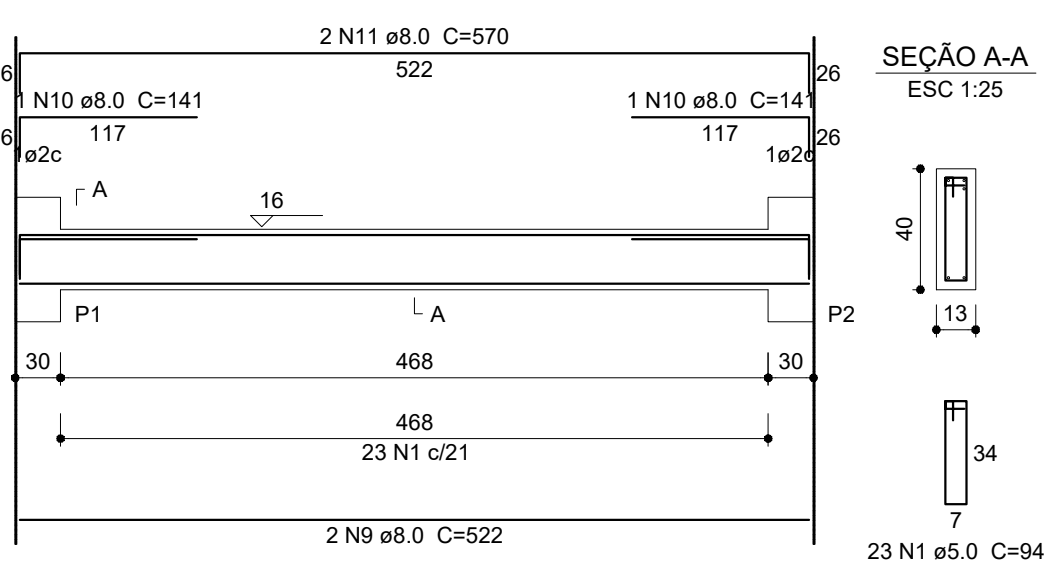


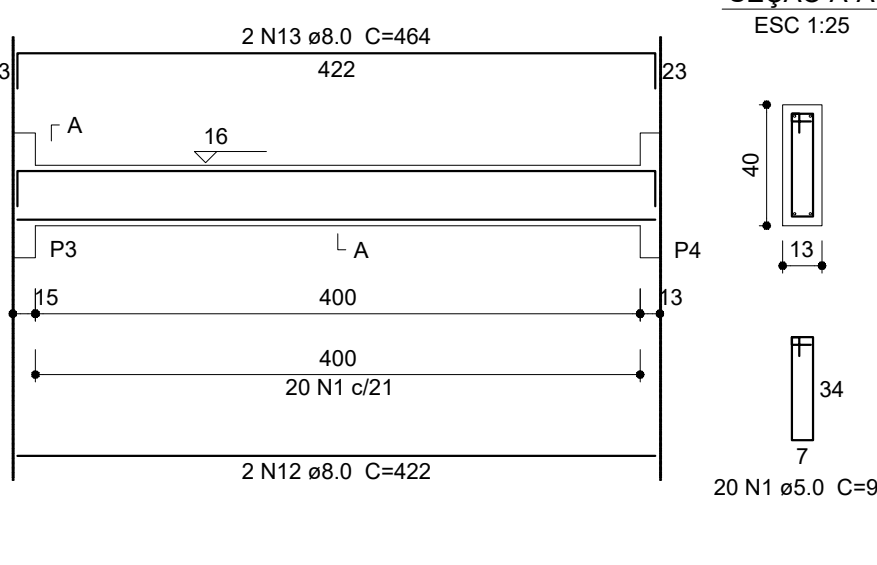
V1

ESC 1:50



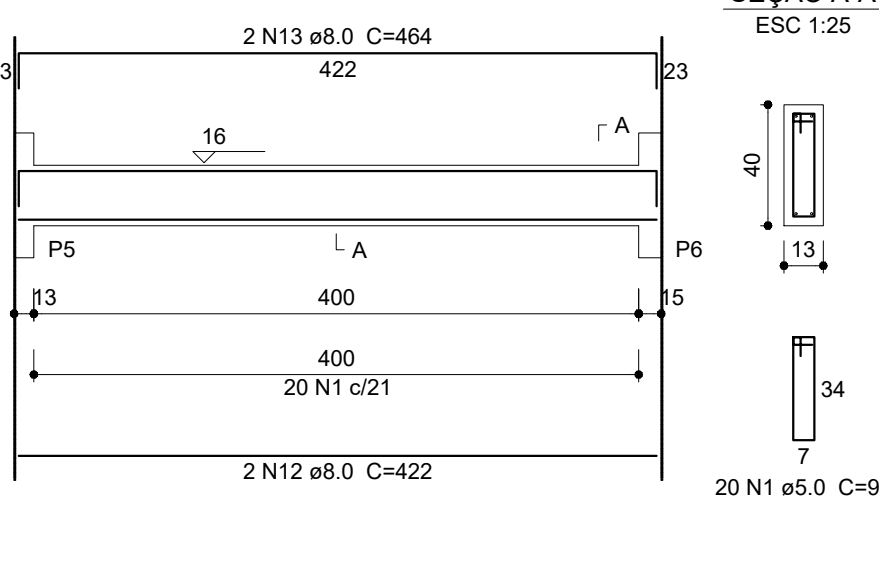
V2

ESC 1:50



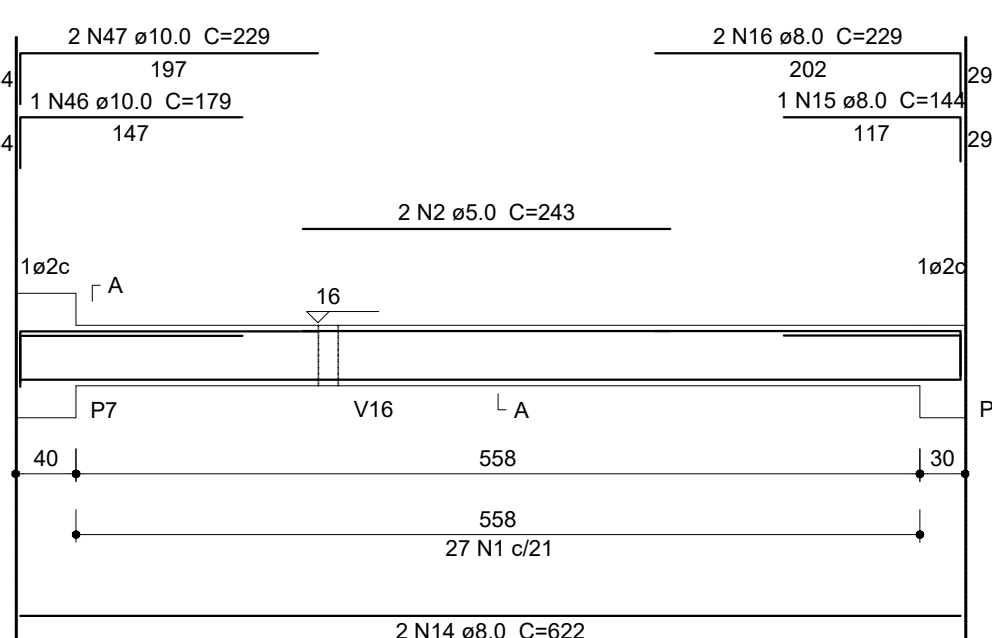
V3

ESC 1:50



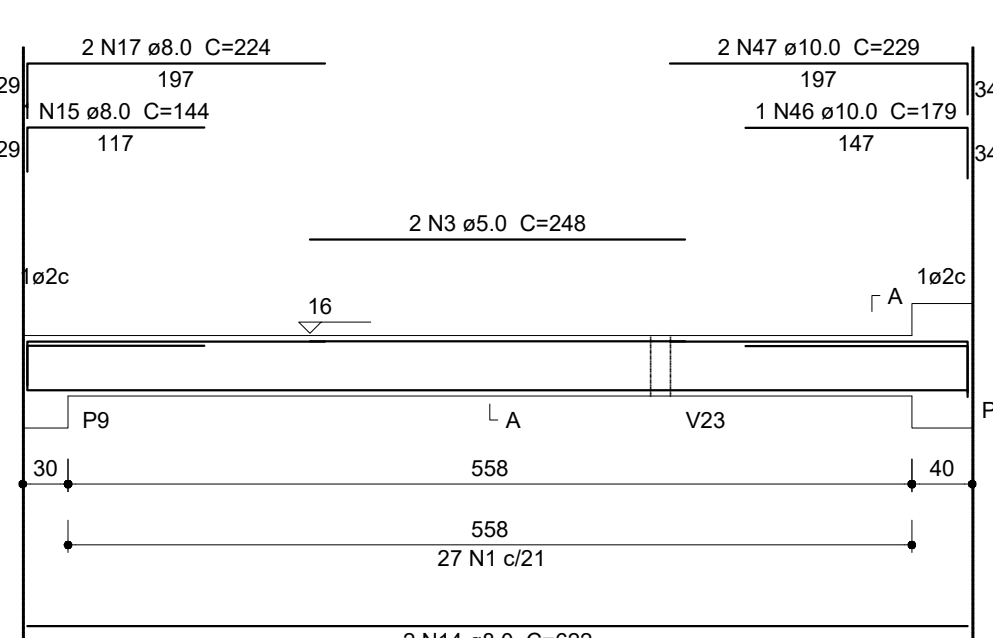
V4

ESC 1:50



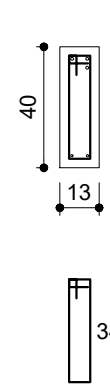
V5

ESC 1:50



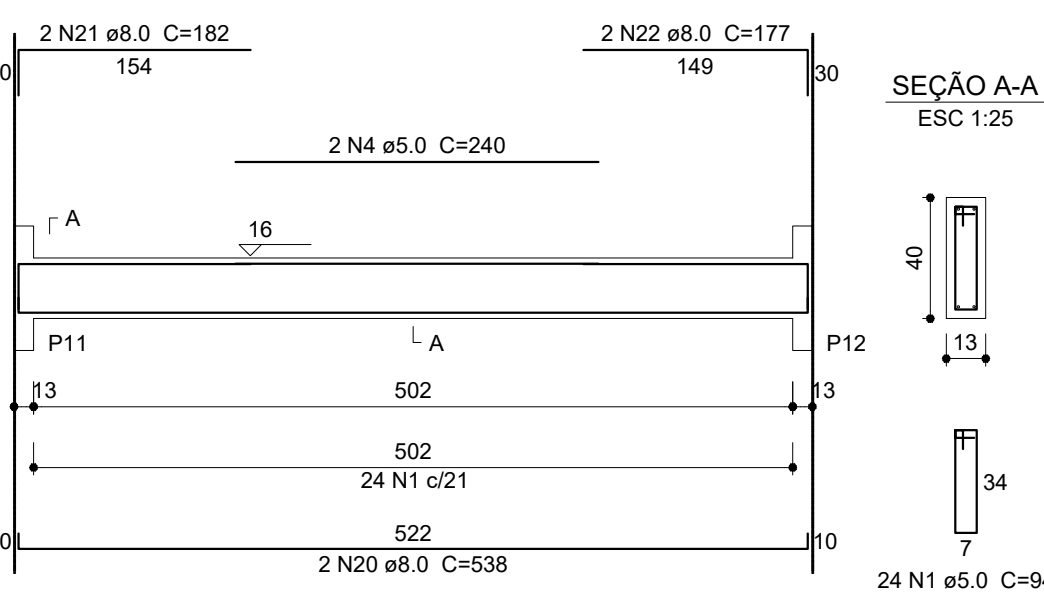
SEÇÃO A-A

ESC 1:25



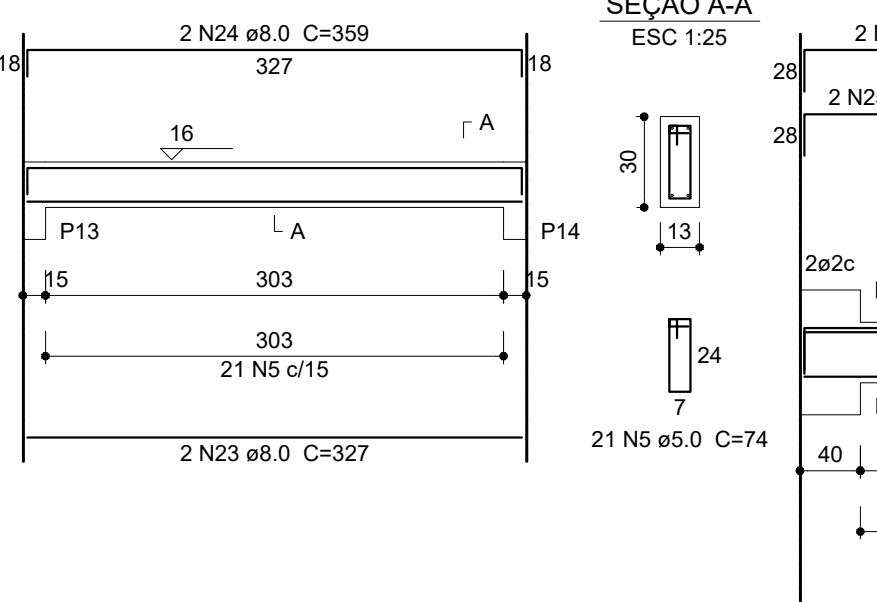
V6

ESC 1:50



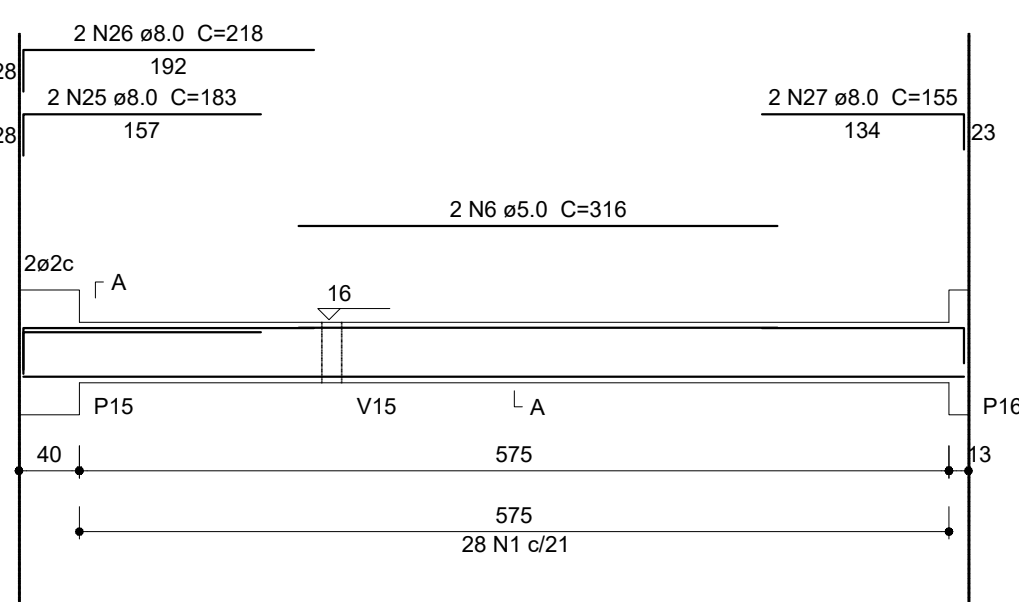
V7

ESC 1:50



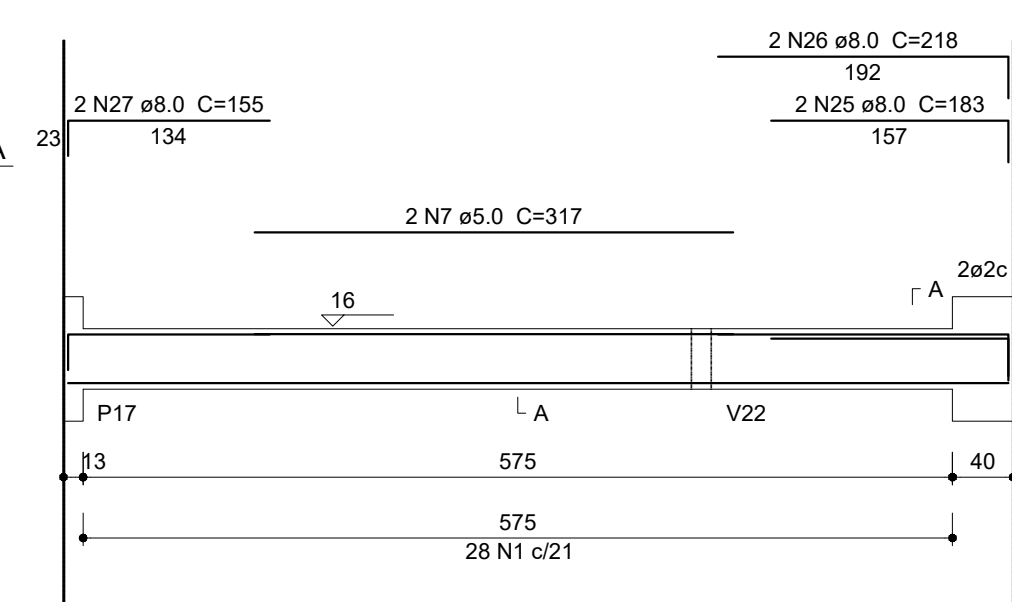
V8

ESC 1:50



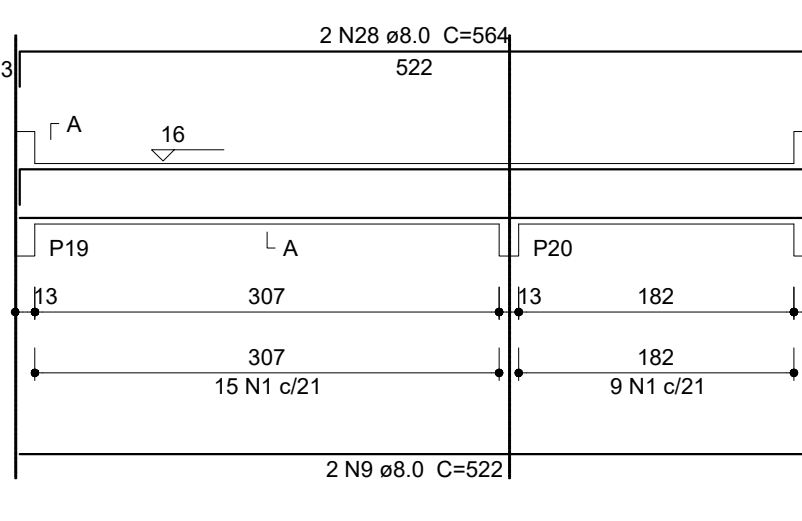
V9

