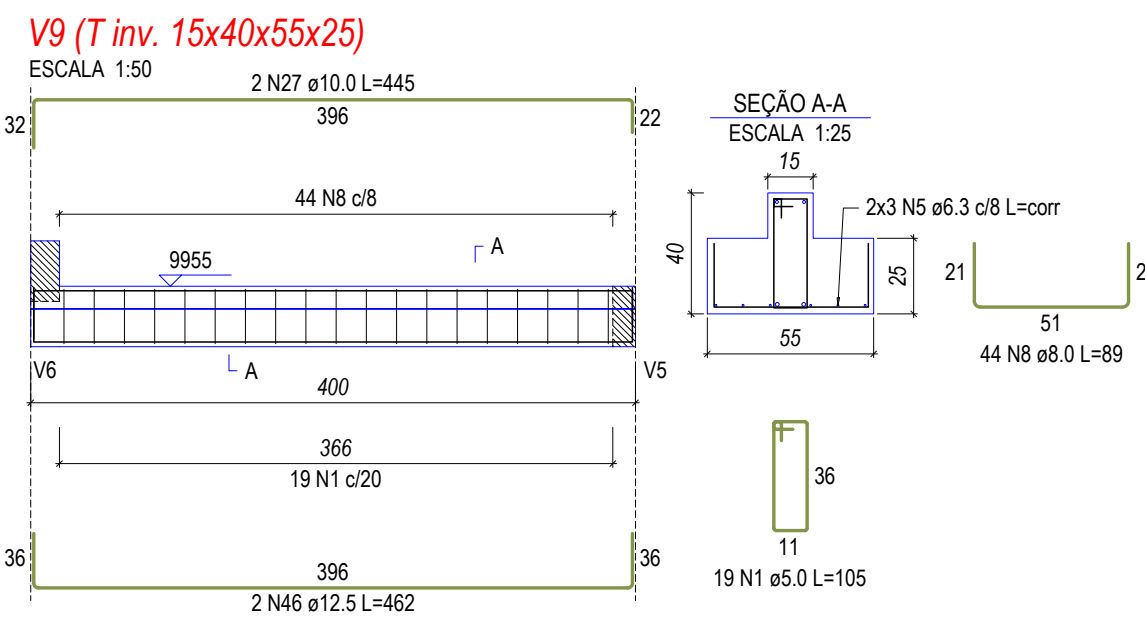
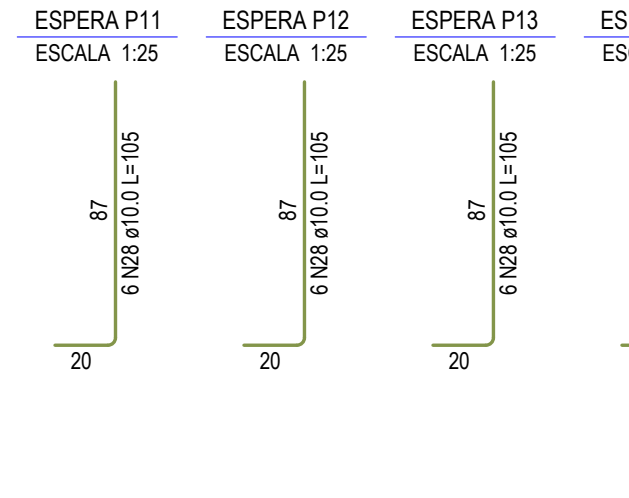
