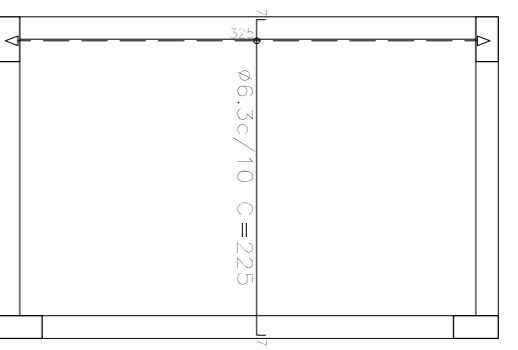


| Elemento                       | Pos. | Diam. | Q. | (cm) | Comp. | Total | Comp. | Total |
|--------------------------------|------|-------|----|------|-------|-------|-------|-------|
|                                |      |       |    | (cm) | (cm)  | (cm)  | (cm)  | (kg)  |
| Armadura longitudinal inferior | 1    | Ø6,3  | 33 | 6    | 210   | 6     | 231   | 1830  |
| Armadura transversal           | 2    | Ø6,3  | 18 | 6    | 108   | 6     | 126   | 1830  |
| Armadura longitudinal superior | 3    | Ø6,3  | 33 | 6    | 210   | 6     | 231   | 1830  |
| Armadura transversal superior  | 4    | Ø6,3  | 18 | 6    | 108   | 6     | 126   | 1830  |
| Armadura transversal superior  | 5    | Ø6,3  | 12 | 0    | 74    | 6     | 20    | 148   |
|                                |      |       |    |      |       |       |       | 5,2   |
|                                |      |       |    |      |       |       |       | 26,3  |
|                                |      |       |    |      |       |       |       | 52,9  |
|                                |      |       |    |      |       |       |       | 18    |
|                                |      |       |    |      |       |       |       | 73,6  |

Fig. 1  
Formas CA-50 em geral  
Esp. 130



| Resumo Aço                     | Comp. total | Peso |
|--------------------------------|-------------|------|
| Armadura longitudinal inferior | (m)         | (kg) |
| CA-50                          | 96,3        | 18   |

| Resumo Aço                    | Comp. total | Peso |
|-------------------------------|-------------|------|
| Armadura transversal inferior | (m)         | (kg) |
| CA-50                         | 61,7        | 15   |

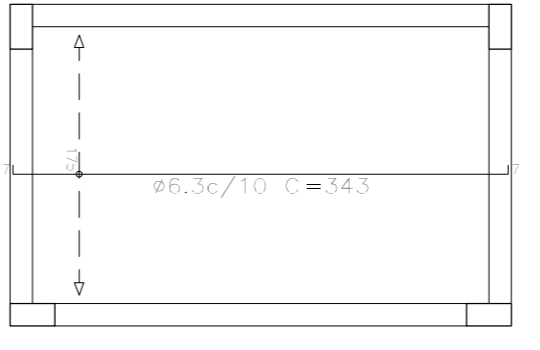


Fig. 1  
Armadura transversal inferior  
Formas CA-50 em geral  
Esp. 130

| Resumo Aço                     | Comp. total | Peso |
|--------------------------------|-------------|------|
| Armadura longitudinal superior | (m)         | (kg) |
| CA-50                          | 59,4        | 15   |

