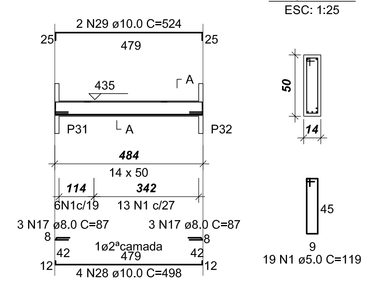
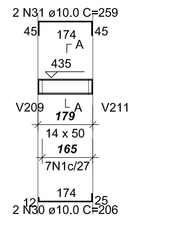
## V201 (14 x 50)
ESC: 1:100



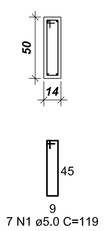

SEÇÃO A-A
ESC: 1:25



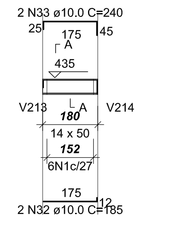

## V202 (14 x 50)
ESC: 1:100



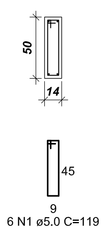

SEÇÃO A-A
ESC: 1:25



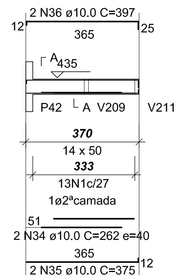

## V203 (14 x 50)
ESC: 1:100



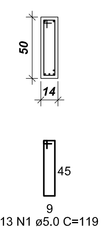

SEÇÃO A-A
ESC: 1:25



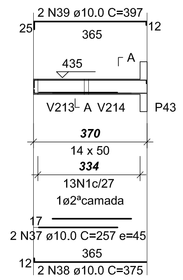

## V204 (14 x 50)
ESC: 1:100



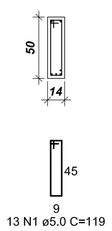

SEÇÃO A-A
ESC: 1:25



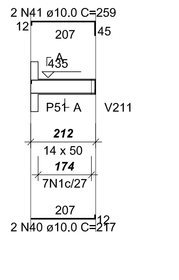

## V205 (14 x 50)
ESC: 1:100



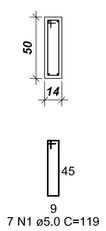

SEÇÃO A-A
ESC: 1:25



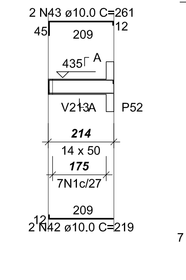

## V206 (14 x 50)
ESC: 1:100



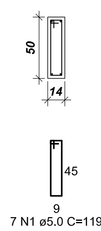

SEÇÃO A-A
ESC: 1:25



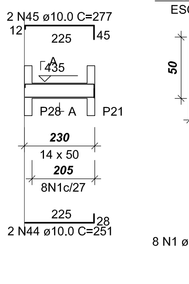

## V207 (14 x 50)
ESC: 1:100



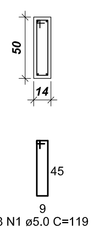

SEÇÃO A-A
ESC: 1:25



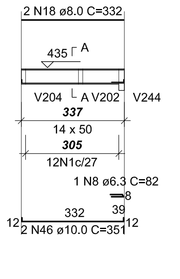

## V208 (14 x 50)
ESC: 1:100



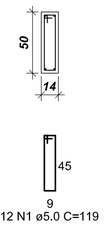

SEÇÃO A-A
ESC: 1:25



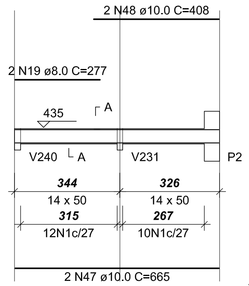

## V209 (14 x 50)
ESC: 1:100



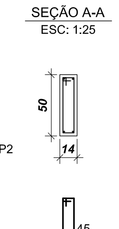

SEÇÃO A-A
ESC: 1:25



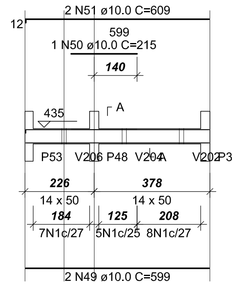

## V210 (14 x 50)
ESC: 1:100



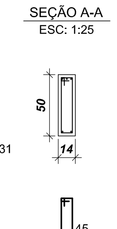

SEÇÃO A-A
ESC: 1:25



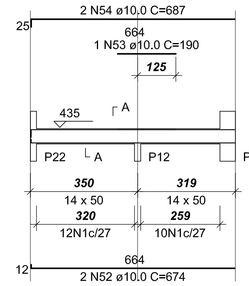

## V211 (14 x 50)
ESC: 1:100



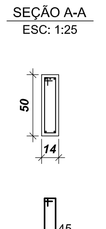

