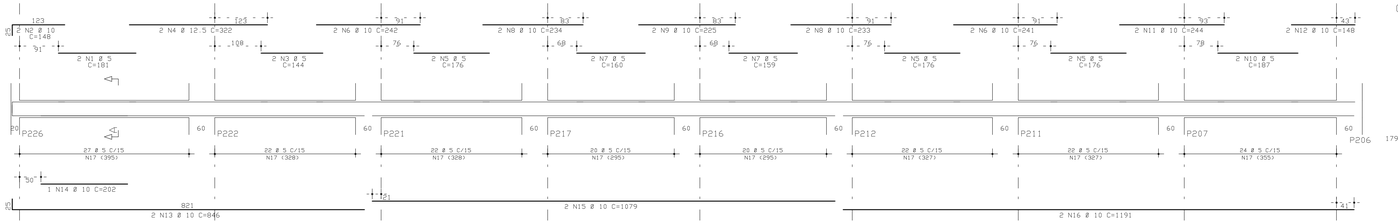
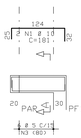
# VIGAS 2oSUBSOLO - JUNTA B

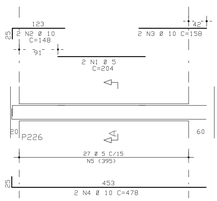
## VB101 20/40




## VB102 20/40



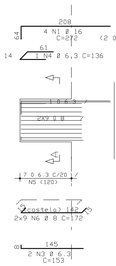

## VE101 20/40



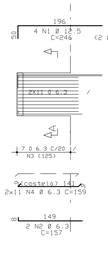

| | ACO | PDS | BIT (mm) | QUANT | COMPRIMENTO UNIT (cm) | COMPRIMENTO TOTAL (cm) |
|---|---|---|---|---|---|---|
| VB101 | | | | | | |
| | 60B | 1 | 5 | 2 | 181 | 362 |
| | 50A | 2 | 10 | 2 | 148 | 296 |
| | 60B | 3 | 5 | 2 | 144 | 288 |
| | 50A | 4 | 12.5 | 2 | 322 | 644 |
| | 60B | 5 | 5 | 6 | 176 | 1056 |
| | 50A | 6 | 10 | 4 | 242 | 968 |
| | 60B | 7 | 5 | 4 | 160 | 640 |
| | 50A | 8 | 10 | 4 | 234 | 936 |
| | 50A | 9 | 10 | 2 | 225 | 450 |
| | 60B | 10 | 5 | 2 | 187 | 374 |
| | 50A | 11 | 10 | 2 | 244 | 488 |
| | 50A | 12 | 10 | 2 | 148 | 296 |
| | 50A | 13 | 10 | 2 | 846 | 1692 |
| | 50A | 14 | 10 | 1 | 202 | 202 |
| | 50A | 15 | 10 | 2 | 1079 | 2158 |
| | 50A | 16 | 10 | 2 | 1191 | 2382 |
| | 60B | 17 | 5 | 179 | 110 | 19690 |
| VB102 | | | | | | |
| | 50A | 1 | 10 | 2 | 181 | 362 |
| | 50A | 2 | 10 | 2 | 163 | 326 |
| | 60B | 3 | 5 | 6 | 110 | 660 |
| VE101 | | | | | | |
| | 60B | 1 | 5 | 2 | 204 | 408 |
| | 50A | 2 | 10 | 2 | 148 | 296 |
| | 50A | 3 | 10 | 2 | 158 | 316 |
| | 50A | 4 | 10 | 2 | 478 | 956 |
| | 60B | 5 | 5 | 27 | 110 | 2970 |

| RESUMO ACO CA 50-60 | | | |
|---|---|---|---|
| ACO | BIT (mm) | COMPR (m) | PESO (kg) |
| 60B | 5 | 264 | 42 |
| 50A | 10 | 121 | 76 |
| 50A | 12.5 | 6 | 6 |
| Peso Total | 60B = | | 42 kg |
| Peso Total | 50A = | | 83 kg |

