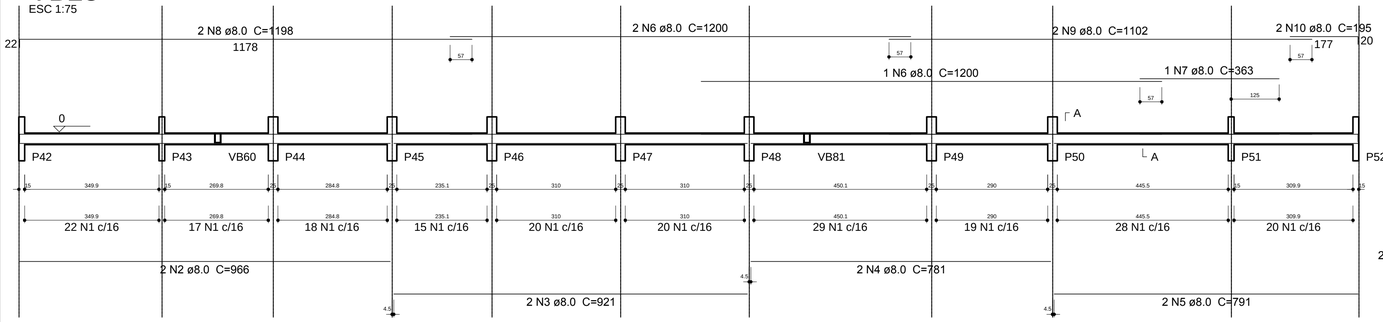
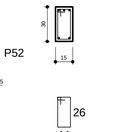
## VB23
ESC 1:75