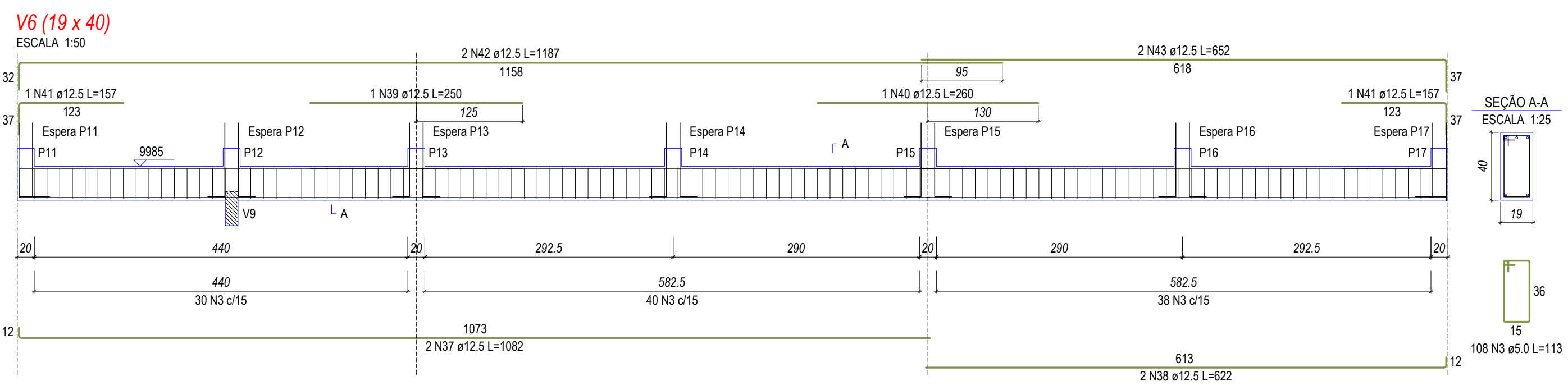
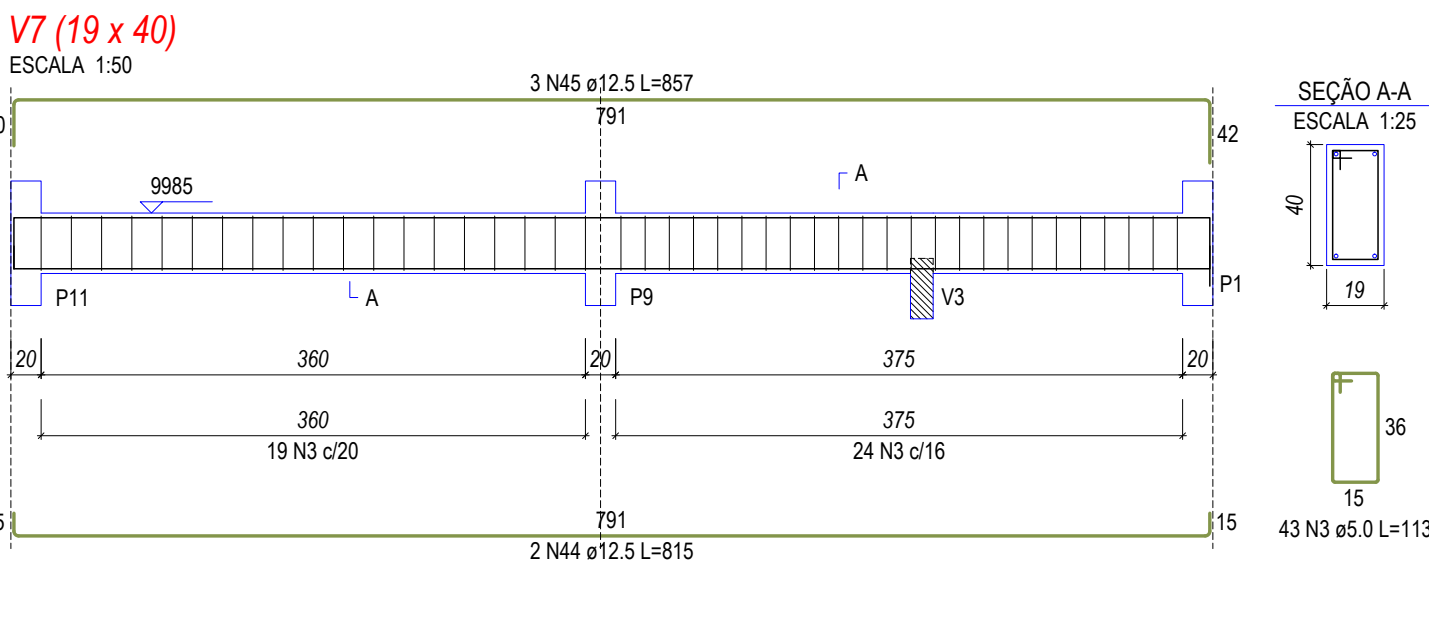
