

DETALHES - MURO ALA

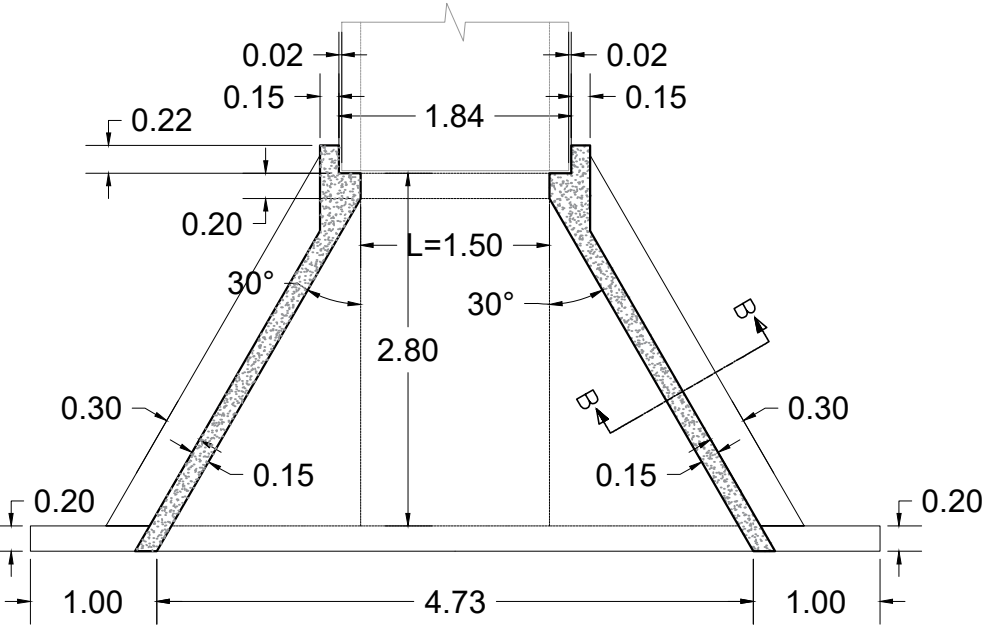
ESC. 1/60

MURO ALA

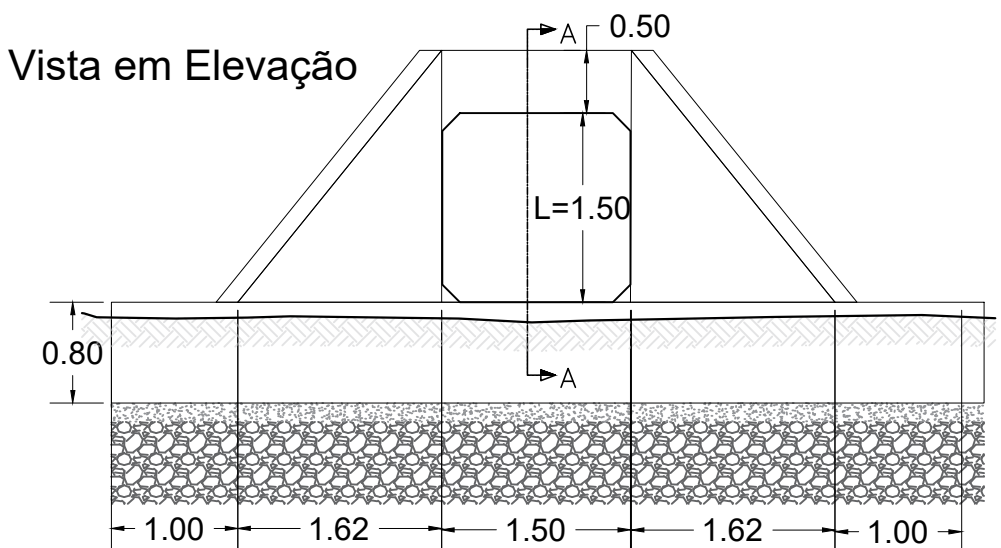
Aduela de 1.5 m x 1.5 m

Ponto 23 - Início  
Ponto 24 - Início e Fim  
Ponto 25 - Início

Vista em Planta

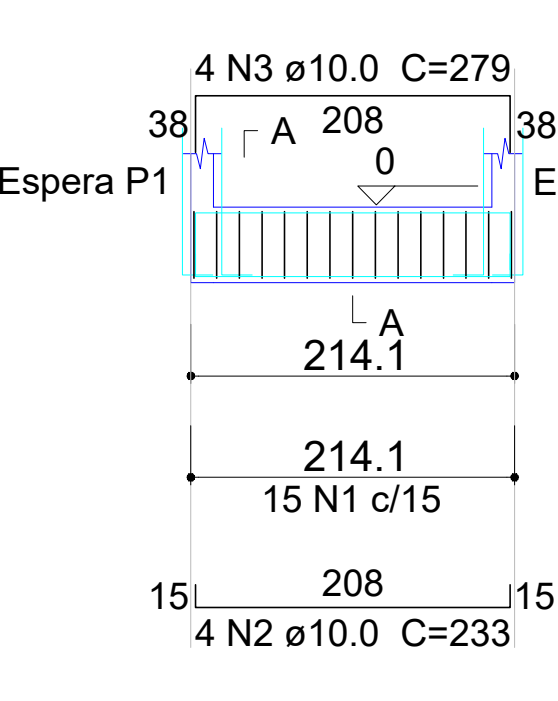


Vista em Elevação

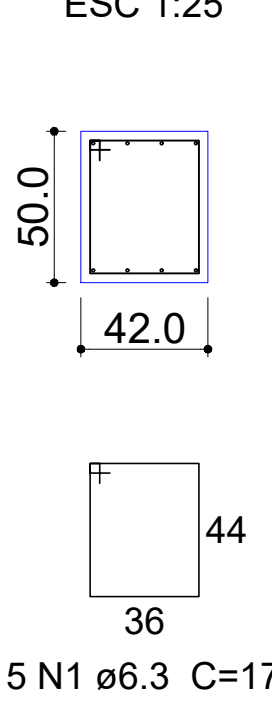


BASE - ARMAÇÃO DAS VIGAS

