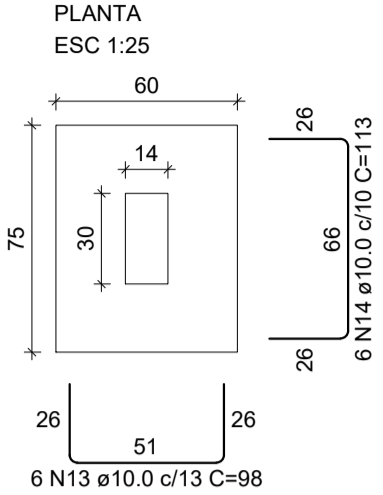
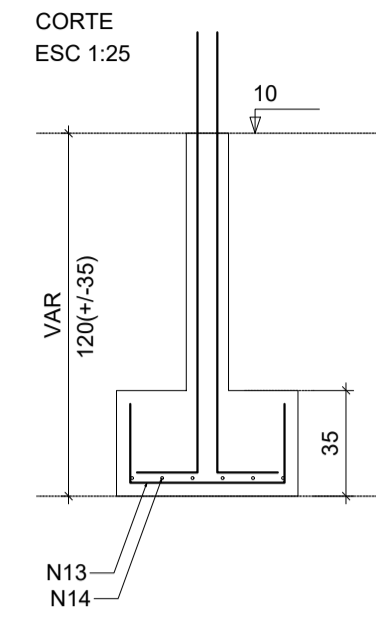


