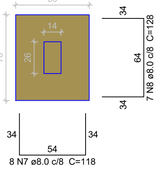
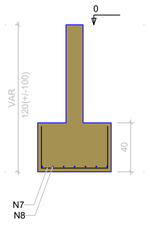
## S2X5

PLANTA
ESC 1:25



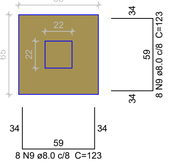

CORTE
ESC 1:25



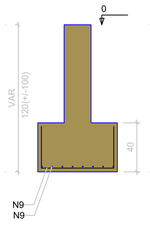

Solo com capacidade de suporte > 2.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

## S6

PLANTA
ESC 1:25

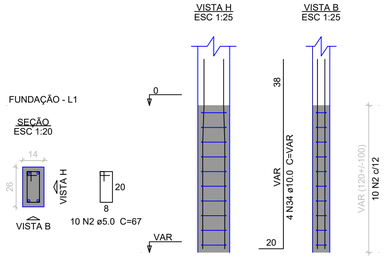



CORTE
ESC 1:25

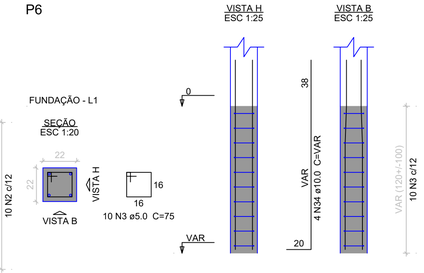



Solo com capacidade de suporte > 2.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

