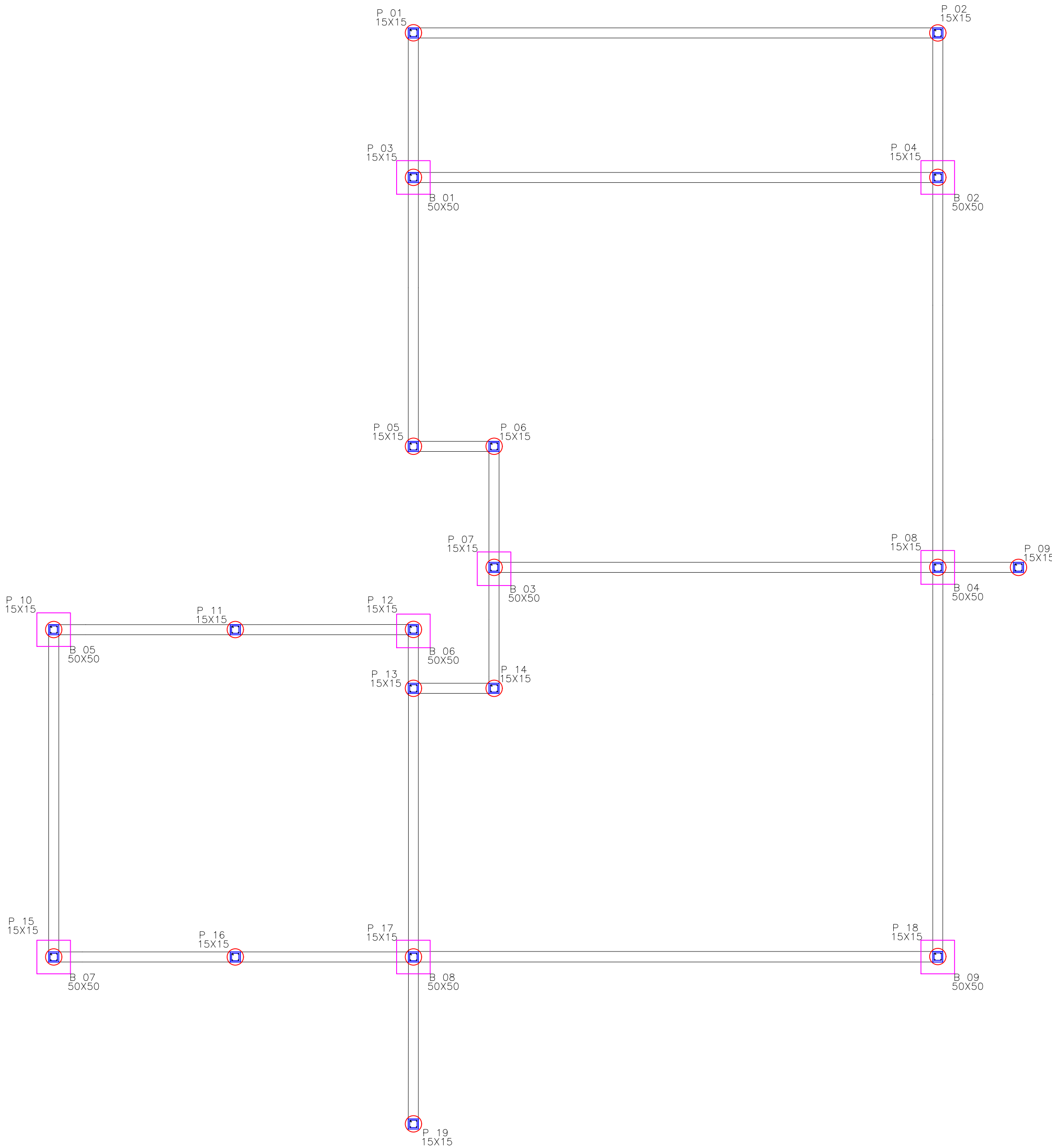
