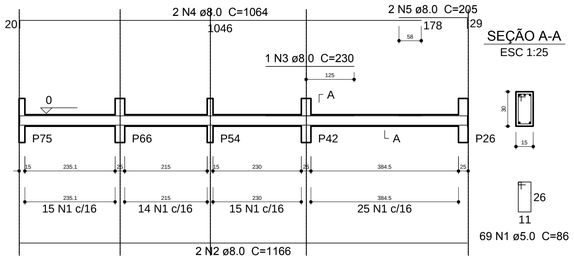
## VB55
ESC 1:75

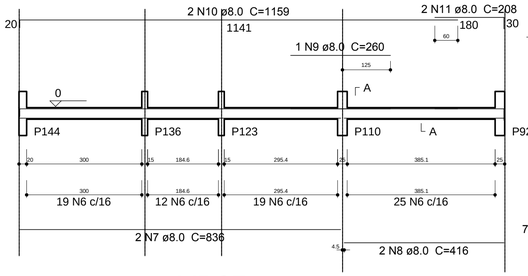



SEÇÃO A-A
ESC 1:25

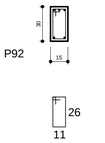


69 N1 ø5.0 C=86

## VB57
ESC 1:75

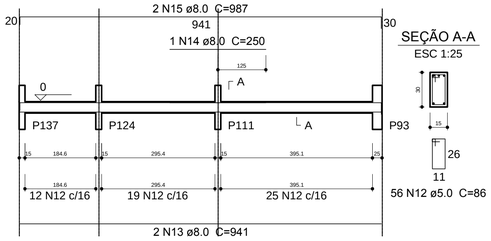



SEÇÃO A-A
ESC 1:25



75 N6 ø5.0 C=86

## VB61
ESC 1:75

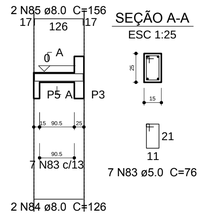



SEÇÃO A-A
ESC 1:25



56 N12 ø5.0 C=86

## VB94
ESC 1:75




SEÇÃO A-A
ESC 1:25

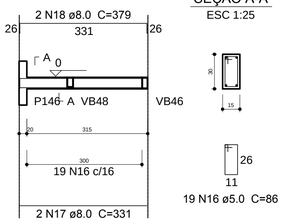


7 N83 ø5.0 C=76

## Relação do aço

| ELEMENTO | AÇO | N | DIAM (mm) | QUANT (Barras) | UNIT (cm) | C.TOTAL (cm) |
|---|---|---|---|---|---|---|
| VB55 | CA60 | 1 | 5.0 | 69 | 86 | 5934 |
| | CA50 | 2 | 8.0 | 2 | 1166 | 2332 |
| | CA50 | 3 | 8.0 | 1 | 230 | 230 |
| | CA50 | 4 | 8.0 | 2 | 1064 | 2128 |
| | CA50 | 5 | 8.0 | 2 | 205 | 410 |
| VB57 | CA60 | 6 | 5.0 | 75 | 86 | 6450 |
| | CA50 | 7 | 8.0 | 2 | 836 | 1672 |
| | CA50 | 8 | 8.0 | 2 | 416 | 832 |
| | CA50 | 9 | 8.0 | 1 | 260 | 260 |
| | CA50 | 10 | 8.0 | 2 | 1159 | 2318 |
| | CA50 | 11 | 8.0 | 2 | 208 | 416 |
| VB61 | CA60 | 12 | 5.0 | 56 | 86 | 4816 |
| | CA50 | 13 | 8.0 | 2 | 941 | 1882 |
| | CA50 | 14 | 8.0 | 1 | 250 | 250 |
| | CA50 | 15 | 8.0 | 2 | 987 | 1974 |
| VB63 | CA60 | 16 | 5.0 | 19 | 86 | 1634 |
| | CA50 | 17 | 8.0 | 2 | 331 | 662 |
| | CA50 | 18 | 8.0 | 2 | 379 | 758 |
| VB64 | CA60 | 19 | 5.0 | 43 | 86 | 3698 |
| | CA50 | 20 | 8.0 | 2 | 741 | 1482 |
| | CA50 | 21 | 8.0 | 1 | 280 | 280 |
| | CA50 | 22 | 8.0 | 2 | 785 | 1570 |
| VB65 | CA60 | 23 | 5.0 | 41 | 86 | 3526 |
| | CA50 | 24 | 8.0 | 2 | 691 | 1382 |
| | CA50 | 25 | 8.0 | 1 | 230 | 230 |
| | CA50 | 26 | 8.0 | 2 | 736 | 1472 |
| VB66 | CA60 | 27 | 5.0 | 66 | 86 | 5676 |
| | CA50 | 28 | 8.0 | 2 | 1102 | 2204 |
| | CA50 | 29 | 8.0 | 2 | 1126 | 2252 |
| VB67 | CA60 | 30 | 5.0 | 28 | 86 | 2408 |
| | CA50 | 31 | 8.0 | 2 | 476 | 952 |
| | CA50 | 32 | 8.0 | 2 | 512 | 1024 |
| VB68 | CA60 | 33 | 5.0 | 14 | 76 | 1064 |
| | CA50 | 34 | 8.0 | 2 | 214 | 428 |
| | CA50 | 35 | 8.0 | 2 | 236 | 472 |
