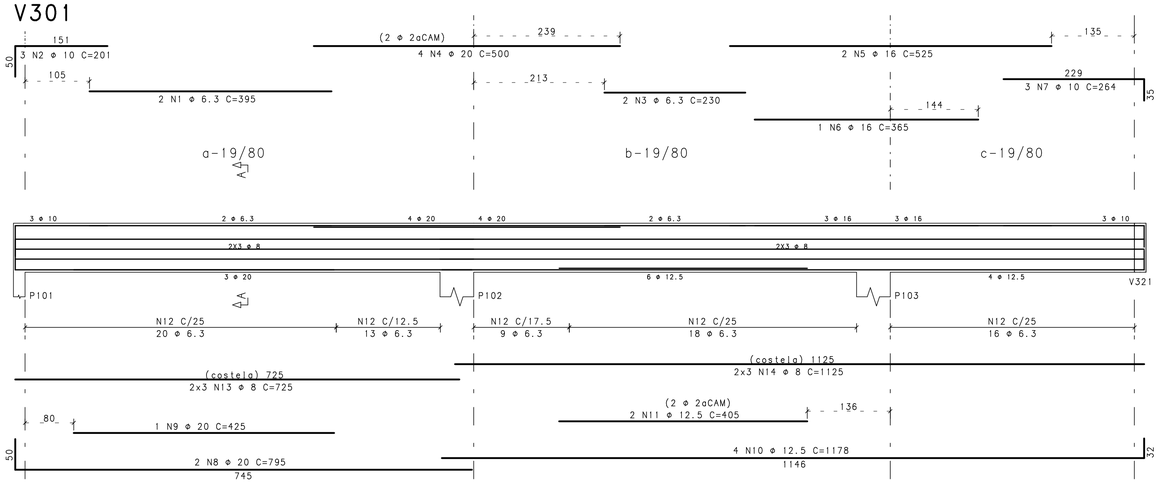
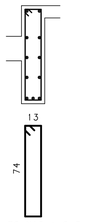
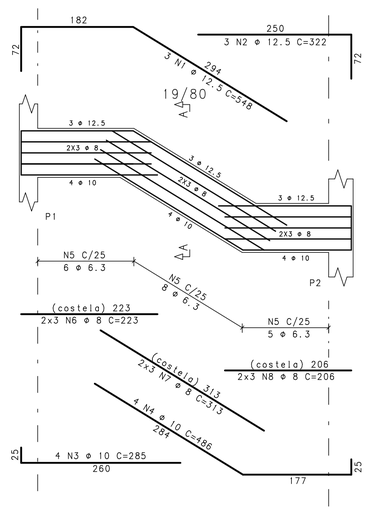
## V301



