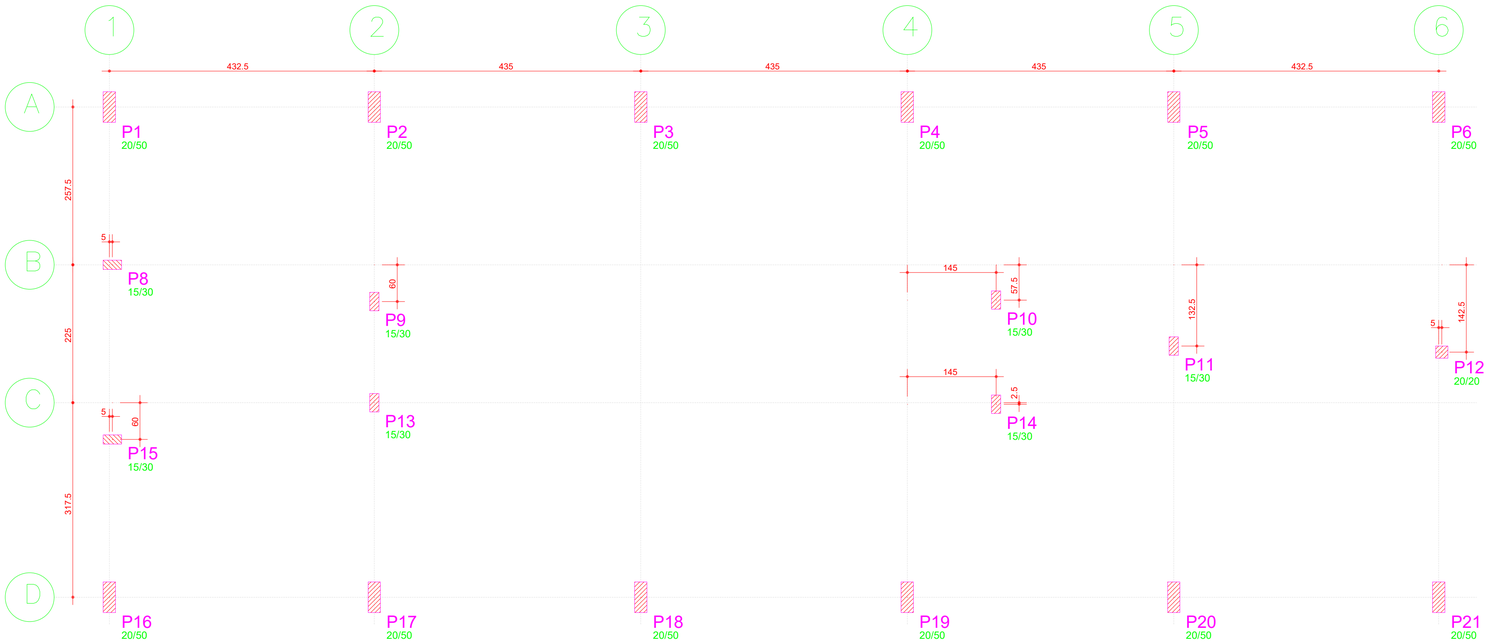


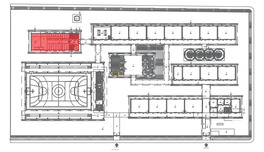

| AÇO | POS | BIT (mm) | QUANT | COMPRIMENTO UNIT (cm) | COMPRIMENTO TOTAL (cm) |
|---|---|---|---|---|---|
| P1=...=P6=P16=...=P21 (X12) | | | | | |
| 50A | 1 | 10 | 72 | -VAR- | 12960 |
| 60B | 2 | 5 | 408 | 128 | 52224 |
| 60B | 3 | 5 | 408 | 27 | 11016 |
| 50A | 4 | 10 | 72 | 297 | 21384 |
| P8=P15 (X2) | | | | | |
| 50A | 1 | 10 | 12 | -VAR- | 2160 |
| 60B | 2 | 5 | 68 | 78 | 5304 |
| 50A | 3 | 10 | 12 | 297 | 3564 |
| P9=P11=P13 (X3) | | | | | |
| 50A | 1 | 12.5 | 18 | -VAR- | 3186 |
| 50A | 2 | 6.3 | 21 | 81 | 1701 |
| P10=P14 (X2) | | | | | |
| 50A | 1 | 20 | 8 | -VAR- | 536 |
| 50A | 2 | 6.3 | 8 | 81 | 648 |
| P12 | | | | | |
| 50A | 1 | 12.5 | 4 | -VAR- | 840 |
| 50A | 2 | 6.3 | 27 | 71 | 1917 |
| 50A | 3 | 12.5 | 4 | 297 | 1188 |
| P7 | | | | | |
| 50A | 1 | 10 | 6 | -VAR- | 342 |
| 60B | 2 | 5 | 5 | 78 | 390 |

