## P1

| Pos. | Diam. | Q. | Comp. (cm) | Total (cm) |
|---|---|---|---|---|
| 1 | Ø10 | 6 | 390 | 2340 |
| 2 | Ø5 | 64 | 79 | 5056 |
| 3 | Ø5 | 64 | 22 | 1408 |
| 4 | Ø10 | 6 | 340 | 2040 |
| 5 | Ø10 | 4 | 140 | 560 |
| 6 | Ø10 | 2 | 140 | 280 |
| 7 | Ø10 | 6 | 120 | 720 |
| 8 | Ø5 | 3 | 71 | 213 |

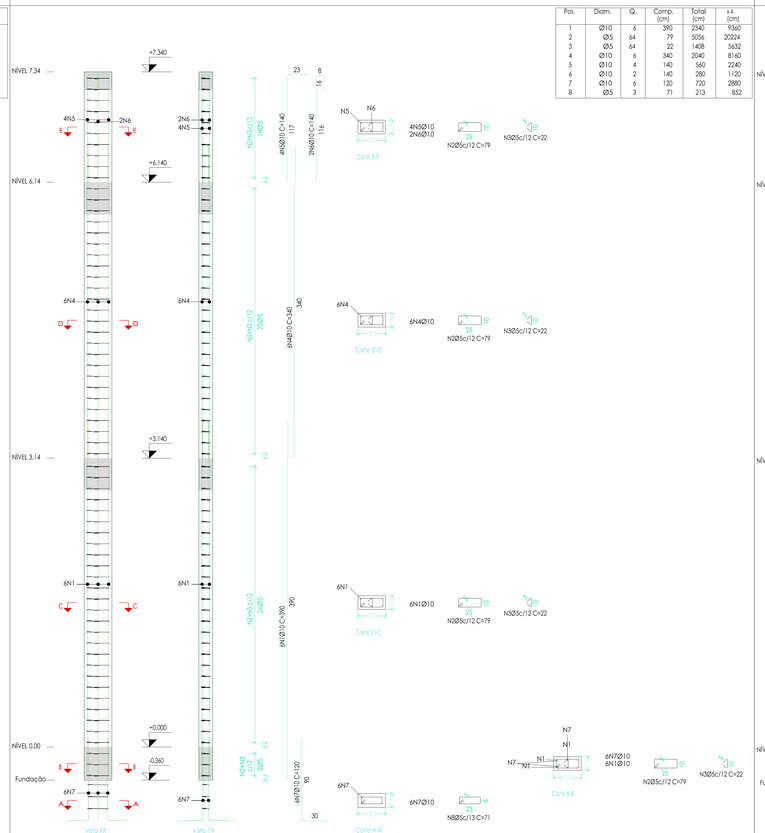



Escala 1:20

| Planta | Dimensão (cm) | Concreto Tipo: C25, em geral. Cobrimento: 2,5 cm Volume (m3) | Concreto Fôrmas (m2) | Armaduras CA-50 e CA-60 Longitudinal (kg) | Armaduras CA-50 e CA-60 Estribos (kg) | Armaduras CA-50 e CA-60 Total +10 % (kg) | Taxa (kg/m3) |
|---|---|---|---|---|---|---|---|
| NÍVEL 7.34 | 30x15 | 0.05 | 1.08 | 5.2 | 1.6 | 7.5 | 125.93 |
| NÍVEL 6.14 | | 0.14 | 2.70 | 12.6 | 4.0 | 18.3 | 132.96 |
| NÍVEL 3.14 | | 0.14 | 2.83 | - | 4.1 | 4.5 | 29.02 |
| NÍVEL 0.00 | | 0.02 | 0.32 | 14.4 | 0.5 | 16.4 | 919.75 |
| Total | | 0.35 | 6.93 | 32.2 | 10.1 | 46.7 | 132.37 |

## P2=P25=P26=P27

| Pos. | Diam. | Q. | Comp. (cm) | Total (cm) | x 4 (cm) |
|---|---|---|---|---|---|
| 1 | Ø10 | 6 | 390 | 2340 | 9360 |
| 2 | Ø5 | 64 | 79 | 5056 | 20224 |
| 3 | Ø5 | 64 | 22 | 1408 | 5632 |
| 4 | Ø10 | 6 | 340 | 2040 | 8160 |
| 5 | Ø10 | 4 | 140 | 560 | 2240 |
| 6 | Ø10 | 2 | 140 | 280 | 1120 |
| 7 | Ø10 | 6 | 120 | 720 | 2880 |
| 8 | Ø5 | 3 | 71 | 213 | 852 |