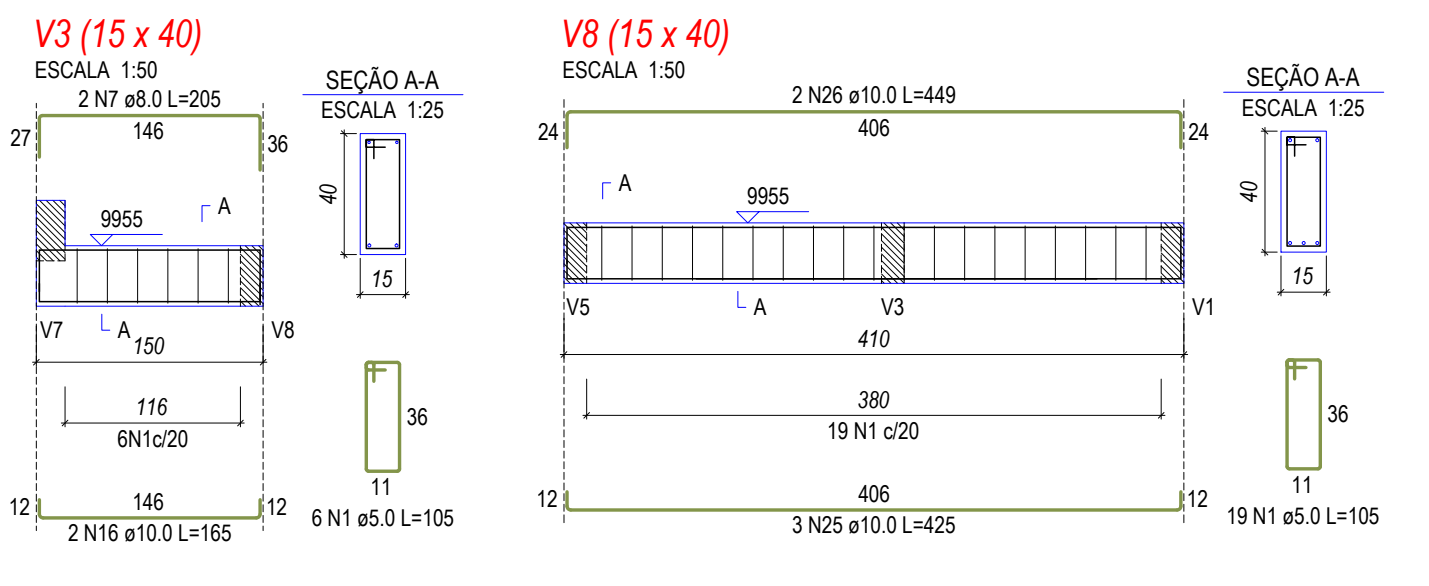
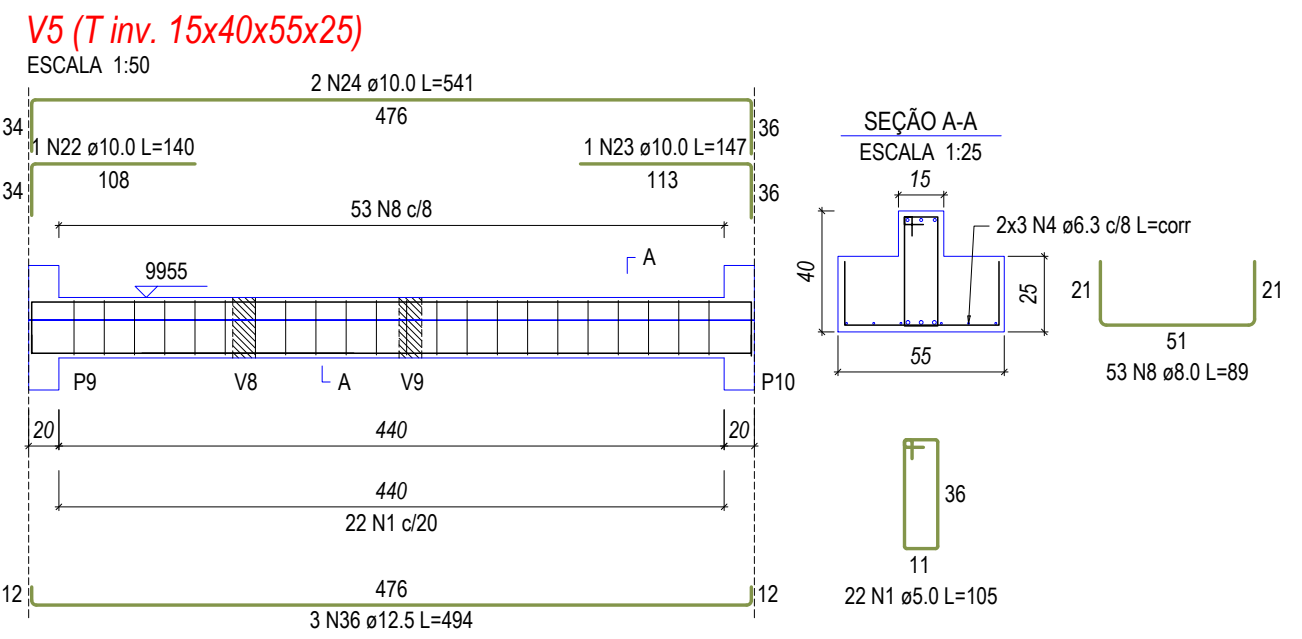
