# VIGAS - CINTAMENTO

## V1
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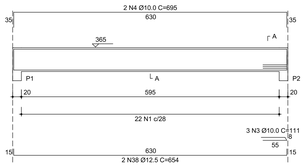
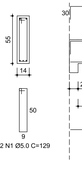



SEÇÃO A-A
ESC 1:25

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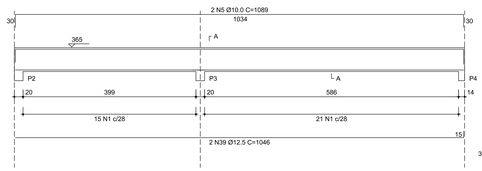
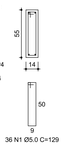



SEÇÃO A-A
ESC 1:25

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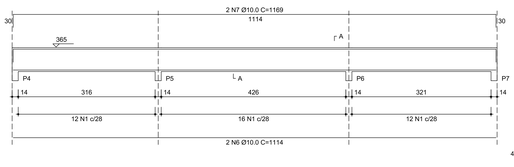
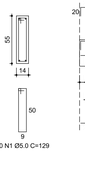



SEÇÃO A-A
ESC 1:25

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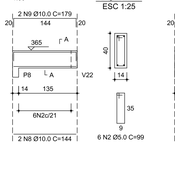


SEÇÃO A-A
ESC 1:25




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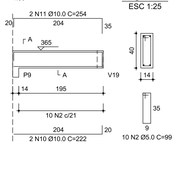
1:50




SEÇÃO A-A
ESC 1:25

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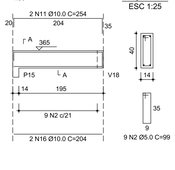
1:50




SEÇÃO A-A
ESC 1:25

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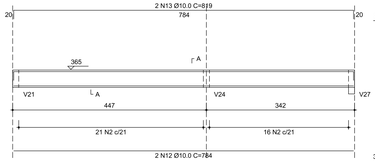
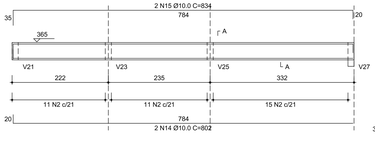
1:50

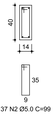



SEÇÃO A-A
ESC 1:25

## V7
1:50




SEÇÃO A-A
ESC 1:25

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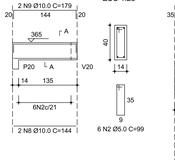


SEÇÃO A-A
ESC 1:25




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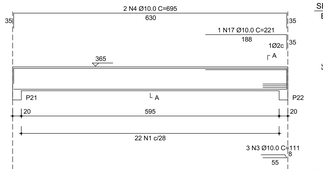
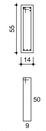
1:50




SEÇÃO A-A
ESC 1:25

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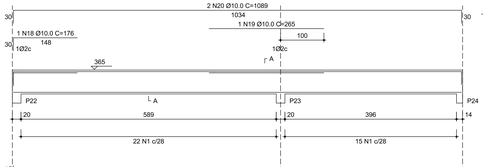
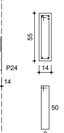
1:50




SEÇÃO A-A
ESC 1:25

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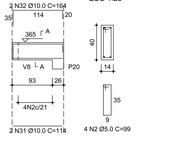


SEÇÃO A-A
ESC 1:25




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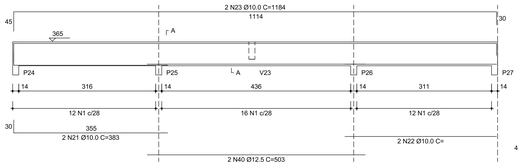
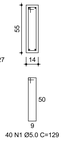
1:50




SEÇÃO A-A
ESC 1:25

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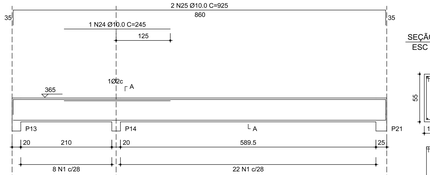
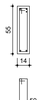
1:50