ESC 1:50



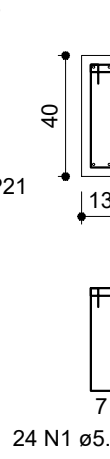
V10

ESC 1:50



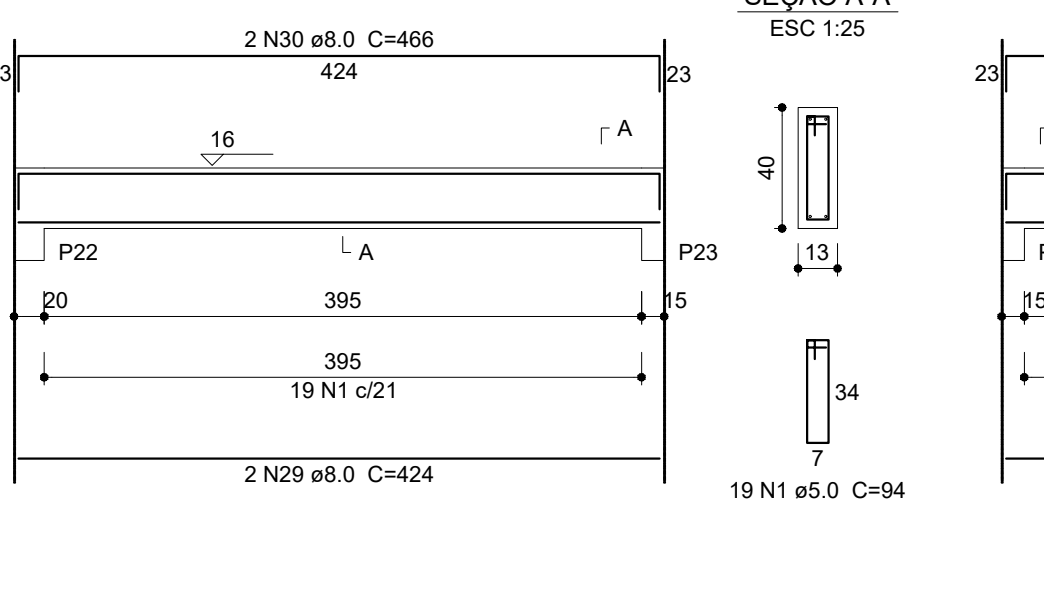
SEÇÃO A-A

ESC 1:25



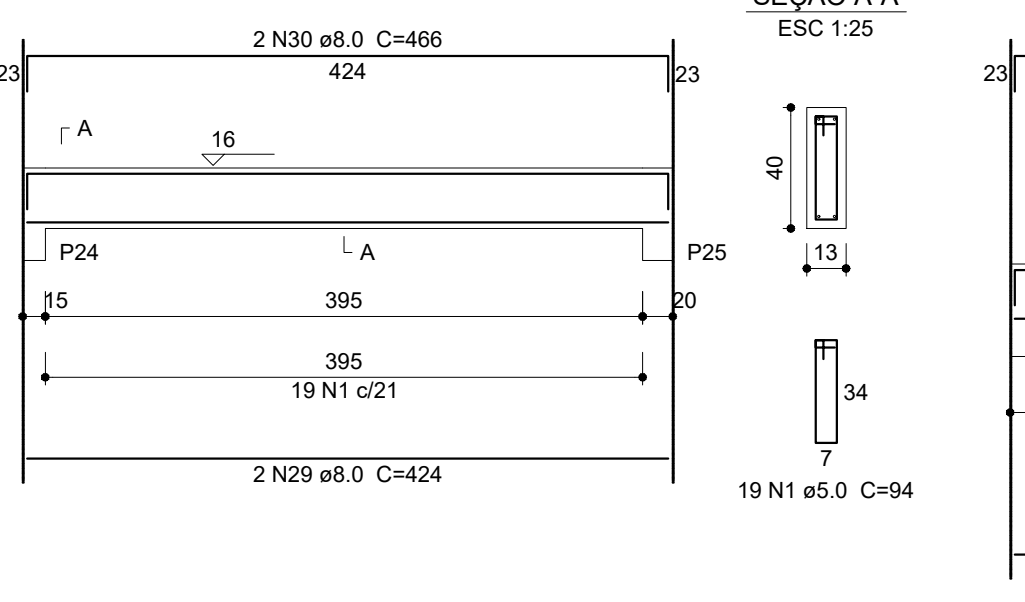
V11

ESC 1:50



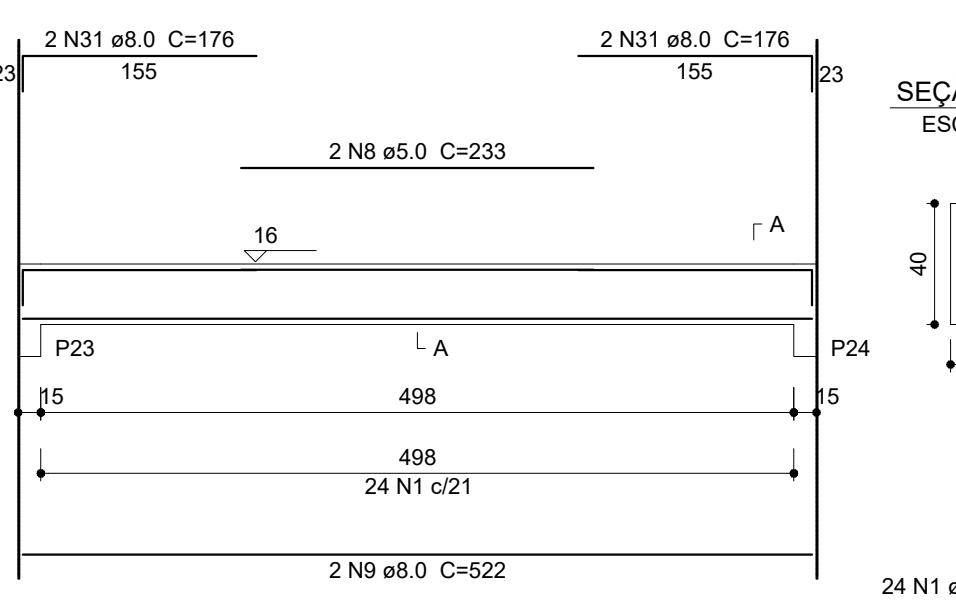
V12

ESC 1:50



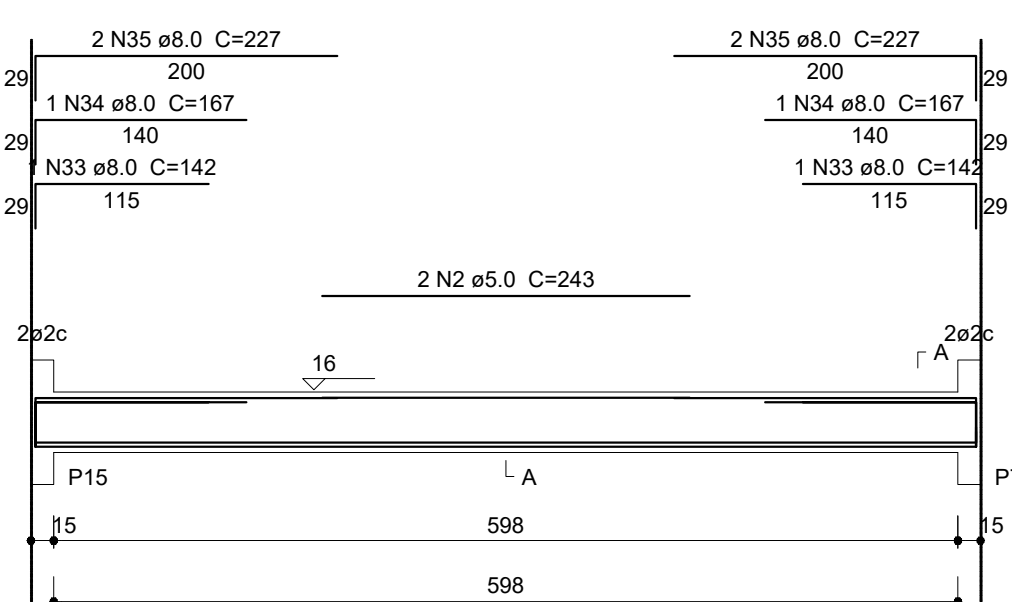
V13

ESC 1:50



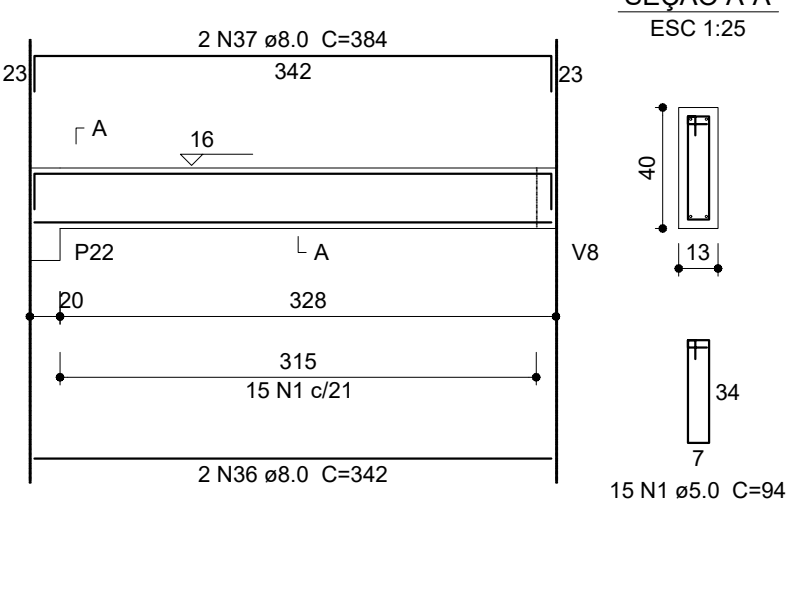
V14

ESC 1:50



V15

ESC 1:50



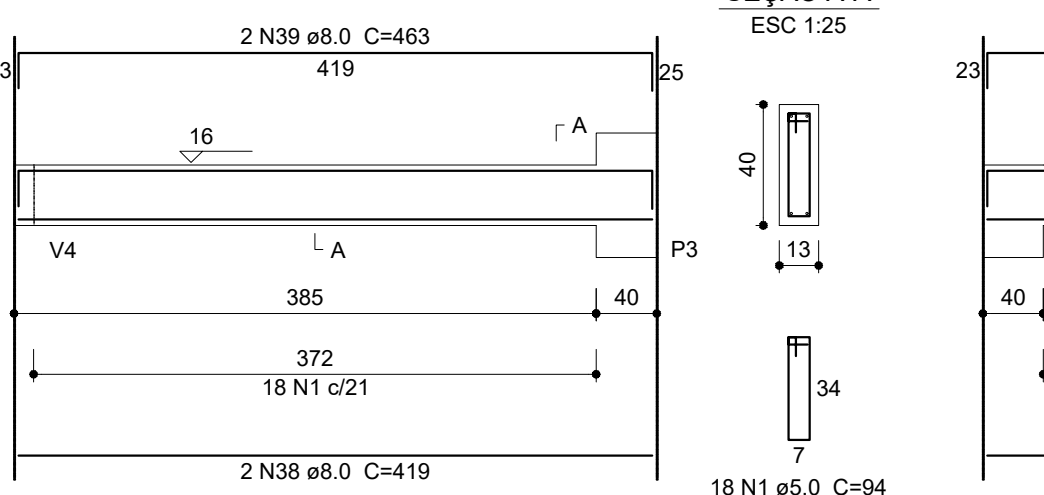
SEÇÃO A-A

ESC 1:25



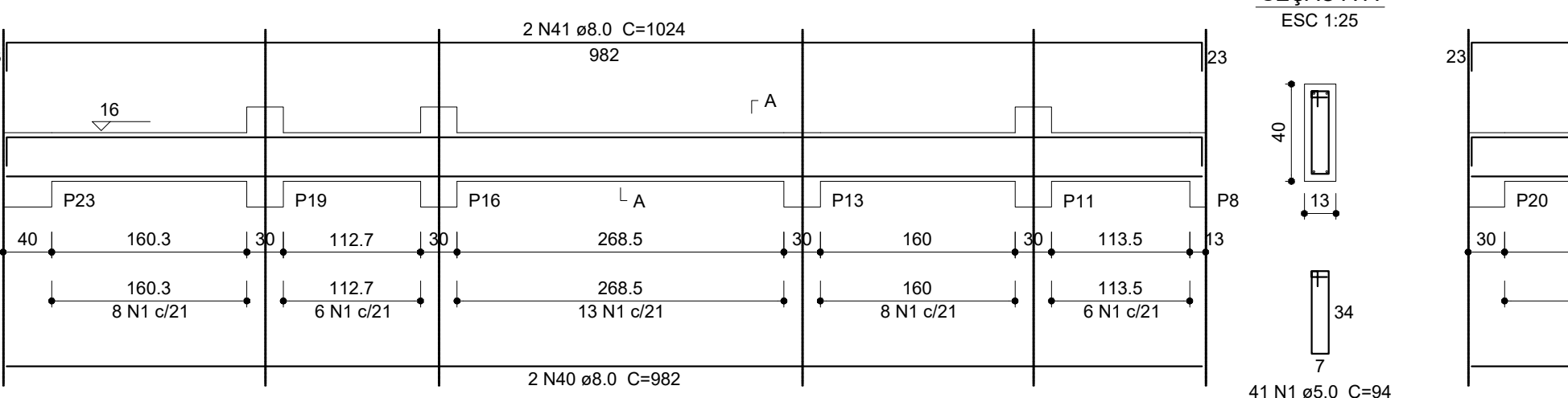
V16

ESC 1:50



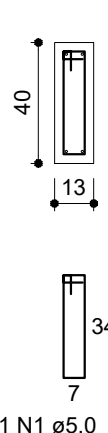
V17

ESC 1:50



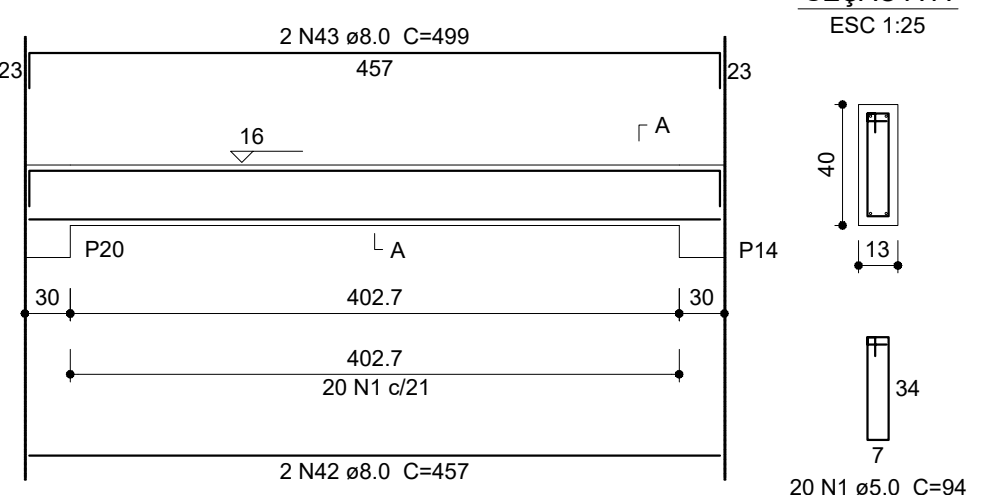
