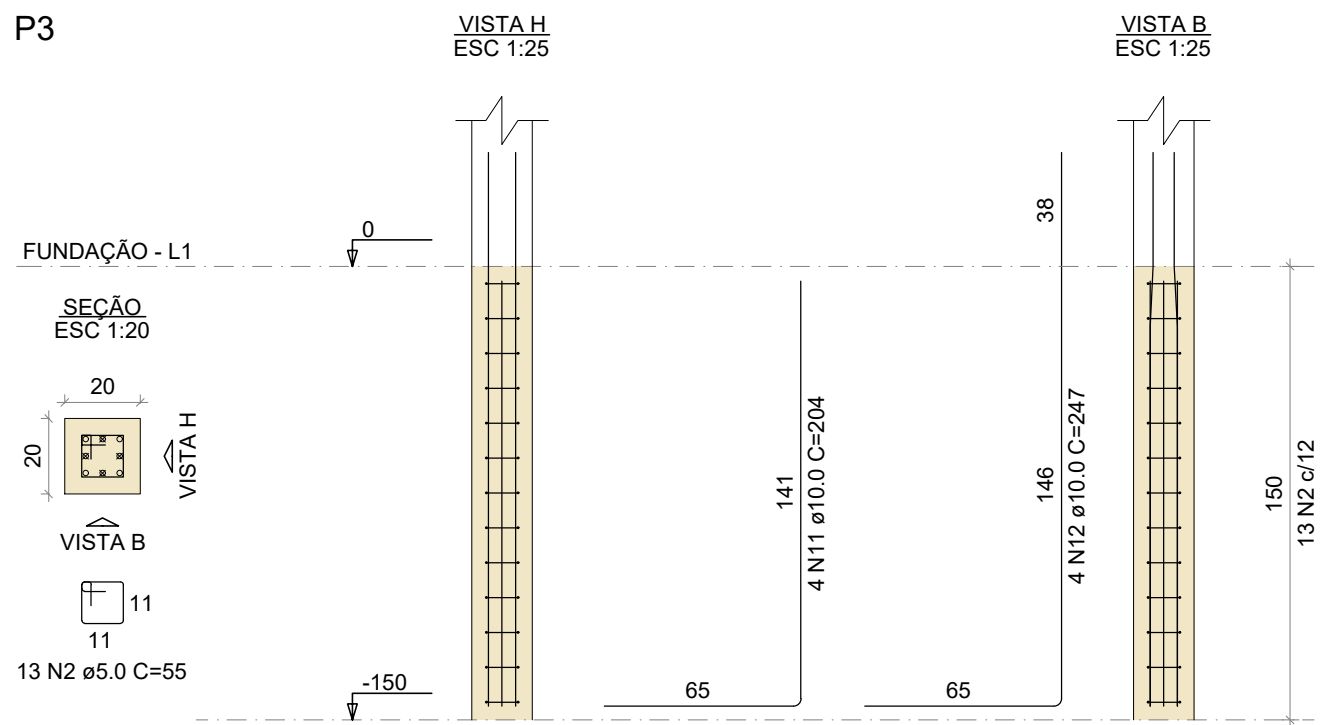
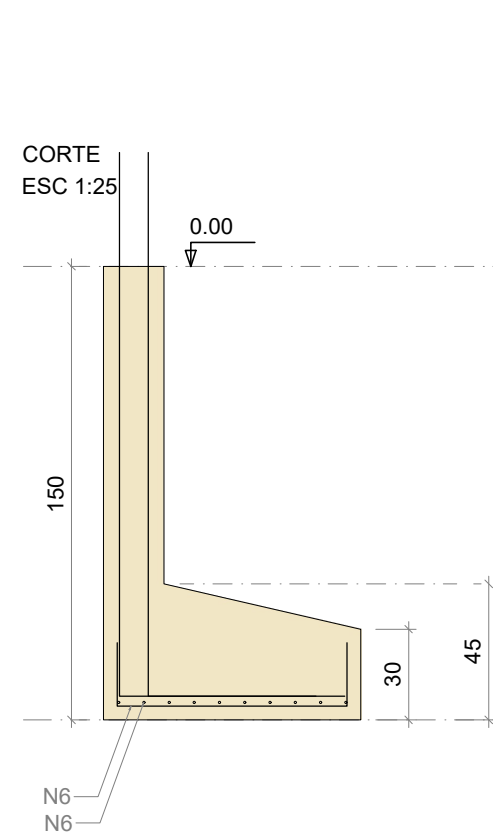