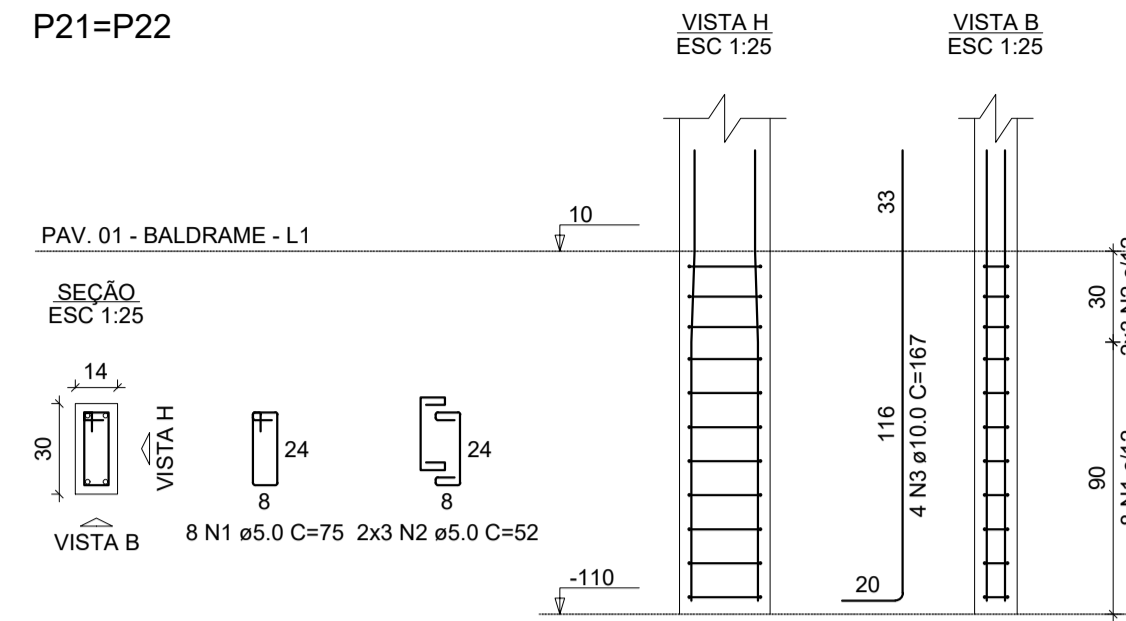
S21=S22=S24



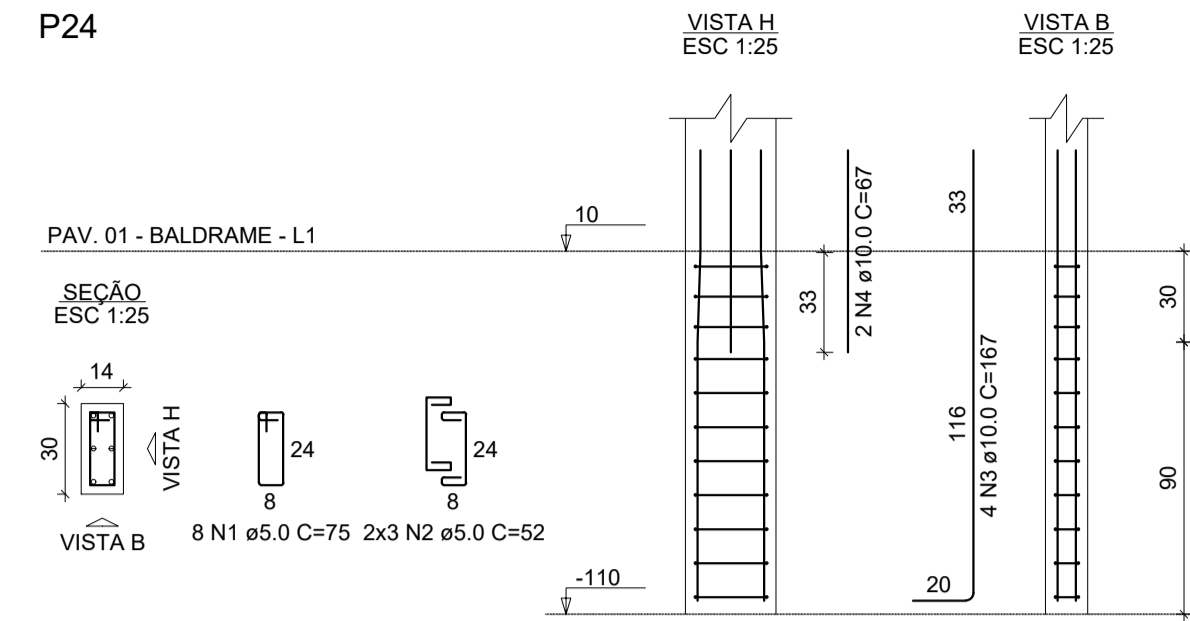
Solo com capacidade de suporte > 1.60 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³