SEÇÃO A-A
ESC 1:25

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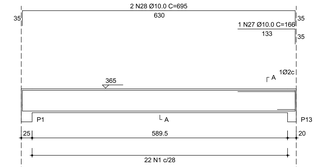
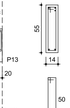
1:50




SEÇÃO A-A
ESC 1:25

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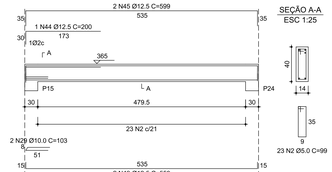
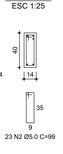



SEÇÃO A-A
ESC 1:25

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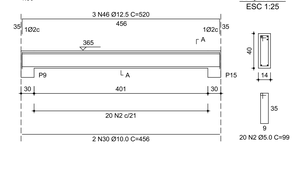


SEÇÃO A-A
ESC 1:25

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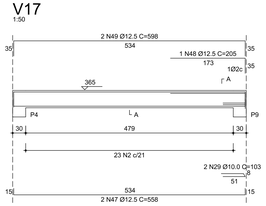
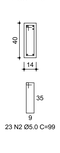
1:50




SEÇÃO A-A
ESC 1:25

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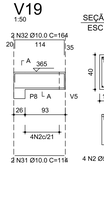
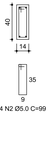



SEÇÃO A-A
ESC 1:25

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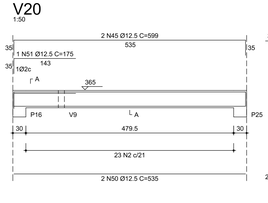
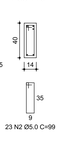



SEÇÃO A-A
ESC 1:25

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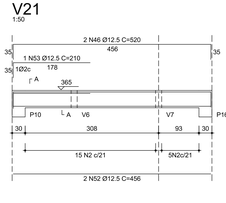
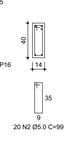



SEÇÃO A-A
ESC 1:25

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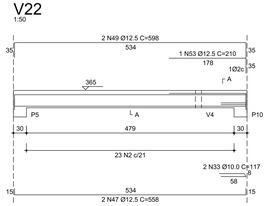
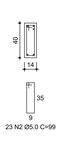



SEÇÃO A-A
ESC 1:25

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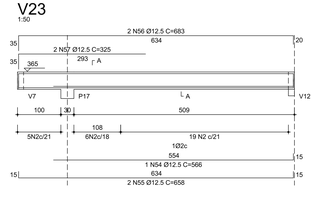
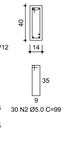



SEÇÃO A-A
ESC 1:25

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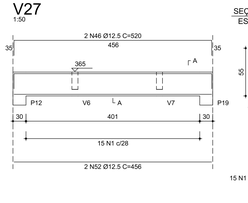
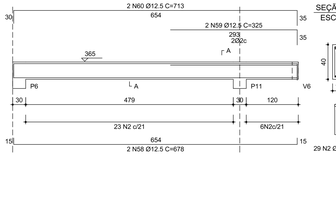
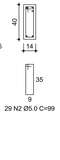



SEÇÃO A-A
ESC 1:25

## V24
1:50




SEÇÃO A-A
ESC 1:25

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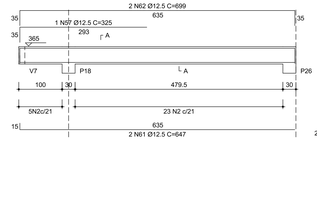
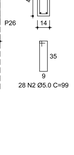
1:50




SEÇÃO A-A
ESC 1:25

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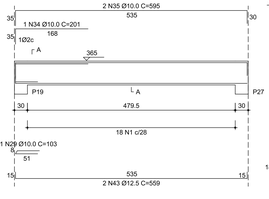
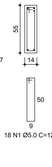
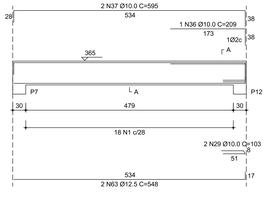