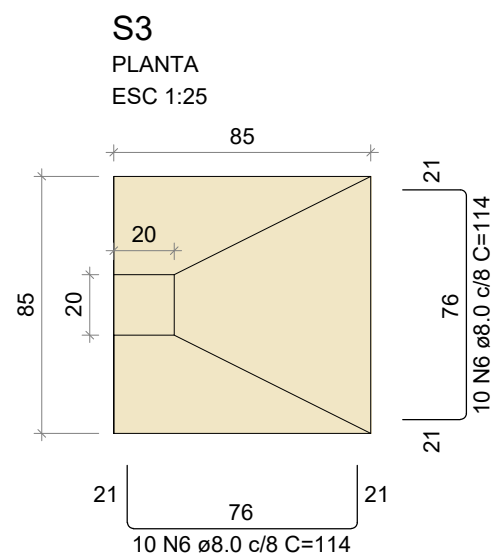
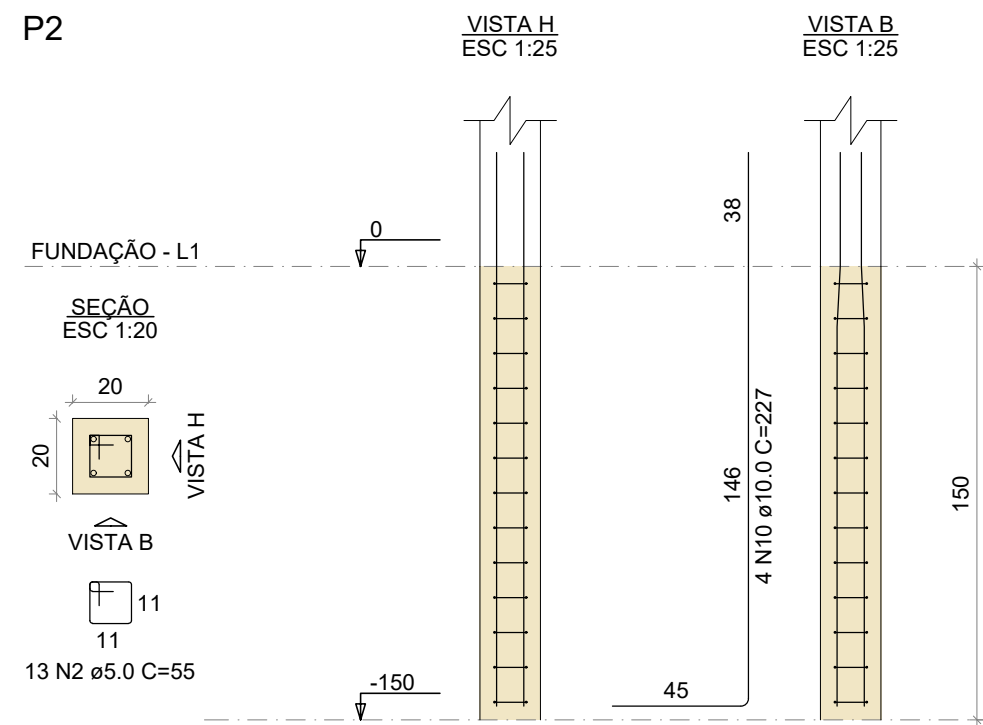
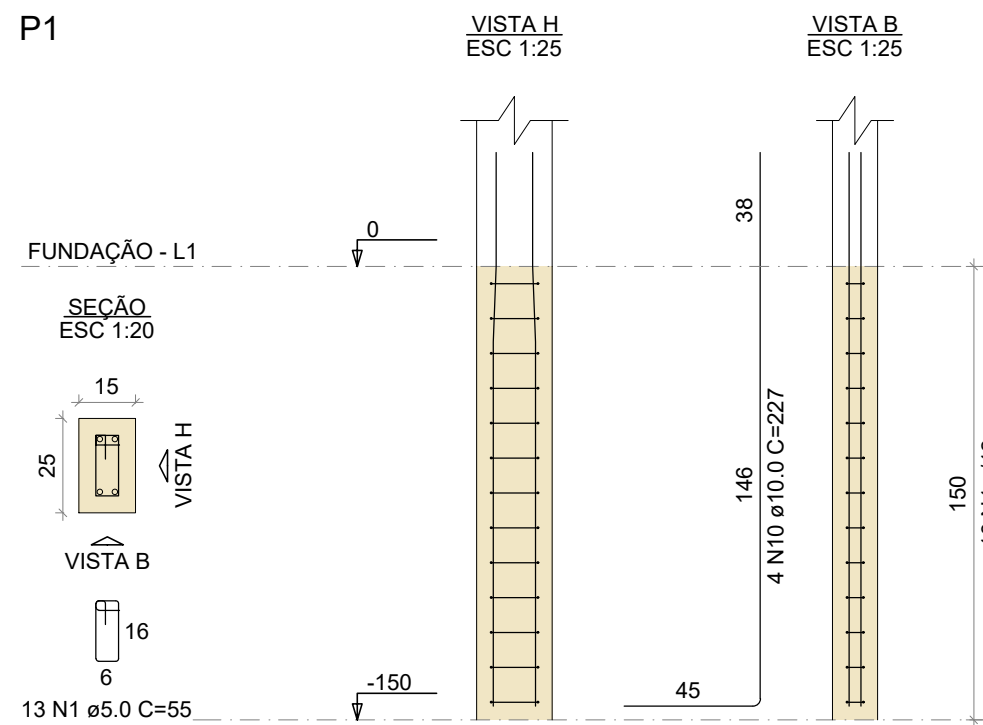
