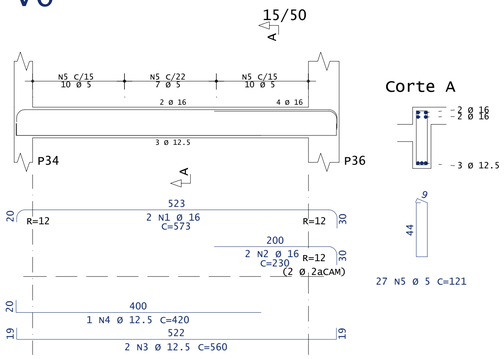
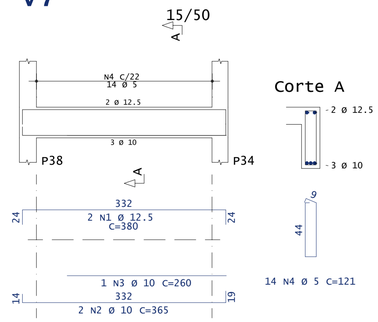
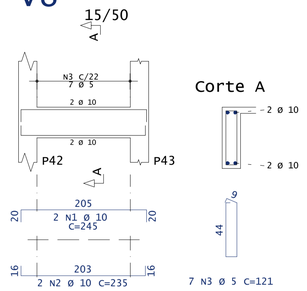
## v6