SEÇÃO A-A

ESC 1:25



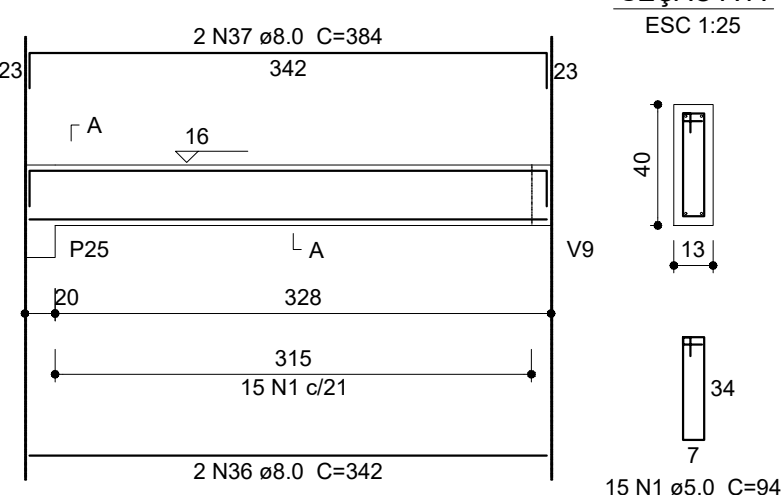
V19

ESC 1:50



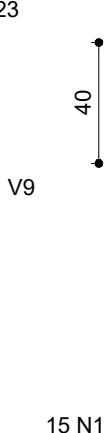
V22

ESC 1:50



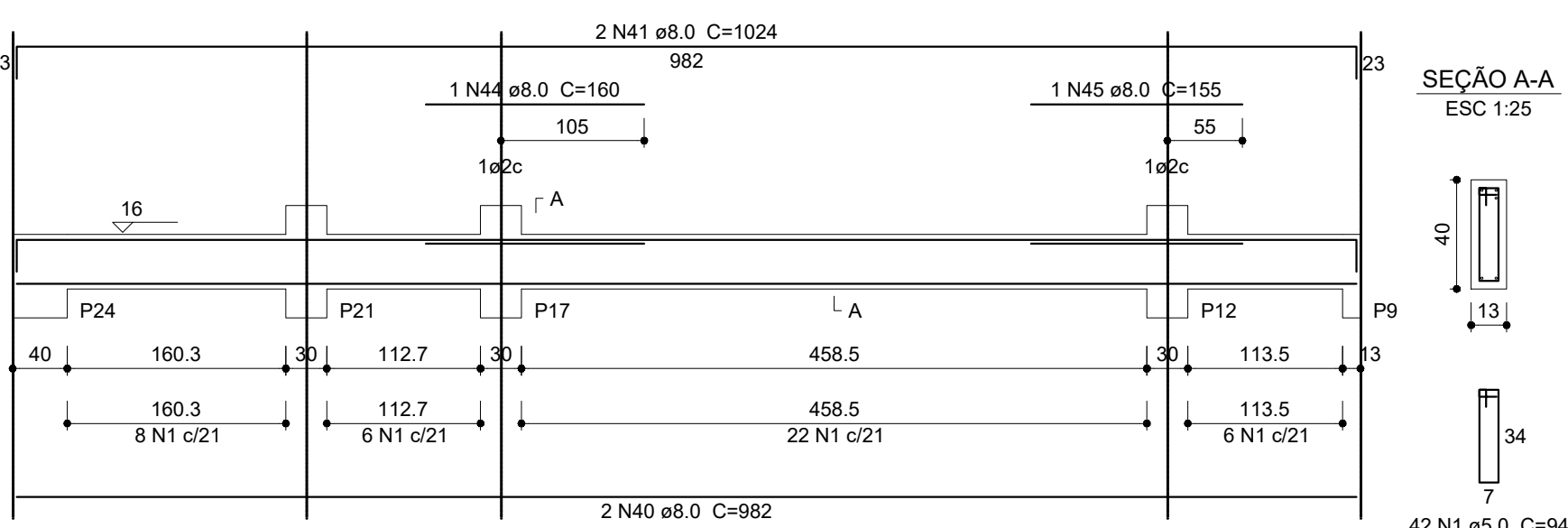
SEÇÃO A-A

ESC 1:25



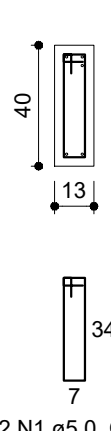
V20

ESC 1:50



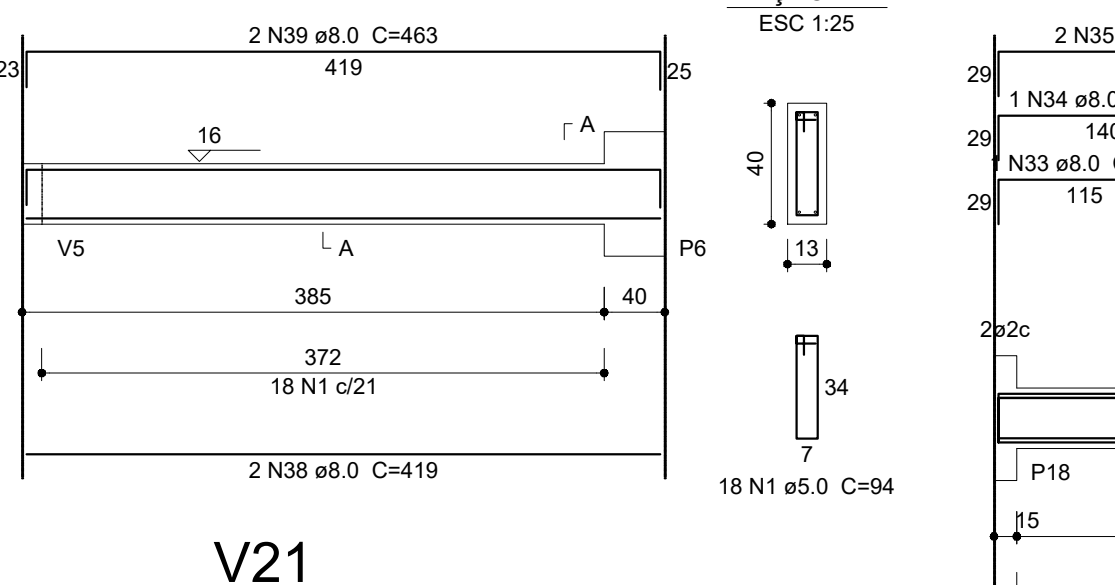
SEÇÃO A-A

ESC 1:25



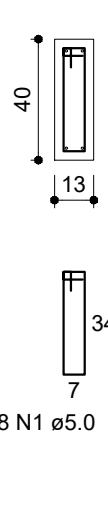
V23

ESC 1:50



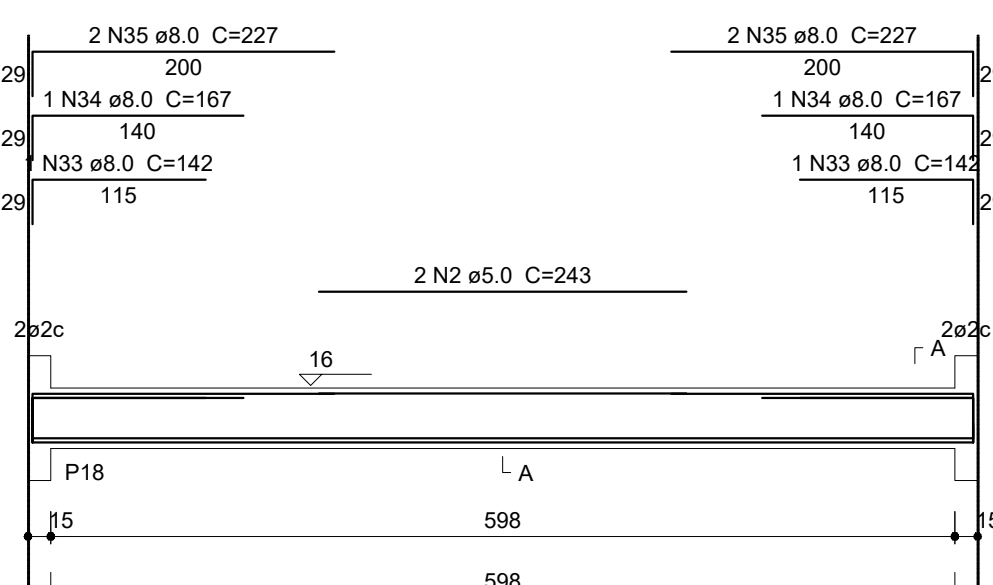
SEÇÃO A-A

ESC 1:25



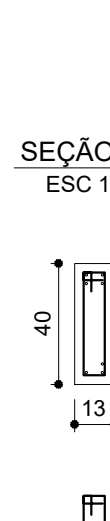
V24

ESC 1:50



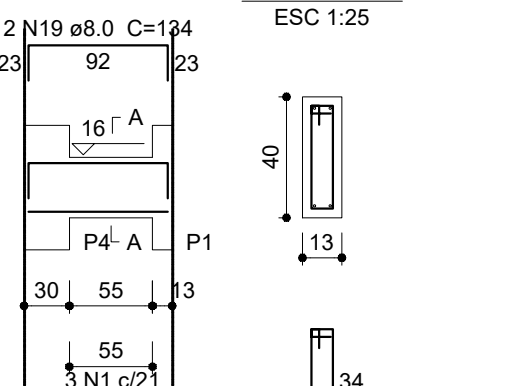
SEÇÃO A-A

ESC 1:25



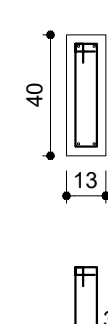
V18