SEÇÃO A-A
ESC: 1:25



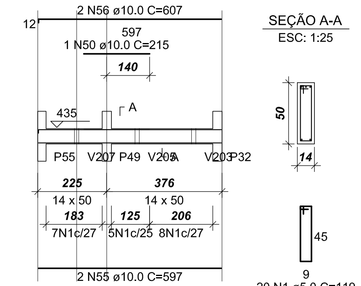

## V212 (14 x 50)
ESC: 1:100




SEÇÃO A-A
ESC: 1:25



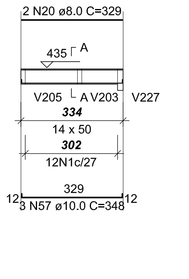

## V213 (14 x 50)
ESC: 1:100



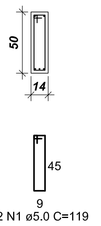

SEÇÃO A-A
ESC: 1:25



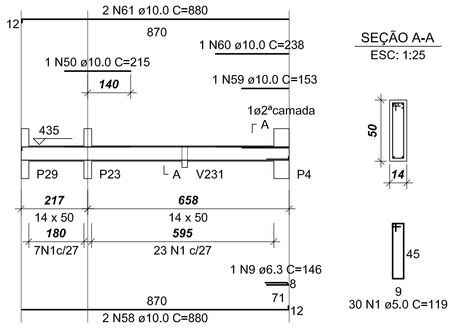

## V214 (14 x 50)
ESC: 1:100



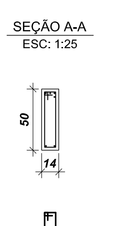

SEÇÃO A-A
ESC: 1:25



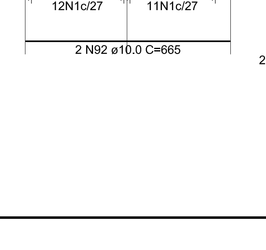

## V215 (14 x 50)
ESC: 1:100



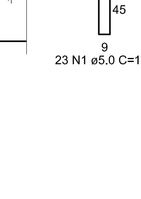

SEÇÃO A-A
ESC: 1:25



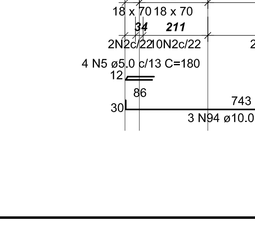

## V216 (14 x 50)
ESC: 1:100




SEÇÃO A-A
ESC: 1:25

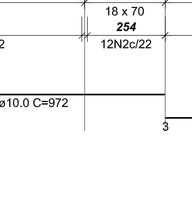



## V217 (18 x 70)
ESC: 1:100

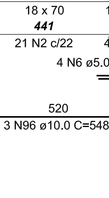



SEÇÃO A-A
ESC: 1:25

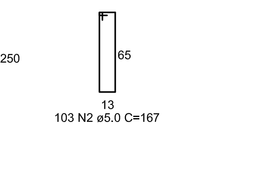
## V218 (14 x 70)
ESC: 1:100




SEÇÃO A-A
ESC: 1:25




## V219 (14 x 50)
ESC: 1:100




SEÇÃO A-A
ESC: 1:25

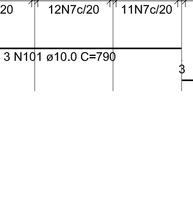



## V220 (14 x 70)
ESC: 1:100

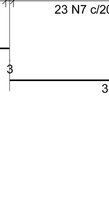



SEÇÃO A-A
ESC: 1:25

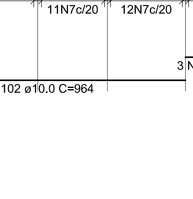
## V221 (14 x 70)
ESC: 1:100



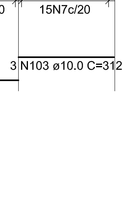

SEÇÃO A-A
ESC: 1:25



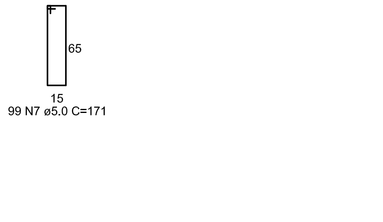

## V223 (14 x 70)
ESC: 1:100




SEÇÃO A-A
ESC: 1:25



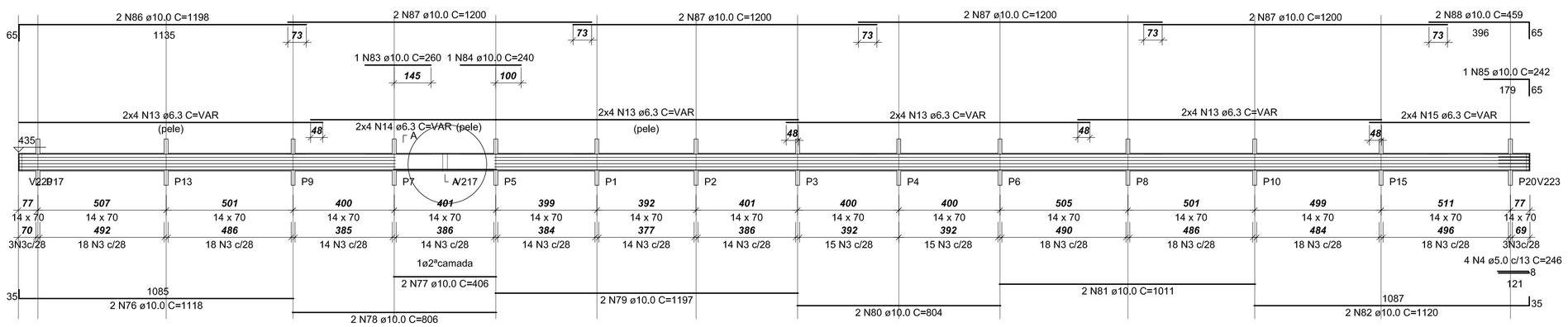

## V225 (14 x 70)
ESC: 1:100



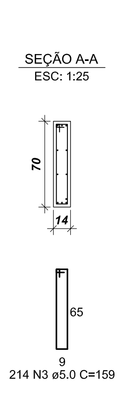

SEÇÃO A-A
ESC: 1:25



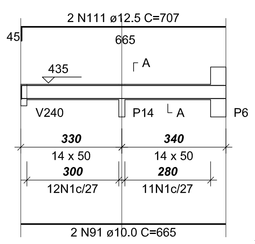

## V222 (14 x 70)
ESC: 1:100



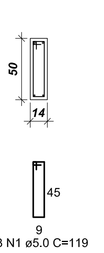