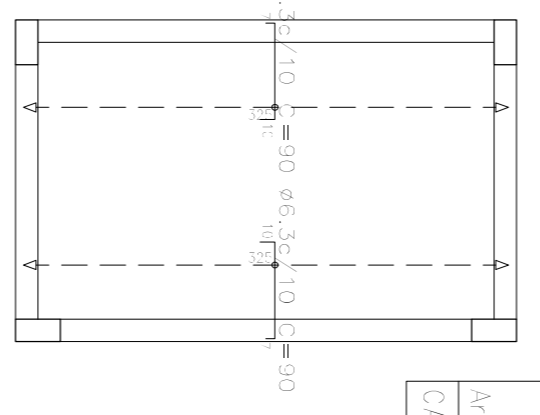
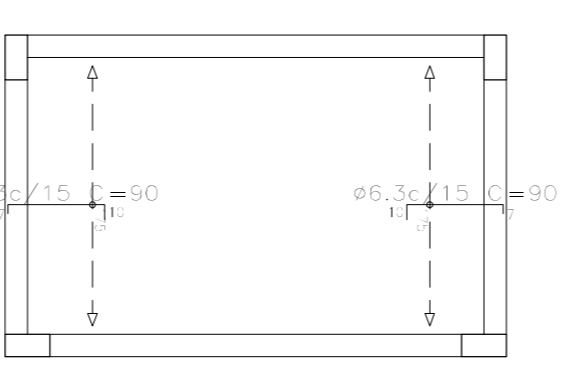


Fig. 1  
Armadura longitudinal superior  
Formas CA-50 em geral  
Esp. 130

| Resumo Aço                    | Comp. total | Peso |
|-------------------------------|-------------|------|
| Armadura transversal superior | (m)         | (kg) |
| CA-50                         | 21,6        | 5    |



## RESUMO DE AÇO DO BANHEIRO

| BIT.         | KG           |
|--------------|--------------|
| 6,3          | 84,1         |
| 8,0          | 32,2         |
| 10,0         | 12,7         |
| 12,5         | 98,42        |
| 16,0         | 33,48        |
| <b>TOTAL</b> | <b>260,9</b> |

| Pos. | Diam. | Q. | (cm) | Comp. | Total | Comp. | Total |
|------|-------|----|------|-------|-------|-------|-------|
|      |       |    | (cm) | (cm)  | (cm)  | (cm)  | (kg)  |
| 1    | Ø12,5 | 4  | 315  | 1260  | 2520  |       |       |
| 2    | Ø6,3  | 20 | 79   | 1580  | 3160  |       |       |
| 3    | Ø6,3  | 2  | 72   | 144   | 432   |       |       |
| 4    | Ø6,3  | 2  | 72   | 144   | 432   |       |       |
| 5    | Ø6,3  | 2  | 72   | 144   | 432   |       |       |
| 6    | Ø6,3  | 20 | 79   | 1580  | 3160  |       |       |
| 7    | Ø12,5 | 4  | 315  | 1260  | 2520  |       |       |
| 8    | Ø6,3  | 2  | 72   | 144   | 432   |       |       |
|      |       |    |      |       |       |       | 20,7  |
|      |       |    |      |       |       |       | 177,6 |
|      |       |    |      |       |       |       | 602   |
|      |       |    |      |       |       |       | 43,0  |
|      |       |    |      |       |       |       | 574   |

| Resumo Aço  | Comp. total | Peso |
|-------------|-------------|------|
| Flanges     | (m)         | (kg) |
| CA-50 Ø12,5 | 71,8        | 18   |
| Ø6,3        | 69,6        | 85   |