ESC 1:50



SEÇÃO A-A

ESC 1:25



Relação do aço

| AÇO | N | DIAM (mm) | QUANT (Barras) | UNIT (cm) | C.TOTAL (cm) |
|------|----|-----------|----------------|-----------|--------------|
| CA60 | 1 | 5.0 | 516 | 94 | 48504 |
| | 2 | 5.0 | 6 | 243 | 1458 |
| | 3 | 5.0 | 2 | 248 | 496 |
| | 4 | 5.0 | 2 | 240 | 480 |
| | 5 | 5.0 | 21 | 74 | 1554 |
| | 6 | 5.0 | 2 | 316 | 632 |
| | 7 | 5.0 | 2 | 317 | 634 |
| | 8 | 5.0 | 2 | 233 | 466 |
| | 9 | 8.0 | 6 | 522 | 3132 |
| | 10 | 8.0 | 2 | 141 | 282 |
| | 11 | 8.0 | 2 | 570 | 1140 |
| | 12 | 8.0 | 4 | 422 | 1688 |
| | 13 | 8.0 | 4 | 464 | 1856 |
| | 14 | 8.0 | 8 | 622 | 4976 |
| | 15 | 8.0 | 2 | 144 | 288 |
| | 16 | 8.0 | 2 | 229 | 458 |
| | 17 | 8.0 | 2 | 224 | 448 |
| | 18 | 8.0 | 4 | 92 | 368 |
| | 19 | 8.0 | 4 | 134 | 536 |
| | 20 | 8.0 | 2 | 538 | 1076 |
| | 21 | 8.0 | 2 | 182 | 364 |
| | 22 | 8.0 | 2 | 177 | 354 |
| | 23 | 8.0 | 2 | 327 | 654 |
| | 24 | 8.0 | 2 | 359 | 718 |
| | 25 | 8.0 | 4 | 183 | 732 |
| | 26 | 8.0 | 4 | 218 | 872 |
| | 27 | 8.0 | 4 | 155 | 620 |
| | 28 | 8.0 | 2 | 564 | 1128 |
| | 29 | 8.0 | 4 | 424 | 1696 |
| | 30 | 8.0 | 4 | 466 | 1864 |
| | 31 | 8.0 | 4 | 176 | 704 |
| | 32 | 8.0 | 6 | 638 | 3828 |
| | 33 | 8.0 | 4 | 142 | 568 |