SEÇÃO A-A
ESC: 1:25



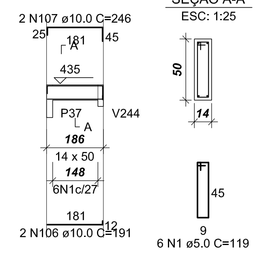

## V224 (14 x 50)
ESC: 1:100



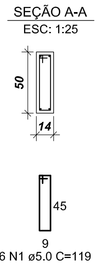

SEÇÃO A-A
ESC: 1:25



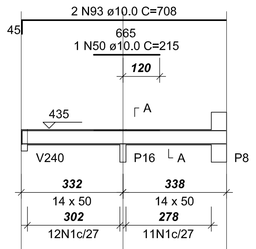

## V230 (14 x 50)
ESC: 1:100



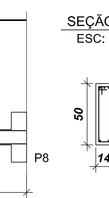

SEÇÃO A-A
ESC: 1:25



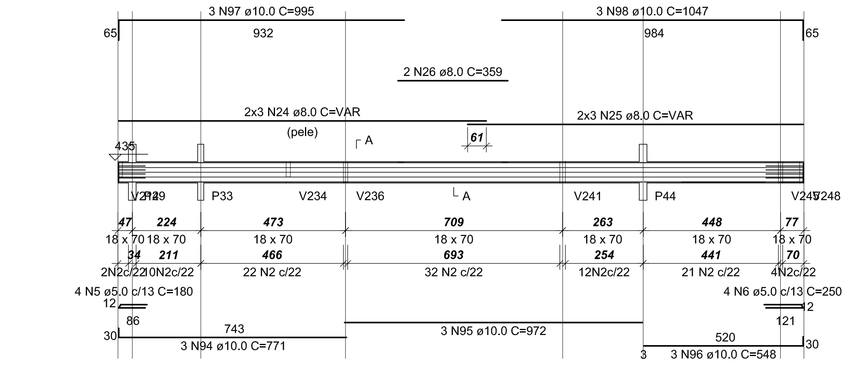

## V226 (14 x 50)
ESC: 1:100



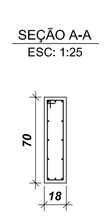

SEÇÃO A-A
ESC: 1:25



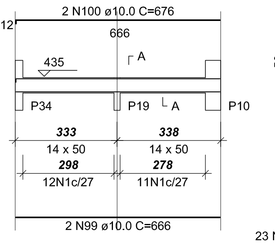

## V227 (18 x 70)
ESC: 1:100



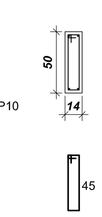

SEÇÃO A-A
ESC: 1:25



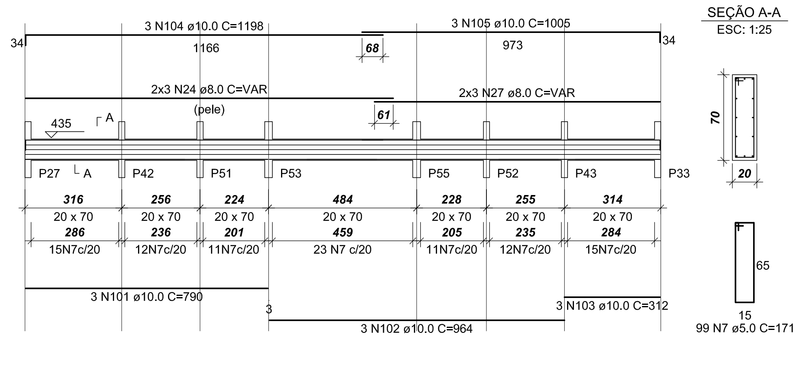

## V228 (14 x 50)
ESC: 1:100




SEÇÃO A-A
ESC: 1:25




## V229 (20 x 70)
ESC: 1:100




SEÇÃO A-A
ESC: 1:25




RELAÇÃO DO AÇO

| AÇO | N | DIAM | Q | UNIT (cm) | C.TOTAL (cm) |
|---|---|---|---|---|---|
| 60 | 1 | 5.0 | 338 | 119 | 40222 |
| | 2 | 5.0 | 139 | 167 | 23213 |
| | 3 | 5.0 | 253 | 159 | 40227 |
| | 4 | 5.0 | 4 | 246 | 984 |
| | 5 | 5.0 | 4 | 180 | 720 |
| | 6 | 5.0 | 4 | 250 | 1000 |
| | 7 | 5.0 | 99 | 171 | 16929 |
| 50 | 8 | 6.3 | 1 | 82 | 82 |
| | 9 | 6.3 | 1 | 146 | 146 |
| | 10 | 6.3 | 8 | corr | 648 |
| | 11 | 6.3 | 8 | corr | 648 |
| | 12 | 6.3 | 8 | corr | 640 |
| | 13 | 6.3 | 32 | corr | 38400 |
| | 14 | 6.3 | 8 | corr | 5896 |
| | 15 | 6.3 | 8 | corr | 5056 |
| | 16 | 6.3 | 8 | corr | 656 |
| | 17 | 8.0 | 6 | 87 | 522 |
| | 18 | 8.0 | 2 | 332 | 664 |
| | 19 | 8.0 | 2 | 277 | 554 |
| | 20 | 8.0 | 2 | 329 | 658 |
| | 21 | 8.0 | 2 | 253 | 506 |
| | 22 | 8.0 | 4 | corr | 2704 |