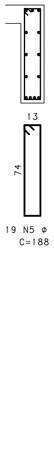

Corte A




## V302



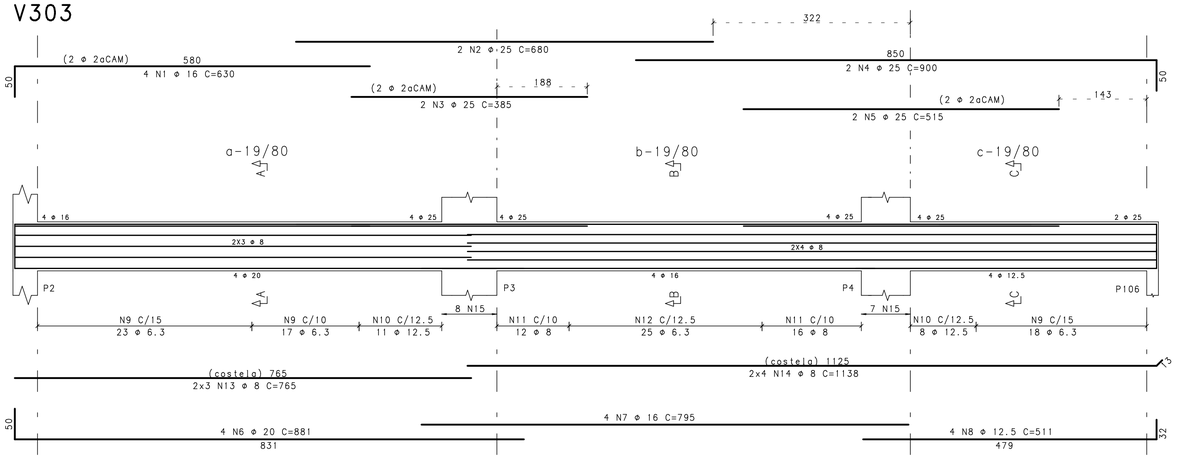

Corte A



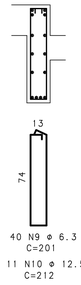

| | AÇO | POS | BIT (mm) | QUANT | COMPRIMENTO UNIT (cm) | COMPRIMENTO TOTAL (cm) |
|---|---|---|---|---|---|---|
| V301 | | | | | | |
| | 50 | 1 | 6.3 | 2 | 395 | 790 |
| | 50 | 2 | 10 | 3 | 201 | 603 |
| | 50 | 3 | 6.3 | 2 | 230 | 460 |
| | 50 | 4 | 20 | 4 | 500 | 2000 |
| | 50 | 5 | 16 | 2 | 525 | 1050 |
| | 50 | 6 | 16 | 1 | 365 | 365 |
| | 50 | 7 | 10 | 3 | 264 | 792 |
| | 50 | 8 | 20 | 2 | 795 | 1590 |
| | 50 | 9 | 20 | 1 | 425 | 425 |
| | 50 | 10 | 12.5 | 4 | 1178 | 4712 |
| | 50 | 11 | 12.5 | 2 | 405 | 810 |
| | 50 | 12 | 6.3 | 76 | 188 | 14288 |
| | 50 | 13 | 8 | 6 | 725 | 4350 |
| | 50 | 14 | 8 | 6 | 1125 | 6750 |
| V302 | | | | | | |
| | 50 | 1 | 12.5 | 3 | 548 | 1644 |
| | 50 | 2 | 12.5 | 3 | 322 | 966 |
| | 50 | 3 | 10 | 4 | 285 | 1140 |
| | 50 | 4 | 10 | 4 | 486 | 1944 |
| | 50 | 5 | 6.3 | 19 | 188 | 3572 |
| | 50 | 6 | 8 | 6 | 223 | 1338 |
| | 50 | 7 | 8 | 6 | 313 | 1878 |
| | 50 | 8 | 8 | 6 | 206 | 1236 |
| V303 | | | | | | |
| | 50 | 1 | 16 | 4 | 630 | 2520 |
| | 50 | 2 | 25 | 2 | 680 | 1360 |
| | 50 | 3 | 25 | 2 | 385 | 770 |
| | 50 | 4 | 25 | 2 | 900 | 1800 |
| | 50 | 5 | 25 | 2 | 515 | 1030 |
| | 50 | 6 | 20 | 4 | 881 | 3524 |
| | 50 | 7 | 16 | 4 | 795 | 3180 |
| | 50 | 8 | 12.5 | 4 | 511 | 2044 |
| | 50 | 9 | 6.3 | 58 | 201 | 11658 |
| | 50 | 10 | 12.5 | 19 | 212 | 4028 |
| | 50 | 11 | 8 | 28 | 190 | 5320 |
| | 50 | 12 | 6.3 | 25 | 188 | 4700 |
| | 50 | 13 | 8 | 6 | 765 | 4590 |
| | 50 | 14 | 8 | 8 | 1138 | 9104 |
| | 50 | 15 | 8 | 15 | 214 | 3210 |
| V304 | | | | | | |
| | 50 | 2 | 20 | 2 | 385 | 770 |
| | 50 | 3 | 20 | 2 | 551 | 1102 |
| | 50 | 4 | 12.5 | 4 | 507 | 2028 |
| | 50 | 5 | 8 | 13 | 163 | 2119 |
| | 50 | 6 | 6.3 | 21 | 161 | 3381 |
| | 50 | 7 | 8 | 4 | 488 | 1952 |
| V305 | | | | | | |
| | 50 | 1 | 12.5 | 2 | 222 | 444 |
| | 50 | 2 | 12.5 | 2 | 222 | 444 |
| | 60 | 3 | 5 | 26 | 58 | 1508 |
| V306=V307 | (X2) | | | | | |
| | 50 | 1 | 10 | 4 | 341 | 1364 |
| | 50 | 2 | 10 | 4 | 319 | 1276 |
| | 60 | 3 | 5 | 20 | 138 | 2760 |
| V308 | | | | | | |
| | 50 | 1 | 6.3 | 2 | 415 | 830 |
| | 50 | 2 | 12.5 | 6 | 215 | 1290 |
| | 50 | 3 | 16 | 2 | 838 | 1676 |
| | 50 | 4 | 16 | 2 | 794 | 1588 |
| | 50 | 5 | 6.3 | 27 | 248 | 6696 |
| | 50 | 6 | 8 | 10 | 708 | 7080 |

| RESUMO AÇO CA 50-60 | | | |
|---|---|---|---|
| AÇO | BIT (mm) | COMPR (m) | PESO (kg) |
| 60 | 5 | 43 | 7 |
| 50 | 6.3 | 464 | 116 |
| 50 | 8 | 489 | 196 |
| 50 | 10 | 71 | 45 |
| 50 | 12.5 | 184 | 184 |
| 50 | 16 | 104 | 166 |
| 50 | 20 | 94 | 235 |
| 50 | 25 | 50 | 198 |
| Peso Total | | 60 = | 7 kg |
| Peso Total | | 50 = | 1140 kg |

