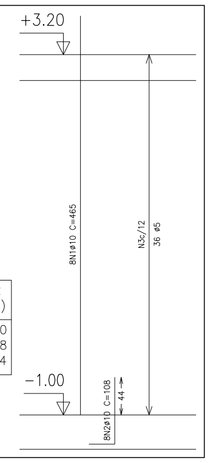
| Resumo Aço intermediário Pilares | | Comp. total (m) | Peso+10% (kg) | Total |
|---|---|---|---|---|
| CA-50-A | ø6.3 | 21.9 | 6 | |
| | ø10 | 278.2 | 192 | |
| | ø12.5 | 83.8 | 90 | |
| | ø16 | 25.4 | 44 | 332 |
| CA-60-B | ø5 | 282.4 | 49 | 49 |
| Total | | | | 381 |

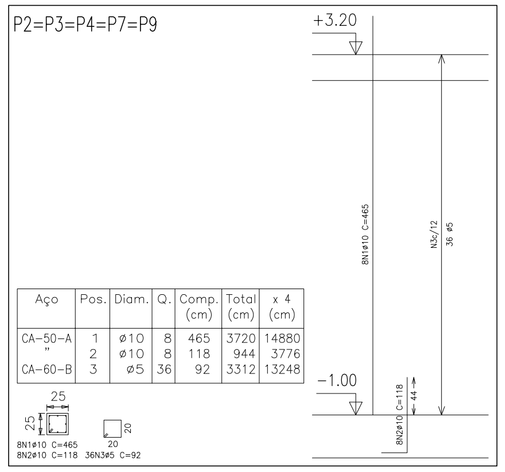
Pilares que terminam em intermediário
Concreto: C20, em geral
Aço: CA-50-A e CA-60-B
Escala: 1:50

P1=P5



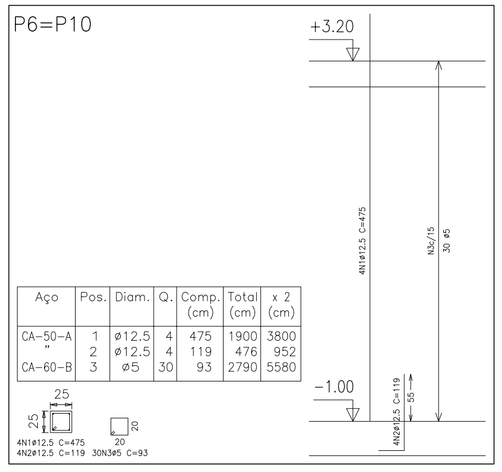

| Aço | Pos. | Diam. | Q. | Comp. (cm) | Total (cm) | x 2 (cm) |
|---|---|---|---|---|---|---|
| CA-50-A | 1 | ø10 | 8 | 465 | 3720 | 7440 |
| " | 2 | ø10 | 8 | 108 | 864 | 1728 |
| CA-60-B | 3 | ø5 | 36 | 92 | 3312 | 6624 |

P2=P3=P4=P7=P9



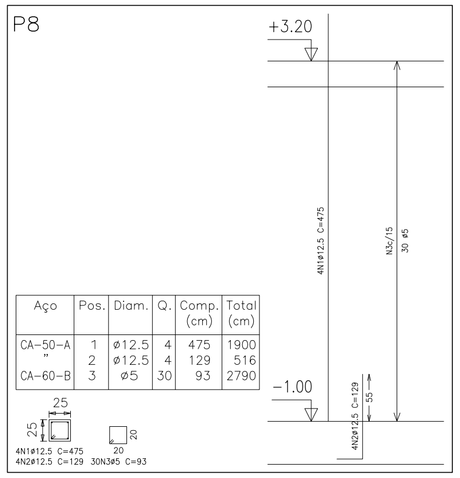

| Aço | Pos. | Diam. | Q. | Comp. (cm) | Total (cm) | x 4 (cm) |
|---|---|---|---|---|---|---|
| CA-50-A | 1 | ø10 | 8 | 465 | 3720 | 14880 |
| " | 2 | ø10 | 8 | 118 | 944 | 3776 |
| CA-60-B | 3 | ø5 | 36 | 92 | 3312 | 13248 |

P6=P10




| Aço | Pos. | Diam. | Q. | Comp. (cm) | Total (cm) | x 2 (cm) |
|---|---|---|---|---|---|---|
| CA-50-A | 1 | ø12.5 | 4 | 475 | 1900 | 3800 |
| " | 2 | ø12.5 | 4 | 119 | 476 | 952 |
| CA-60-B | 3 | ø5 | 30 | 93 | 2790 | 5580 |

