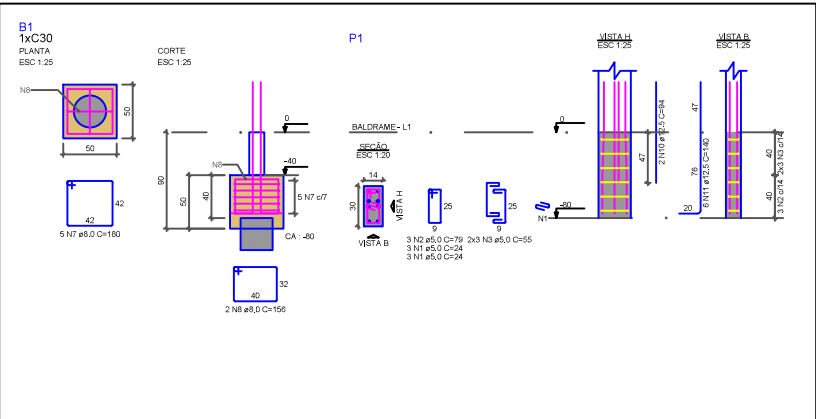
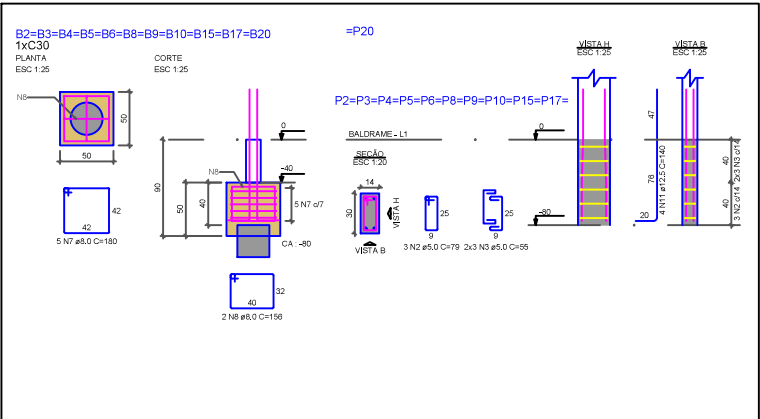
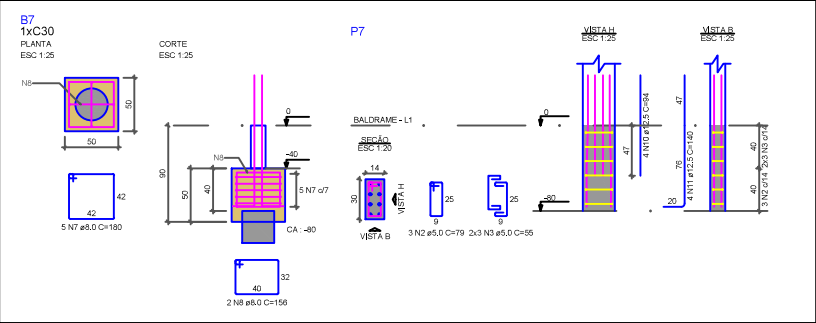
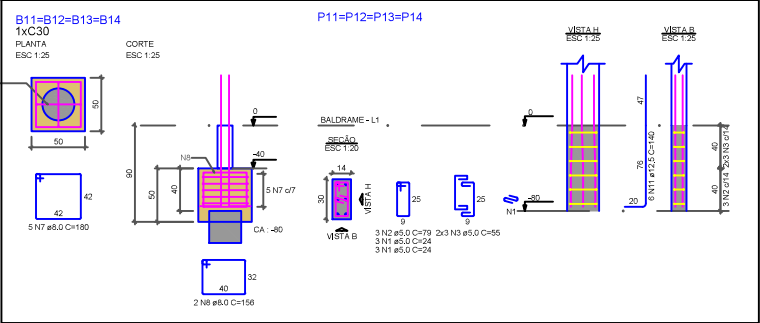