| | 23 | 8.0 | 2 | 354 | 708 |
| | 24 | 8.0 | 12 | corr | 14400 |
| | 25 | 8.0 | 6 | corr | 6576 |
| | 26 | 8.0 | 2 | 359 | 718 |
| | 27 | 8.0 | 6 | corr | 5592 |
| | 28 | 10.0 | 4 | 498 | 1992 |
| | 29 | 10.0 | 2 | 524 | 1048 |
| | 30 | 10.0 | 2 | 206 | 412 |
| | 31 | 10.0 | 2 | 259 | 518 |
| | 32 | 10.0 | 2 | 185 | 370 |
| | 33 | 10.0 | 2 | 240 | 480 |
| | 34 | 10.0 | 2 | 262 | 524 |
| | 35 | 10.0 | 2 | 375 | 750 |
| | 36 | 10.0 | 2 | 397 | 794 |
| | 37 | 10.0 | 2 | 257 | 514 |
| | 38 | 10.0 | 2 | 375 | 750 |
| | 39 | 10.0 | 2 | 397 | 794 |
| | 40 | 10.0 | 2 | 217 | 434 |
| | 41 | 10.0 | 2 | 259 | 518 |
| | 42 | 10.0 | 2 | 219 | 438 |
| | 43 | 10.0 | 2 | 261 | 522 |
| | 44 | 10.0 | 2 | 251 | 502 |
| | 45 | 10.0 | 2 | 277 | 554 |
| | 46 | 10.0 | 2 | 351 | 702 |
| | 47 | 10.0 | 2 | 665 | 1330 |
| | 48 | 10.0 | 2 | 408 | 816 |
| | 49 | 10.0 | 2 | 599 | 1198 |
| | 50 | 10.0 | 4 | 215 | 860 |
| | 51 | 10.0 | 2 | 609 | 1216 |
| | 52 | 10.0 | 2 | 674 | 1348 |
| | 53 | 10.0 | 1 | 190 | 190 |
| | 54 | 10.0 | 2 | 687 | 1374 |
| | 55 | 10.0 | 2 | 597 | 1194 |
| | 56 | 10.0 | 2 | 607 | 1214 |
| | 57 | 10.0 | 3 | 348 | 1044 |
| | 58 | 10.0 | 2 | 880 | 1760 |
| | 59 | 10.0 | 1 | 153 | 153 |
| | 60 | 10.0 | 1 | 238 | 238 |
| | 61 | 10.0 | 2 | 880 | 1760 |
| | 62 | 10.0 | 1 | 354 | 354 |
| | 63 | 10.0 | 2 | 664 | 1328 |
| | 64 | 10.0 | 2 | 280 | 560 |
| | 65 | 10.0 | 1 | 340 | 340 |
| | 66 | 10.0 | 2 | 707 | 1414 |
| | 67 | 10.0 | 4 | corr | 2512 |
| | 68 | 10.0 | 3 | 168 | 504 |
| | 69 | 10.0 | 2 | 114 | 228 |