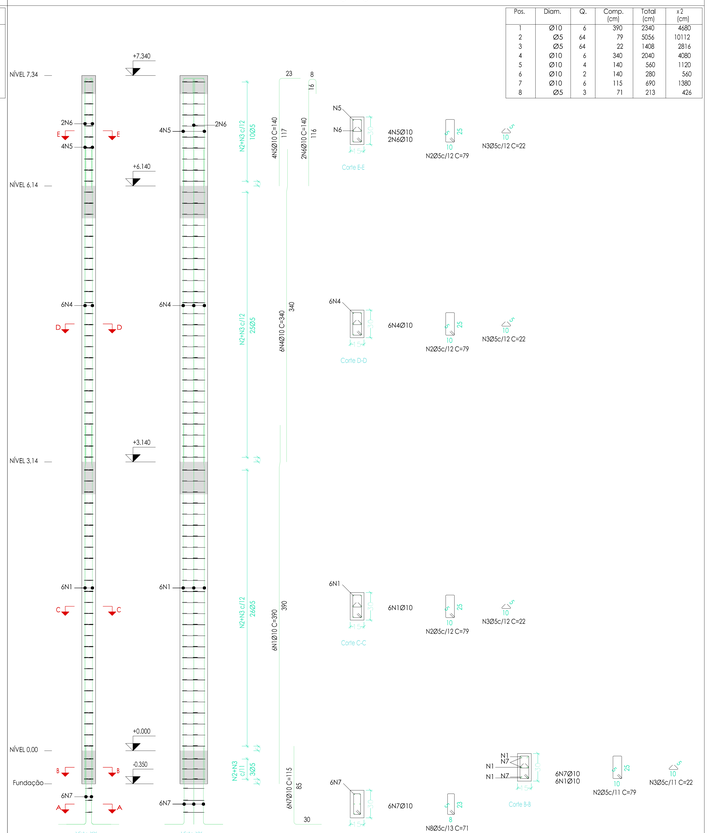



Escala 1:20

| Planta | Dimensão (cm) | Concreto Tipo: C25, em geral. Cobrimento: 2,5 cm Volume (m3) | Concreto Fôrmas (m2) | Armaduras CA-50 e CA-60 Longitudinal (kg) | Armaduras CA-50 e CA-60 Estribos (kg) | Armaduras CA-50 e CA-60 Total +10 % (kg) | Taxa (kg/m3) |
|---|---|---|---|---|---|---|---|
| NÍVEL 7.34 | 30x15 | 0.05 | 1.08 | 5.2 | 1.6 | 7.5 | 125.93 |
| NÍVEL 6.14 | | 0.14 | 2.70 | 12.6 | 4.0 | 18.3 | 132.96 |
| NÍVEL 3.14 | | 0.14 | 2.83 | - | 4.1 | 4.5 | 29.02 |
| NÍVEL 0.00 | | 0.02 | 0.32 | 14.4 | 0.5 | 16.4 | 919.75 |
| Total (x4) | | 1.39 | 27.72 | 128.7 | 40.4 | 186.8 | 132.37 |

## P3=P6

| Pos. | Diam. | Q. | Comp. (cm) | Total (cm) | x 2 (cm) |
|---|---|---|---|---|---|
| 1 | Ø10 | 6 | 390 | 2340 | 4680 |
| 2 | Ø5 | 64 | 79 | 5056 | 10112 |
| 3 | Ø5 | 64 | 22 | 1408 | 2816 |
| 4 | Ø10 | 6 | 340 | 2040 | 4080 |
| 5 | Ø10 | 4 | 140 | 560 | 1120 |
| 6 | Ø10 | 2 | 140 | 280 | 560 |
| 7 | Ø10 | 6 | 115 | 690 | 1380 |
| 8 | Ø5 | 3 | 71 | 213 | 426 |




Escala 1:20

| Planta | Dimensão (cm) | Concreto Tipo: C25, em geral. Cobrimento: 2,5 cm Volume (m3) | Concreto Fôrmas (m2) | Armaduras CA-50 e CA-60 Longitudinal (kg) | Armaduras CA-50 e CA-60 Estribos (kg) | Armaduras CA-50 e CA-60 Total +10 % (kg) | Taxa (kg/m3) |
|---|---|---|---|---|---|---|---|
| NÍVEL 7.34 | 15x30 | 0.05 | 1.08 | 5.2 | 1.6 | 7.5 | 125.93 |
| NÍVEL 6.14 | | 0.14 | 2.70 | 12.6 | 4.0 | 18.3 | 132.96 |
| NÍVEL 3.14 | | 0.14 | 2.83 | - | 4.1 | 4.5 | 29.02 |
| NÍVEL 0.00 | | 0.02 | 0.32 | 14.4 | 0.5 | 16.4 | 919.75 |
| Total (x2) | | 0.69 | 13.86 | 64.3 | 20.3 | 93.4 | 132.37 |

