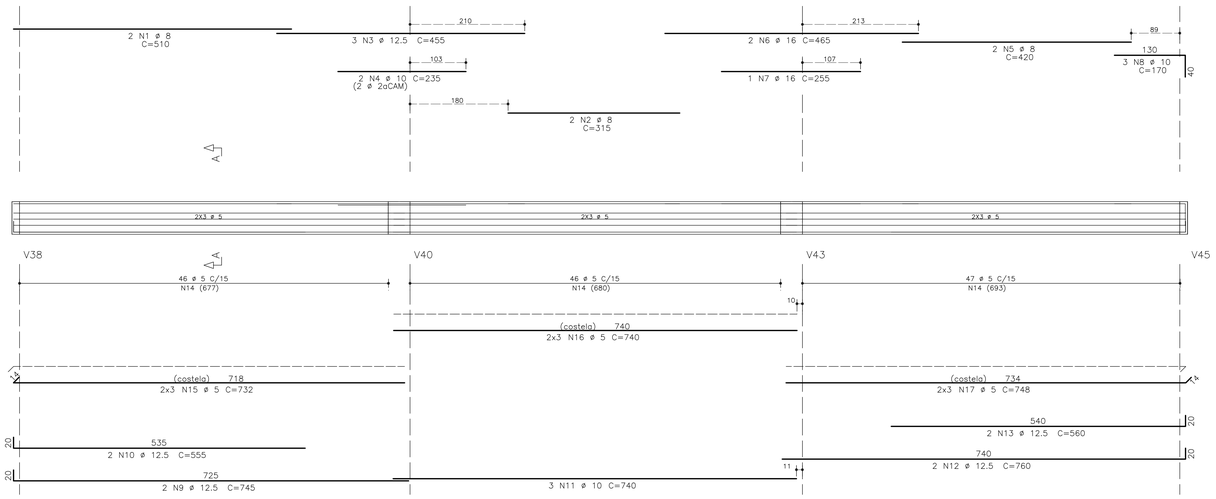
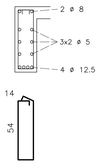
# ARMAÇÃO DE VIGAS DO PAV COBERTURA