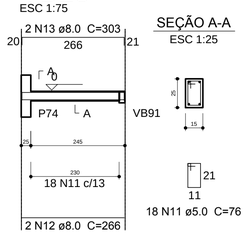



SEÇÃO A-A
ESC 1:25




208 N1 ø5.0 C=86

## VB28
ESC 1:75

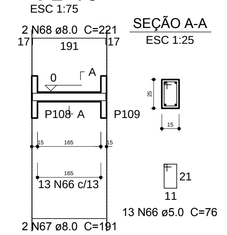



SEÇÃO A-A
ESC 1:25




18 N11 ø5.0 C=76

## VB40
ESC 1:75




SEÇÃO A-A
ESC 1:25

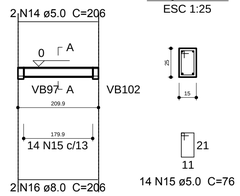



13 N66 ø5.0 C=76

## Relação do aço

| ELEMENTO | AÇO | N | DIAM (mm) | QUANT (Barras) | UNIT (cm) | C.TOTAL (cm) |
|---|---|---|---|---|---|---|
| VB23 | CA60 | 1 | 5.0 | 208 | 86 | 17888 |
| | CA50 | 2 | 8.0 | 2 | 966 | 1932 |
| | CA50 | 3 | 8.0 | 2 | 921 | 1842 |
| | CA50 | 4 | 8.0 | 2 | 781 | 1562 |
| | CA50 | 5 | 8.0 | 2 | 791 | 1582 |
| | CA50 | 6 | 8.0 | 3 | 1200 | 3600 |
| | CA50 | 7 | 8.0 | 1 | 363 | 363 |
| | CA50 | 8 | 8.0 | 2 | 1198 | 2396 |
| | CA50 | 9 | 8.0 | 2 | 1102 | 2204 |
| | CA50 | 10 | 8.0 | 2 | 195 | 390 |
| VB28 | CA60 | 11 | 5.0 | 18 | 76 | 1368 |
| | CA50 | 12 | 8.0 | 2 | 266 | 532 |
| | CA50 | 13 | 8.0 | 2 | 303 | 606 |
| VB29 | CA60 | 14 | 5.0 | 2 | 206 | 412 |
| | CA60 | 15 | 5.0 | 14 | 76 | 1064 |
| | CA50 | 16 | 8.0 | 2 | 206 | 412 |
| VB30 | CA60 | 17 | 5.0 | 82 | 86 | 7052 |
| | CA50 | 18 | 8.0 | 2 | 1091 | 2182 |
| | CA50 | 19 | 8.0 | 2 | 281 | 562 |
| | CA50 | 20 | 8.0 | 1 | 975 | 975 |
| | CA50 | 21 | 8.0 | 2 | 1198 | 2396 |
| | CA50 | 22 | 8.0 | 2 | 284 | 568 |
| VB31 | CA60 | 23 | 5.0 | 113 | 96 | 10848 |
| | CA50 | 24 | 8.0 | 2 | 1031 | 2062 |
| | CA50 | 25 | 8.0 | 2 | 656 | 1312 |
| | CA50 | 26 | 8.0 | 2 | 551 | 1102 |
| | CA50 | 27 | 8.0 | 1 | 265 | 265 |
| | CA50 | 28 | 8.0 | 1 | 410 | 410 |
| | CA50 | 29 | 8.0 | 1 | 1200 | 1200 |
| | CA50 | 30 | 8.0 | 1 | 240 | 240 |
| | CA50 | 31 | 8.0 | 2 | 1198 | 2396 |
| | CA50 | 32 | 8.0 | 2 | 1173 | 2346 |
| VB32 | CA60 | 33 | 5.0 | 2 | 286 | 572 |
| | CA60 | 34 | 5.0 | 20 | 76 | 1520 |
| | CA50 | 35 | 8.0 | 2 | 286 | 572 |
| VB33 | CA60 | 36 | 5.0 | 24 | 86 | 2064 |
| | CA50 | 37 | 8.0 | 2 | 391 | 782 |
| | CA50 | 38 | 8.0 | 2 | 439 | 878 |
| VB34 | CA60 | 39 | 5.0 | 20 | 76 | 1520 |
| | CA50 | 40 | 8.0 | 2 | 286 | 572 |
| | CA50 | 41 | 8.0 | 2 | 316 | 632 |
| VB35 | CA60 | 42 | 5.0 | 23 | 86 | 1978 |
| | CA50 | 43 | 8.0 | 2 | 391 | 782 |
| | CA50 | 44 | 8.0 | 1 | 179 | 179 |
| | CA50 | 45 | 8.0 | 2 | 432 | 864 |
| VB36 | CA60 | 46 | 5.0 | 71 | 86 | 6106 |
| | CA50 | 47 | 8.0 | 1 | 441 | 441 |
| | CA50 | 48 | 8.0 | 2 | 1166 | 2332 |
| | CA50 | 49 | 8.0 | 1 | 340 | 340 |
| | CA50 | 50 | 8.0 | 1 | 700 | 700 |
| | CA50 | 51 | 8.0 | 2 | 1064 | 2128 |
| | CA50 | 52 | 8.0 | 2 | 195 | 390 |
| VB37 | CA60 | 53 | 5.0 | 153 | 96 | 14688 |
| | CA50 | 54 | 8.0 | 2 | 866 | 1732 |
| | CA50 | 55 | 8.0 | 2 | 921 | 1842 |
| | CA50 | 56 | 8.0 | 2 | 1171 | 2342 |
| | CA50 | 57 | 8.0 | 1 | 315 | 315 |
| | CA50 | 58 | 8.0 | 1 | 1121 | 1121 |
| | CA50 | 59 | 8.0 | 1 | 179 | 179 |
| | CA50 | 60 | 8.0 | 2 | 1198 | 2396 |
| | CA50 | 61 | 8.0 | 2 | 1200 | 2400 |
| | CA50 | 62 | 8.0 | 2 | 720 | 1440 |
| VB38 | CA60 | 63 | 5.0 | 14 | 76 | 1064 |
| | CA50 | 64 | 8.0 | 2 | 206 | 412 |
| | CA50 | 65 | 8.0 | 2 | 244 | 488 |
| VB40 | CA60 | 66 | 5.0 | 13 | 76 | 988 |
| | CA50 | 67 | 8.0 | 2 | 191 | 382 |
| | CA50 | 68 | 8.0 | 2 | 221 | 442 |
| VB45 | CA60 | 69 | 5.0 | 14 | 76 | 1064 |
| | CA50 | 70 | 8.0 | 2 | 206 | 412 |
| | CA50 | 71 | 8.0 | 3 | 244 | 732 |

