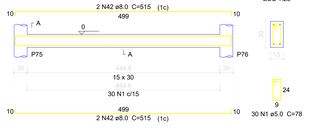
# DETALHES DE VIGAS BALDRAME

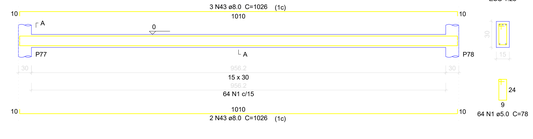
## VB 24
ESC 1:50




SEÇÃO A-A
ESC 1:25



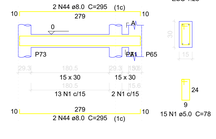

## VB 25
ESC 1:50




SEÇÃO A-A
ESC 1:25



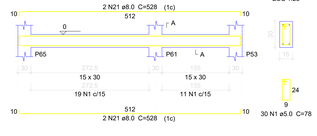

## VB 26
ESC 1:50




SEÇÃO A-A
ESC 1:25



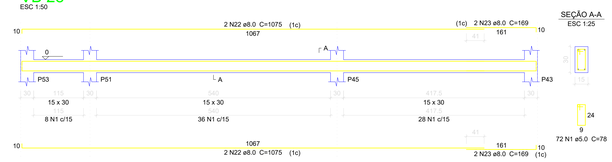

## VB 27
ESC 1:50




SEÇÃO A-A
ESC 1:25



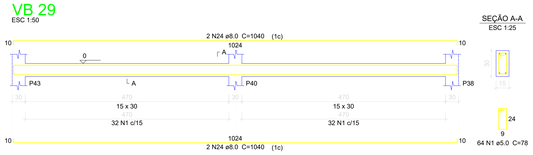

## VB 28
ESC 1:50




SEÇÃO A-A
ESC 1:25



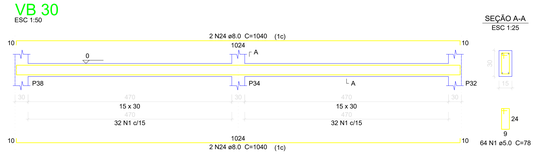

## VB 29
ESC 1:50




SEÇÃO A-A
ESC 1:25



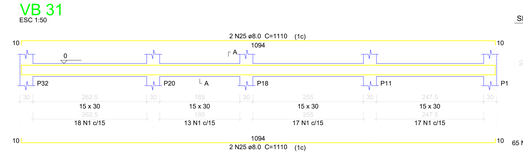

## VB 30
ESC 1:50




SEÇÃO A-A
ESC 1:25



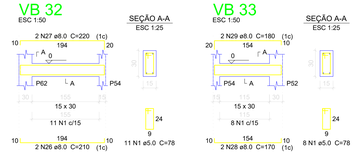

## VB 31
ESC 1:50




SEÇÃO A-A
ESC 1:25




## VB 32
ESC 1:50




SEÇÃO A-A
ESC 1:25



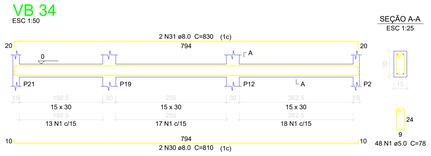

## VB 33
ESC 1:50




SEÇÃO A-A
ESC 1:25



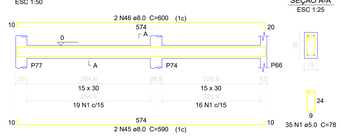

## VB 34
ESC 1:50




SEÇÃO A-A
ESC 1:25



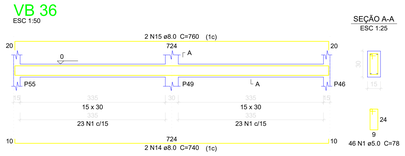

## VB 35
ESC 1:50




SEÇÃO A-A
ESC 1:25



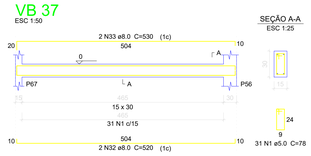

## VB 36
ESC 1:50




SEÇÃO A-A
ESC 1:25



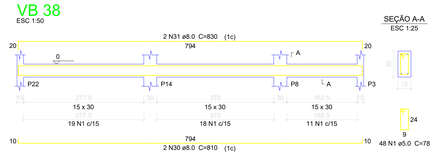

## VB 37
ESC 1:50




SEÇÃO A-A
ESC 1:25



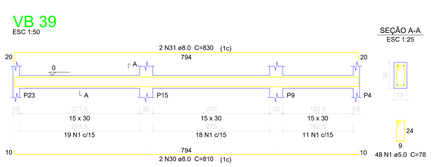

## VB 38
ESC 1:50




SEÇÃO A-A
ESC 1:25



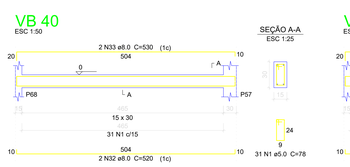