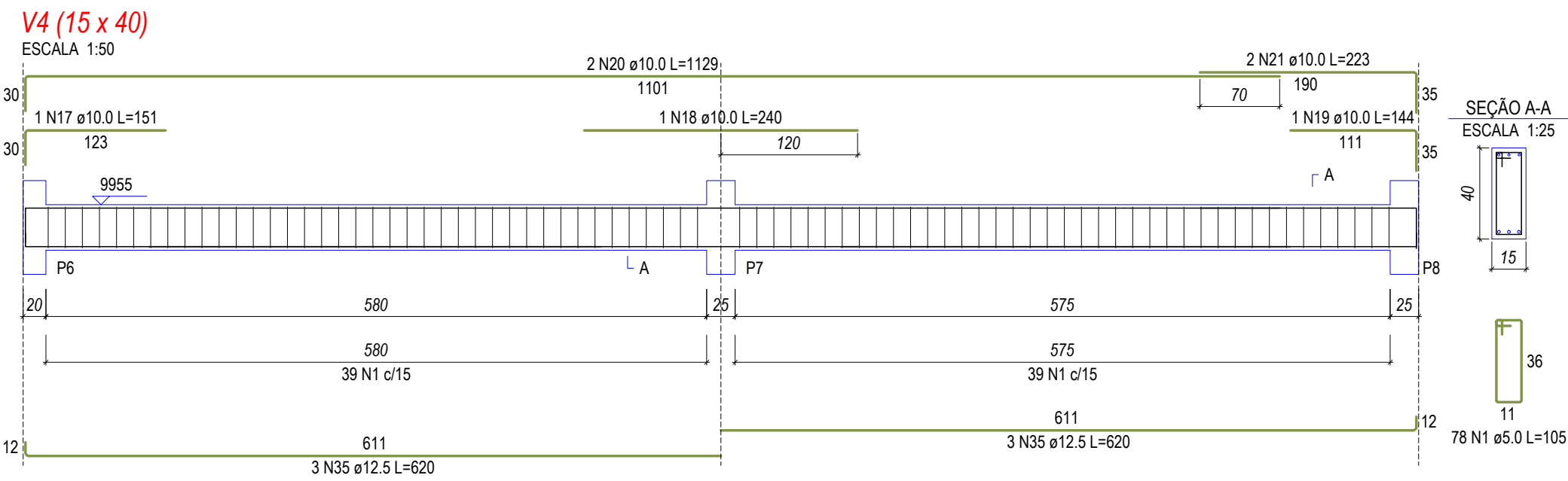
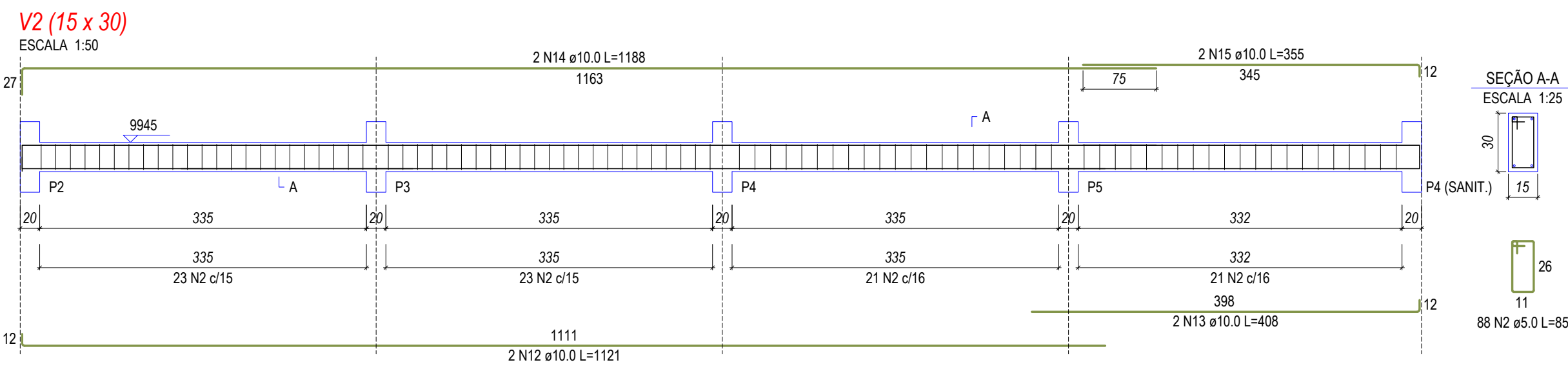