| | 70 | 10.0 | 2 | 176 | 352 |
| | 71 | 10.0 | 2 | 664 | 1328 |
| | 72 | 10.0 | 2 | 81 | 162 |
| | 73 | 10.0 | 2 | 176 | 352 |
| | 74 | 10.0 | 2 | 113 | 226 |
| | 75 | 10.0 | 2 | 175 | 350 |
| | 76 | 10.0 | 2 | 1118 | 2236 |
| | 77 | 10.0 | 2 | 406 | 812 |
| | 78 | 10.0 | 2 | 806 | 1612 |
| | 79 | 10.0 | 2 | 1197 | 2394 |
| | 80 | 10.0 | 2 | 804 | 1608 |
| | 81 | 10.0 | 2 | 1011 | 2022 |
| | 82 | 10.0 | 2 | 1120 | 2240 |
| | 83 | 10.0 | 1 | 260 | 260 |
| | 84 | 10.0 | 1 | 240 | 240 |
| | 85 | 10.0 | 1 | 242 | 242 |
| | 86 | 10.0 | 2 | 1198 | 2396 |
| | 87 | 10.0 | 6 | 1200 | 9600 |
| | 88 | 10.0 | 2 | 459 | 918 |
| | 89 | 10.0 | 2 | 82 | 164 |
| | 90 | 10.0 | 2 | 147 | 294 |
| | 91 | 10.0 | 2 | 665 | 1330 |
| | 92 | 10.0 | 2 | 665 | 1330 |
| | 93 | 10.0 | 2 | 708 | 1416 |
| | 94 | 10.0 | 3 | 771 | 2313 |
| | 95 | 10.0 | 3 | 972 | 2916 |
| | 96 | 10.0 | 3 | 548 | 1644 |
| | 97 | 10.0 | 3 | 995 | 2985 |
| | 98 | 10.0 | 3 | 1047 | 3141 |
| | 99 | 10.0 | 2 | 666 | 1332 |
| | 100 | 10.0 | 2 | 676 | 1352 |
| | 101 | 10.0 | 3 | 790 | 2370 |
| | 102 | 10.0 | 3 | 964 | 2892 |
| | 103 | 10.0 | 3 | 312 | 936 |
| | 104 | 10.0 | 3 | 1198 | 3594 |
| | 105 | 10.0 | 3 | 1005 | 3015 |
| | 106 | 10.0 | 2 | 191 | 382 |
| | 107 | 10.0 | 2 | 246 | 492 |
| | 108 | 12.5 | 2 | 353 | 706 |
| | 109 | 12.5 | 4 | 652 | 2608 |
| | 110 | 12.5 | 2 | 706 | 1412 |
| | 111 | 12.5 | 2 | 707 | 1414 |
| | 112 | 12.5 | 3 | 676 | 2028 |
| | 113 | 16.0 | 2 | 261 | 522 |
| | 114 | 16.0 | 2 | 326 | 652 |
| | 115 | 16.0 | 1 | 238 | 238 |
| | 116 | 16.0 | 2 | 343 | 686 |