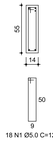

SEÇÃO A-A
ESC 1:25




## V28
1:50




SEÇÃO A-A
ESC 1:25




## RELAÇÃO DO AÇO

V1 A V28

| AÇO | N | DIAM | Q | UNIT (cm) | C.TOTAL (cm) |
|---|---|---|---|---|---|
| 60 | 1 | 5.0 | 300 | 129 | 38700 |
| | 2 | 5.0 | 332 | 99 | 32868 |
| 50 | 3 | 10.0 | 6 | 111 | 666 |
| | 4 | 10.0 | 4 | 695 | 2780 |
| | 5 | 10.0 | 2 | 1089 | 2178 |
| | 6 | 10.0 | 2 | 1114 | 2228 |
| | 7 | 10.0 | 2 | 1169 | 2338 |
| | 8 | 10.0 | 4 | 144 | 576 |
| | 9 | 10.0 | 4 | 179 | 716 |
| | 10 | 10.0 | 2 | 222 | 444 |
| | 11 | 10.0 | 4 | 254 | 1016 |
| | 12 | 10.0 | 2 | 784 | 1568 |
| | 13 | 10.0 | 2 | 819 | 1638 |
| | 14 | 10.0 | 2 | 802 | 1604 |
| | 15 | 10.0 | 2 | 834 | 1668 |
| | 16 | 10.0 | 2 | 204 | 408 |
| | 17 | 10.0 | 2 | 221 | 221 |
| | 18 | 10.0 | 1 | 176 | 176 |
| | 19 | 10.0 | 1 | 265 | 265 |
| | 20 | 10.0 | 2 | 1089 | 2178 |
| | 21 | 10.0 | 2 | 383 | 766 |
| | 22 | 10.0 | 2 | 350 | 700 |
| | 23 | 10.0 | 2 | 1184 | 2368 |
| | 24 | 10.0 | 1 | 245 | 245 |
| | 25 | 10.0 | 1 | 925 | 1850 |
| | 26 | 10.0 | 1 | 83 | 83 |
| | 27 | 10.0 | 1 | 620 | 620 |
| | 28 | 10.0 | 2 | 695 | 1390 |
| | 29 | 10.0 | 7 | 103 | 721 |
| | 30 | 10.0 | 2 | 456 | 912 |
| | 31 | 10.0 | 4 | 114 | 456 |
| | 32 | 10.0 | 4 | 164 | 656 |
| | 33 | 10.0 | 2 | 117 | 234 |
| | 34 | 10.0 | 1 | 201 | 201 |
| | 35 | 10.0 | 2 | 595 | 1190 |
| | 36 | 10.0 | 1 | 209 | 209 |
| | 37 | 10.0 | 2 | 595 | 1190 |
| | 38 | 12.5 | 4 | 654 | 2616 |
| | 39 | 12.5 | 4 | 1046 | 4184 |
| | 40 | 12.5 | 2 | 503 | 1006 |
| | 41 | 12.5 | 2 | 872 | 1744 |
| | 42 | 12.5 | 2 | 654 | 1308 |
| | 43 | 12.5 | 4 | 559 | 2236 |
| | 44 | 12.5 | 1 | 200 | 200 |
| | 45 | 12.5 | 4 | 599 | 2396 |
| | 46 | 12.5 | 8 | 520 | 4160 |
| | 47 | 12.5 | 4 | 558 | 2232 |
| | 48 | 12.5 | 1 | 205 | 205 |
| | 49 | 12.5 | 4 | 598 | 2392 |
| | 50 | 12.5 | 2 | 535 | 1070 |
| | 51 | 12.5 | 1 | 175 | 175 |
| | 52 | 12.5 | 4 | 456 | 1824 |
| | 53 | 12.5 | 2 | 210 | 420 |
| | 54 | 12.5 | 1 | 566 | 566 |
| | 55 | 12.5 | 2 | 658 | 1316 |
| | 56 | 12.5 | 2 | 683 | 1366 |
| | 57 | 12.5 | 3 | 325 | 975 |
| | 58 | 12.5 | 2 | 678 | 1356 |
| | 59 | 12.5 | 2 | 325 | 650 |
| | 60 | 12.5 | 2 | 713 | 1426 |
| | 61 | 12.5 | 2 | 647 | 1294 |
| | 62 | 12.5 | 2 | 699 | 1398 |
| | 63 | 12.5 | 2 | 548 | 1096 |
| | 64 | 12.5 | 1 | 1034 | 1034 |

