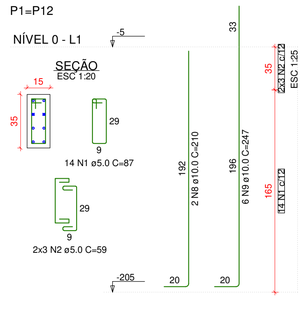
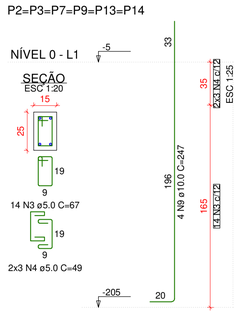
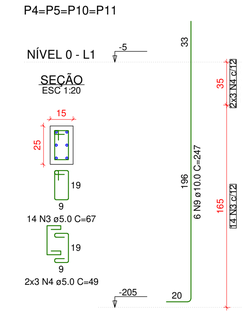
## P1=P12



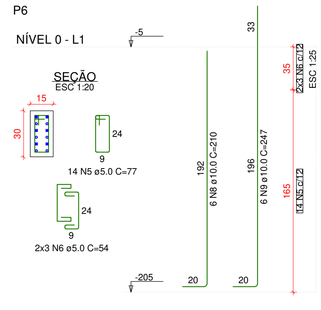

## P2=P3=P7=P9=P13=P14



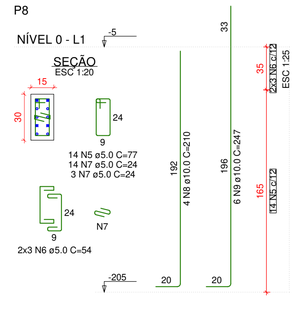

## P4=P5=P10=P11




## P6




## P8




RELAÇÃO DO AÇO

2xP1 6xP2 4xP4
P6 P8

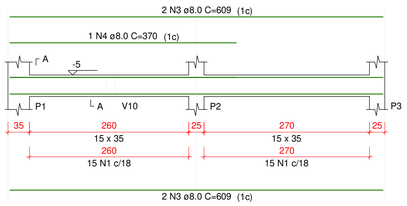
| AÇO | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|---|---|---|---|---|---|
| CA60 | 1 | 5.0 | 28 | 87 | 2436 |
| | 2 | 5.0 | 12 | 59 | 708 |
| | 3 | 5.0 | 140 | 67 | 9380 |
| | 4 | 5.0 | 60 | 49 | 2940 |
| | 5 | 5.0 | 28 | 77 | 2156 |
| | 6 | 5.0 | 12 | 54 | 648 |
| | 7 | 5.0 | 17 | 24 | 408 |
| CA50 | 8 | 10.0 | 14 | 210 | 2940 |
| | 9 | 10.0 | 72 | 247 | 17784 |

RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 0% (kg) |
|---|---|---|---|
| CA50 | 10.0 | 207.2 | 127.8 |
| CA60 | 5.0 | 186.8 | 28.8 |
| PESO TOTAL (kg) | | | |
| CA50 | 127.8 | | |
| CA60 | 28.8 | | |

Volume de concreto (C-30) = 0.86 m³
Área de forma = 17.70 m²

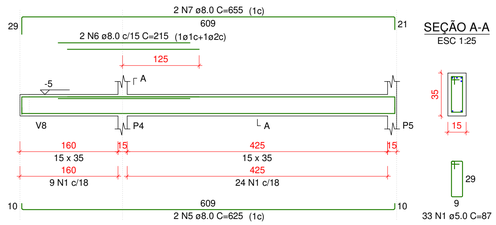
## V1
ESC 1:50




SEÇÃO A-A
ESC 1:25



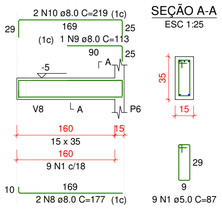

## V2
ESC 1:50




SEÇÃO A-A
ESC 1:25



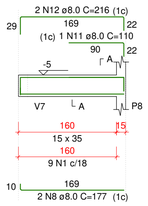

## V3
ESC 1:50



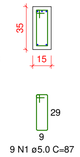

SEÇÃO A-A
ESC 1:25



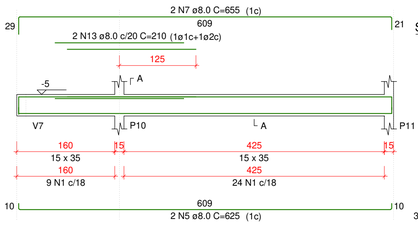

## V4
ESC 1:50



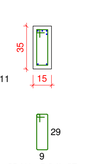

SEÇÃO A-A
ESC 1:25



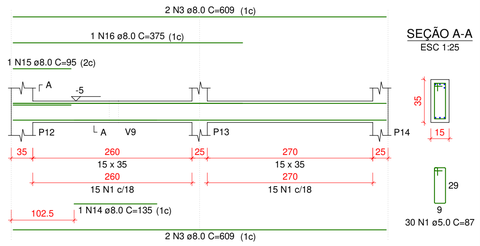

## V5
ESC 1:50




SEÇÃO A-A
ESC 1:25



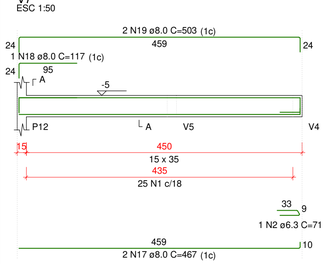

## V6
ESC 1:50



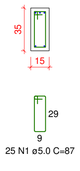

SEÇÃO A-A
ESC 1:25



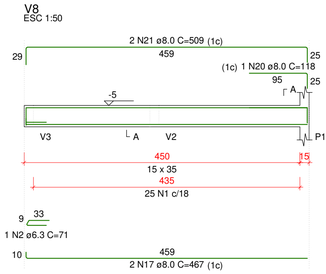

## V7
ESC 1:50



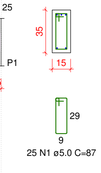

SEÇÃO A-A
ESC 1:25



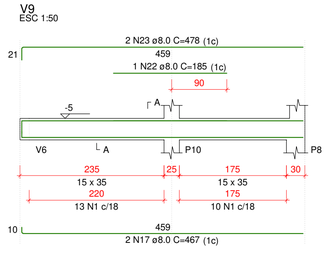

## V8
ESC 1:50



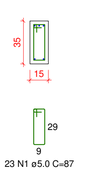

SEÇÃO A-A
ESC 1:25



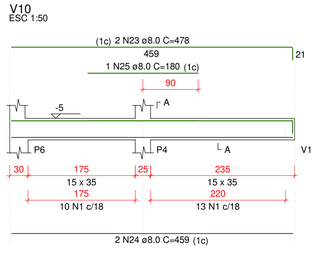

## V9
ESC 1:50



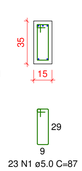

SEÇÃO A-A
ESC 1:25



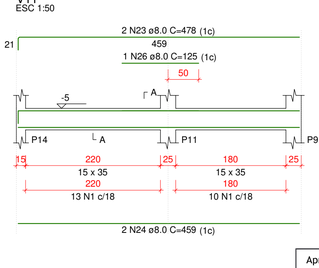

## V10
ESC 1:50




SEÇÃO A-A
ESC 1:25



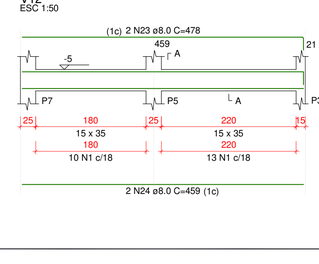

## V11
ESC 1:50



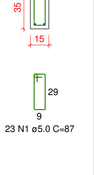

SEÇÃO A-A
ESC 1:25




## V12
ESC 1:50




SEÇÃO A-A
ESC 1:25




RELAÇÃO DO AÇO

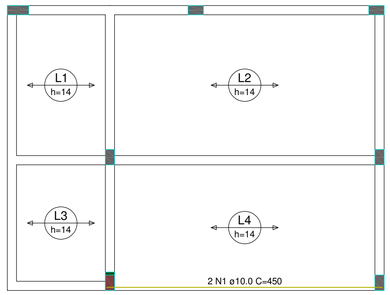
V1 V2 V3
V4 V5 V6
V7 V8 V9
V10 V11 V12

| AÇO | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|---|---|---|---|---|---|
| CA60 | 1 | 5.0 | 286 | 87 | 24882 |
| CA50 | 2 | 6.3 | 2 | 71 | 142 |
| | 3 | 8.0 | 8 | 609 | 4872 |
| | 4 | 8.0 | 1 | 370 | 370 |
| | 5 | 8.0 | 4 | 625 | 2500 |
| | 6 | 8.0 | 2 | 215 | 430 |
| | 7 | 8.0 | 4 | 655 | 2620 |
| | 8 | 8.0 | 4 | 177 | 708 |
| | 9 | 8.0 | 1 | 113 | 113 |
| | 10 | 8.0 | 2 | 219 | 438 |
| | 11 | 8.0 | 1 | 110 | 110 |
| | 12 | 8.0 | 2 | 216 | 432 |
| | 13 | 8.0 | 2 | 210 | 420 |
| | 14 | 8.0 | 1 | 135 | 135 |
| | 15 | 8.0 | 1 | 95 | 95 |
| | 16 | 8.0 | 1 | 375 | 375 |
| | 17 | 8.0 | 6 | 467 | 2802 |
| | 18 | 8.0 | 1 | 117 | 117 |
| | 19 | 8.0 | 2 | 503 | 1006 |
| | 20 | 8.0 | 1 | 118 | 118 |
| | 21 | 8.0 | 2 | 509 | 1018 |
| | 22 | 8.0 | 1 | 185 | 185 |
| | 23 | 8.0 | 8 | 478 | 3824 |
| | 24 | 8.0 | 6 | 459 | 2754 |
| | 25 | 8.0 | 1 | 180 | 180 |
| | 26 | 8.0 | 1 | 125 | 125 |

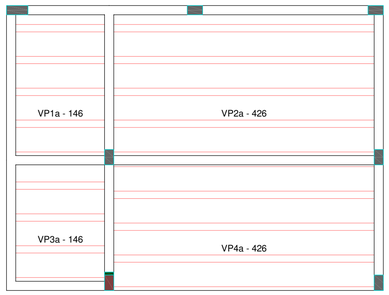
RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 0% (kg) |
|---|---|---|---|
| CA50 | 6.3 | 1.4 | 0.3 |
| | 8.0 | 257.5 | 101.6 |
| CA60 | 5.0 | 248.8 | 38.4 |
| PESO TOTAL (kg) | | | |
| CA50 | 101.9 | | |
| CA60 | 38.4 | | |

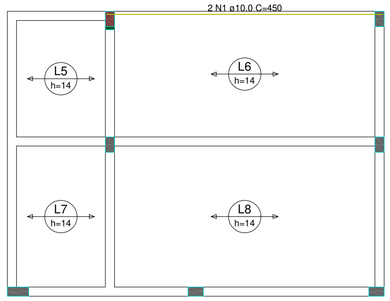
Volume de concreto (C-30) = 2.64 m³
Área de forma = 32.81 m²

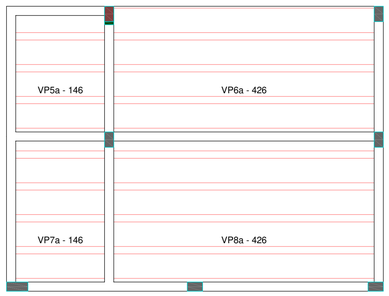



Armação positiva das lajes do pavimento Nível 0 (Eixo X)
escala 1:50

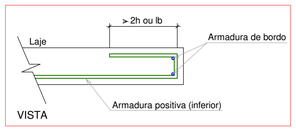



Planta de vigotas pré-moldadas
escala 1:50




DETALHE DA ARMADURA
DE BORDO LIVRE DA LAJE




RELAÇÃO DO AÇO

Positivos X

| AÇO | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|---|---|---|---|---|---|
| CA50 | 1 | 10.0 | 4 | 450 | 1800 |

RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 0% (kg) |
|---|---|---|---|
| CA50 | 10.0 | 18 | 11.1 |
| PESO TOTAL (kg) | | | |
| CA50 | 11.1 | | |

Volume de concreto (C-30) = 1.96 m³
Área de forma = 0.00 m²

Aprovações:

ammoc
Associação dos Municípios do Meio Oeste Catarinense


Rua Roberto Trompowski,68 - 2º andar / Tel: 49 3522-2800 - www.ammoc.org.br - e-mail: ammoc@ammoc.org.br - Joaçaba/SC


# PREFEITURA MUNICIPAL DE CATANDUVAS

Obra:

REFORMA ESCOLA ALFREDO GOMES

ESTRUTURAL

Local da Obra: AVENIDA CORONEL RUPP, BAIRRO CENTRO - CATANDUVAS / SANTA CATARINA

Conteúdo:
- DETALHAMENTO: PILAR, VIGA, LAJE (NÍVEL 0)


Responsável Técnico:
Ana Júlia U. de Carvalho - Eng. Civil - CREA-SC 105.295-8
André Brito Dotti - Eng. Civil - CREA-SC 162.237-5
André Felipe Kasteller - Eng. Civil - CREA-SC 201.019-5
Camila Zagonel - Eng. Civil - CREA-SC 112.963-0
Denir Narcizo Zulian - Eng. Civil - CREA-SC 50.805-8
Felipe L. Parisoto - Eng. Agrônomo - CREA-SC 183.059-9
Max Mooshammer - Eng. Civil - CREA-SC 139.164-0
Suellen Karine Cervelin - Eng. Civil - CREA-SC 166.933-0


EST 02/03

Quais is técnicos:

gov.br Documento assinado digitalmente
SUELLEN KARINE CERVELIN
Data: 19/11/2025 17:53:35-0300
Verifique em https://validar.iti.gov.br

Assinatura Responsável Técnico

Assinatura Prefeito(a) Municipal

| Desenho: | Data: | Escala: | Área Total: |
|---|---|---|---|
| ANDRÉ DOTTI | NOVEMBRO / 2025 | Indicada (s) | --- |