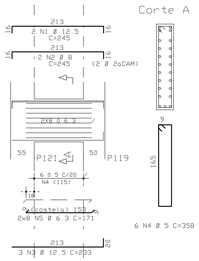
## VA101 20/224



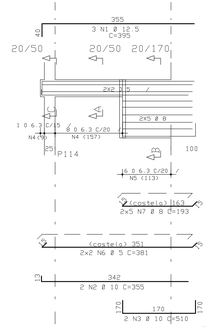

## VA102 14/224




## VA105 14/170



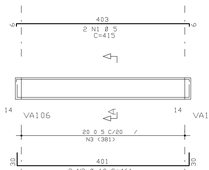

## VA103 20/VAR



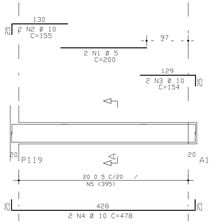

| | ACO | PDS | BIT (mm) | QUANT | COMPRIMENTO UNIT (cm) | COMPRIMENTO TOTAL (cm) |
|---|---|---|---|---|---|---|
| VA101 | | | | | | |
| | 50A | 1 | 16 | 4 | 272 | 1088 |
| | 50A | 2 | 6.3 | 2 | 152 | 304 |
| | 50A | 4 | 6.3 | 1 | 136 | 136 |
| | 50A | 5 | 6.3 | 7 | 481 | 3367 |
| | 50A | 6 | 8 | 18 | 172 | 3096 |
| VA102 | | | | | | |
| | 50A | 1 | 12.5 | 4 | 246 | 984 |
| | 50A | 2 | 6.3 | 2 | 157 | 314 |
| | 50A | 3 | 6.3 | 7 | 469 | 3283 |
| | 50A | 4 | 6.3 | 22 | 152 | 3344 |
| VA103 | | | | | | |
| | 50A | 1 | 12.5 | 3 | 395 | 1185 |
| | 50A | 2 | 10 | 2 | 355 | 710 |
| | 50A | 3 | 10 | 2 | 510 | 1020 |
| | 50A | 4 | 6.3 | 9 | 133 | 1197 |
| | 50A | 5 | 6.3 | 2 | 373 | 746 |
| | 60B | 6 | 5 | 4 | 381 | 1524 |
| | 50A | 7 | 8 | 10 | 193 | 1930 |
| VA104 | | | | | | |
| | 60B | 1 | 5 | 2 | 415 | 830 |
| | 50A | 2 | 10 | 2 | 461 | 922 |
| | 60B | 3 | 5 | 20 | 126 | 2520 |
| VA105 | | | | | | |
| | 50A | 1 | 12.5 | 2 | 245 | 490 |
| | 50A | 2 | 8 | 2 | 245 | 490 |
| | 50A | 3 | 12.5 | 3 | 233 | 699 |
| | 60B | 4 | 5 | 6 | 358 | 2148 |
| | 50A | 5 | 6.3 | 16 | 171 | 2736 |
| VA106 | | | | | | |
| | 60B | 1 | 5 | 2 | 200 | 400 |
| | 50A | 2 | 10 | 2 | 155 | 310 |
| | 50A | 3 | 10 | 2 | 154 | 308 |
| | 50A | 4 | 10 | 2 | 478 | 956 |
| | 60B | 5 | 5 | 20 | 126 | 2520 |
| VA107 | | | | | | |
| | 50A | 1 | 12.5 | 2 | 280 | 560 |
| | 50A | 2 | 8 | 2 | 280 | 560 |
| | 50A | 3 | 12.5 | 3 | 279 | 837 |
| | 50A | 4 | 6.3 | 2 | 130 | 260 |
| | 60B | 5 | 5 | 9 | 358 | 3222 |
| | 50A | 6 | 6.3 | 16 | 220 | 3664 |
| VA108 | | | | | | |
| | 60B | 1 | 5 | 2 | 205 | 410 |
| | 50A | 2 | 12.5 | 3 | 279 | 837 |
| | 50A | 3 | 6.3 | 2 | 130 | 260 |
| | 60B | 4 | 5 | 9 | 358 | 3222 |
| | 50A | 5 | 6.3 | 16 | 228 | 3648 |
| VA109 | | | | | | |
| | 50A | 1 | 12.5 | 2 | 279 | 558 |
| | 50A | 2 | 8 | 2 | 279 | 558 |
| | 50A | 3 | 12.5 | 3 | 279 | 837 |
| | 50A | 4 | 6.3 | 2 | 130 | 260 |
| | 60B | 5 | 5 | 9 | 358 | 3222 |
| | 50A | 6 | 6.3 | 16 | 208 | 3648 |
| VA110 | | | | | | |
| | 50A | 1 | 10 | 2 | 132 | 264 |
| | 50A | 2 | 12.5 | 2 | 245 | 490 |
| | 50A | 3 | 10 | 3 | 381 | 1143 |
| | 60B | 4 | 5 | 3 | 126 | 378 |
| | 60B | 5 | 5 | 9 | 234 | 2106 |
| | 50A | 6 | 6.3 | 10 | 217 | 2170 |
| VA111 | | | | | | |
| | 50A | 1 | 16 | 3 | 212 | 636 |
| | 50A | 2 | 8 | 2 | 93 | 186 |
| | 50A | 3 | 6.3 | 1 | 136 | 136 |
| | 50A | 4 | 6.3 | 4 | 373 | 1492 |
| | 50A | 5 | 8 | 14 | 112 | 1568 |
| VA112 | | | | | | |
| | 50A | 1 | 12.5 | 4 | 201 | 804 |
| | 50A | 2 | 12.5 | 2 | 196 | 392 |
| | 50A | 3 | 12.5 | 2 | 190 | 380 |
| | 60B | 4 | 5 | 5 | 466 | 2330 |
| | 50A | 5 | 6.3 | 22 | 143 | 3146 |
| VA113 | | | | | | |
| | 50A | 1 | 16 | 3 | 272 | 816 |
| | 50A | 2 | 6.3 | 2 | 153 | 306 |
| | 50A | 3 | 6.3 | 1 | 136 | 136 |
| | 50A | 4 | 6.3 | 7 | 373 | 2611 |
| | 50A | 5 | 8 | 14 | 172 | 2408 |