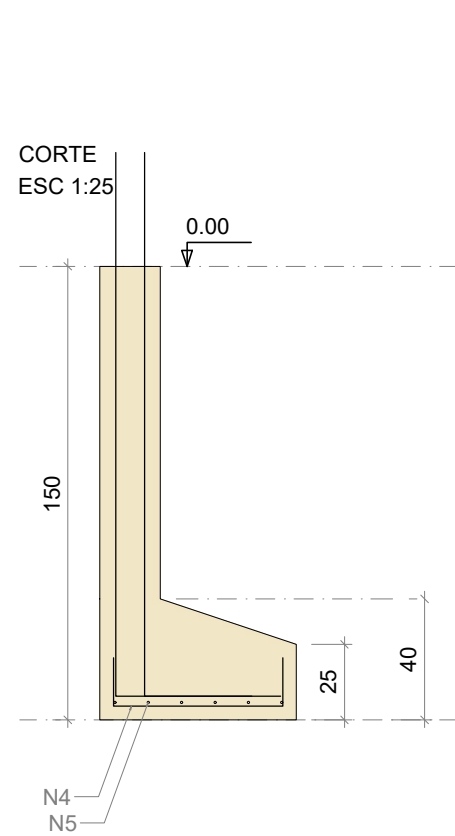
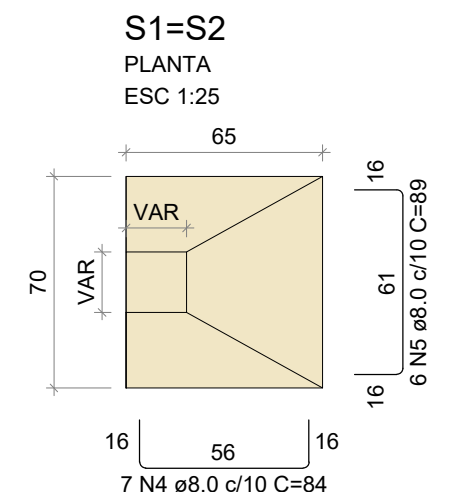