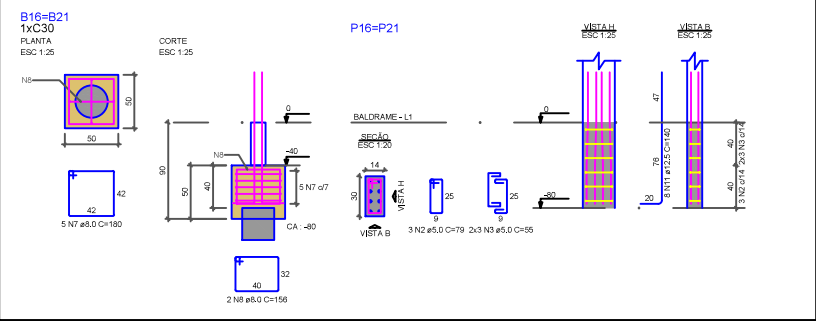
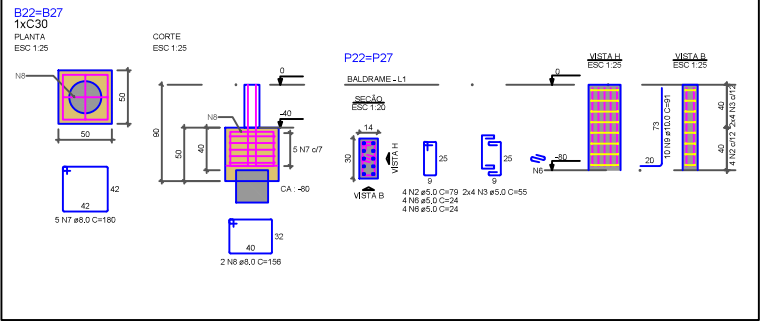
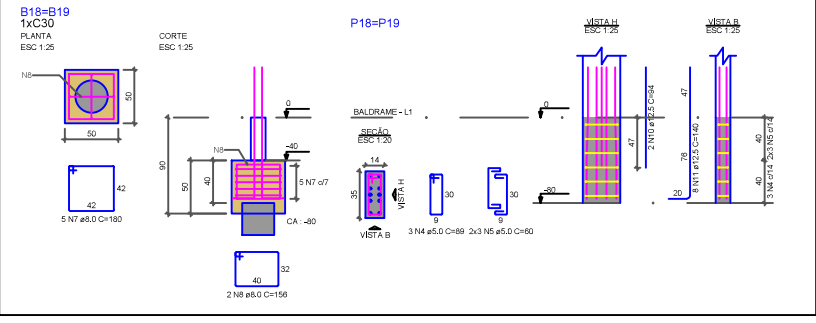
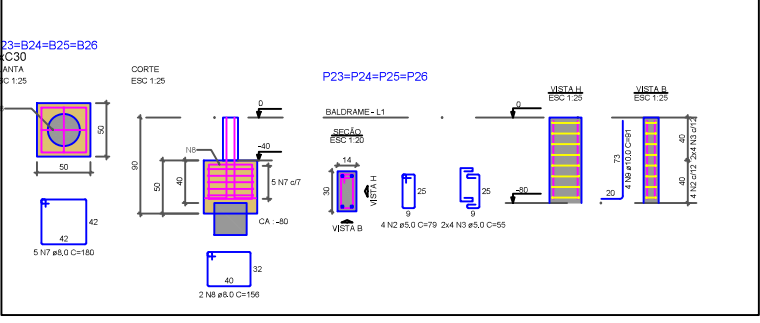