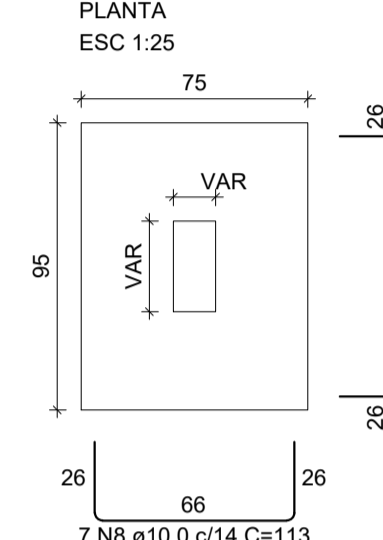
P21=P22



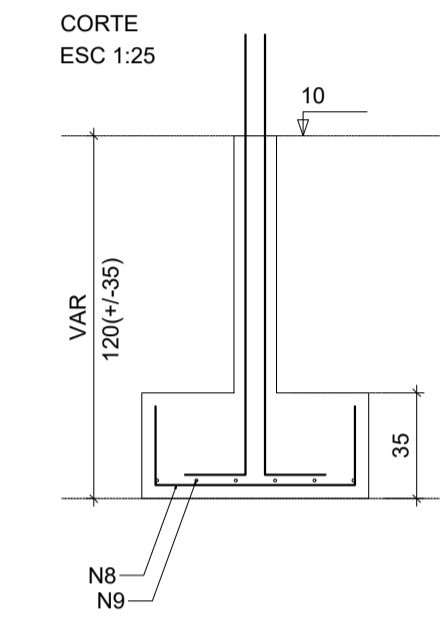
P24



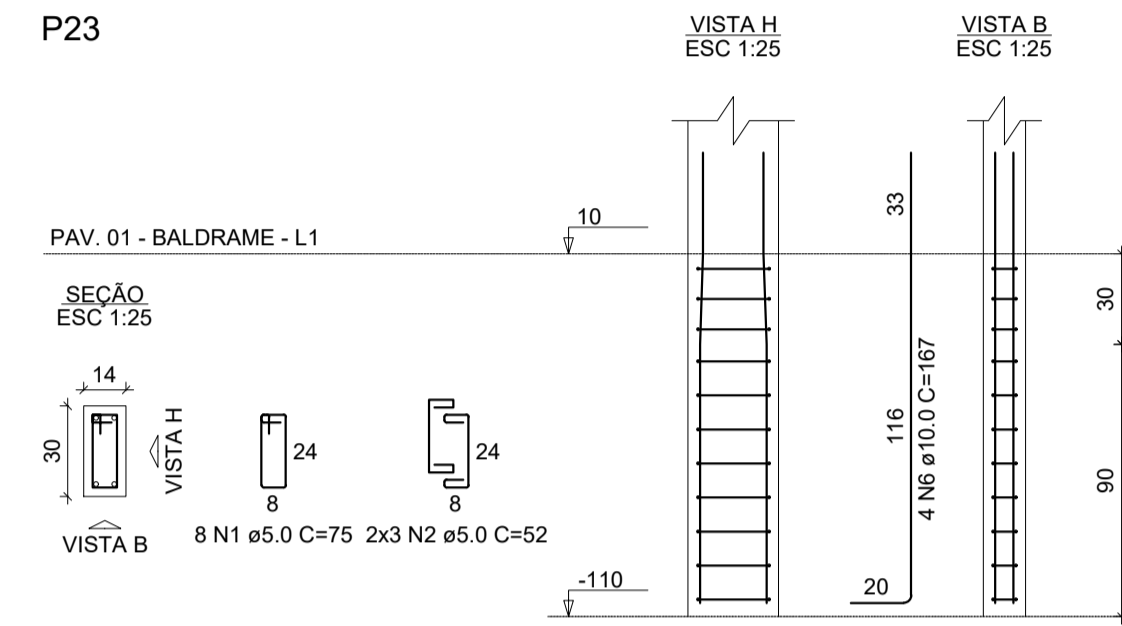
S23=S26=S27



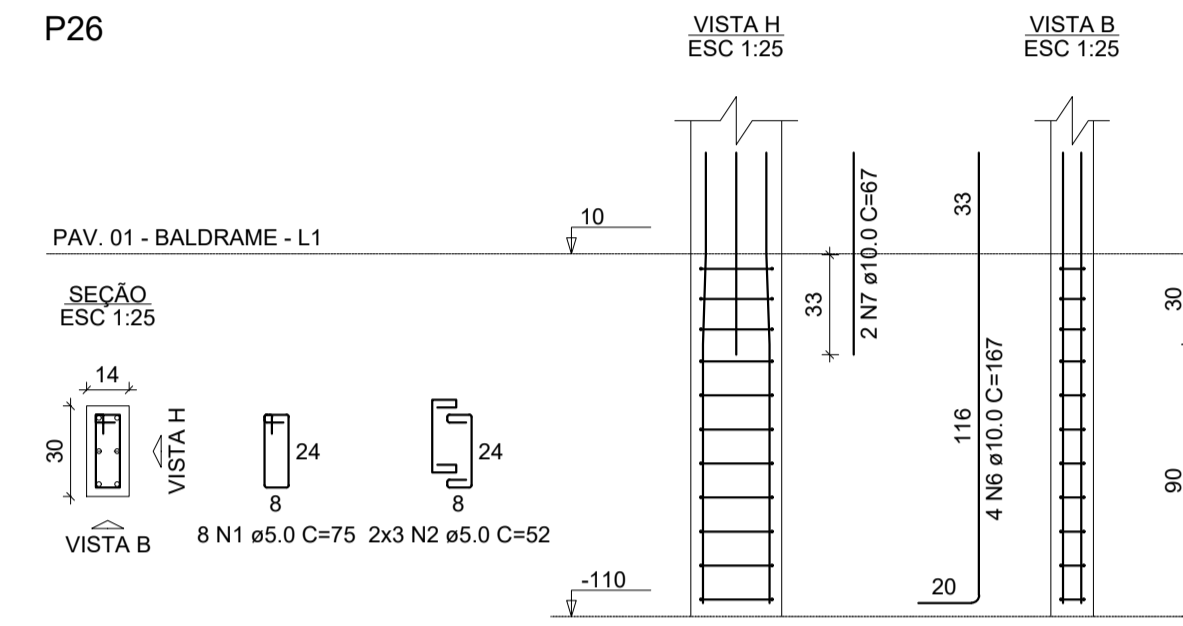
Solo com capacidade de suporte > 1.60 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³