[illegible]

| RELAÇÃO DO AÇO | | | | | | |
|-----------------|-----------------|-----------------|----------|----------------|-----------------|--|
| V1 V6 V11 | V2 V7 V12 | V3 V8 V13 | V4 V9 | V5 V10 | | |
| AÇO | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) | |
| CA60 | 1 | 5,0 | 265 | 105 | 27825 | |
| | 2 | 5,0 | 88 | 85 | 7480 | |
| CA50 | 3 | 5,0 | 151 | 113 | 17063 | |
| | 4 | 6,3 | 6 | corr | 2856 | |
| | 5 | 6,3 | 12 | corr | 4752 | |
| | 6 | 6,3 | 12 | corr | 7272 | |
| | 7 | 8,0 | 2 | 205 | 410 | |
| | 8 | 8,0 | 279 | 89 | 24831 | |
| | 9 | 10,0 | 1 | 152 | 152 | |
| | 10 | 10,0 | 1 | 168 | 168 | |
| | 11 | 10,0 | 2 | 544 | 1088 | |
| | 12 | 10,0 | 2 | 428 | 856 | |
| | 13 | 10,0 | 2 | 1108 | 2232 | |
| | 14 | 10,0 | 2 | 355 | 710 | |
| | 15 | 10,0 | 2 | 165 | 330 | |
| | 17 | 10,0 | 1 | 151 | 151 | |
| | 18 | 10,0 | 1 | 240 | 240 | |
| | 19 | 10,0 | 1 | 144 | 144 | |
| | 20 | 10,0 | 2 | 1129 | 2258 | |
| | 21 | 10,0 | 2 | 223 | 446 | |
| | 22 | 10,0 | 1 | 140 | 140 | |
| | 23 | 10,0 | 1 | 147 | 147 | |
| 24 | 10,0 | 2 | 541 | 1082 | | |
| 25 | 10,0 | 3 | 425 | 1275 | | |
| 26 | 10,0 | 2 | 449 | 898 | | |
| 27 | 10,0 | 2 | 445 | 890 | | |
| 28 | 10,0 | 42 | 105 | 4410 | | |
| 29 | 10,0 | 2 | 438 | 876 | | |
| 30 | 10,0 | 2 | 433 | 866 | | |
| 31 | 10,0 | 1 | 107 | 107 | | |
| 32 | 10,0 | 1 | 113 | 113 | | |
| 33 | 10,0 | 2 | 664 | 1328 | | |
| 34 | 12,5 | 3 | 497 | 1491 | | |
| 35 | 12,5 | 6 | 620 | 3720 | | |
| 36 | 12,5 | 3 | 484 | 1452 | | |
| 37 | 12,5 | 2 | 1082 | 2164 | | |
| 38 | 12,5 | 2 | 622 | 1244 | | |
| 39 | 12,5 | 1 | 250 | 250 | | |
| 40 | 12,5 | 1 | 260 | 260 | | |
| 41 | 12,5 | 2 | 157 | 314 | | |
| 42 | 12,5 | 2 | 1187 | 2374 | | |
| 43 | 12,5 | 2 | 652 | 1304 | | |
| 44 | 12,5 | 2 | 815 | 1630 | | |
| 45 | 12,5 | 3 | 857 | 2571 | | |
| 46 | 12,5 | 2 | 462 | 924 | | |
| 47 | 12,5 | 2 | 417 | 834 | | |
| 48 | 12,5 | 2 | 435 | 870 | | |
| 49 | 12,5 | 6 | 630 | 3780 | | |
| 50 | 12,5 | 1 | 181 | 181 | | |
| 51 | 12,5 | 1 | 186 | 186 | | |
| 52 | 12,5 | 2 | 672 | 1344 | | |