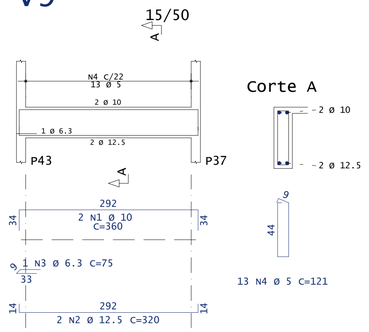

## v7




## v8



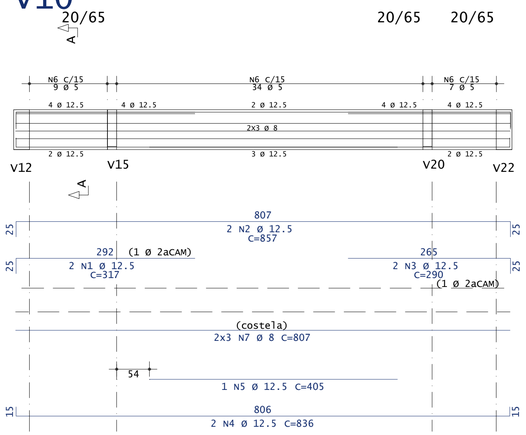

## v9



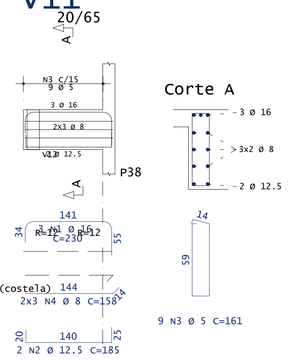

| AÇO | POS | BIT | QUANT | COMPRIMENTO | |
|---|---|---|---|---|---|
| | | | | UNIT | TOTAL |
| | | mm | | cm | cm |
| **V6** | | | | | |
| 50A | 1 | 16 | 2 | 573 | 1146 |
| 50A | 2 | 16 | 2 | 230 | 460 |
| 50A | 3 | 12.5 | 2 | 560 | 1120 |
| 50A | 4 | 12.5 | 1 | 420 | 420 |
| 60A | 5 | 5 | 27 | 121 | 3267 |
| **V7** | | | | | |
| 50A | 1 | 12.5 | 2 | 380 | 760 |
| 50A | 2 | 10 | 2 | 365 | 730 |
| 50A | 3 | 10 | 1 | 260 | 260 |
| 60A | 4 | 5 | 14 | 121 | 1694 |
| **V8** | | | | | |
| 50A | 1 | 10 | 2 | 245 | 490 |
| 50A | 2 | 10 | 2 | 235 | 470 |
| 60A | 3 | 5 | 7 | 121 | 847 |
| **V9** | | | | | |
| 50A | 1 | 10 | 2 | 360 | 720 |
| 50A | 2 | 12.5 | 2 | 320 | 640 |
| 50A | 3 | 6.3 | 1 | 75 | 75 |
| 60A | 4 | 5 | 13 | 121 | 1573 |
| **V10** | | | | | |
| 50A | 1 | 12.5 | 2 | 317 | 634 |
| 50A | 2 | 12.5 | 2 | 857 | 1714 |
| 50A | 3 | 12.5 | 2 | 290 | 580 |
| 50A | 4 | 12.5 | 2 | 836 | 1672 |
| 50A | 5 | 12.5 | 1 | 405 | 405 |
| 60A | 6 | 5 | 50 | 161 | 8050 |
| 50A | 7 | 8 | 6 | 807 | 4842 |
| **V11** | | | | | |
| 50A | 1 | 16 | 3 | 230 | 690 |
| 50A | 2 | 12.5 | 2 | 185 | 370 |
| 60A | 3 | 5 | 9 | 161 | 1449 |
| 50A | 4 | 8 | 6 | 158 | 948 |
| **V12** | | | | | |
| 50A | 1 | 16 | 2 | 235 | 470 |
| 50A | 2 | 12.5 | 2 | 180 | 360 |
| 60A | 3 | 5 | 9 | 161 | 1449 |
| 50A | 4 | 8 | 6 | 142 | 852 |
| **V13** | | | | | |
| 50A | 1 | 12.5 | 2 | 183 | 366 |
| 50A | 2 | 12.5 | 4 | 135 | 540 |
| 60A | 3 | 5 | 5 | 141 | 705 |
| 60A | 4 | 50 | 10 | 255 | 2550 |
| **V14** | | | | | |
| 50A | 1 | 12.5 | 2 | 262 | 524 |
| 50A | 2 | 10 | 2 | 155 | 310 |
| 50A | 3 | 12.5 | 7 | 130 | 910 |
| 50A | 4 | 10 | 2 | 275 | 550 |
| 50A | 5 | 10 | 6 | 200 | 1200 |
| 50A | 6 | 12.5 | 1 | 136 | 136 |
| 60A | 7 | 5 | 9 | 121 | 1089 |
| **V15** | | | | | |
| 50A | 1 | 10 | 2 | 235 | 470 |
| 50A | 2 | 10 | 1 | 170 | 170 |
| 50A | 3 | 12.5 | 2 | 435 | 870 |
| 50A | 4 | 12.5 | 1 | 320 | 320 |
| 60A | 5 | 5 | 2 | 250 | 500 |
| 50A | 6 | 12.5 | 2 | 305 | 610 |
| 50A | 7 | 12.5 | 2 | 190 | 380 |
| 50A | 8 | 12.5 | 2 | 355 | 710 |
| 50A | 9 | 12.5 | 2 | 240 | 480 |
| 50A | 10 | 12.5 | 2 | 140 | 280 |
| 50A | 11 | 10 | 2 | 485 | 970 |
| 50A | 12 | 10 | 1 | 160 | 160 |
| 50A | 13 | 12.5 | 2 | 805 | 1610 |
| 50A | 14 | 12.5 | 2 | 510 | 1020 |
| 50A | 15 | 6.3 | 1 | 130 | 130 |
| 50A | 16 | 6.3 | 2 | 142 | 284 |
| 60A | 17 | 5 | 51 | 141 | 7191 |

| RESUMO DE AÇO | | | |
|---|---|---|---|
| AÇO | BIT | COMPR | PESO |
| | mm | m | kgf |
| 60A | 5 | 278 | 43 |
| 50A | 6.3 | 5 | 1 |
| 50A | 8 | 66 | 26 |
| 50A | 10 | 65 | 40 |
| 50A | 12.5 | 174 | 168 |
| 50A | 16 | 28 | 44 |
| Peso Total | 60A = | | 43 kgf |
| Peso Total | 50A = | | 279 kgf |