| Elemento | Pos. | Diam. | Q. | Dob. (cm) | Reta (cm) | Dob. (cm) | Comp. (cm) | Total (cm) | CA-50 (kg) | CA-60 (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| P1 | 1 | Ø10 | 6 | | | | 390 | 2340 | 14.4 | |
| | 2 | Ø5 | 64 | | | | 79 | 5056 | | 7.9 |
| | 3 | Ø5 | 64 | | | | 22 | 1408 | | 2.2 |
| | 4 | Ø10 | 6 | | | | 340 | 2040 | 12.6 | |
| | 5 | Ø10 | 4 | | | | 140 | 560 | 3.5 | |
| | 6 | Ø10 | 2 | | | | 140 | 280 | 1.7 | |
| | 7 | Ø10 | 6 | | | | 120 | 720 | 4.4 | |
| | 8 | Ø5 | 3 | | | | 71 | 213 | | 0.3 |
| | | | | | | | Total+10%: | | 40.3 | 11.4 |
| | | | | | | | Ø5: | | 0.0 | 11.4 |
| | | | | | | | Ø10: | | 40.3 | 0.0 |
| | | | | | | | Total: | | 40.3 | 11.4 |

| Elemento | Pos. | Diam. | Q. | Dob. (cm) | Reta (cm) | Dob. (cm) | Comp. (cm) | Total (cm) | CA-50 (kg) | CA-60 (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| P2=P25=P26 P27 | 1 | Ø10 | 6 | | | | 390 | 2340 | 14.4 | |
| | 2 | Ø5 | 64 | | | | 79 | 5056 | | 7.9 |
| | 3 | Ø5 | 64 | | | | 22 | 1408 | | 2.2 |
| | 4 | Ø10 | 6 | | | | 340 | 2040 | 12.6 | |
| | 5 | Ø10 | 4 | | | | 140 | 560 | 3.5 | |
| | 6 | Ø10 | 2 | | | | 140 | 280 | 1.7 | |
| | 7 | Ø10 | 6 | | | | 120 | 720 | 4.4 | |
| | 8 | Ø5 | 3 | | | | 71 | 213 | | 0.3 |
| | | | | | | | Total+10%: | | 40.3 | 11.4 |
| | | | | | | | (x4): | | 161.2 | 45.6 |
| | | | | | | | Ø5: | | 0.0 | 45.6 |
| | | | | | | | Ø10: | | 161.2 | 0.0 |
| | | | | | | | Total: | | 161.2 | 45.6 |

| Elemento | Pos. | Diam. | Q. | Dob. (cm) | Reta (cm) | Dob. (cm) | Comp. (cm) | Total (cm) | CA-50 (kg) | CA-60 (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| P3=P6 | 1 | Ø10 | 6 | | | | 390 | 2340 | 14.4 | |
| | 2 | Ø5 | 64 | | | | 79 | 5056 | | 7.9 |
| | 3 | Ø5 | 64 | | | | 22 | 1408 | | 2.2 |
| | 4 | Ø10 | 6 | | | | 340 | 2040 | 12.6 | |
| | 5 | Ø10 | 4 | | | | 140 | 560 | 3.5 | |
| | 6 | Ø10 | 2 | | | | 140 | 280 | 1.7 | |
| | 7 | Ø10 | 6 | | | | 115 | 690 | 4.3 | |
| | 8 | Ø5 | 3 | | | | 71 | 213 | | 0.3 |
| | | | | | | | Total+10%: | | 40.2 | 11.4 |
| | | | | | | | (x2): | | 80.4 | 22.8 |
| | | | | | | | Ø5: | | 0.0 | 22.8 |
| | | | | | | | Ø10: | | 80.4 | 0.0 |
| | | | | | | | Total: | | 80.4 | 22.8 |


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GIULIANO BARBAGALLO :30197886841

Assinado de forma digital por GIULIANO BARBAGALLO:30197886841 Dados: 2026.03.31 10:16:14 -03'00'

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|---|---|---|---|
| ASSUNTO | PILARES | | ART: 2620260778629 |
| PROPRIETÁRIO | CAMARA MUNICIPAL DA ESTANCIA TURISTICA DE IBIUNA | | |
| ESCALA | INDICADAS | DATA 02/2026 | DES. GIULIANO FL. 03/19 |