## P2X5

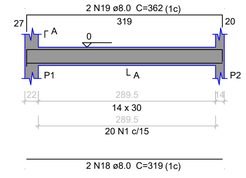



## P6




## VB1

ESC 1:50

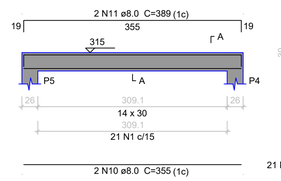



SEÇÃO A-A
ESC 1:25

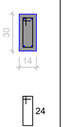



## V7

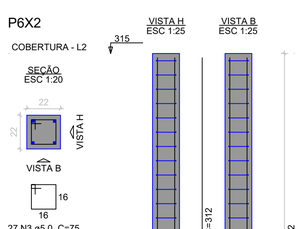
ESC 1:50



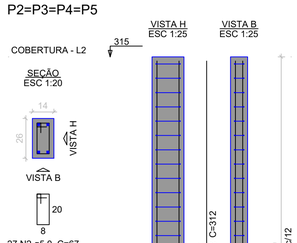

SEÇÃO A-A
ESC 1:25




## P6X2

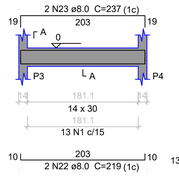



## P2=P3=P4=P5

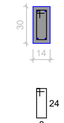



## VB2

ESC 1:50

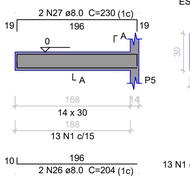



SEÇÃO A-A
ESC 1:25

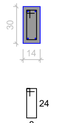



## VB3

ESC 1:50

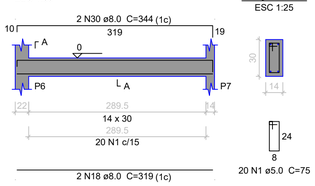



SEÇÃO A-A
ESC 1:25




## VB4

ESC 1:50

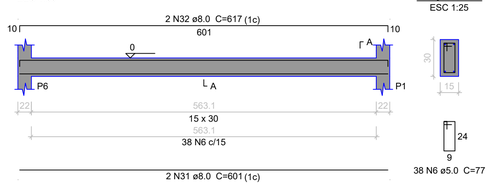



SEÇÃO A-A
ESC 1:25




## VB5

ESC 1:50

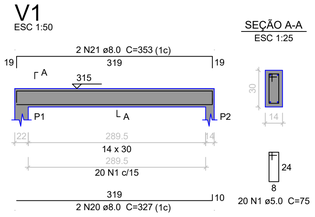



SEÇÃO A-A
ESC 1:25




## V1

ESC 1:50

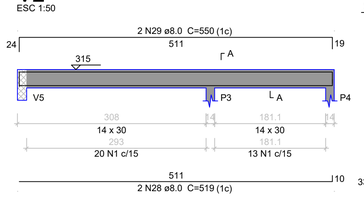



SEÇÃO A-A
ESC 1:25

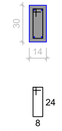



## V2

ESC 1:50

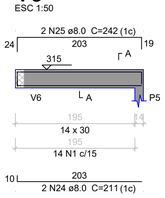



SEÇÃO A-A
ESC 1:25




## V3

ESC 1:50

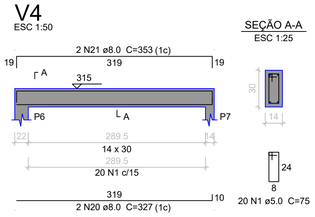



SEÇÃO A-A
ESC 1:25




## V4

ESC 1:50

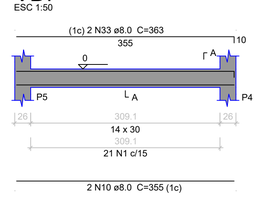



SEÇÃO A-A
ESC 1:25

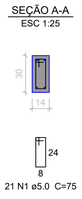



## VB7

ESC 1:50

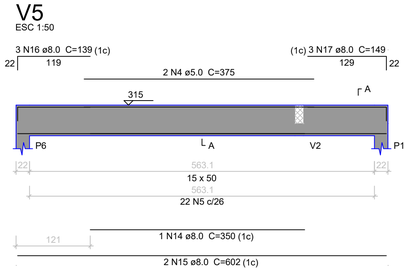



SEÇÃO A-A
ESC 1:25

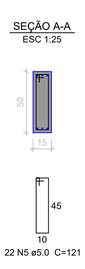



## V5

ESC 1:50

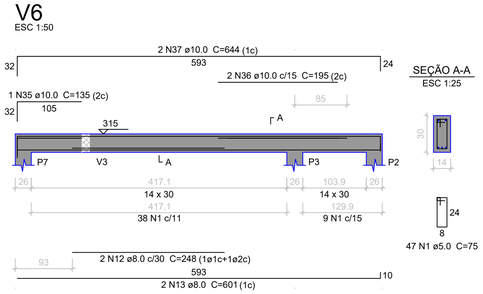



SEÇÃO A-A
ESC 1:25



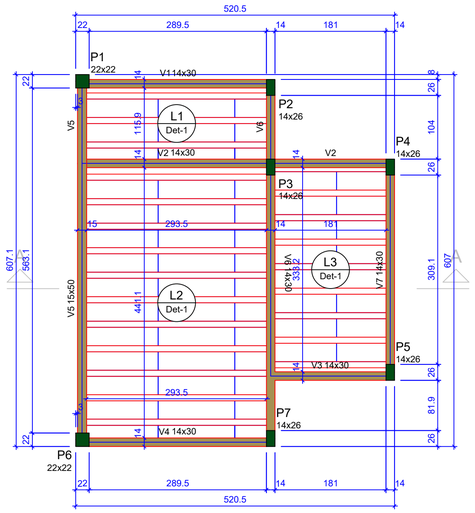

## V6

ESC 1:50




SEÇÃO A-A
ESC 1:25



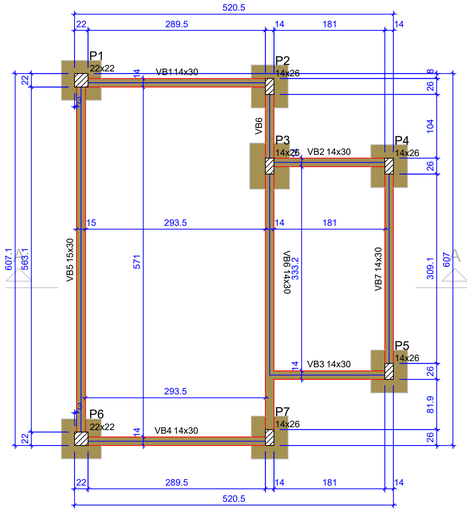

Forma do pavimento cobertura (Nível 315)

escala 1:50

| Vigas | | | |
|---|---|---|---|
| Nome | Seção (cm) | Elevação (cm) | Nível (cm) |
| V1 | 14x30 | 0 | 315 |
| V2 | 14x30 | 0 | 315 |
| V3 | 14x30 | 0 | 315 |
| V4 | 14x30 | 0 | 315 |
| V5 | 15x50 | 0 | 315 |
| V6 | 14x30 | 0 | 315 |
| V7 | 14x30 | 0 | 315 |

| Lajes | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Dados | | | | | Sobrecarga (kgf/m²) | | |
| Nome | Tipo | Altura (cm) | Elevação (cm) | Nível (cm) | Peso próprio (kgf/m²) | Adicional | Acidental | Localizada |
| L1 | Treliçada 1D | 13 | 0 | 315 | 176 | 154 | 10 | - |
| L2 | Treliçada 1D | 13 | 0 | 315 | 176 | 154 | 10 | - |
| L3 | Treliçada 1D | 13 | 0 | 315 | 176 | 182 | 10 | - |

| Blocos de enchimento | | | | | |
|---|---|---|---|---|---|
| Detalhe | Tipo | Nome | Dimensões(cm) | | Quantidade |
| | | | hb | bx / by | |
| 1 | EPS Unidirecional | B8/30/125/7.5 | 8 | 30 / 125 | 58 |