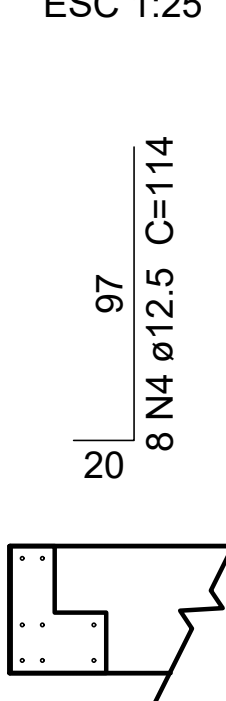
VTB1  
ESC 1:50



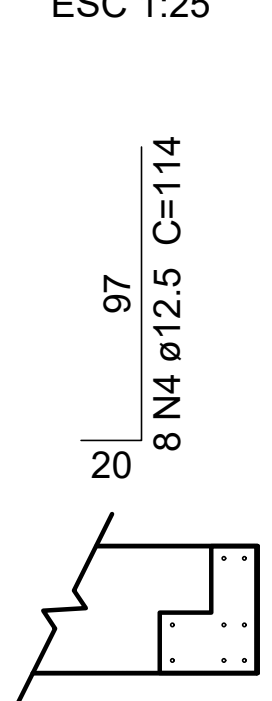
SEÇÃO A-A  
ESC 1:25



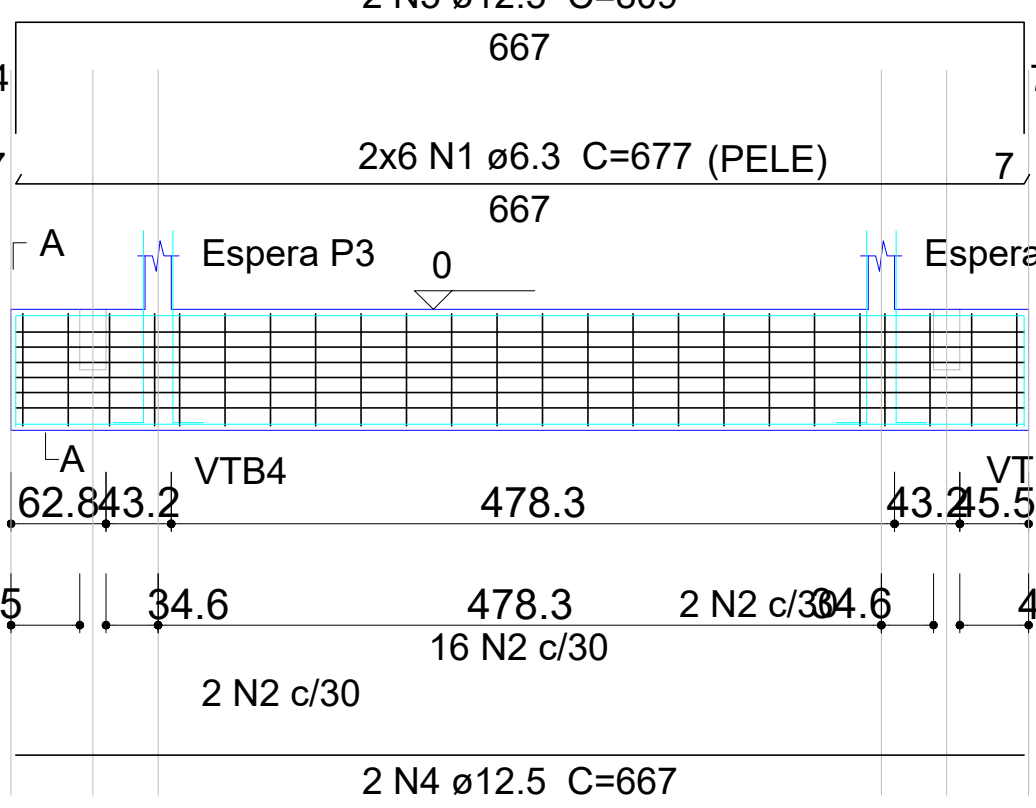
ESPERA P1  
ESC 1:25



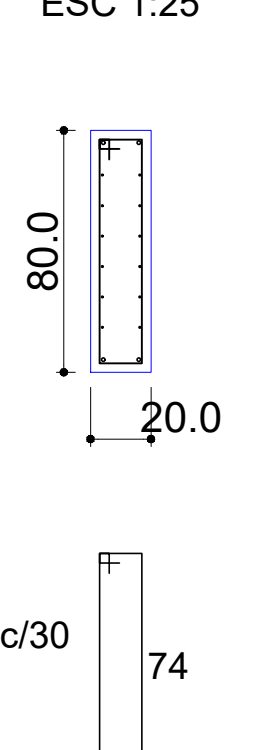
ESPERA P2  
ESC 1:25



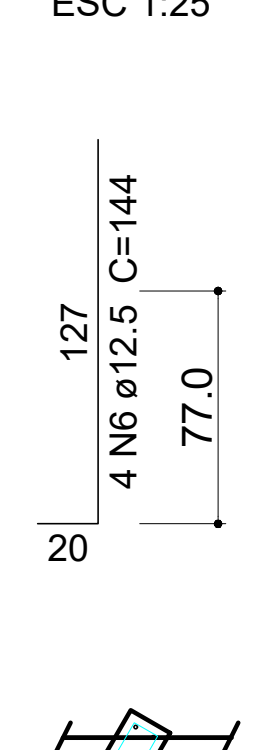
VTB2  
ESC 1:50



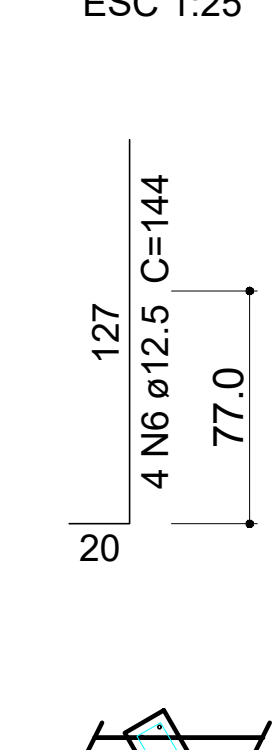
SEÇÃO A-A  