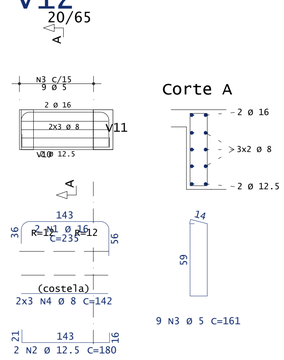
## v10



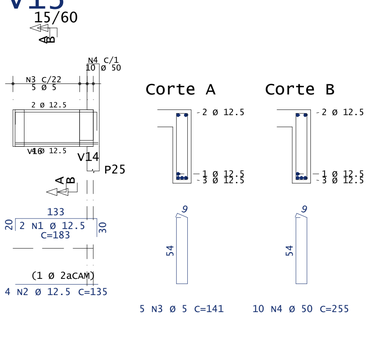

## v11



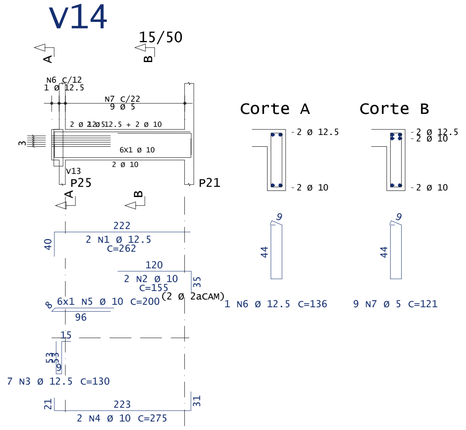

## v12



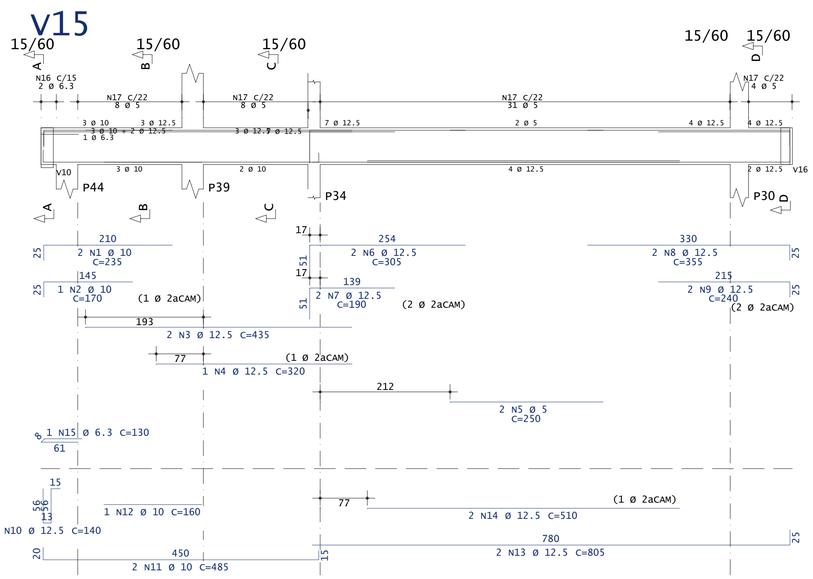

## v13

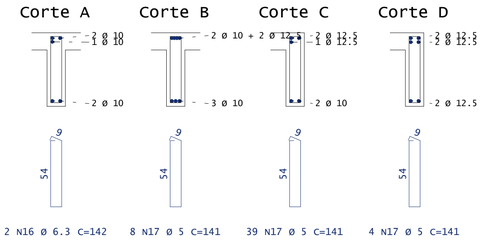



## v14




## v15




ANOTAÇÕES
TOMAR MEDIDAS EM CENTÍMETROS (cm);

| REV | DATA | REVISÃO | RESP. |
|---|---|---|---|
| 03 | | | |
| 02 | 08/03/2022 | REVISÃO V15 | RENATO |
| 01 | 02/08/2021 | EMISSÃO INICIAL | RENATO |

CONCRETO
fck 30 MPa = 300 kgf/cm²
cobrimento mínimo armadura = 3cm

TRAÇO CONCRETO
Verificar memorial ou com engenheiro responsável pela execução

CARGAS UTILIZADAS
De acordo com a NBR 6120
Laje utilizada : Maciça e Nervurada com EPS

DÚVIDAS E PROBLEMAS CONCRETAGEM
Verificar Especificações Técnicas
Consultar Projetista

RESPONSÁVEL TÉCNICO
RETTA ENGENHARIA
CREA-SC: 167.811-1

ASSINATURA
RETTA ENGENHARIA LTDA:34290407000112
Assinado de forma digital por RETTA ENGENHARIA LTDA:34290407000112 Dados: 2022.03.08 16:47:11 -03'00'

PROPRIETÁRIO
PREFEITURA MUNICIPAL DE XAXIM-SC
CNPJ Nº: 82.854.670/0001-30

ASSINATURA
EDILSON ANTONIO FOLLE:50959670904
Assinado de forma digital por EDILSON ANTONIO FOLLE:50959670904 Dados: 2022.03.13 07:16:41 -03'00'

RETTA ENGENHARIA

OBRA
AMPLIAÇÃO CASA DA CULTURA

DESCRIÇÃO
DETALHAMENTO DE ARMADURA DE VIGAS PRIMEIRO PAVIMENTO

PROJETO
RENAT0 VARNIER

ESCALA 1:25

DATA 02/08/2021

PRANCHA 23

PRANCHA / ARQUIVO
ESTRUTURAL CASA DA CULTURA XAXIM

E-MAIL: rettaengenharia@outlook.com.br FONE: (49) 98847-2742 /(49) 98826-0220