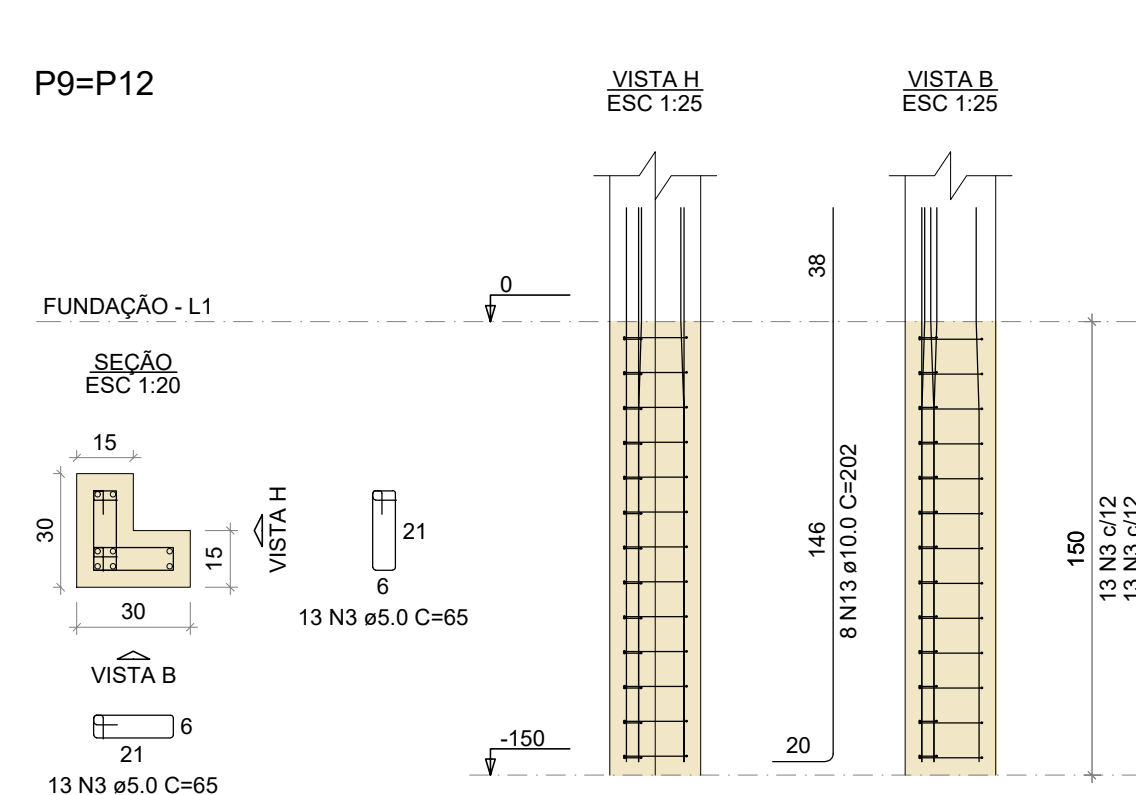
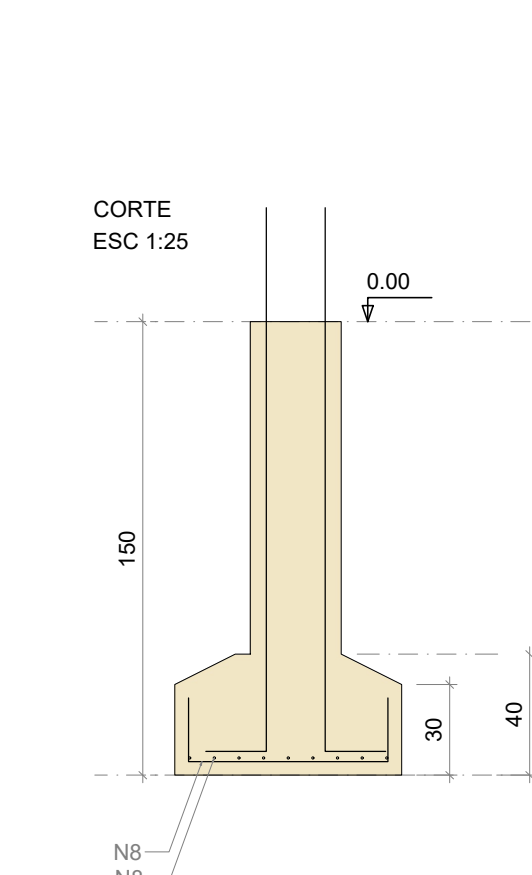
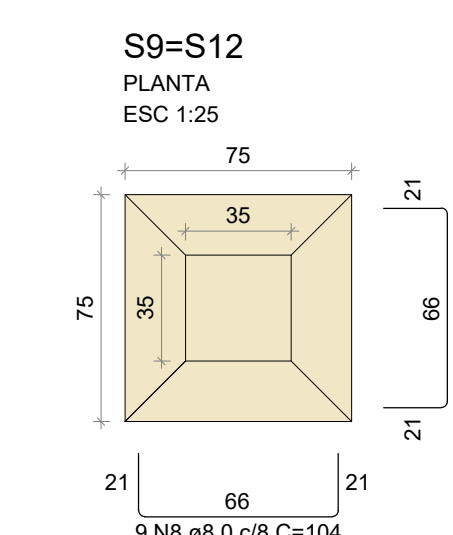