ESC 1:25



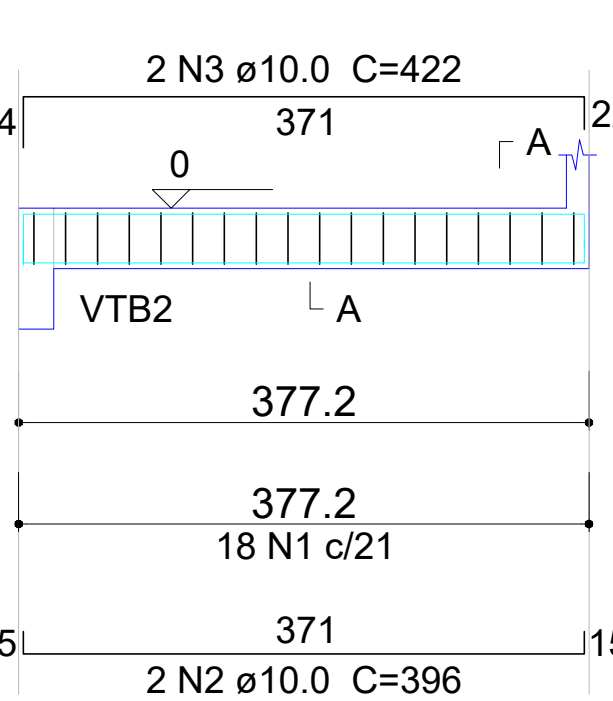
ESPERA P3  
ESC 1:25



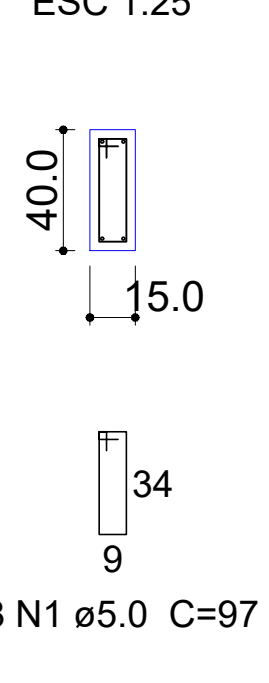
ESPERA P4  
ESC 1:25



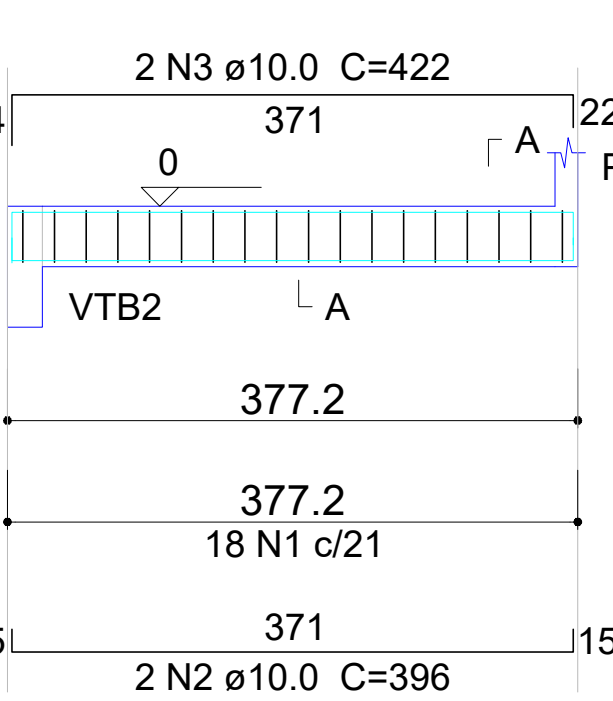
VTB3  
ESC 1:50



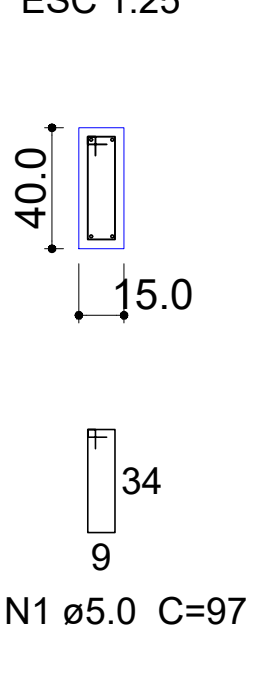
SEÇÃO A-A  
ESC 1:25



VTB4  
ESC 1:50



SEÇÃO A-A  
ESC 1:25

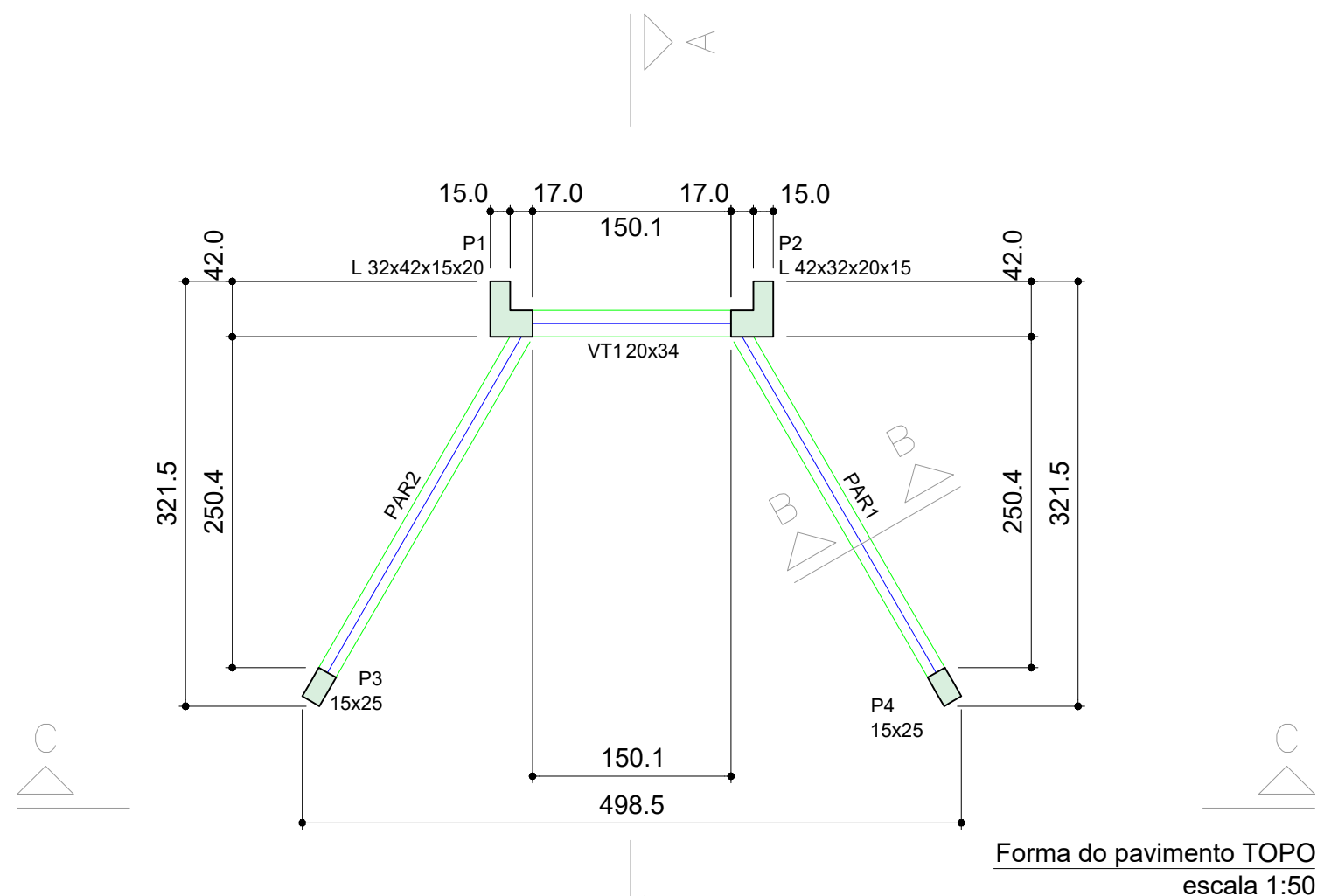


Resumo do aço

| AÇO             | DIAM (mm) | C.TOTAL (m) | QUANT (Barras) | UNIT | PESO (kg) |
|-----------------|-----------|-------------|----------------|------|-----------|
| CA50            | 6.3       | 160.4       | 14             | 12 m | 39.2      |
| CA50            | 10.0      | 53.2        | 5              | 12 m | 32.8      |
| CA50            | 12.5      | 59.3        | 5              | 12 m | 57.1      |
| CA60            | 5.0       | 35          | 3              | 12 m | 5.4       |
| PESO TOTAL (kg) |           |             |                |      |           |
| CA50            |           | 129.1       |                |      |           |
| CA60            |           | 5.4         |                |      |           |