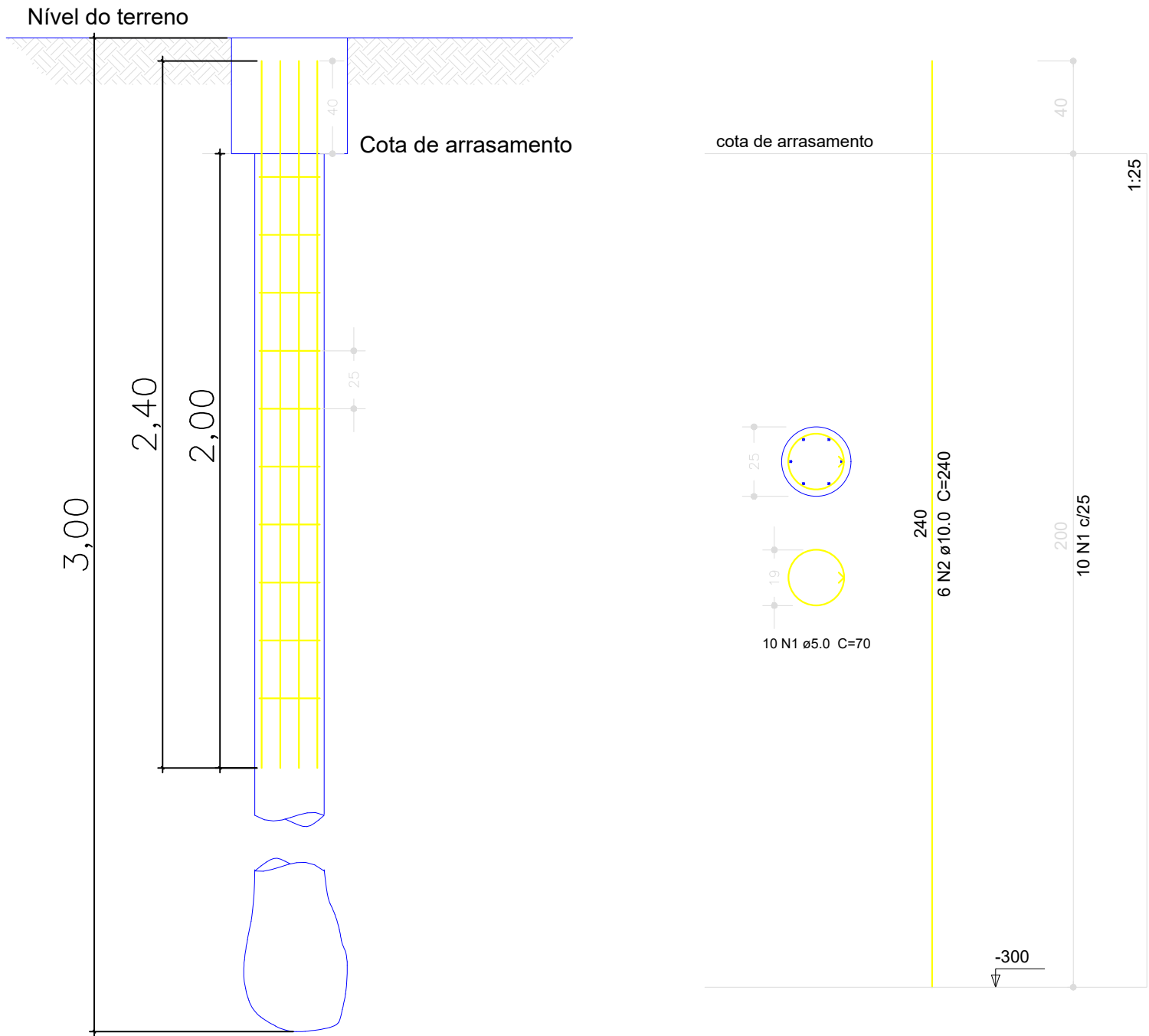