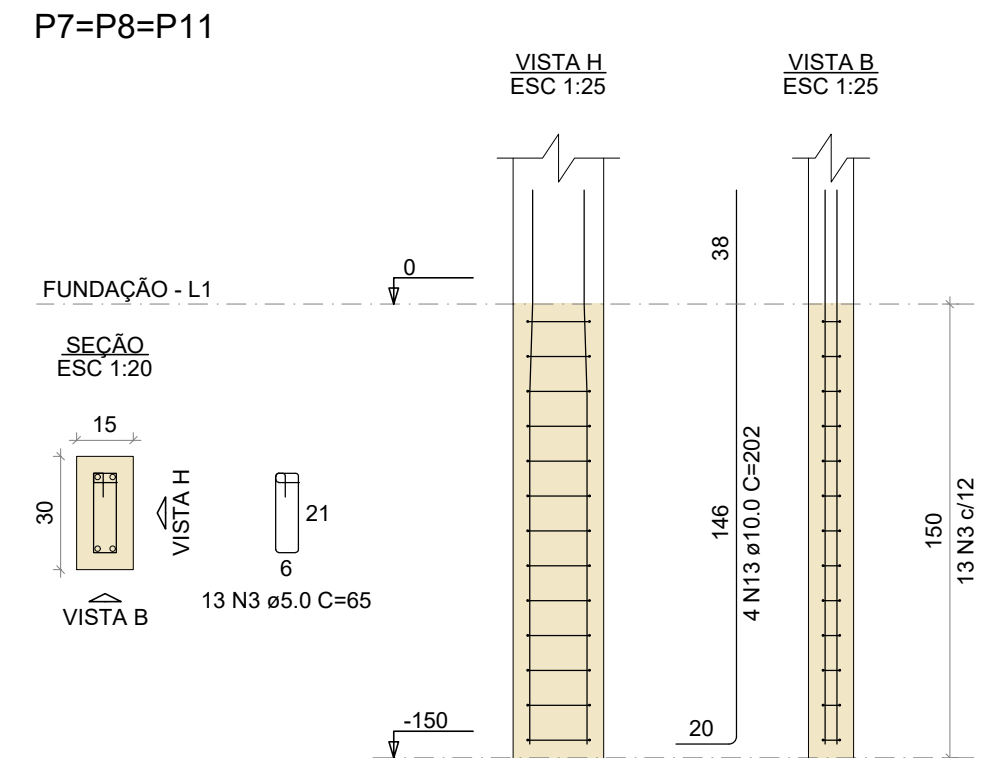
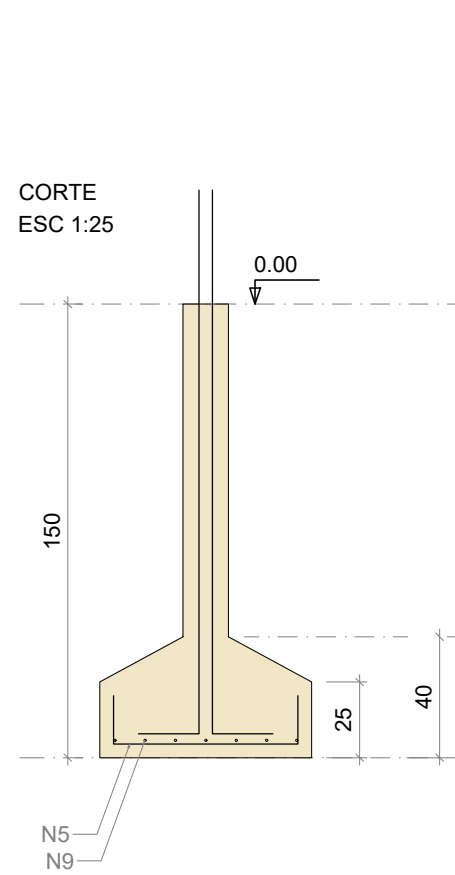
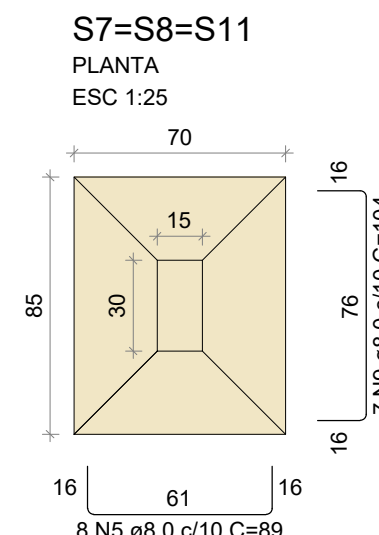