Volume de concreto (C-25) = 2.03 m³  
Peso total = 5065.52 kg  
Área de forma = 19.39 m²

TOPO - FORMAS E CORTES



| Vigas |            |               |            |
|-------|------------|---------------|------------|
| Nome  | Seção (cm) | Elevação (cm) | Nível (cm) |
| VT1   | 20x34      | 0             | 205        |

| Características dos materiais |                 |  |  |
|-------------------------------|-----------------|--|--|
| fck (kgf/cm²)                 | Abatimento (cm) |  |  |
| 250                           | 12.00           |  |  |

Dimensão máxima do agregado = 30 mm

| Legenda dos pilares |                 |
|---------------------|-----------------|
|                     | Pilar que morre |

| Pilares |               |               |            |
|---------|---------------|---------------|------------|
| Nome    | Seção (cm)    | Elevação (cm) | Nível (cm) |
| P1      | L 32x42x15x20 | 0             | 205        |
| P2      | L 42x32x20x15 | 0             | 205        |
| P3      | 15x25         | 0             | 205        |
| P4      | 15x25         | 0             | 205        |

TOPO - ARMAÇÃO DOS PILARES

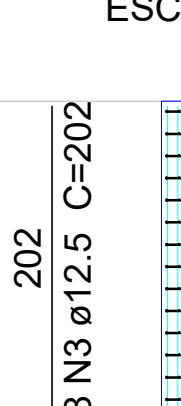
P1



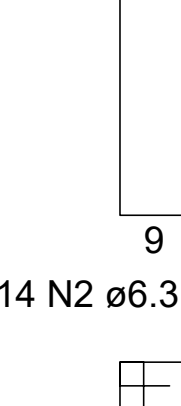
VISTA H  
ESC 1:50



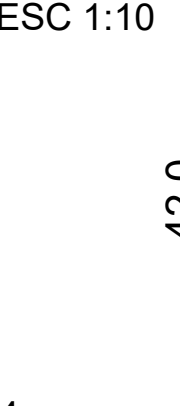
VISTA B  
ESC 1:50



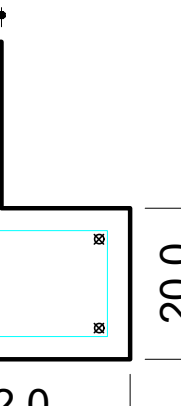
SEÇÃO  
ESC 1:10



VISTA H



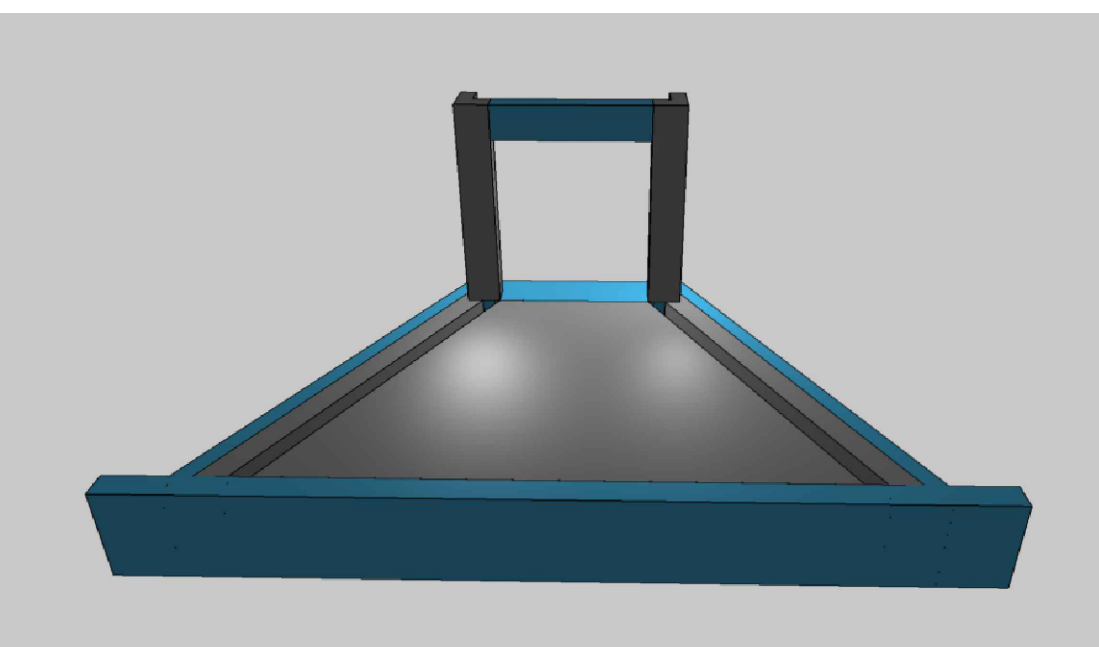
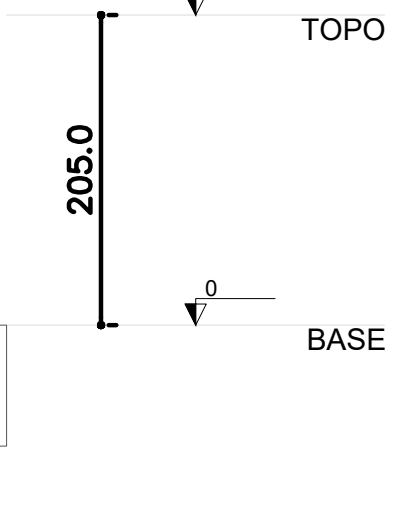
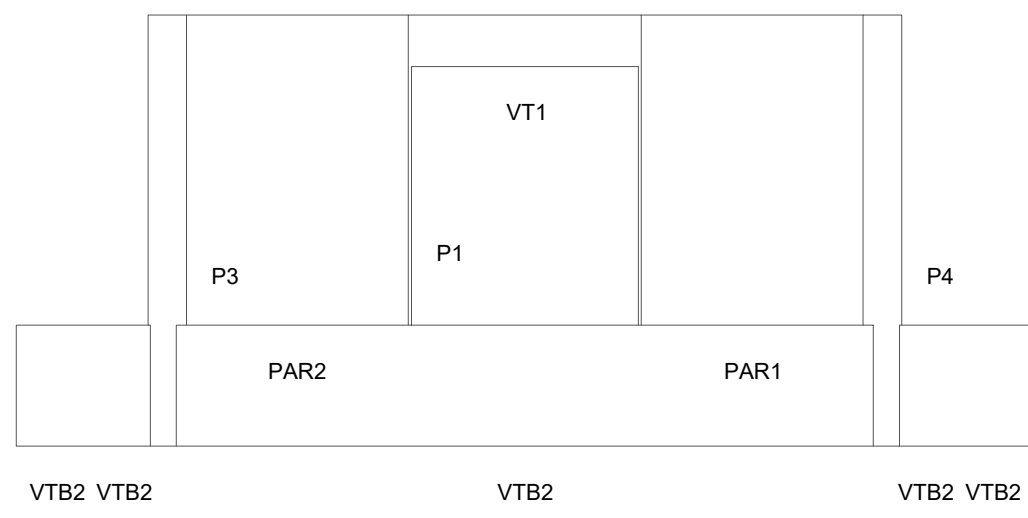
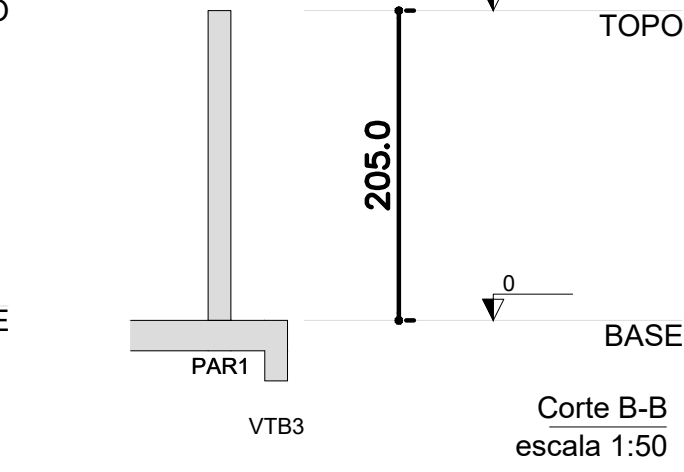
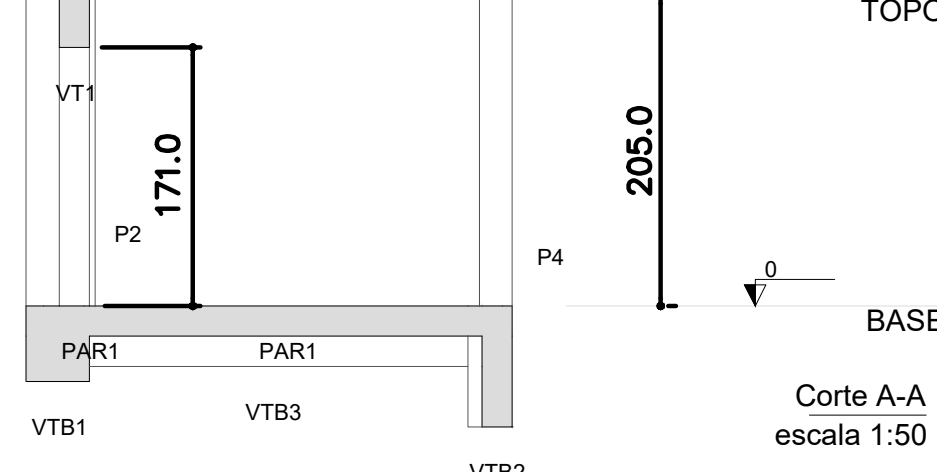
VISTA B