| RESUMO DO AÇO | | | | |
|--------------------|--------------|---|------------------------|-------------------|
| AÇO | DIAM (mm) | C.TOTAL (m) | QUANT + 0% (Barras) | PESO + 0% (kg) |
| CA50 | 6.3 | 148.8 | 13 | 36.4 |
| | 8.0 | 252.4 | 22 | 99.6 |
| | 10.0 | 233.7 | 20 | 144.1 |
| | 12.5 | 269.2 | 23 | 259.4 |
| CA60 | 5.0 | 523.7 | 44 | 80.7 |
| PESO TOTAL (kg) | | Volume de concreto (C-25) = 7.87 m³ Área de forma = 80.79 m² | | |
| CA50 | 539.5 | | | |
| CA60 | 80.7 | | | |

SECRETARIA DE MUNICÍPIO DE ELABORAÇÃO DE PROJETOS E CARTAÇÃO DE RECURSOS

SECAPSEP

SUPERINTENDÊNCIA DE ELABORAÇÃO DE PROJETOS


PREFEITO MUNICIPAL: JORGE CLADISTONE POZZOBOM

SECRETÁRIO: JOSÉ ANTÔNIO DE AZEVEDO GOMES

RUA VENÂNCIO AIRES 2277 • 5º ANDAR • CENTRO

CEP 97010-005 • SANTA MARIA • RS

((55)) 3921 7068 • seru@santamaria.rs.gov.br

 **PREFEITURA MUNICIPAL**
DE SANTA MARIA

| | | | |
|--|----------------------------------|--|---------|
| <div>EMEF ERLINDA VINADÉ</div> <div>RUA JORDÂNIA, Nº 133 - BAIRO SÃO JOÃO - SANTA MARIA - RS</div> | | | |
| <div>PROJETO ESTRUTURAL - EDIFICAÇÃO "A"</div> <div>DETALHAMENTO DAS VIGAS DO PAVIMENTO TÉRREO</div> | | | |
| PROPRIETÁRIA / SECRETARIA GESTORA | | PROJETISTA / RESPONSÁVEL TÉCNICO | |
| PREFEITURA MUNICIPAL DE SANTA MARIA | | Eng. Civil Regis C. Moraes CREA/RS 93.278 | |
| ÁREA | DESENHO ORIGINAL | A.R.T. | PRANCHA |
| ESCALA | AJUSTES | | |
| INDICADA | Regis Moraes Engenheiro Civil | | 5/22 |
| UNIDADES | | | |
| CENTÍMETROS | | | |
| ARQUIVO | | | |