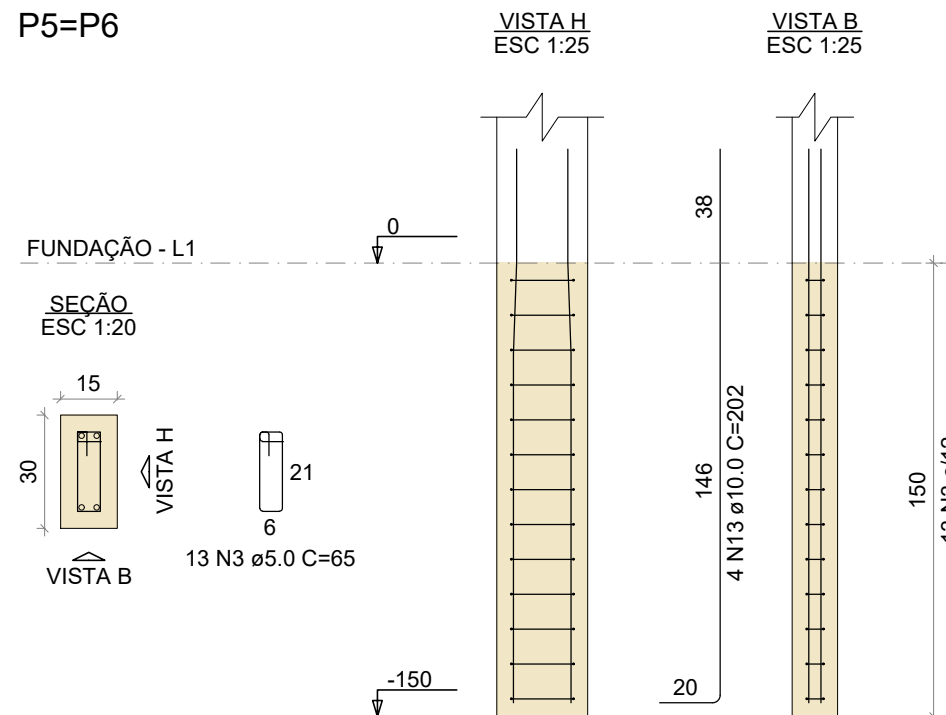
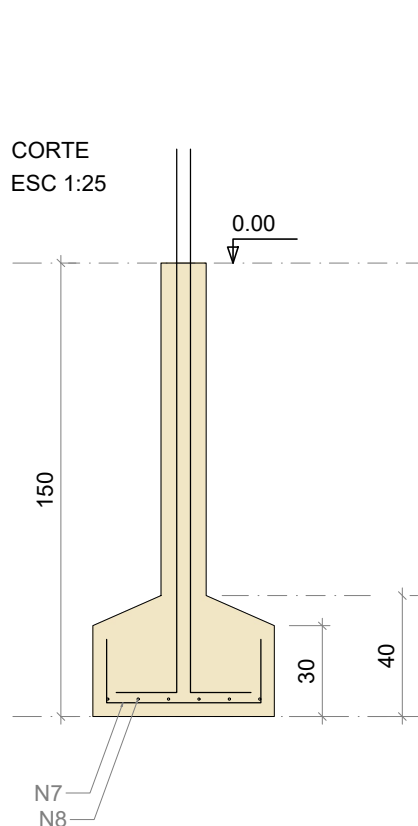
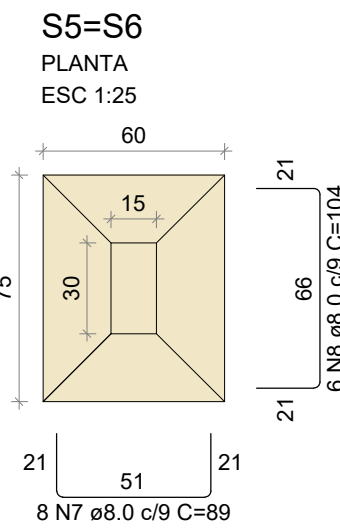