Planta Baixa – Estrutura  
Pilar, Broca e Bloco de fundação  
Esc.:1/50



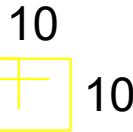
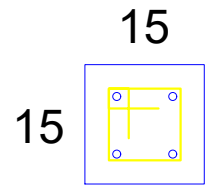
| RELAÇÃO DO AÇO |   |      |     |           |              |
|----------------|---|------|-----|-----------|--------------|
| AÇO            | N | DIAM | Q   | UNIT (cm) | C.TOTAL (cm) |
| 60             | 1 | 5.0  | 190 | 70        | 13300        |
| 50             | 2 | 10.0 | 114 | 240       | 27360        |

| RESUMO DO AÇO |      |             |              |
|---------------|------|-------------|--------------|
| AÇO           | DIAM | C.TOTAL (m) | Barras (12m) |
| CA50          | 10.0 | 273,60      | 23           |
| CA60          | 5.0  | 133,00      | 11           |

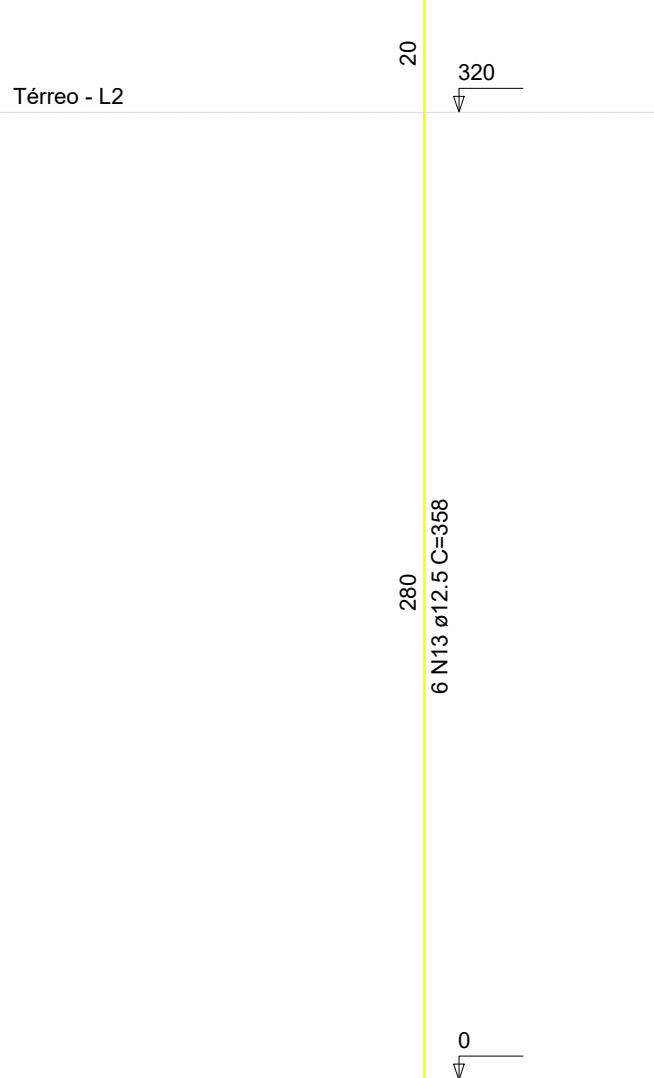
Vol. de concreto total = variável

| Características dos Materiais |             |
|-------------------------------|-------------|
| Fck (kgf/cm²)                 | Volume (m³) |
| 250                           | 2,80        |

P01=P02=P03=P04=P05=P06=  
P07=P08=P09=P10=P11=P12=  
P13=P14=P15=P16=P17=P18=  
P19



20 N1 ø5.0 C=50

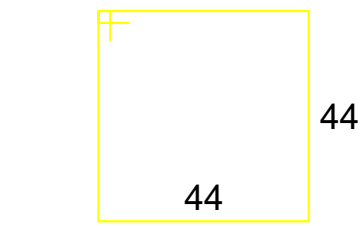
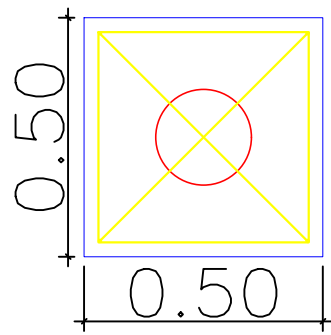


| RELAÇÃO DO AÇO |   |      |     |           |              |
|----------------|---|------|-----|-----------|--------------|
| AÇO            | N | DIAM | Q   | UNIT (cm) | C.TOTAL (cm) |
| 60             | 1 | 5.0  | 380 | 50        | 19000        |
| 50             | 2 | 10.0 | 76  | 300       | 22800        |