## V26 20X60

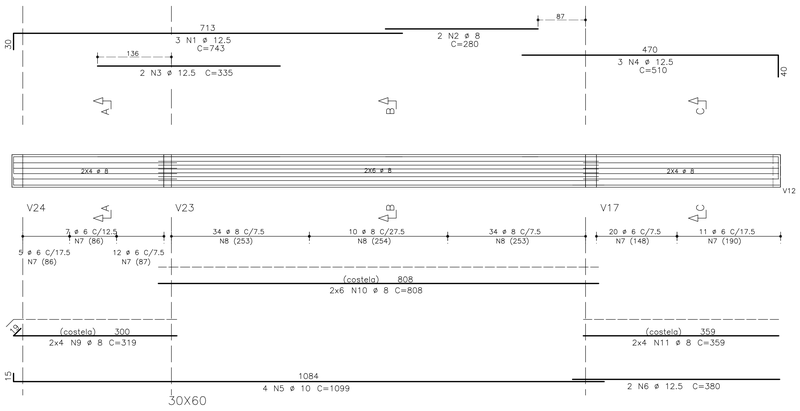



Corte A



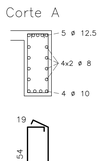

139 N14 ø 5 C=164

## V27 25X60



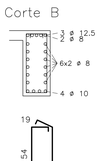

30X60

Corte A



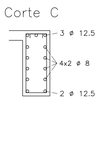

55 N7 ø 6 C=182

Corte B

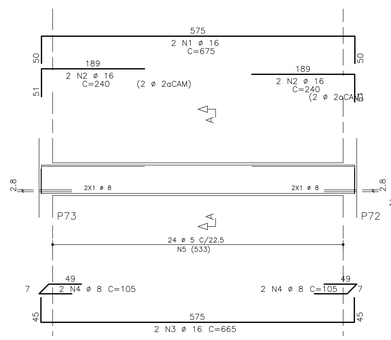



78 N8 ø 8 C=187

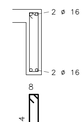
Corte C




## V53 14X60

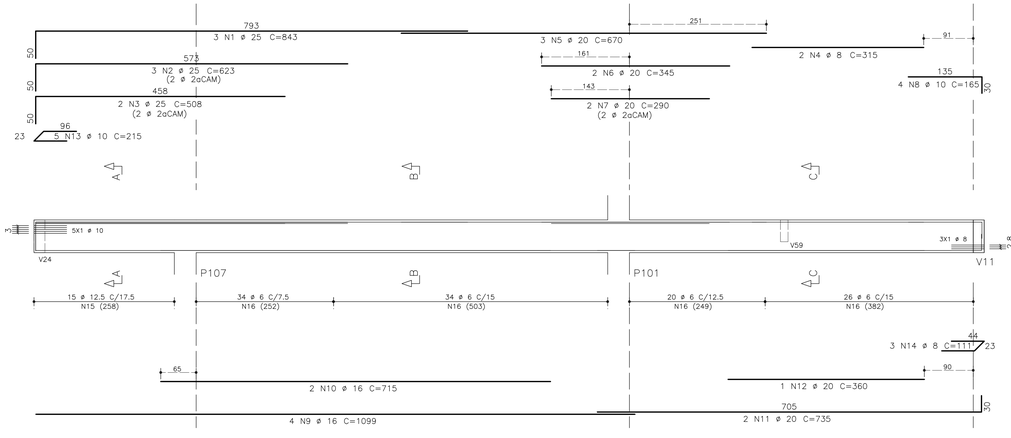



Corte A

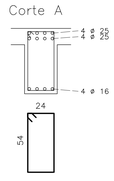



24 N5 ø 5 C=138

## V29

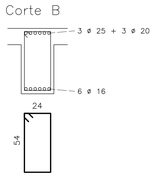



Corte A



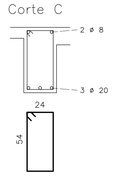

15 N15 ø 12.5 C=191

Corte B




68 N16 ø 6 C=173

Corte C




46 N16 ø 6 C=173

| | AÇO | POS | BIT (mm) | QUANT | COMPRIMENTO UNIT (cm) | COMPRIMENTO TOTAL (cm) |
|---|---|---|---|---|---|---|
| V26 | | | | | | |
| | 50 | 1 | 8 | 2 | 510 | 1020 |
| | 50 | 2 | 8 | 2 | 315 | 630 |
| | 50 | 3 | 12.5 | 3 | 455 | 1365 |
| | 50 | 4 | 10 | 2 | 235 | 470 |
| | 50 | 5 | 8 | 2 | 420 | 840 |
| | 50 | 6 | 16 | 2 | 465 | 930 |
| | 50 | 7 | 16 | 1 | 255 | 255 |
| | 50 | 8 | 10 | 3 | 170 | 510 |
| | 50 | 9 | 12.5 | 2 | 745 | 1490 |
| | 50 | 10 | 12.5 | 2 | 555 | 1110 |
| | 50 | 11 | 10 | 3 | 740 | 2220 |
| | 50 | 12 | 12.5 | 2 | 760 | 1520 |
| | 50 | 13 | 12.5 | 2 | 560 | 1120 |
| | 60 | 14 | 5 | 139 | 164 | 22796 |
| | 60 | 15 | 5 | 6 | 732 | 4392 |
| | 60 | 16 | 5 | 6 | 740 | 4440 |
| | 60 | 17 | 5 | 6 | 748 | 4488 |
| V27 | | | | | | |
| | 50 | 1 | 12.5 | 3 | 743 | 2229 |
| | 50 | 2 | 8 | 2 | 280 | 560 |
| | 50 | 3 | 12.5 | 2 | 335 | 670 |
| | 50 | 4 | 12.5 | 3 | 510 | 1530 |
| | 50 | 5 | 10 | 4 | 1099 | 4396 |
| | 50 | 6 | 12.5 | 2 | 380 | 760 |
| | 60 | 7 | 6 | 55 | 182 | 10010 |
| | 50 | 8 | 8 | 78 | 187 | 14586 |
| | 50 | 9 | 8 | 8 | 319 | 2552 |
| | 50 | 10 | 8 | 12 | 808 | 9696 |
| | 50 | 11 | 8 | 8 | 359 | 2872 |
| V29 | | | | | | |
| | 50 | 1 | 25 | 3 | 843 | 2529 |
| | 50 | 2 | 25 | 3 | 623 | 1869 |
| | 50 | 3 | 25 | 2 | 508 | 1016 |
| | 50 | 4 | 8 | 2 | 315 | 630 |
| | 50 | 5 | 20 | 3 | 670 | 2010 |
| | 50 | 6 | 20 | 2 | 345 | 690 |
| | 50 | 7 | 20 | 2 | 290 | 580 |
| | 50 | 8 | 10 | 4 | 165 | 660 |
| | 50 | 9 | 16 | 4 | 1099 | 4396 |
| | 50 | 10 | 16 | 2 | 715 | 1430 |
| | 50 | 11 | 20 | 2 | 735 | 1470 |
| | 50 | 12 | 20 | 1 | 360 | 360 |
| | 50 | 13 | 10 | 5 | 215 | 1075 |
| | 50 | 14 | 8 | 3 | 111 | 333 |
| | 50 | 15 | 12.5 | 15 | 191 | 2865 |
| | 60 | 16 | 6 | 114 | 173 | 19722 |
| V53 | | | | | | |
| | 50 | 1 | 16 | 2 | 675 | 1350 |
| | 50 | 2 | 16 | 4 | 240 | 960 |
| | 50 | 3 | 16 | 2 | 665 | 1330 |
| | 50 | 4 | 8 | 4 | 105 | 420 |
| | 60 | 5 | 5 | 24 | 138 | 3312 |