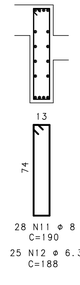
## V303



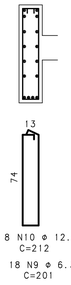

Corte A



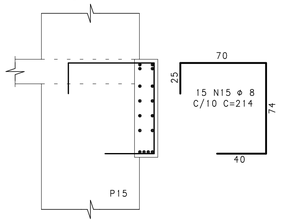

Corte B




Corte C



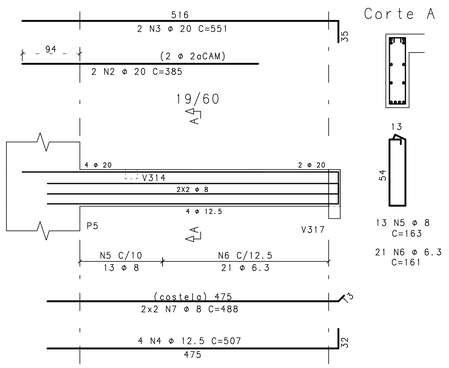

Detalhe de ligação viga - pilar




## NOTAS:

1-CONCRETO fck>=35MPa; FATOR ÁGUA/CIMENTO=0.50
2-MEDIDAS EM CENTÍMETRO. NÍVEIS EM METRO
3-COBRIMENTO DAS VIGAS = 3,0cm
4-O ESPAÇAMENTO ENTRE 1a. E 2a. CAMADA DE ARMADURAS NAS VIGAS, QUANDO EXISTIR, É DE NO MÍNIMO 2cm OU UM DIÂMETRO DA BARRA.
5-RAIO DE DOBRA PARA BARRA:

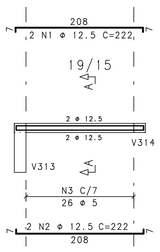
## V304



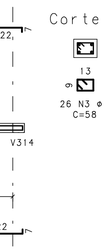

Corte A



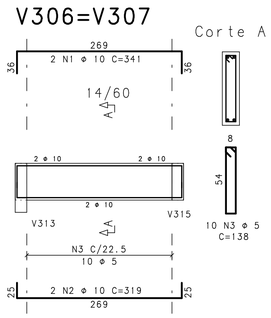

## V305




Corte A



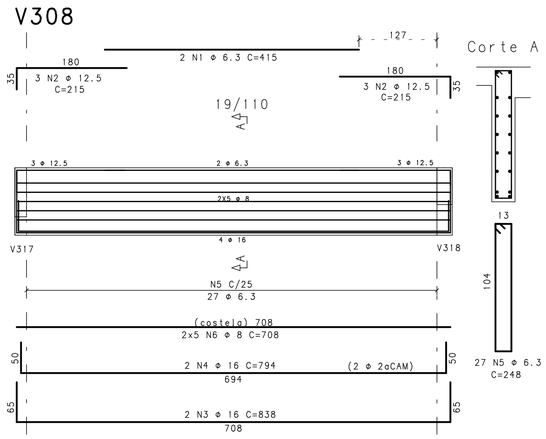

## V306=V307




Corte A




## V308




Corte A




| REVISÃO | DESCRIÇÃO | PROJ. | DATA |
|---|---|---|---|
| 00 | EMISSÃO INICIAL | | 25/09/14 |

REVISÕES

MINISTÉRIO PÚBLICO DE MINAS GERAIS

| | | | |
|---|---|---|---|
| LOGRADOURO | RUA MARECHAL FLORIANO | BAIRRO | CENTRO |
| LOTE | 001P | QUADRA 45 | ÁREA TERRENO 824,85 m2 |
| USO | INSTITUCIONAL | | ÁREA CONSTRUÍDA 6859,29 m2 |

PROJETO DE ESTRUTURA DE CONCRETO

| | |
|---|---|
| TÍTULO | PROJETO EXECUTIVO |
| DATA | 25/09/2014 |
| CONTEÚDO | ARMAÇÃO DAS VIGAS DO PISO DO PILOTIS (01/03) |

RESPONSÁVEIS

GOS Engenharia Ltda
CNPJ: 02.498.391/0001-41

ORGÃO: MPMG MINISTÉRIO PÚBLICO DO ESTADO DE MG

RT EMPRESA
GERALDO JOSÉ DE OLIVEIRA SILVA /CREA-MG 18.641/D
MARCIO JOSÉ DE REZENDE GONÇALVES /CREA-MG 35.945/D

PROPRIETÁRIO
PROCURADORIA GERAL DE JUSTIÇA DE MINAS GERAIS
CNPJ: 20.971.057/0001-45

COORDENADOR
ÉRIKA R. C. PENNA E PINHO - CAU A25218-2

FISCAIS DO CONTRATO
DANIELA TEIXEIRA DINIZ ANDRADE
CARLA BORGES DA COSTA

N CONTRATO: CT 233/2013
FORMATO: A1
FOLHA: 72/133

MARCIO JOSE DE REZENDE GONCALVES PL C:\TQS\Procuradoria Geral - Gov Valadares\Pranchas 2\MPMG72.PLT 27/03/2015 17:01:13