## VB29
ESC 1:75

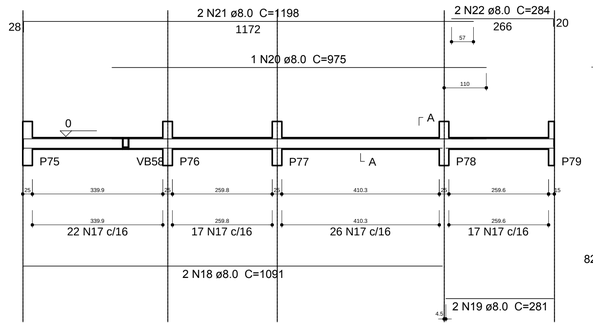



SEÇÃO A-A
ESC 1:25

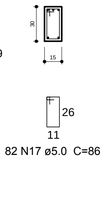



14 N15 ø5.0 C=76

## VB30
ESC 1:75

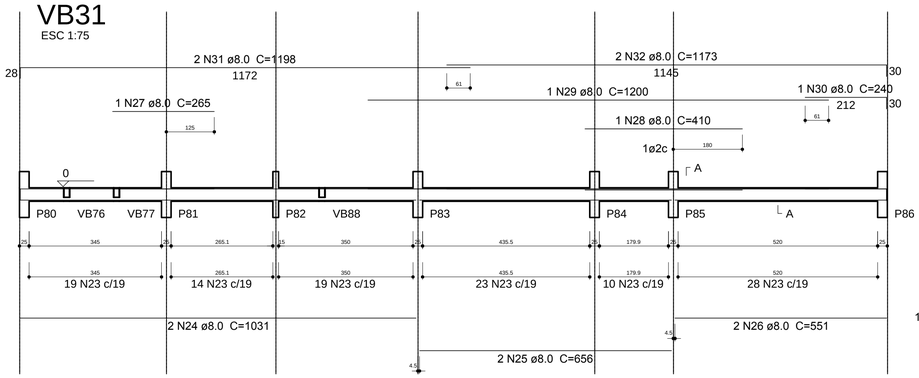



SEÇÃO A-A
ESC 1:25

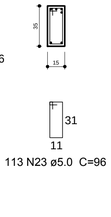



82 N17 ø5.0 C=86

## VB31
ESC 1:75

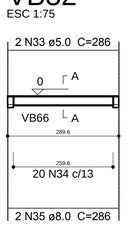



SEÇÃO A-A
ESC 1:25

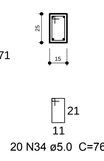



113 N23 ø5.0 C=96

## VB32
ESC 1:75

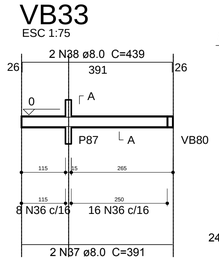



SEÇÃO A-A
ESC 1:25

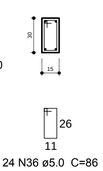



20 N34 ø5.0 C=76

## VB33
ESC 1:75

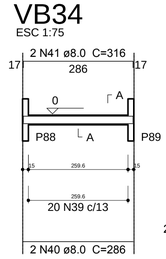



SEÇÃO A-A
ESC 1:25

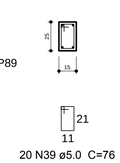



24 N36 ø5.0 C=86

## VB34
ESC 1:75

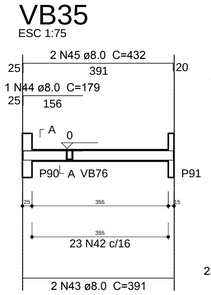



SEÇÃO A-A
ESC 1:25

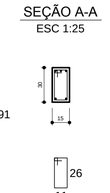



20 N39 ø5.0 C=76

## VB35
ESC 1:75

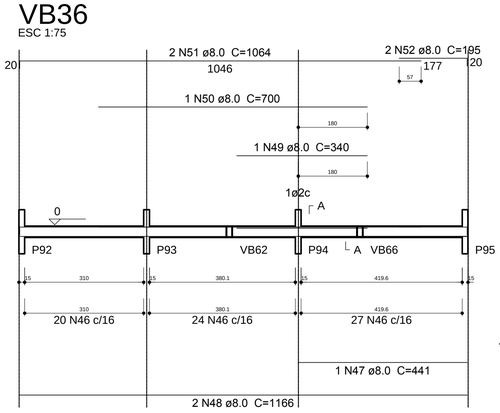



SEÇÃO A-A
ESC 1:25

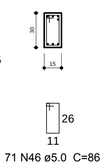



23 N42 ø5.0 C=86

## VB36
ESC 1:75

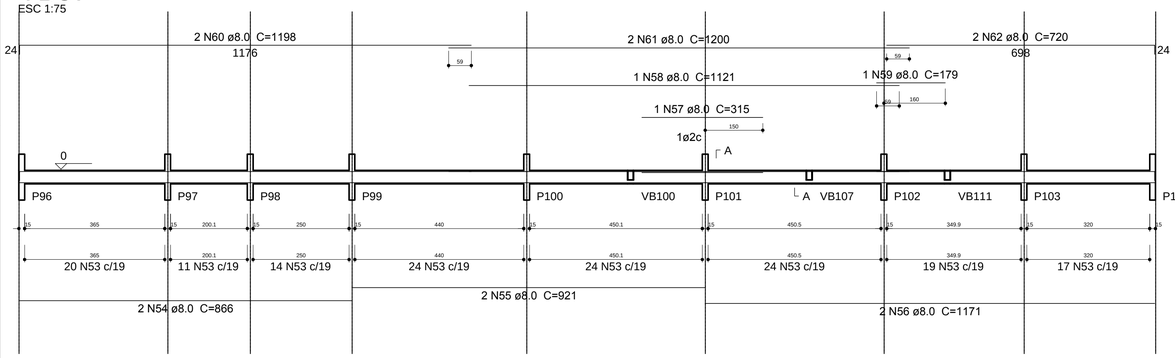



SEÇÃO A-A
ESC 1:25

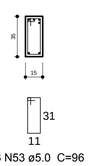



71 N46 ø5.0 C=86