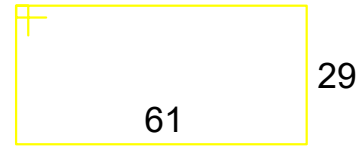
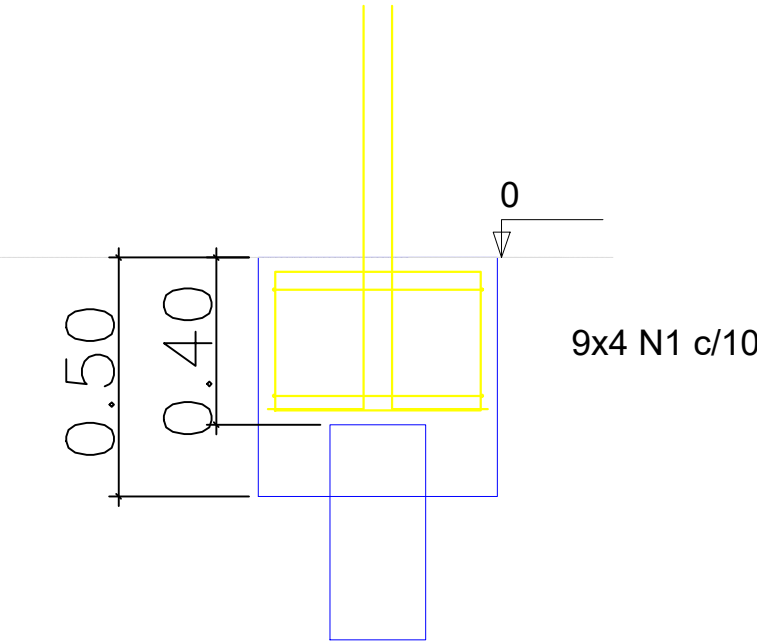
| RESUMO DO AÇO |      |             |           |
|---------------|------|-------------|-----------|
| AÇO           | DIAM | C.TOTAL (m) | PESO (kg) |
| CA50          | 10.0 | 228,00      | 140,68    |
| CA60          | 5.0  | 190,00      | 29,26     |

Vol. de concreto total (C-25) =1,28 m³

B01=B02=B03=B04=B05=B06=B07=B08=B09



9x4 N1 ø8.0 c/10 C=188



9x2 N2 ø8.0 C=192

| RELAÇÃO DO AÇO |   |      |    |           |              |
|----------------|---|------|----|-----------|--------------|
| AÇO            | N | DIAM | Q  | UNIT (cm) | C.TOTAL (cm) |
| 50             | 1 | 8.0  | 36 | 188       | 6768         |
| 50             | 2 | 8.0  | 18 | 192       | 3456         |

| RESUMO DO AÇO |      |             |           |
|---------------|------|-------------|-----------|
| AÇO           | DIAM | C.TOTAL (m) | PESO (kg) |
| CA50          | 8.0  | 102,24      | 40,39     |

Vol. de concreto total (C-25) =1,13 m³



Prefeitura do Município  
de Jambeiro

|                                                                    |          |                                                           |       |
|--------------------------------------------------------------------|----------|-----------------------------------------------------------|-------|
| Obra                                                               |          |                                                           |       |
| Construções de novas salas Escola Municipal Dr. João Leite Vilhena |          |                                                           |       |
| Local                                                              |          | Projeto                                                   |       |
| Rodovia dos Tamoios, km 15 - Jambeiro / SP                         |          | Estrutura: Broca, pilar e Bloco de fundação               |       |
| Administração                                                      |          | Autor do projeto                                          |       |
| Carlos Alberto de Souza<br>Prefeito Municipal                      |          | Eng. Rodrigo Rafael Ferreira de Moraes<br>CREA 5063168150 |       |
| Outubro/2021                                                       | Escala   | Revisão                                                   | Folha |
|                                                                    | Indicada | 00                                                        | 2/6   |