| | 34 | 8.0 | 4 | 167 | 668 |
| | 35 | 8.0 | 8 | 227 | 1816 |
| | 36 | 8.0 | 4 | 342 | 1368 |
| | 37 | 8.0 | 4 | 384 | 1536 |
| | 38 | 8.0 | 4 | 419 | 1676 |
| | 39 | 8.0 | 4 | 463 | 1852 |
| | 40 | 8.0 | 4 | 982 | 3928 |
| | 41 | 8.0 | 4 | 1024 | 4096 |
| | 42 | 8.0 | 2 | 457 | 914 |
| | 43 | 8.0 | 2 | 499 | 998 |
| | 44 | 8.0 | 1 | 160 | 160 |
| | 45 | 8.0 | 1 | 155 | 155 |
| | 46 | 10.0 | 2 | 179 | 358 |
| | 47 | 10.0 | 4 | 229 | 916 |

Resumo do aço

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 10 % (kg) |
|-----------------|-----------|-------------|------------------|
| CA50 | 8.0 | 495.2 | 214.9 |
| | 10.0 | 12.8 | 8.6 |
| CA60 | 5.0 | 542.3 | 91.9 |
| PESO TOTAL (kg) | | | |
| CA50 | 223.6 | | |
| CA60 | 91.9 | | |

Volume de concreto (C-25) = 6.25 m³
Área de forma = 111.95 m²

PROPRIETÁRIO/RES. PELO USO:

RESPONSÁVEL TÉCNICO:

| | | | |
|---------|------------------|------------------|-------------|
| | | | |
| | | | |
| | | | |
| OO | EMISSION INICIAL | - | 1/9/11/2019 |
| REVISÃO | DESCRIÇÃO | CORREÇÃO DESENHO | DATA |

CLIENTE:
PREFEITURA MUNICIPAL DE SÃO CARLOS
CNPJ: 45.358.249/0001-01

AUTOR DO PROJETO:

FFF PROJETOS E ASSESSORIA
EM CONSTRUÇÕES LTDA
CNPJ: 26.480.545/0001-36



ENDEREÇO: AV. CORRADI SEGUNDO, 1505 - RES. CAETAI
CEP: 13520-000 - CERQUILHO-SP
FONE/FAX: (15) 33384-1170

RESPONSÁVEL TÉCNICO:
FELIPE FERRARI FAKRI
CREA: 506970406-3/SP
ART: 28027230191175590

PROJETO:
PROJETO ESTRUTURAL - CEMEI NILSON APARECIDO GONÇALVES

PROPRIETÁRIO:
PREFEITURA MUNICIPAL DE SÃO CARLOS CNPJ: 45.358.249/0001-01

RES. PELO USO:
PREFEITURA MUNICIPAL DE SÃO CARLOS CNPJ: 45.358.249/0001-01

ENDEREÇO:
RUA VEREADOR ANTÔNIO DE PAULA FRANCO, Nº 150 - BAIRRO: JD. EMBARÉ - SÃO CARLOS/SP

DESENHO: 01

ESCALA:
INDICADA

DATA:
NOV/2019

TÍTULO:
DETALHES VIGAS BALDRAME

PRANCHA:

FL. 04/04