| VB69 | CA60 | 36 | 5.0 | 41 | 86 | 3526 |
| | CA50 | 37 | 8.0 | 2 | 691 | 1382 |
| | CA50 | 38 | 8.0 | 1 | 230 | 230 |
| | CA50 | 39 | 8.0 | 2 | 736 | 1472 |
| VB70 | CA60 | 40 | 5.0 | 28 | 86 | 2408 |
| | CA50 | 41 | 8.0 | 3 | 484 | 1452 |
| | CA50 | 42 | 8.0 | 2 | 520 | 1040 |
| VB71 | CA60 | 43 | 5.0 | 88 | 86 | 7568 |
| | CA50 | 44 | 8.0 | 2 | 1054 | 2108 |
| | CA50 | 45 | 8.0 | 2 | 439 | 878 |
| | CA50 | 46 | 8.0 | 1 | 595 | 595 |
| | CA50 | 47 | 8.0 | 1 | 582 | 582 |
| | CA50 | 48 | 8.0 | 2 | 1198 | 2396 |
| | CA50 | 49 | 8.0 | 2 | 401 | 802 |
| VB72 | CA60 | 50 | 5.0 | 26 | 106 | 2756 |
| | CA50 | 51 | 8.0 | 2 | 591 | 1182 |
| | CA50 | 52 | 8.0 | 2 | 641 | 1282 |
| VB73 | CA60 | 53 | 5.0 | 24 | 106 | 2544 |
| | CA50 | 54 | 8.0 | 4 | 531 | 2124 |
| | CA50 | 55 | 8.0 | 2 | 581 | 1162 |
| VB74 | CA60 | 56 | 5.0 | 39 | 86 | 3354 |
| | CA50 | 57 | 8.0 | 2 | 669 | 1338 |
| | CA50 | 58 | 8.0 | 1 | 607 | 607 |
| | CA50 | 59 | 8.0 | 2 | 713 | 1426 |
| VB75 | CA60 | 60 | 5.0 | 32 | 76 | 2432 |
| | CA50 | 61 | 8.0 | 2 | 454 | 908 |
| | CA50 | 62 | 8.0 | 2 | 484 | 968 |
| VB76 | CA60 | 63 | 5.0 | 28 | 76 | 2128 |
| | CA50 | 64 | 8.0 | 2 | 400 | 800 |
| | CA50 | 65 | 8.0 | 2 | 438 | 876 |
| VB77 | CA60 | 66 | 5.0 | 36 | 76 | 2736 |
| | CA50 | 67 | 8.0 | 2 | 501 | 1002 |
| | CA50 | 68 | 8.0 | 2 | 535 | 1070 |
| VB78 | CA60 | 69 | 5.0 | 41 | 86 | 3526 |
| | CA50 | 70 | 8.0 | 2 | 691 | 1382 |
| | CA50 | 71 | 8.0 | 2 | 727 | 1454 |
| VB79 | CA60 | 72 | 5.0 | 21 | 76 | 1596 |
| | CA50 | 73 | 8.0 | 2 | 311 | 622 |
| | CA50 | 74 | 8.0 | 1 | 146 | 146 |
| | CA50 | 75 | 8.0 | 2 | 359 | 718 |
| VB82 | CA60 | 76 | 5.0 | 21 | 76 | 1596 |
| | CA50 | 77 | 8.0 | 2 | 311 | 622 |
| | CA50 | 78 | 8.0 | 1 | 145 | 145 |
| | CA50 | 79 | 8.0 | 2 | 357 | 714 |
| VB83 | CA60 | 80 | 5.0 | 2 | 246 | 492 |
| | CA60 | 81 | 5.0 | 17 | 76 | 1292 |
| | CA50 | 82 | 8.0 | 2 | 246 | 492 |
| VB94 | CA60 | 83 | 5.0 | 7 | 76 | 532 |
| | CA50 | 84 | 8.0 | 2 | 126 | 252 |
| | CA50 | 85 | 8.0 | 2 | 156 | 312 |

