



| ACO | POS | BIT (mm) | QUANT | COMPRIMENTO | |
|------------|-----|----------|-------|-------------|------------|
| | | | | UNIT | TOTAL (cm) |
| V1 | | | | | |
| 50A | 1 | 10 | 2 | 330 | 660 |
| 50A | 2 | 10 | 2 | 295 | 590 |
| 60B | 3 | 4.2 | 13 | 123 | 1599 |
| 60B | 4 | 4.2 | 4 | 262 | 1048 |
| V2 | | | | | |
| 50A | 1 | 10 | 2 | 645 | 1290 |
| 50A | 2 | 10 | 2 | 610 | 1220 |
| 60B | 3 | 4.2 | 32 | 114 | 3648 |
| V3 | | | | | |
| 60B | 1 | 5 | 2 | 420 | 840 |
| 50A | 2 | 10 | 2 | 165 | 330 |
| 50A | 3 | 10 | 2 | 190 | 380 |
| 50A | 4 | 10 | 2 | 685 | 1370 |
| 50A | 5 | 10 | 1 | 355 | 555 |
| 60B | 6 | 4.2 | 36 | 114 | 4104 |
| V5 | | | | | |
| 50A | 1 | 10 | 2 | 715 | 1430 |
| 50A | 2 | 10 | 2 | 685 | 1370 |
| 50A | 3 | 6.3 | 1 | 80 | 80 |
| 60B | 4 | 4.2 | 35 | 114 | 3990 |
| V6 | | | | | |
| 60B | 1 | 5 | 2 | 390 | 780 |
| 50A | 2 | 10 | 2 | 160 | 320 |
| 50A | 3 | 10 | 2 | 565 | 1130 |
| 50A | 4 | 10 | 1 | 230 | 230 |
| 60B | 5 | 5 | 2 | 280 | 560 |
| 50A | 6 | 10 | 1 | 145 | 145 |
| 50A | 7 | 10 | 2 | 170 | 340 |
| 50A | 8 | 10 | 2 | 880 | 1760 |
| 50A | 9 | 10 | 1 | 450 | 450 |
| 50A | 10 | 10 | 2 | 550 | 1100 |
| 60B | 11 | 4.2 | 77 | 114 | 8778 |
| V9 | | | | | |
| 50A | 1 | 10 | 3 | 340 | 1020 |
| 50A | 2 | 10 | 2 | 315 | 630 |
| 60B | 3 | 4.2 | 15 | 123 | 1845 |
| 60B | 4 | 4.2 | 4 | 266 | 1064 |
| V10 | | | | | |
| 50A | 1 | 10 | 2 | 255 | 510 |
| 50A | 2 | 10 | 2 | 210 | 420 |
| 60B | 3 | 4.2 | 9 | 114 | 1026 |
| V11 | | | | | |
| 50A | 1 | 10 | 3 | 305 | 915 |
| 50A | 2 | 10 | 2 | 280 | 560 |
| 60B | 3 | 5 | 11 | 123 | 1353 |
| 60B | 4 | 4.2 | 6 | 232 | 1392 |
| V12 | | | | | |
| 50A | 1 | 10 | 2 | 280 | 560 |
| 50A | 2 | 10 | 2 | 235 | 470 |
| 60B | 3 | 4.2 | 10 | 123 | 1230 |
| 60B | 4 | 4.2 | 4 | 204 | 816 |
| V14 | | | | | |
| 50A | 1 | 10 | 2 | 675 | 1350 |
| 50A | 2 | 10 | 1 | 175 | 175 |
| 50A | 3 | 6.3 | 2 | 115 | 230 |
| 50A | 4 | 10 | 2 | 480 | 960 |
| 50A | 5 | 10 | 2 | 245 | 490 |
| 60B | 6 | 4.2 | 37 | 114 | 4218 |
| V16 | | | | | |
| 50A | 1 | 10 | 3 | 225 | 675 |
| 50A | 2 | 10 | 2 | 205 | 410 |
| 60B | 3 | 4.2 | 9 | 123 | 1107 |
| 60B | 4 | 4.2 | 4 | 153 | 612 |
| V17 | | | | | |
| 50A | 1 | 10 | 2 | 415 | 830 |
| 50A | 2 | 10 | 2 | 370 | 740 |
| 60B | 3 | 4.2 | 18 | 114 | 2052 |
| V18 | | | | | |
| 60B | 1 | 5 | 2 | 285 | 570 |
| 50A | 2 | 10 | 2 | 165 | 330 |
| 50A | 3 | 10 | 2 | 405 | 810 |
| 50A | 4 | 6.3 | 1 | 80 | 80 |
| 60B | 5 | 4.2 | 20 | 114 | 2280 |

| RESUMO ACO CA 50-60 | | | | |
|---------------------|----------|-----------|-----------|--------|
| ACO | BIT (mm) | COMPR (m) | PESO (kg) | |
| 60B | 4.2 | 408 | 44 | |
| 60B | 5 | 41 | 7 | |
| 50A | 6.3 | 4 | 1 | |
| 50A | 10 | 263 | 166 | |
| Peso Total | | | 60B = | 51 kg |
| Peso Total | | | 50A = | 167 kg |

| | | | |
|-----|------------|-------|-----------------|
| 2 | | | |
| 1 | | | |
| 0 | 13/10/2013 | ACS | Emissão Inicial |
| Rev | Data | Autor | Assunto |

ARNALDO CALAZANS, M.Sc. - CREA-RJ 46.531/D
Estrada do Cafundá, 1757 - Bloco 3 - Apto 705 Taquara - TEL:(021)2423-4832 - RJ

| | | | | | |
|-------------------|--------|----------------------------|--------|---------|--|
| CONCRETO | | SOBRECARGA PREVISTA | | OBRA N° | |
| fck = 250 kgf/cm² | | | | 0001 | |
| CLIENTE | | Gerencia Adjunta de Olaria | | DES. N° | |
| | | | | 020 | |
| TITULO | | Armação Vigas Terreo | | REV. N° | |
| | | | | 00 | |
| DATA | ESCALA | DESENHO | COORD. | ENG° | |
| 13/10/2013 | 1:50 | COM-TER-VIG-020-R00 | | | |

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