| RESUMO AÇO CA 50-60 | | | |
|---|---|---|---|
| AÇO | BIT (mm) | COMPR (m) | PESO (kg) |
| 60B | 5 | 689 | 110 |
| 50A | 6.3 | 43 | 11 |
| 50A | 10 | 404 | 255 |
| 50A | 12.5 | 52 | 52 |
| 50A | 20 | 5 | 13 |
| Peso Total | 60B = | | 110 kg |
| Peso Total | 50A = | | 331 kg |

Volume de concreto (m³) = 9.15

Área de forma (m²) = 100.65

OBSERVAÇÕES:

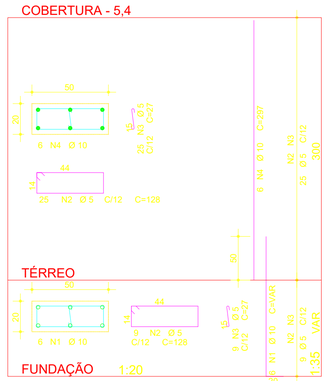


CROQUI DE REFERÊNCIA

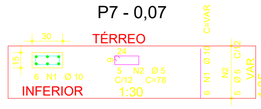
| 1 EST | ESC | ESTRUTURAL |
|---|---|---|
| | 1:50 | PLANTA DE LOCAÇÃO E CARGAS DOS PILARES |

P1=P2=P3=P4=P5=P6

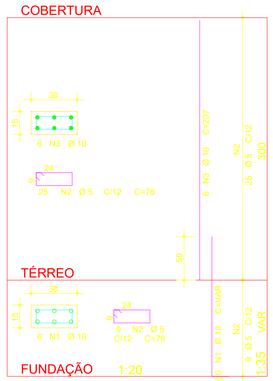
P16=P17=P18=P19=P20=P21



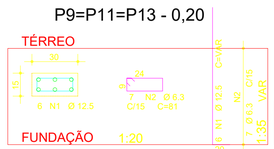

P7 - 0,07



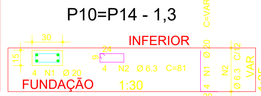

P8=P15 - 0,41



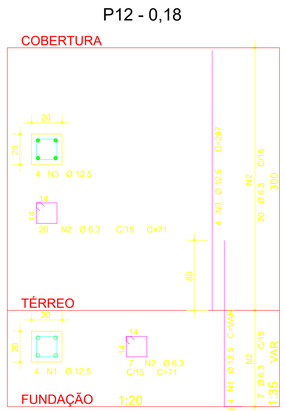

P9=P11=P13 - 0,20




P10=P14 - 1,3




P12 - 0,18




| 2 EST | ESC | ESTRUTURAL |
|---|---|---|
| | VAR | DETALHAMENTO |

PREFEITURA MUNICIPAL DE JACAREACANGA
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Fone: (93) 3542-1266

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# PROJETO ESTRUTURAL

REFORMA E AMPLIAÇÃO DA ESCOLA ESTADUAL DE ENSINO MÉDIO BRIGADEIRO HAROLDO COIMBRA VELOSO

Proprietário: PREFEITURA DE JACAREACANGA

Local: AVENIDA RAIMUNDO J. SANTOS, S/Nº, BAIRRO BELA VISTA - JACAREACANGA - PA

Autor do Projeto:

MARILENE DE SOUZA RODRIGUES
ENGENHEIRO CIVIL – CREA nº 041970951-7

Responsável Técnico:

| Assunto: | Escala: | Data: | Folha: |
|---|---|---|---|
| ESTRUTURAL BLOCO E – AUDITÓRIO | INDICADA | JUL/22 | EST–06 |