## VB63
ESC 1:75

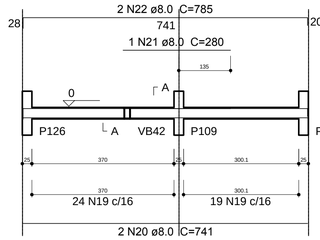



SEÇÃO A-A
ESC 1:25

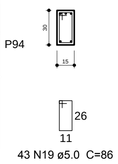


19 N16 ø5.0 C=86

## VB64
ESC 1:75

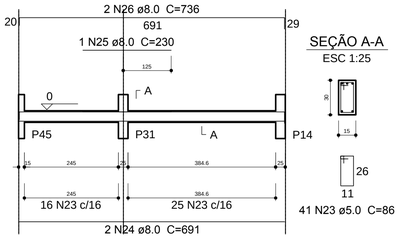



SEÇÃO A-A
ESC 1:25



43 N19 ø5.0 C=86

## VB65
ESC 1:75

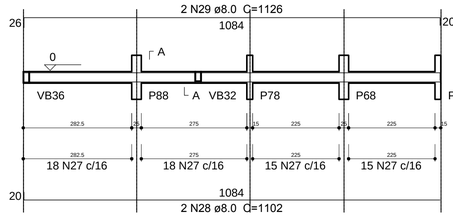



SEÇÃO A-A
ESC 1:25

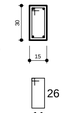


41 N23 ø5.0 C=86

## VB66
ESC 1:75

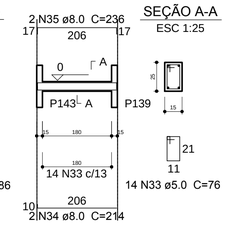



SEÇÃO A-A
ESC 1:25



66 N27 ø5.0 C=86

## VB68
ESC 1:75

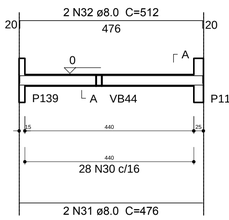



SEÇÃO A-A
ESC 1:25



14 N33 ø5.0 C=76

## VB67
ESC 1:75

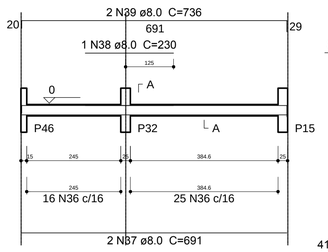



SEÇÃO A-A
ESC 1:25

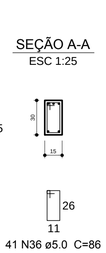


28 N30 ø5.0 C=86

## VB69
ESC 1:75

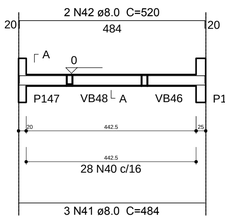



SEÇÃO A-A
ESC 1:25

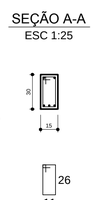


41 N36 ø5.0 C=86

## VB70
ESC 1:75

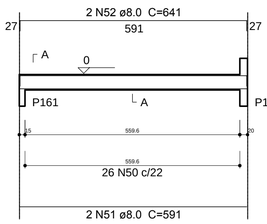



SEÇÃO A-A
ESC 1:25

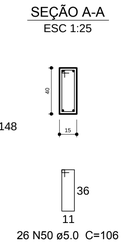


28 N40 ø5.0 C=86

## VB72
ESC 1:75

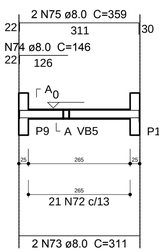



SEÇÃO A-A
ESC 1:25

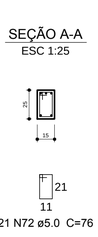


26 N50 ø5.0 C=106

## VB79
ESC 1:75

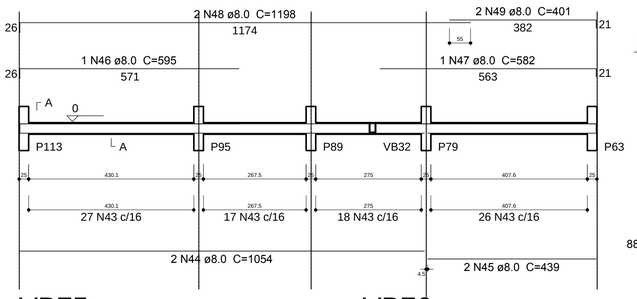



SEÇÃO A-A
ESC 1:25

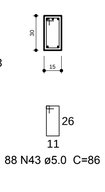


21 N72 ø5.0 C=76

## VB71
ESC 1:75

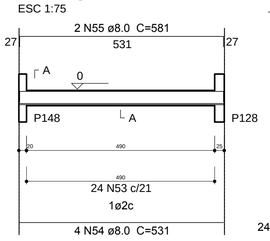



SEÇÃO A-A
ESC 1:25

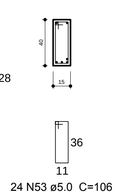


88 N43 ø5.0 C=86

## VB73
ESC 1:75