## VB 39
ESC 1:50




SEÇÃO A-A
ESC 1:25



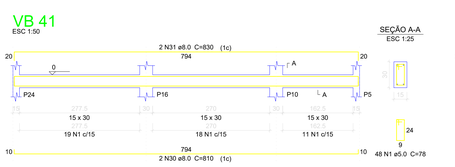

## VB 40
ESC 1:50




SEÇÃO A-A
ESC 1:25



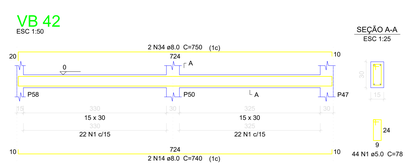

## VB 41
ESC 1:50




SEÇÃO A-A
ESC 1:25



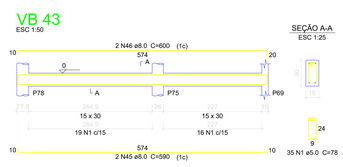

## VB 42
ESC 1:50




SEÇÃO A-A
ESC 1:25



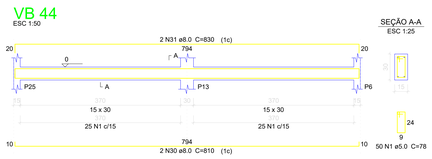

## VB 43
ESC 1:50




SEÇÃO A-A
ESC 1:25




## VB 44
ESC 1:50




SEÇÃO A-A
ESC 1:25



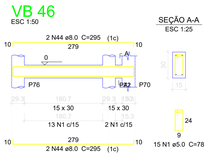

## VB 45
ESC 1:50




SEÇÃO A-A
ESC 1:25




## VB 46
ESC 1:50




SEÇÃO A-A
ESC 1:25




## VB 47
ESC 1:50




SEÇÃO A-A
ESC 1:25




## VB 48
ESC 1:50




SEÇÃO A-A
ESC 1:25




## VB 49
ESC 1:50




SEÇÃO A-A
ESC 1:25




## VB 50
ESC 1:50




SEÇÃO A-A
ESC 1:25




## VB 51
ESC 1:50




SEÇÃO A-A
ESC 1:25




## VB 52
ESC 1:50




SEÇÃO A-A
ESC 1:25




### Relação do aço

| | | |
|---|---|---|
| VB 1 | VB 2 | VB 3 |
| VB 4 | VB 5 | VB 6 |
| VB 7 | VB 8 | VB 9 |
| VB 10 | VB 11 | VB 12 |
| VB 13 | VB 14 | VB 15 |
| VB 16 | VB 17 | VB 18 |
| VB 19 | VB 20 | VB 21 |
| VB 22 | VB 23 | VB 24 |
| VB 25 | VB 26 | VB 27 |
| VB 28 | VB 29 | VB 30 |
| VB 31 | VB 32 | VB 33 |
| VB 34 | VB 35 | VB 36 |
| VB 37 | VB 38 | VB 39 |
| VB 40 | VB 41 | VB 42 |
| VB 43 | VB 44 | VB 45 |
| VB 46 | VB 47 | VB 48 |
| VB 49 | VB 50 | VB 51 |
| VB 52 | | |