## VB37
ESC 1:75

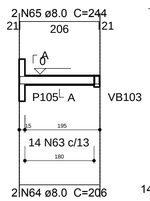



SEÇÃO A-A
ESC 1:25

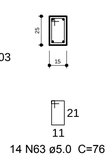



153 N53 ø5.0 C=96

## VB38
ESC 1:75

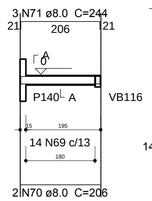



SEÇÃO A-A
ESC 1:25

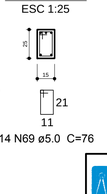



14 N63 ø5.0 C=76

## VB45
ESC 1:75




SEÇÃO A-A
ESC 1:25




14 N69 ø5.0 C=76

## Resumo do aço

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 10 % (kg) |
|---|---|---|---|
| CA50 | 8.0 | 636.7 | 276.3 |
| CA60 | 5.0 | 702 | 119 |

| PESO TOTAL (kg) | |
|---|---|
| CA50 | 276.3 |
| CA60 | 119 |

Volume de concreto (C-25) = 6.44 m³
Área de forma = 106.52 m²

| | | | | | MODIFICAÇÕES: |
|---|---|---|---|---|---|
| PAS www.pasnet.com.br | | ANO: 2014 | TIPO: ESTR | FOLHA: 11 / 28 | A |
| | | | | | B |
| PROPRIETÁRIO: PREF. DO MUNICÍPIO DE PARECIS | | LOCAL: LINHA 75 | | | C |
| OBRA: CONSTRUÇÃO DE HOSPITAL MUNICIPAL<br>DETALHES DAS VIGAS BALDRAME<br>2 / 6 | | | ÁREAS: VER FOLHA 1 DO ARQUITETÔNICO | | D<br>E<br>F |
| AUTOR: | DES.: | | DATA: FEVEREIRO DE 2014 | | G |
| VISTO | PREFEITURA MUNICIPAL: | | DIM.: METRO | | H |
| | AUTOR: | | ESC.: INDICADA | | I |