## RESUMO DO AÇO

| AÇO | DIAM | C.TOTAL (m) | PESO+10% (kg) |
|---|---|---|---|
| CA50 | 10.0 | 360.2 | 244.3 |
| | 12.5 | 408.6 | 430.9 |
| CA60 | 5.0 | 718.8 | 121.9 |
| PESO TOTAL | | | |
| CA50 | 675.1 | | |
| CA60 | 121.9 | | |

Vol. concreto (C-25) = 10,87 m³
Área de forma total = 177,90 m²

CARIMBOS:

UFFS
UNIVERSIDADE FEDERAL DA FRONTEIRA SUL
Secretaria Especial de Obras-SEO
Avenida Fernando Machado, nº 108 E - Bloco 2 Sala 2.2.05
Centro | Chapecó, SC - Complexo Jacobs (49) 2121 - 2000 nº 10 - Site Oficial: www.uffs.edu.br

SECRETARIA ESPECIAL DE OBRAS
DIRETOR DE OBRAS: ENG. CIV. FÁBIO CORREA GASPARETTO — CREA/SC 087202-8
DIRETOR DE PROJETOS: ARQUIMEDES ROMERO JR.

FISCALIZAÇÃO DE OBRAS:
CHAPECÓ/SC: ENG. CIV. FÁBIO ALEX ZENARO — CREA/SC 103121-2
ENG. ELETRIC. MATHEUS TODESCATT — CREA/SC 111551-7
CERRO LARGO/RS: ENG. CIV. RODRIGO DAHMER — CREA/RS 225662
ENG. CIV. CAMILO ROQUE SCANDOLARA — CREA/RS 43766
ERECHIM/RS: ENG. CIV. CAMILO ROQUE SCANDOLARA — CREA/RS 43766
LARANJEIRAS DO SUL/PR: ENG. CIV. FÁBIO DAETTA — CREA/PR 84167-D
REALEZA/PR: ENG. CIV. FABRÍCIO BALESTRIN — CREA/PR 121460

DIRETORIA DE PROJETOS - SEO:
ENG. CIV. FÁBIO CORREA GASPARETTO — CREA/SC 087202-8
ARQ. URB. WELLISON TSCHEIK — CAU/BR A161218-2
ENG. CIV. RODRIGO DAHMER — CREA/RS 225662
ENG. ELETRIC. SILVIO ANTONIO TESTON — CREA/SC 094698-6
ENG. ELETRIC. MATHEUS TODESCATT DE SILVA — CREA/SC 111551-7
ENG. SANIT. JEAN PIC TASCHI — CREA/SC 115592-2
ENG. MEC. DANIEL ESPIG — CREA/SC 114137-1
ENG. CIV. CAMILO ROQUE SCANDOLARA — CREA/RS 43766
TEC. EDIFÍCIOS: DIEGO ZANCATTO — CREA/SC 116581-4
A.T.I.: LEANDRO PEREIRA

ENG. CIV. FÁBIO CORREA GASPARETTO
CREA/SC 087202-8
RESPONSÁVEL SEO-UFFS

ENG. CIVIL RODOGRIO DAHMER
CREA/SC 225662-3
RESPONSÁVEL TÉCNICO

| | | |
|---|---|---|
| LOCAL: CERRO LARGO / RS | FASE: EXECUTIVO | ESCALA: 1:25 E 1:50 |
| OBRA: EDIFÍCIO PATRIMÔNIO E ALMOXARIFADO | REVISÃO Nº: R01 | TAMANHO FOLHA: 1189x594 |
| PROJETO: PROJETO ESTRUTURAL | DATA: 29/11/2019 | Nº PRANCHA: EST 08 / 08 |
| CONTEÚDO: DETALHE - VIGAS CINTAMENTO (NÍVEL 365) | DESENHADO POR: RODRIGO | |
| ENDEREÇO: RUA JACOB REINALDO HAUPENTHAL, 1.580 | NOME DO ARQUIVO: [UFF-VIGA]-AUR_UFFS_CL_02_PLANTAS+DETALHES.DWG | |