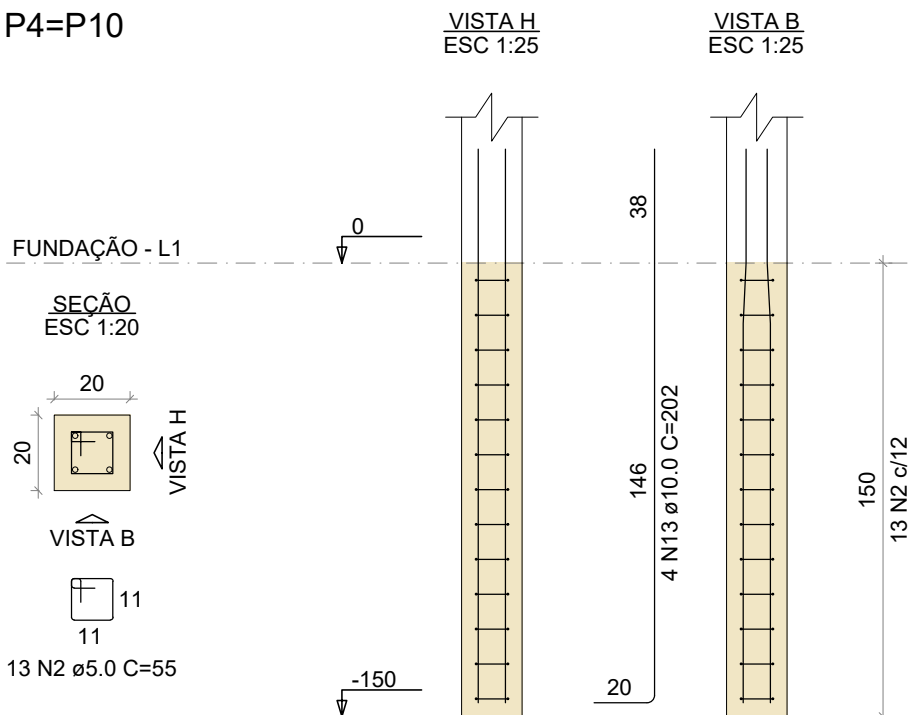
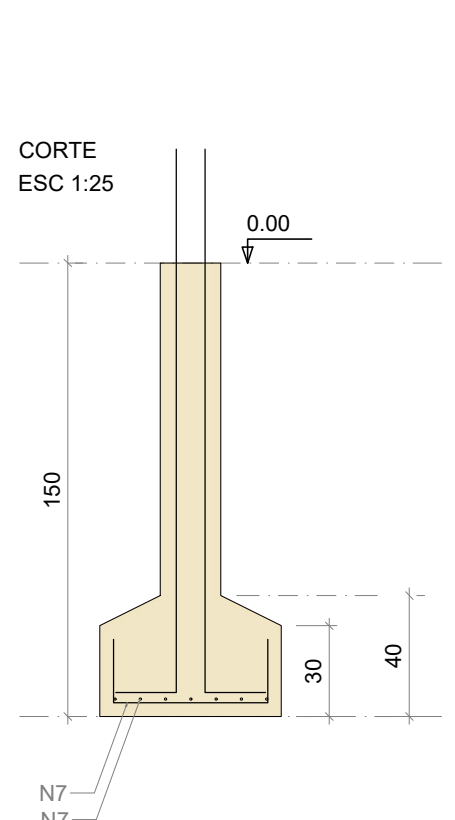
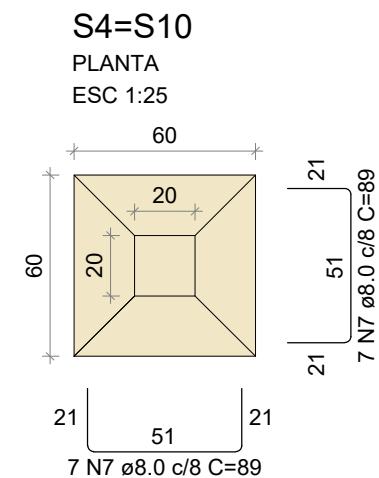
RELAÇÃO DO AÇO