| RESUMO AÇO CA 50-60 | | | |
|---|---|---|---|
| AÇO | BIT (mm) | COMPR (m) | PESO (kg) |
| 60 | 5 | 394 | 63 |
| 60 | 6 | 297 | 66 |
| 50 | 8 | 341 | 137 |
| 50 | 10 | 93 | 59 |
| 50 | 12.5 | 147 | 147 |
| 50 | 16 | 107 | 170 |
| 50 | 20 | 51 | 128 |
| 50 | 25 | 54 | 217 |
| Peso Total | 60 = | | 129 kg |
| Peso Total | 50 = | | 857 kg |

| Platagem | |
|---|---|
| Esc.: | 1/100 |
| Penas | |
| 1-0.15 | **6-0.45** |
| 2-0.25 | 7-0.25 |
| 3-0.25 | 8-0.25 |
| 4-0.25 | 9-0.25 |
| 5-0.25 | 10-0.25 |

REPRESENTANTE LEGAL: GUSTAVO F. R. COELHO
CIC Nº 365.873.624-00

RUI NUNES REGO FILHO
ENGENHEIRO CIVIL - CREA 2105077943

RESPONSÁVEL PELA OBRA

**UNIVERSIDADE FEDERAL DO RIO GRANDE DO NORTE**
**Superintendência de Infra-estrutura**

| | |
|---|---|
| SUPERINTENDENTE: ENG. GUSTAVO FERNANDES ROSADO COELHO | CIC Nº: 365.873.624-00 |
| AUTOR DO PROJETO: RUI NUNES REGO FILHO | CREA Nº: 2105077943 |

PROJETO: ESTRUTURAL - CONCRETO ARMADO

LOCAL: CAMPUS CENTRAL DA UFRN - AV. SEN. SALGADO FILHO - 3000 - 59078-970 - NATAL - RN

OBRA: INSTITUTO DO CÉREBRO

ASSUNTO: ARMAÇÃO DE VIGAS DA COBERTURA

| DATA | ESCALA(S) | Resistência Característica à Compressão do Concreto | PRANCHA Nº |
|---|---|---|---|
| 27/08/2014 | 1:50 | Fck = 30 MPa | **92**/144 |

OBSERVAÇÕES
INFORMAÇÕES TÉCNICAS:
MÓDULO DE ELASTICIDADE SECANTE DO CONCRETO: 26071 MPa
AÇO: CA-50A / 60B
DÚVIDAS SOBRE O PROJETO: CONTATE O(A) ENGENHEIRO(A) - UFRN/SIN - TEL.: 3215 3162
DIREITOS AUTORAIS RESERVADOS - PROIBIDA QUALQUER MODIFICAÇÃO OU REPRODUÇÃO NO TODO OU EM PARTE, SEM PRÉVIO CONSENTIMENTO DO AUTOR, DE ACORDO COM A LEI FEDERAL 9.610/98.

PR65x70