RESUMO DO AÇO

| AÇO | DIAM | C.TOTAL (m) | PESO+0% (kg) |
|---|---|---|---|
| CA50 | 6.3 | 521.7 | 127.9 |
| | 8.0 | 336.0 | 132.8 |
| | 10.0 | 988.0 | 609.3 |
| | 12.5 | 81.7 | 78.8 |
| | 16.0 | 21.0 | 33.2 |
| CA60 | 5.0 | 1237.1 | 190.5 |
| PESO TOTAL | | | |
| CA50 | 981.8 | | |
| CA60 | 190.5 | | |

Vol. de concreto total (C-25) =20,29 m³
Área de forma total = 298,78 m²

V201 V202 V203
V204 V205 V206
V207 V208 V209
V210 V212 V212
V213 V214 V215
V216 V217 V218
V219 V220 V221
V222 V223 V224
V225 V226 V227
V228 V229 V230

| | | | |
|---|---|---|---|
| 01 | 26.03.2013 | | PROJETO ESTRUTURAL |
| Nº: | DATA | RESPONSÁVEL | DESCRIÇÃO DA REVISÃO: |


AS BUILT ENGENHARIA DE PROJETOS LTDA
Rua Jovino do Rosário, 1564 - Boa Vista
CEP 82560-435 - Curitiba - Paraná
asbuiltprojetos@gmail.com - (41)3088-4949


FASE: PROJETO ESTRUTURAL

CONFERIR MEDIDAS NA OBRA

OBRA: PRÉDIO EAD
CAMPUS DIAMANTINA

UFVJM

FRANCHA: FERRAGEM DAS VIGAS:
SEGUNDO PAVIMENTO (1)

AUTOR PROJETO: CARLOS HENRIQUE DE SOUZA GONÇALVES
CREA 73552/D - Pr

ESCALA: INDICADA | DESENHO: EQUIPE

VERSÃO: VERSAO 1 | DATA: 26/03/2013 | ÁREA CONSTRUÍDA: 1.139,26 m² | FOLHA: EST 08/18

ARQUIVO: