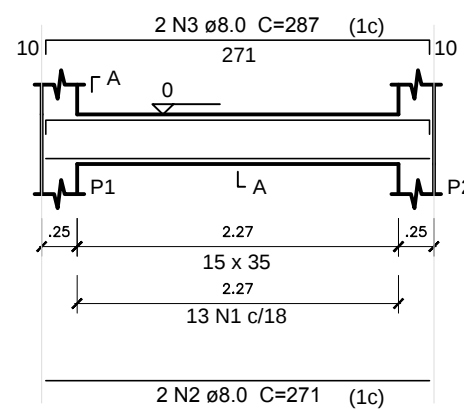
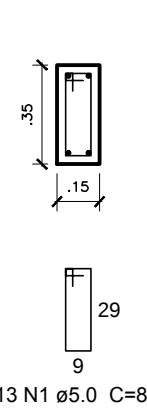


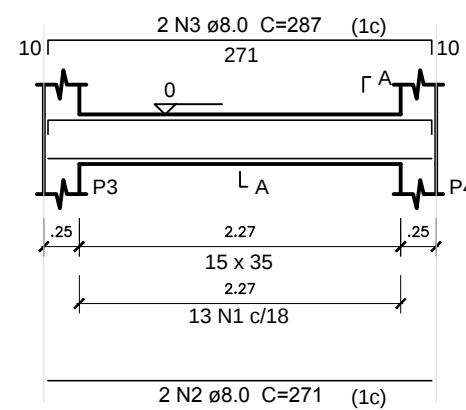
V1  
ESC 1:50



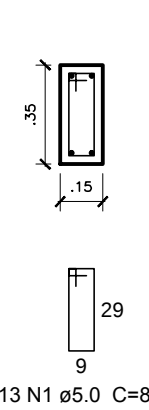
SEÇÃO A-A  
ESC 1:25



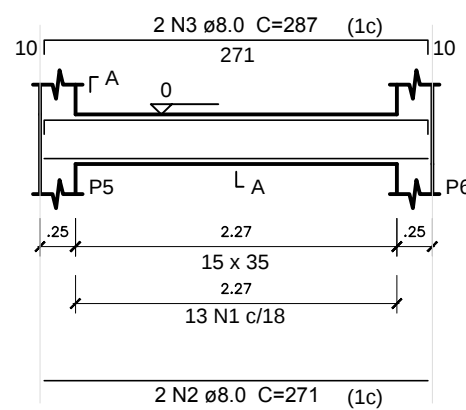
V2  
ESC 1:50



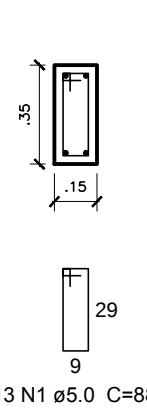
SEÇÃO A-A  
ESC 1:25



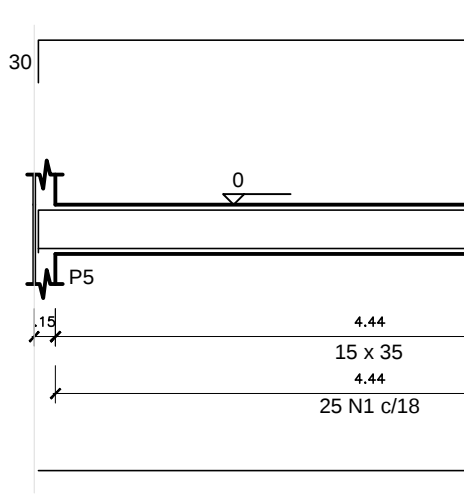
V3  
ESC 1:50



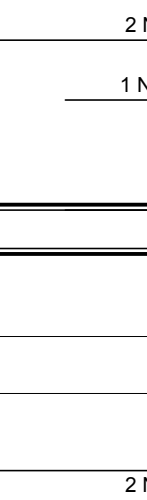
SEÇÃO A-A  
ESC 1:25



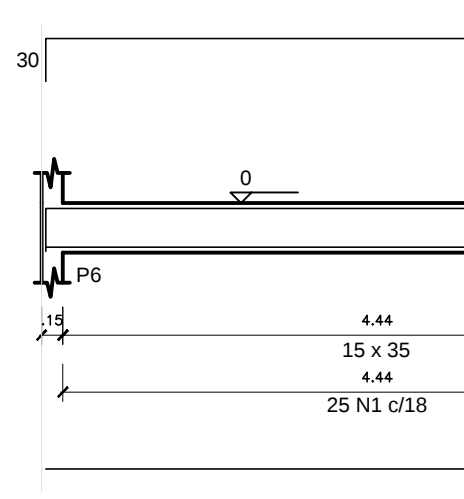
V4  
ESC 1:50



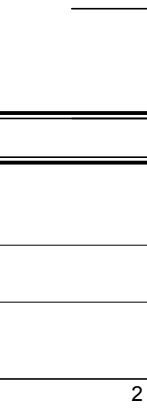
SEÇÃO A-A  
ESC 1:25



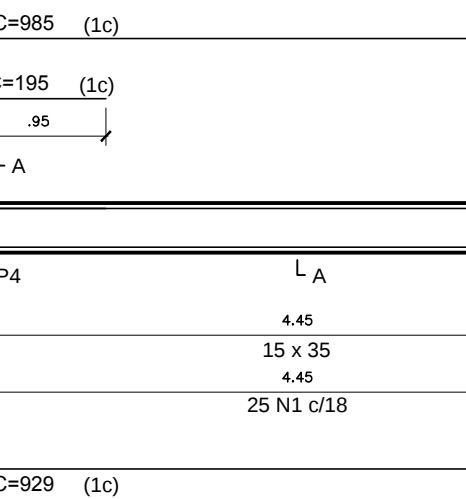
V5  
ESC 1:50



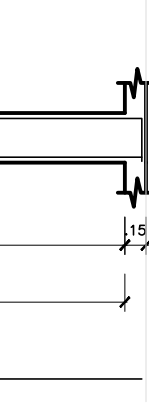
SEÇÃO A-A  
ESC 1:25



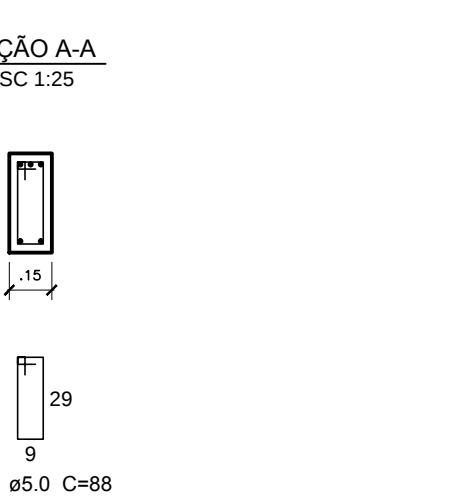
V5  
ESC 1:50



SEÇÃO A-A  
ESC 1:25



V5  
ESC 1:50



SEÇÃO A-A  
ESC 1:25



V5  
ESC 1:50



SEÇÃO A-A  
ESC 1:25



## Relação do aço

| AÇO  | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|------|---|-----------|-------|-------------|--------------|
| CA60 | 1 | 5.0       | 139   | 88          | 12232        |
| CA50 | 2 | 8.0       | 6     | 271         | 1626         |
|      | 3 | 8.0       | 6     | 287         | 1722         |
|      | 4 | 8.0       | 4     | 929         | 3716         |
|      | 5 | 8.0       | 2     | 195         | 390          |
|      | 6 | 8.0       | 4     | 985         | 3940         |

## Resumo do aço

| AÇO             | DIAM (mm) | C.TOTAL (m) | PESO + 10 % (kg) |
|-----------------|-----------|-------------|------------------|
| CA50            | 8.0       | 114         | 49.5             |
| CA60            | 5.0       | 122.4       | 20.7             |
| PESO TOTAL (kg) |           |             |                  |