| AÇO | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|---|---|---|---|---|---|
| CA60 | 1 | 5.0 | 2054 | 78 | 160212 |
| CA50 | 2 | 8.0 | 4 | 1073 | 4292 |
| | 3 | 8.0 | 4 | 1083 | 4332 |
| | 4 | 8.0 | 4 | 978 | 3912 |
| | 5 | 8.0 | 4 | 988 | 3952 |
| | 6 | 8.0 | 8 | 280 | 2240 |
| | 7 | 8.0 | 8 | 300 | 2400 |
| | 8 | 8.0 | 8 | 760 | 6080 |
| | 9 | 8.0 | 4 | 615 | 2460 |
| | 10 | 8.0 | 2 | 634 | 1268 |
| | 11 | 8.0 | 3 | 643 | 1929 |
| | 12 | 8.0 | 4 | 260 | 1040 |
| | 13 | 8.0 | 4 | 280 | 1120 |
| | 14 | 8.0 | 8 | 740 | 5920 |
| | 15 | 8.0 | 6 | 760 | 4560 |
| | 16 | 8.0 | 2 | 240 | 480 |
| | 17 | 8.0 | 2 | 250 | 500 |
| | 18 | 8.0 | 4 | 748 | 2992 |
| | 19 | 8.0 | 4 | 758 | 3032 |
| | 20 | 8.0 | 4 | 594 | 2376 |
| | 21 | 8.0 | 8 | 528 | 4224 |
| | 22 | 8.0 | 8 | 1075 | 8600 |
| | 23 | 8.0 | 8 | 169 | 1352 |
| | 24 | 8.0 | 16 | 1040 | 16640 |
| | 25 | 8.0 | 8 | 1110 | 8880 |
| | 26 | 8.0 | 2 | 210 | 420 |
| | 27 | 8.0 | 2 | 220 | 440 |
| | 28 | 8.0 | 4 | 170 | 680 |
| | 29 | 8.0 | 2 | 180 | 360 |
| | 30 | 8.0 | 10 | 810 | 8100 |
| | 31 | 8.0 | 10 | 830 | 8300 |
| | 32 | 8.0 | 4 | 520 | 2080 |
| | 33 | 8.0 | 4 | 530 | 2120 |
| | 34 | 8.0 | 2 | 750 | 1500 |
| | 35 | 8.0 | 2 | 190 | 380 |
| | 36 | 8.0 | 2 | 330 | 660 |
| | 37 | 8.0 | 1 | 215 | 215 |
| | 38 | 8.0 | 2 | 347 | 694 |
| | 39 | 8.0 | 2 | 330 | 660 |
| | 40 | 8.0 | 2 | 340 | 680 |
| | 41 | 8.0 | 4 | 559 | 2236 |
| | 42 | 8.0 | 4 | 515 | 2060 |
| | 43 | 8.0 | 5 | 1026 | 5130 |
| | 44 | 8.0 | 8 | 295 | 2360 |
| | 45 | 8.0 | 4 | 590 | 2360 |
| | 46 | 8.0 | 4 | 600 | 2400 |
| | 47 | 8.0 | 4 | 716 | 2864 |

### Resumo do aço

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 10 % (kg) |
|---|---|---|---|
| CA50 | 8.0 | 1412.8 | 613.8 |
| CA60 | 5.0 | 1602.1 | 271.4 |
| PESO TOTAL (kg) | | | |
| CA50 | 613.8 | | |
| CA60 | 271.4 | | |

Volume de concreto (C-25) = 15.98 m³
Área de forma = 286.3 m²

**PROJETO ESTRUTURAL**

MUNICÍPIO DE INÁCIO MARTINS

OBRA: CENTRO DE CONVIVENCIA DO IDOSO
TÍTULO: • Detalhes de Vigas Baldrame
DATA: NOV/2025
ÁREA TOTAL: 1000.00 m²
ESCALA: INDICADA
FOL: 04 / 11

MUNICÍPIO DE INÁCIO MARTINS
PROPRIETÁRIO

Edson dos Santos Pepe
CREA/PR-130743/D