Forma do pavimento Fundação (Nível 0)

escala 1:50

| Legenda dos pilares | |
|---|---|
| | Pilar que passa |

| Legenda das vigas e paredes | |
|---|---|
| | Viga |

## Relação do aço

| | | |
|---|---|---|
| Fundação: | 5xP2 | 2xP6 |
| | 5xS2 | 2xS6 |
| | VB1 | VB2 |
| | VB3 | VB4 |
| | VB5 | VB7 |
| cobertura: | 5xP2 | 2xP6 |
| | V1 | V2 |
| | V3 | V4 |
| | V5 | V6 |
| | V7 | |

| AÇO | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|---|---|---|---|---|---|
| CA60 | 1 | 5.0 | 242 | 75 | 18150 |
| | 2 | 5.0 | 185 | 67 | 12395 |
| | 3 | 5.0 | 74 | 75 | 5550 |
| | 4 | 5.0 | 2 | 375 | 750 |
| | 5 | 5.0 | 22 | 121 | 2662 |
| | 6 | 5.0 | 38 | 77 | 2926 |
| CA50 | 7 | 8.0 | 40 | 118 | 4720 |
| | 8 | 8.0 | 35 | 128 | 4480 |
| | 9 | 8.0 | 32 | 123 | 3936 |
| | 10 | 8.0 | 4 | 355 | 1420 |
| | 11 | 8.0 | 2 | 389 | 778 |
| | 12 | 8.0 | 2 | 248 | 496 |
| | 13 | 8.0 | 2 | 601 | 1202 |
| | 14 | 8.0 | 1 | 350 | 350 |
| | 15 | 8.0 | 2 | 602 | 1204 |
| | 16 | 8.0 | 3 | 139 | 417 |
| | 17 | 8.0 | 3 | 149 | 447 |
| | 18 | 8.0 | 4 | 319 | 1276 |
| | 19 | 8.0 | 2 | 362 | 724 |
| | 20 | 8.0 | 4 | 327 | 1308 |
| | 21 | 8.0 | 4 | 353 | 1412 |
| | 22 | 8.0 | 2 | 219 | 438 |
| | 23 | 8.0 | 2 | 237 | 474 |
| | 24 | 8.0 | 2 | 211 | 422 |
| | 25 | 8.0 | 2 | 242 | 484 |
| | 26 | 8.0 | 2 | 204 | 408 |
| | 27 | 8.0 | 2 | 230 | 460 |
| | 28 | 8.0 | 2 | 519 | 1038 |
| | 29 | 8.0 | 2 | 550 | 1100 |
| | 30 | 8.0 | 2 | 344 | 688 |
| | 31 | 8.0 | 2 | 601 | 1202 |
| | 32 | 8.0 | 2 | 617 | 1234 |
| | 33 | 8.0 | 2 | 363 | 726 |
| | 34 | 10.0 | 28 | VAR | VAR |
| | 35 | 10.0 | 1 | 135 | 135 |
| | 36 | 10.0 | 2 | 195 | 390 |
| | 37 | 10.0 | 2 | 644 | 1288 |
| | 38 | 10.0 | 28 | 312 | 8736 |

## Resumo do aço

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 10 % (kg) |
|---|---|---|---|
| CA50 | 8.0 | 328.5 | 142.6 |
| | 10.0 | 154 | 104.4 |
| CA60 | 5.0 | 424.4 | 71.9 |
| PESO TOTAL (kg) | | | |
| CA50 | 247 | | |
| CA60 | 71.9 | | |

Volume de concreto (C-25) = 4.35 m³
Área de forma = 61.11 m²

**PREFEITURA MUNICIPAL**
PEDRAS DE MARIA DA CRUZ

PROJETO / OBRA:
PROJETO ESTRUTURAL
AMPLIAÇÃO - COZINHA NA ESCOLA MUNICIPAL CONCEIÇÃO ALMEIDA SILVA

DATA: 02/06/2026

ESCALAS: INDICADA

VERSÃO: 01

PRANCHA: A1

ENDEREÇO:
RUA FRANCISCO BRANDÃO, CENTRO, PEDRAS DE MARIA DA CRUZ - MG

CONTEÚDO:
DETALHAMENTO E ARMAÇÕES - PLANTA DE FORMA

ÁREAS:
AREA DE AMPLIAÇÃO 32 M²

PROPOSTA Nº:
-

ART Nº:
-

PREFEITURA MUNICIPAL DE
PEDRAS DE MARIA DA CRUZ
CNPJ: 25.209.156/0001-08

RT: ADRIANA DE SOUZA PIMENTEL
Engenheira Civil: CREA-MG 231.995/D

OBSERVAÇÕES:
-