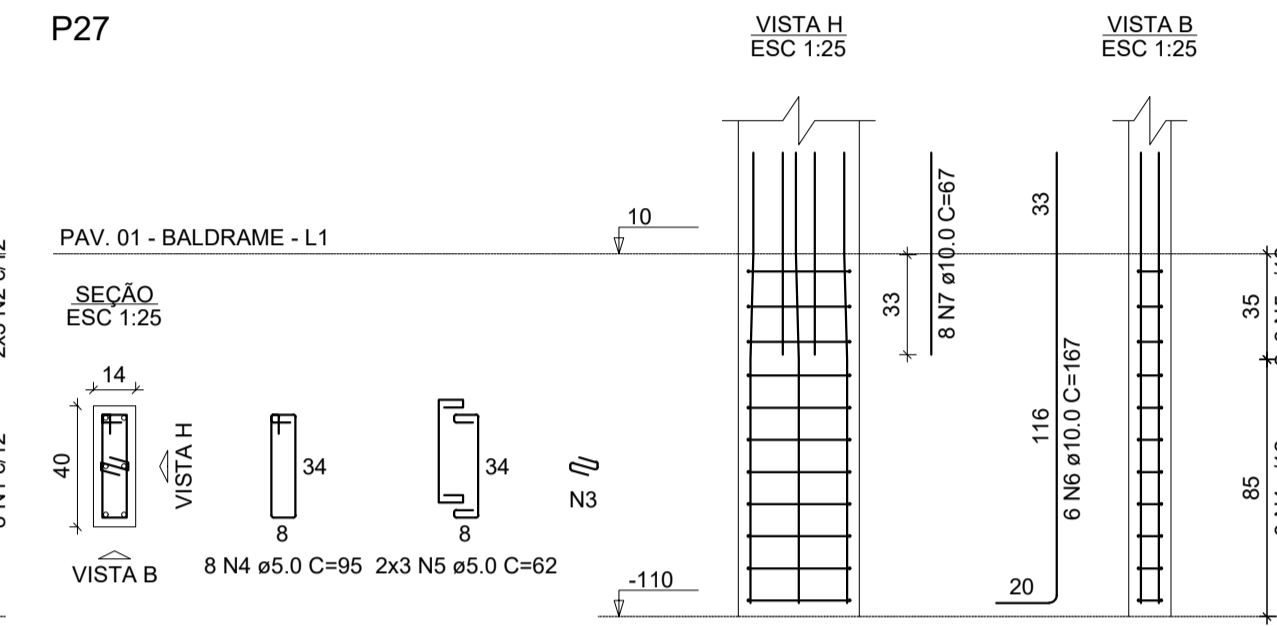
P23



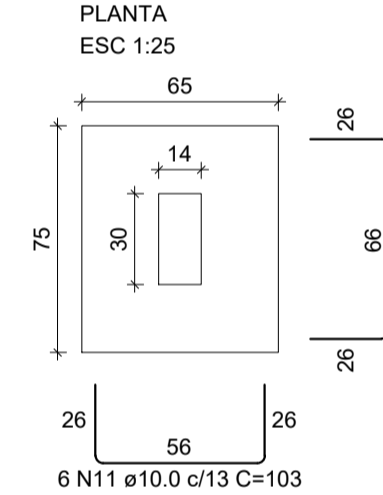
P26



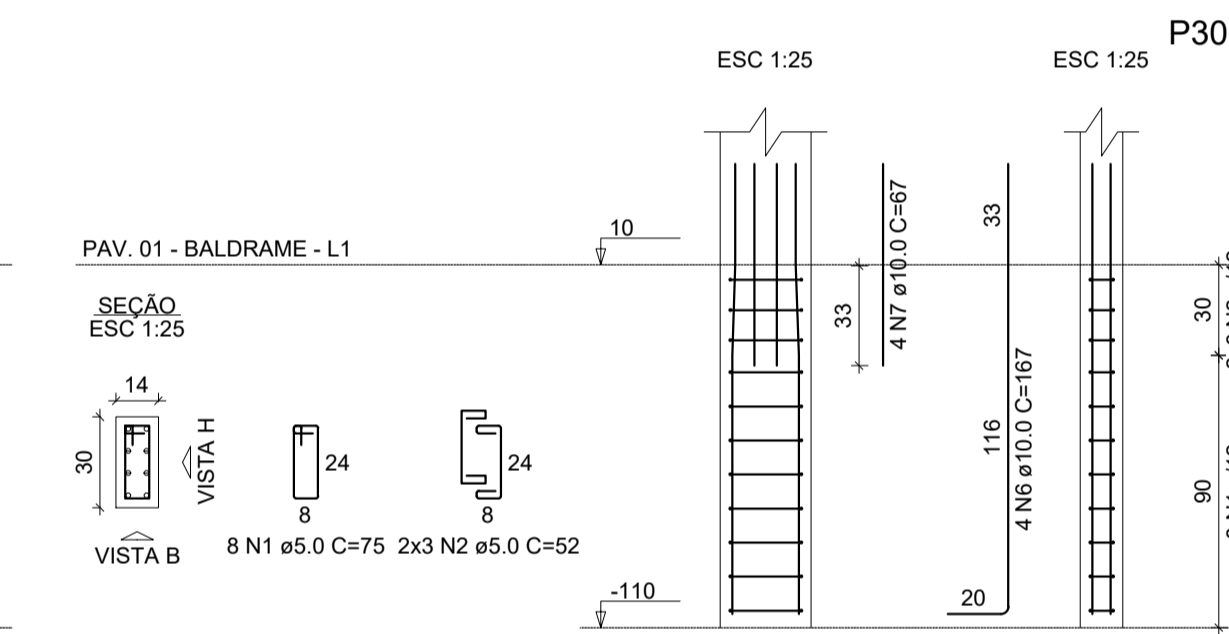
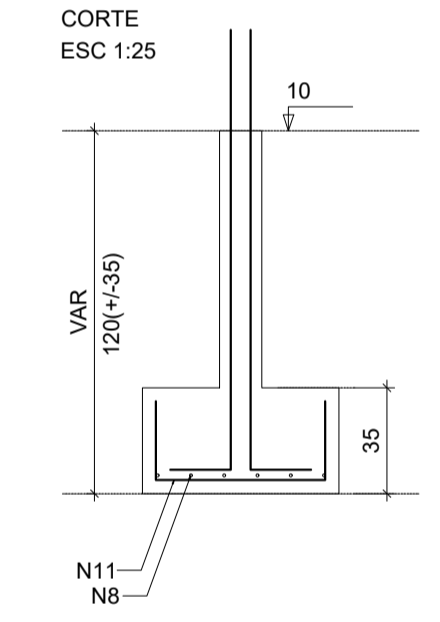
P27



S30



Solo com capacidade de suporte > 1.60 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³



RELAÇÃO DO AÇO

| AÇO | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|------|---|-----------|-------|-------------|--------------|
| CA60 | 1 | 5.0 | 20 | 75 | 1500 |
| | 2 | 5.0 | 12 | 52 | 624 |
| CA50 | 3 | 10.0 | 8 | 197 | 1576 |
| | 4 | 10.0 | 48 | 98 | 4704 |
| | 5 | 10.0 | 12 | 103 | 1236 |
| | 6 | 10.0 | 12 | 123 | 1476 |

RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 10% (kg) |
|-----------------|-----------|-------------|-----------------|
| CA50 | 10.0 | 89.9 | 61 |
| CA60 | 5.0 | 21.2 | 3.6 |
| PESO TOTAL (kg) | | | 61 |
| CA50 | | | 61 |
| CA60 | | | 3.6 |

Volume de concreto (C-30) = 1.15 m³
Área de forma = 7.94 m²

RELAÇÃO DO AÇO

| AÇO | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|------|----|-----------|-------|-------------|--------------|
| CA60 | 1 | 5.0 | 136 | 75 | 10200 |
| | 2 | 5.0 | 102 | 52 | 5304 |
| CA50 | 3 | 10.0 | 64 | 167 | 10688 |
| | 4 | 10.0 | 12 | 67 | 804 |
| | 5 | 10.0 | 4 | 130 | 520 |
| | 6 | 10.0 | 28 | 123 | 3444 |
| | 7 | 10.0 | 24 | 138 | 3312 |
| | 8 | 10.0 | 24 | 98 | 2352 |
| | 9 | 10.0 | 24 | 133 | 3192 |
| | 10 | 10.0 | 21 | 153 | 3213 |
| | 11 | 10.0 | 56 | 128 | 7168 |
| | 12 | 10.0 | 42 | 148 | 6216 |
| | 13 | 10.0 | 18 | 98 | 1764 |
| | 14 | 10.0 | 18 | 113 | 2034 |
| | 15 | 12.5 | 6 | 83 | 498 |

RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 10% (kg) |
|-----------------|-----------|-------------|-----------------|
| CA50 | 10.0 | 447.1 | 303.2 |
| CA60 | 5.0 | 155 | 26.3 |
| PESO TOTAL (kg) | | | 308.5 |
| CA50 | | | 308.5 |
| CA60 | | | 26.3 |

Volume de concreto (C-30) = 6.41 m³
Área de forma = 41.78 m²

RELAÇÃO DO AÇO

| AÇO | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|------|----|-----------|-------|-------------|--------------|
| CA60 | 1 | 5.0 | 24 | 75 | 1800 |
| | 2 | 5.0 | 18 | 52 | 936 |
| | 3 | 5.0 | 11 | 23 | 253 |
| | 4 | 5.0 | 8 | 95 | 760 |
| CA50 | 5 | 5.0 | 6 | 62 | 372 |
| | 6 | 10.0 | 18 | 167 | 3006 |
| | 7 | 10.0 | 14 | 67 | 938 |
| | 8 | 10.0 | 27 | 113 | 3051 |
| | 9 | 10.0 | 18 | 133 | 2394 |
| | 10 | 10.0 | 12 | 108 | 1296 |
| | 11 | 10.0 | 6 | 103 | 618 |

RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 10% (kg) |
|-----------------|-----------|-------------|-----------------|
| CA50 | 10.0 | 113 | 76.7 |
| CA60 | 5.0 | 41.2 | 7 |
| PESO TOTAL (kg) | | | 76.7 |
| CA50 | | | 76.7 |
| CA60 | | | 7 |

Volume de concreto (C-30) = 1.34 m³
Área de forma = 9.91 m²

GeoNorte Projetos e Topografia

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Telefone: (49) 3433-8176

PROJETO:
PROJETO ESTRUTURAL

LOCALIDADES:
MUNICÍPIO: Xavantina ESTADO UF: SC
DATA: 03/2022 ESCALA: Indicada

Conteúdo:
ARMADURA DAS SAPATAS

Folha:
04/11

Prop.: MUNICÍPIO DE XAVANTINA - SC
CNPJ: 83.009.878/0001-15

Resp. Téc.: CARLO ANTUNES DOS SANTOS
ENGENHEIRO CIVIL
CREA-SC 123.879-1