RELAÇÃO DO AÇO

| ACO | N     | DIAM (mm) | QUANT (cm) | C.TOTAL (cm) | C.TOTAL (cm) |
|-----|-------|-----------|------------|--------------|--------------|
| B1  | 2x819 | 8         | 81         | 78           | 6369         |
| B7  | 1x820 | 8         | 81         | 78           | 6369         |
| B21 | 2x821 | 8         | 81         | 78           | 6369         |
| B2  | 2x820 | 8         | 81         | 78           | 6369         |
| B3  | 2x820 | 8         | 81         | 78           | 6369         |
| B4  | 2x820 | 8         | 81         | 78           | 6369         |
| B5  | 2x820 | 8         | 81         | 78           | 6369         |
| B6  | 2x820 | 8         | 81         | 78           | 6369         |
| B8  | 2x820 | 8         | 81         | 78           | 6369         |
| B9  | 2x820 | 8         | 81         | 78           | 6369         |
| B10 | 2x820 | 8         | 81         | 78           | 6369         |
| B15 | 2x820 | 8         | 81         | 78           | 6369         |
| B17 | 2x820 | 8         | 81         | 78           | 6369         |
| B20 | 2x820 | 8         | 81         | 78           | 6369         |

RESUMO DO AÇO

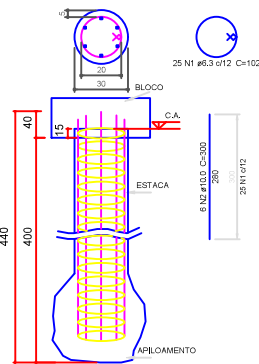
| ACO | DIAM (mm) | C.TOTAL (m) | PESO + 10% (kg) |
|-----|-----------|-------------|-----------------|
| B1  | 8         | 327,2       | 142             |
| B7  | 8         | 327,2       | 142             |
| B21 | 8         | 327,2       | 142             |
| B2  | 8         | 327,2       | 142             |
| B3  | 8         | 327,2       | 142             |
| B4  | 8         | 327,2       | 142             |
| B5  | 8         | 327,2       | 142             |
| B6  | 8         | 327,2       | 142             |
| B8  | 8         | 327,2       | 142             |
| B9  | 8         | 327,2       | 142             |
| B10 | 8         | 327,2       | 142             |
| B15 | 8         | 327,2       | 142             |
| B17 | 8         | 327,2       | 142             |
| B20 | 8         | 327,2       | 142             |

Volume de concreto (C-30) = 3,38 m³  
Área de forma = 36,58 m²

ESTACA - Ø 300 mm

| QUANTIDADE       | 27                 | PESOMETRO (kg/m) |
|------------------|--------------------|------------------|
| PROFUNDIDADE     | 4 METROS           | 5,76 KG/M        |
| ACO LONGITUDINAL | 6 Ø 10,0mm C=3,00m | 5,76 KG/M        |
| ESTRIBOS         | Ø 5,0 mm a/ 12 cm  | 1,31 KG/M        |

ESTACA - Ø 30 - 4M



ANILSO LELIO DA SILVA:8745314268  
Assinado de forma digital por ANILSO LELIO DA SILVA:87453142687  
Dados: 2026.04.27 15:00:24 -03'00'

Documento assinado digitalmente

gov.br

NILCEZAR AUGUSTO PERES  
Data: 25/04/2026 16:30:24-0300  
Verifique em <https://validar.iti.gov.br>

|                                      |                                                                 |                      |                                                                 |                                                                 |                      |
|--------------------------------------|-----------------------------------------------------------------|----------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|----------------------|
| REQUISITANTE                         | PROJETO                                                         | PROPOSTA             | REQUISITANTE                                                    | PROJETO                                                         | PROPOSTA             |
| ENG. CIVIL NILCEZAR AUGUSTO PERES    | PROJETO ESTRUCTURAL - CMEI - MARIANA LOPES DE OLIVEIRA SIQUEIRA | CREA MG 161.233/D-MG | PROJETO ESTRUCTURAL - CMEI - MARIANA LOPES DE OLIVEIRA SIQUEIRA | PROJETO ESTRUCTURAL - CMEI - MARIANA LOPES DE OLIVEIRA SIQUEIRA | CREA MG 161.233/D-MG |
| PREFEITURA MUNICIPAL DE PIRANGUÇU    | FUNDACÕES - DETALHES DOS BLOCOS E BROCAS                        | 18.025.981/0001-97   | PREFEITURA MUNICIPAL DE PIRANGUÇU                               | FUNDACÕES - DETALHES DOS BLOCOS E BROCAS                        | 18.025.981/0001-97   |
| RUA SEBASTIAO CUSTADIO RENNO, Nº 103 | MONTE CASTELO                                                   | 5 e 6                | RUA SEBASTIAO CUSTADIO RENNO, Nº 103                            | MONTE CASTELO                                                   | 5 e 6                |
| PIRANGUÇU - MG                       |                                                                 | N/A                  | PIRANGUÇU - MG                                                  |                                                                 | N/A                  |