| RESUMO ACO CA 50-60 | | | |
|---|---|---|---|
| ACO | BIT (mm) | COMPR (m) | PESO (kg) |
| 60B | 5 | 248 | 40 |
| 50A | 6.3 | 290 | 97 |
| 50A | 8 | 106 | 42 |
| 50A | 10 | 36 | 35 |
| 50A | 12.5 | 91 | 91 |
| 50A | 16 | 25 | 41 |
| Peso Total | 60B = | | 40 kg |
| Peso Total | 50A = | | 307 kg |

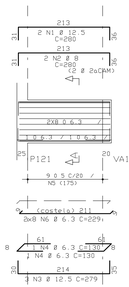
## VA104 14/54



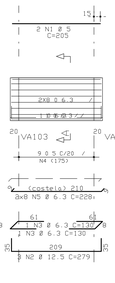

## VA106 14/54



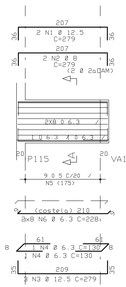

## VA107 14/170



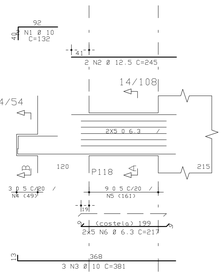

## VA108 14/170



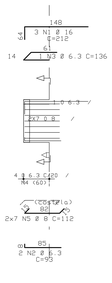

## VA109 14/170



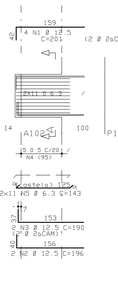

## VA110 14/VAR



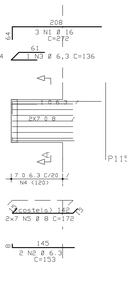

## VA111 20/170




## VA112 14/224




## VA113 20/170




FCK= 35 MPa

EC = 28 GPa (MODULO DE ELASTICIDADE SECANTE)

A/C = 0,65 (FATOR AGUA CIMENTO)

| REV | DATA | DESCRICAO |
|---|---|---|
| 1 | 10/12/2008 | SUBSTITUIR PRANCHA |
| 0 | 30/10/2008 | EMISSAO INICIAL |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PROJETO ESTRUTURAL

CLIENTE: JEQUITIBA INCORPORADORA IMOBILIARIA

OBRA: ED. JEQUITIBA — No OBRA:

ENDEREO OBRA-RUA 36 SUL LOTE 17 - AGUAS CLARAS/DF

DESCRICAO: ARMACAO DAS VIGAS DO 2o SUBSOLO JUNTAS - A e B

DESENHO No: 18/88

| DESENHISTA: | DATA: | ESCALA: | UNIDADE | ARQUIVO PLT: |
|---|---|---|---|---|
| TOS/YARA | 30/10/2008 | 1:50 | CM | PRA-18-BB-R01.PLT |

PROPRIETARIO: — RESPONSAVEL TECNICO:

RESPONSAVEL TECNICO PELO PROJETO ESTRUTURAL

SIMETRIA ENGENHARIA E PROJETOS S/C LTDA
CREA-2725/DF

SIMETRIA ENGENHARIA DE PROJETOS S/C LTDA PC C:\YUSA\ARMACAO DAS VIGAS 2o SUBSOLO JUNTA A- BLOCOS SUL\2 SUBSOLO N-398\VIGAS\VIGAS01.PLT 01/03/2010 09:47:47