| AÇO  | N  | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|------|----|-----------|-------|-------------|--------------|
| CA60 | 1  | 5.0       | 13    | 55          | 715          |
|      | 2  | 5.0       | 52    | 55          | 2860         |
|      | 3  | 5.0       | 117   | 65          | 7605         |
| CA50 | 4  | 8.0       | 14    | 84          | 1176         |
|      | 5  | 8.0       | 36    | 89          | 3204         |
|      | 6  | 8.0       | 20    | 114         | 2280         |
|      | 7  | 8.0       | 44    | 89          | 3916         |
|      | 8  | 8.0       | 48    | 104         | 4992         |
|      | 9  | 8.0       | 21    | 104         | 2184         |
|      | 10 | 10.0      | 8     | 227         | 1816         |
|      | 11 | 10.0      | 4     | 204         | 816          |
|      | 12 | 10.0      | 4     | 247         | 988          |
|      | 13 | 10.0      | 44    | 202         | 8888         |

RESUMO DO AÇO

| AÇO             | DIAM (mm) | C.TOTAL (m) | PESO + 10% (kg) |
|-----------------|-----------|-------------|-----------------|
| CA50            | 8.0       | 177.5       | 77.1            |
| CA60            | 10.0      | 125.1       | 84.8            |
|                 | 5.0       | 111.8       | 19              |
| PESO TOTAL (kg) |           |             |                 |
| CA50            | 161.9     |             |                 |
| CA60            | 19        |             |                 |

Volume de concreto (C-25) = 2.92 m³  
Área de forma = 26.24 m²  
OBS:  
Solo com capacidade de suporte > 150.00 kN/m²  
Solo compactado sobre a sapata  
peso específico > 16.00 kN/m³



MUNICÍPIO DE GUAPORÉ

PROJETO: ESCOLA MUNICIPAL DE ENSINO FUNDAMENTAL ZAIDA ZANON

AMPLIAÇÃO BLOCO PEDAGÓGICO E ADMINISTRATIVO

LOCAL: RUA IRMÃO EDUARDO, N° 288, BAIRRO SÃO JOSÉ - GUAPORÉ/RS

PROPRIETÁRIO: MUNICÍPIO DE GUAPORÉ - RS

RESP. TÉCNICO: Eng° Civil: GABRIEL FRANCISCO VIAN - Crea/RS 242589

ASSUNTO: SAPATAS - BLOCO ADMINISTRATIVO

DATA: JUNHO 2021

ESCALA: INDICADA

ÁREA TOTAL: 31,55 m²

Est-12