Resumo do aço

| AÇO             | DIAM (mm) | C.TOTAL (m) | QUANT (Barras) | UNIT | PESO (kg) |
|-----------------|-----------|-------------|----------------|------|-----------|
| CA50            | 6.3       | 54.4        | 5              | 12 m | 13.3      |
| CA50            | 12.5      | 32.4        | 3              | 12 m | 31.1      |
| PESO TOTAL (kg) |           |             |                |      |           |
| CA50            |           | 44.4        |                |      |           |

Volume de concreto (C-25) = 0.4 m³  
Peso total = 994.25 kg  
Área de forma = 6.07 m²



NOTAS:

- 1 - Medidas em cm.
- 2 - Concreto 25MPa.
- 3 - Usar espaçador.
- 4 - Usar vibrador.
- 5 - Compactar o solo para apoiar as caixas.
- 6 - Fazer base de brita de 20cm para apoio das caixas.
- 7 - Medir as ferragens na obra, antes do corte.
- 8 - Obedecer cobertura mínima de 3cm.
- 9 - Colocar as barras de reforço nas aberturas.
- 10 - As lajes são dimensionadas para qo apoio da chaminé.
- 11 - As sobrecargas de cálculo das lajes estão dispostas na tabela.
- 12 - As aberturas estão 2cm maiores que o desenho das aduelas, entretanto, deve-se medir as dimensões externas das peças antes de concretar as caixas.
- 13 - Lacrar as aduelas e tubos com alvenaria utilizando massa de cimento e areia 3:1 ou concreto.



|                   |                      |
|-------------------|----------------------|
| ELABORAÇÃO:       | VALLENGUE ENGENHARIA |
| DES:              |                      |
| RESP.TEC. PROJETO | JOÃO PAULO ROLIM     |
| RESP. TEC. OBRA   |                      |
| VERIF:            |                      |

|                 |                                                      |          |                                      |
|-----------------|------------------------------------------------------|----------|--------------------------------------|
| EMPREENDIMENTO: | PREFEITURA DE QUELUZ                                 | Nº       | 22                                   |
| OBJETO:         | PROJETO EXECUTIVO DE ESTRUTURA                       |          |                                      |
| ASSUNTO:        | PROJETO ESTRUTURAL - MURO ALA - ADUELA 1,50m x 1,50m |          |                                      |
| PROJETO         | PONTO 23 / PONTO 24 / PONTO 25                       | FOLHA    | 22/34                                |
| ESCALA:         | INDICADA                                             | ARQUIVO: | VLG2754a-PE-PLT-EST-QUELUZ-REV01.dwg |
|                 |                                                      | REVISÃO  | R01                                  |