| CA50            |           | 49.5        |                  |
| CA60            |           | 20.7        |                  |

Volume de concreto (C-25) = 1.42 m³  
Área de forma = 22.95 m²

## Relação do aço

| AÇO  | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|------|---|-----------|-------|-------------|--------------|
| CA60 | 1 | 5.0       | 139   | 88          | 12232        |
| CA50 | 2 | 8.0       | 6     | 271         | 1626         |
|      | 3 | 8.0       | 6     | 315         | 1890         |
|      | 4 | 8.0       | 2     | 244         | 488          |
|      | 5 | 8.0       | 2     | 246         | 492          |
|      | 6 | 8.0       | 6     | 945         | 5670         |
|      | 7 | 8.0       | 6     | 235         | 1410         |
|      | 8 | 8.0       | 2     | 275         | 550          |
|      | 9 | 8.0       | 4     | 977         | 3908         |

## Resumo do aço

| AÇO             | DIAM (mm) | C.TOTAL (m) | PESO + 10 % (kg) |
|-----------------|-----------|-------------|------------------|
| CA50            | 8.0       | 160.4       | 69.6             |
| CA60            | 5.0       | 122.4       | 20.7             |
| PESO TOTAL (kg) |           |             |                  |
| CA50            |           | 69.6        |                  |
| CA60            |           | 20.7        |                  |

Volume de concreto (C-25) = 1.42 m³  
Área de forma = 22.95 m²



PREFEITURA MUNICIPAL DE VARGEM ALTA  
ESTADO DO ESPÍRITO SANTO

TÍTULO

QUADRA DE CONCÓRDIA

PROJETO

PROJETO ESTRUTURAL DOS VESTIÁRIOS

ESCALA

INDICADA

DATA

ABRIL / 2017

DESENHO

IAN BISMARCK

PRANCHA

01 / 01

PREFEITO MUNICIPAL

JOÃO CHRISÓSTOMO ALTOÉ

RESP. TÉCNICO

GERALDO BRUNORO ESTEVES

0000-00000000