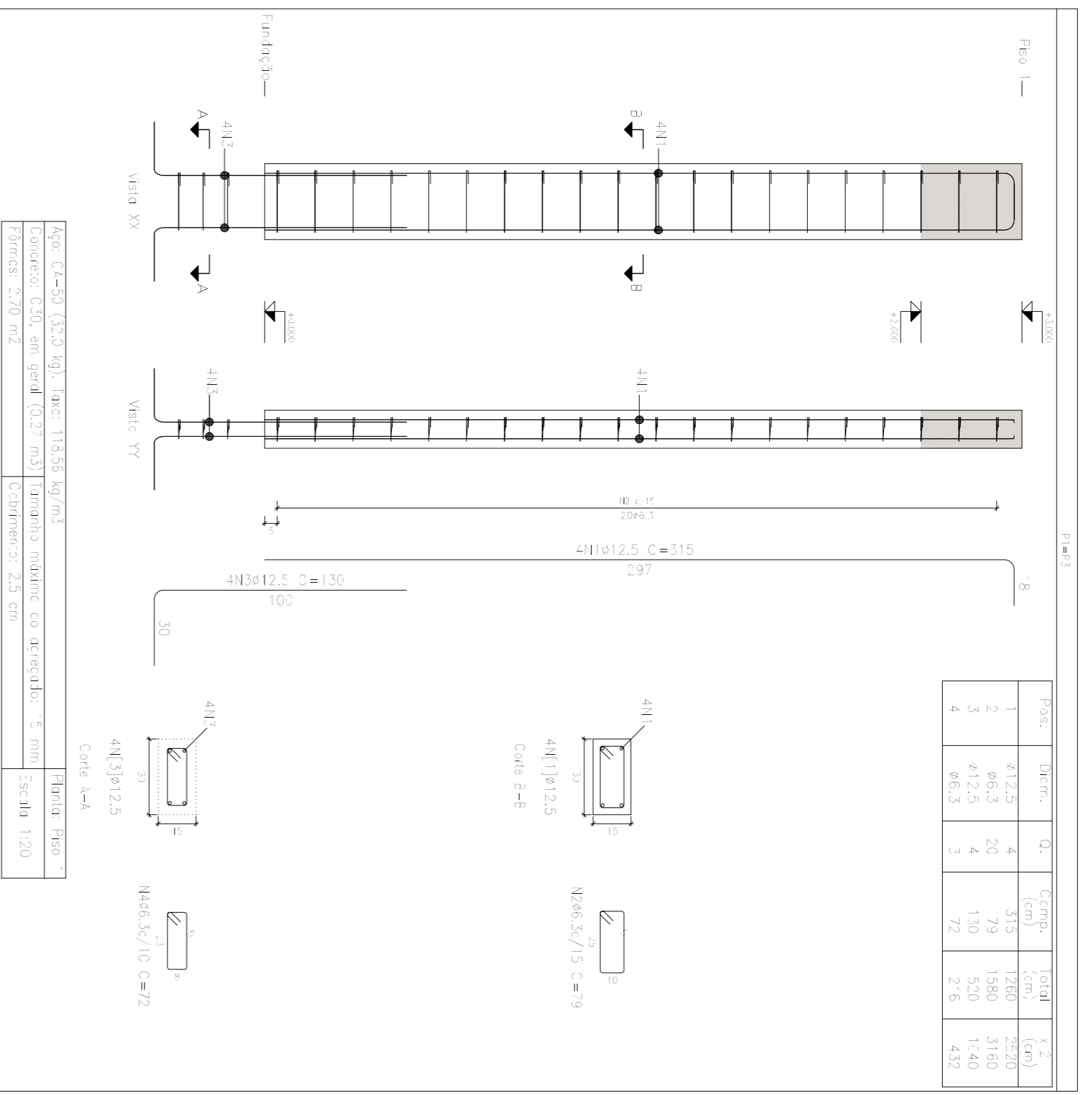


Fig. 1  
Formas CA-50 em geral  
Esp. 130

Fig. 1  
Formas CA-50 em geral  
Esp. 130

## RESUMO DE CONCRETO

|     |         |
|-----|---------|
| C20 | 1,31 M3 |
| C30 | 1,82 M3 |

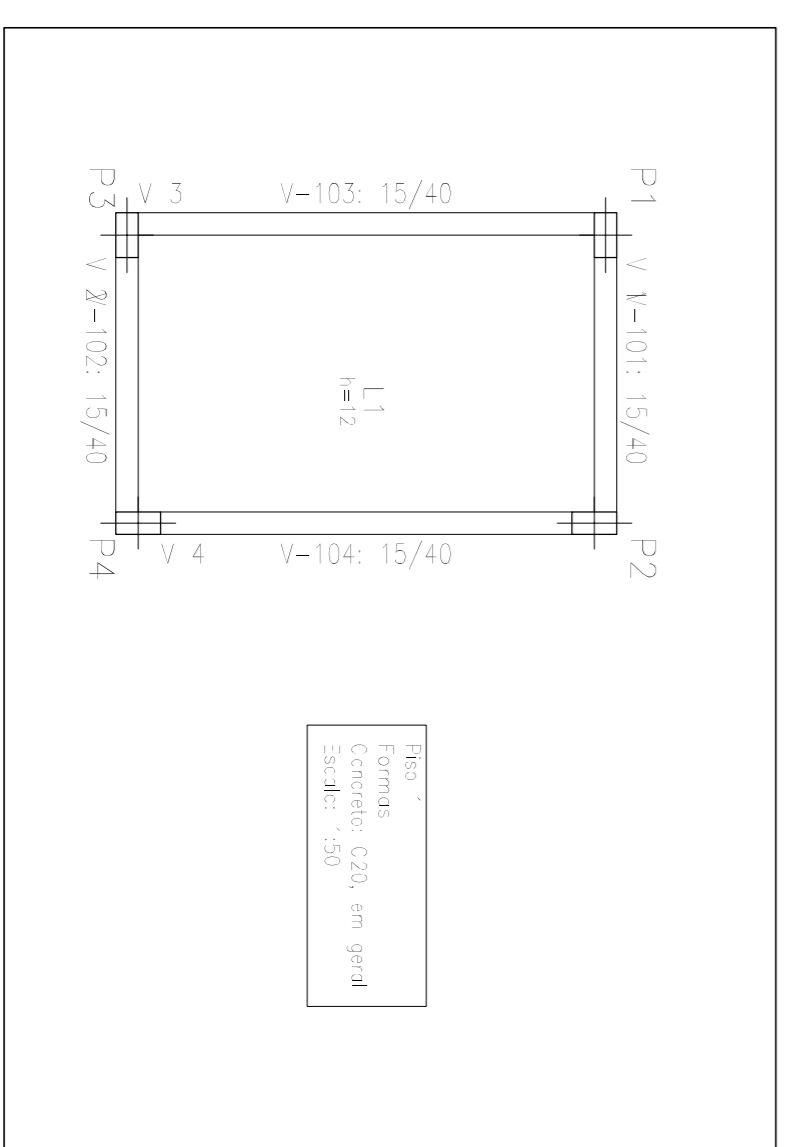


Fig. 1  
Formas CA-50 em geral  
Esp. 130

| Pos. | Diam. | Q. | (cm) | Comp. | Total | Comp. | Total |
|------|-------|----|------|-------|-------|-------|-------|
|      |       |    | (cm) | (cm)  | (cm)  | (cm)  | (kg)  |
| 5    | Ø12,5 | 4  | 315  | 1260  | 2520  |       |       |
| 6    | Ø6,3  | 20 | 79   | 1580  | 3160  |       |       |
| 7    | Ø12,5 | 4  | 315  | 1260  | 2520  |       |       |
| 8    | Ø6,3  | 2  | 72   | 144   | 432   |       |       |
|      |       |    |      |       |       |       | 20,7  |
|      |       |    |      |       |       |       | 177,6 |
|      |       |    |      |       |       |       | 602   |
|      |       |    |      |       |       |       | 43,0  |
|      |       |    |      |       |       |       | 574   |