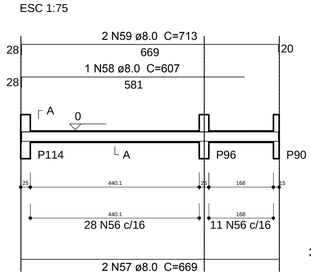



SEÇÃO A-A
ESC 1:25

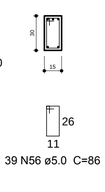


24 N53 ø5.0 C=106

## VB74
ESC 1:75

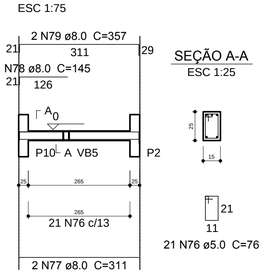



SEÇÃO A-A
ESC 1:25



39 N56 ø5.0 C=86

## VB82
ESC 1:75




SEÇÃO A-A
ESC 1:25



21 N76 ø5.0 C=76

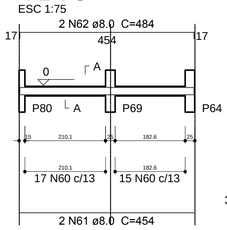
## Resumo do aço

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 10 % (kg) |
|---|---|---|---|
| CA50 | 8.0 | 644.2 | 279.6 |
| CA60 | 5.0 | 737 | 124.9 |

| PESO TOTAL (kg) | |
|---|---|
| CA50 | 279.6 |
| CA60 | 124.9 |

Volume de concreto (C-25) = 6.5 m³
Área de forma = 108.37 m²

## VB75
ESC 1:75

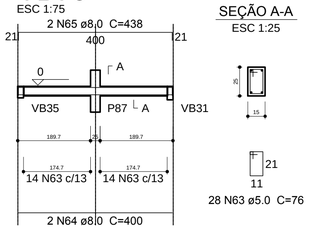



SEÇÃO A-A
ESC 1:25



32 N60 ø5.0 C=86

## VB76
ESC 1:75




SEÇÃO A-A
ESC 1:25



28 N63 ø5.0 C=76

## VB77
ESC 1:75




SEÇÃO A-A
ESC 1:25



36 N66 ø5.0 C=76

## VB78
ESC 1:75




SEÇÃO A-A
ESC 1:25



41 N69 ø5.0 C=86

## VB83
ESC 1:75




SEÇÃO A-A
ESC 1:25



17 N81 ø5.0 C=76

| | | | | | |
|---|---|---|---|---|---|
| PAS www.pasnet.com.br | | ANO: 2014 | TIPO: ESTR | FOLHA: 13 / 28 | MODIFICAÇÕES: A, B |
| PROPRIETÁRIO: PREF. DO MUNICÍPIO DE PARECIS | | LOCAL: LINHA 75 | | | C |
| OBRA: CONSTRUÇÃO DE HOSPITAL MUNICIPAL — DETALHES DAS VIGAS BALDRAME — 4 / 6 | | ÁREAS: VER FOLHA 1 DO ARQUITETÔNICO | | | D, E, F |
| AUTOR: | DES.: | DATA: FEVEREIRO DE 2014 | | | G |
| VISTO — PREFEITURA MUNICIPAL: | | DIM.: METRO | | | H |
| AUTOR: | | ESC.: INDICADA | | | I |