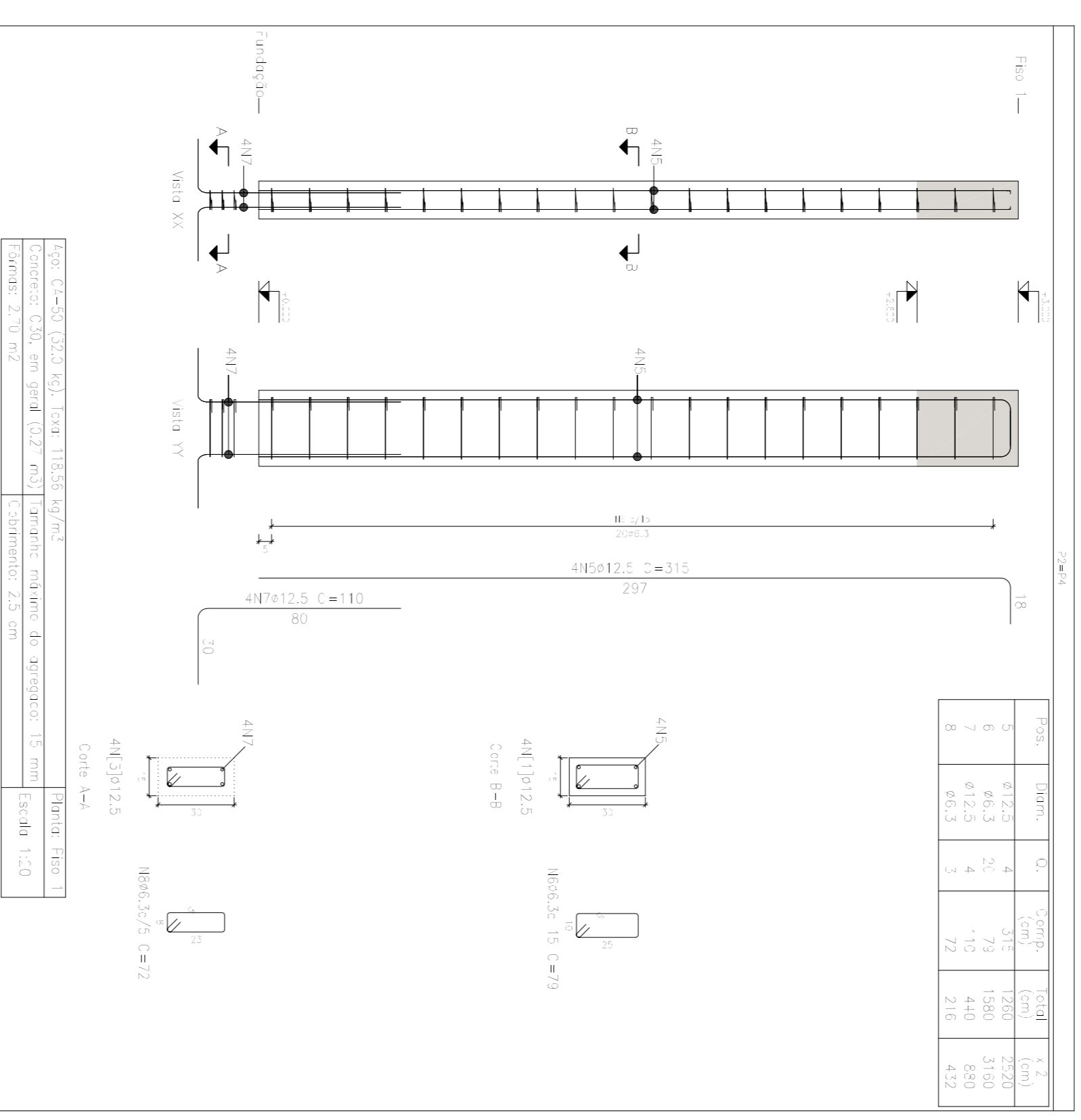


Fig. 1  
Formas CA-50 em geral  
Esp. 130

|   |  |                  |
|---|--|------------------|
| Projeto: PROJETO DE ESTRUTURAS EM CONCRETO ARMADO     |  | Data: 08/04/2019 |
| Local: E.M. RITA CABRAL PINTO                         |  |                  |
| Nome: COZINHA / DESPENSA                              |  |                  |
| Des.: ADAPTAÇÃO PARA CRECHE DA E.M. RITA CABRAL PINTO |  |                  |
| DSS:  |  |                  |
| ENGENHEIRO:   |  |                  |
| Rua: 47.600 S/N - 89391 - 201 2386                    |  |                  |