P8

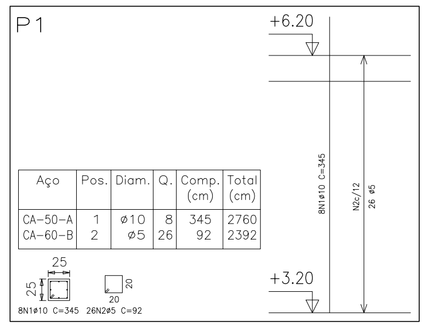



| Aço | Pos. | Diam. | Q. | Comp. (cm) | Total (cm) |
|---|---|---|---|---|---|
| CA-50-A | 1 | ø12.5 | 4 | 475 | 1900 |
| " | 2 | ø12.5 | 4 | 129 | 516 |
| CA-60-B | 3 | ø5 | 30 | 93 | 2790 |

| Resumo Aço laje reservatório Pilares | | Comp. total (m) | Peso+10% (kg) | Total |
|---|---|---|---|---|
| CA-50-A | ø6.3 | 11.7 | 3 | |
| | ø10 | 165.6 | 114 | |
| | ø12.5 | 42.6 | 46 | |
| | ø16 | 14.8 | 26 | 189 |
| CA-60-B | ø5 | 202.1 | 35 | 35 |
| Total | | | | 224 |

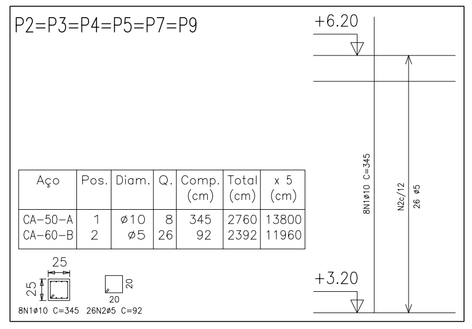
Pilares que terminam em laje reservatório
Concreto: C20, em geral
Aço: CA-50-A e CA-60-B
Escala: 1:50

P1



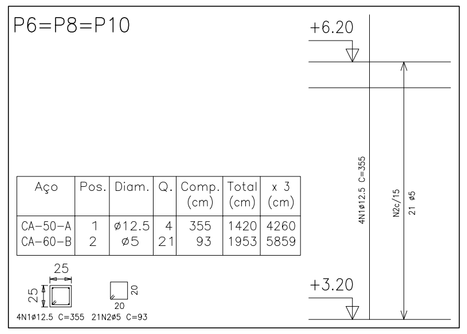

| Aço | Pos. | Diam. | Q. | Comp. (cm) | Total (cm) |
|---|---|---|---|---|---|
| CA-50-A | 1 | ø10 | 8 | 345 | 2760 |
| CA-60-B | 2 | ø5 | 26 | 92 | 2392 |

P2=P3=P4=P5=P7=P9




| Aço | Pos. | Diam. | Q. | Comp. (cm) | Total (cm) | x 5 (cm) |
|---|---|---|---|---|---|---|
| CA-50-A | 1 | ø10 | 8 | 345 | 2760 | 13800 |
| CA-60-B | 2 | ø5 | 26 | 92 | 2392 | 11960 |

P6=P8=P10

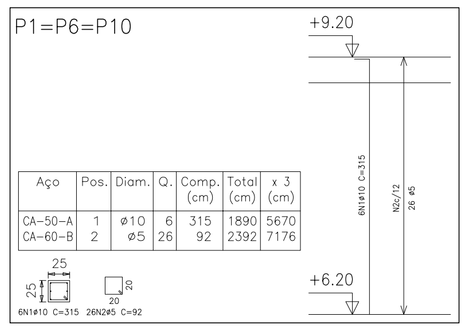



| Aço | Pos. | Diam. | Q. | Comp. (cm) | Total (cm) | x 3 (cm) |
|---|---|---|---|---|---|---|
| CA-50-A | 1 | ø12.5 | 4 | 355 | 1420 | 4260 |
| CA-60-B | 2 | ø5 | 21 | 93 | 1953 | 5859 |

| Resumo Aço coroamento reservatorio Pilares | | Comp. total (m) | Peso+10% (kg) | Total |
|---|---|---|---|---|
| CA-50-A | ø10 | 182.7 | 126 | 126 |
| CA-60-B | ø5 | 234.0 | 40 | 40 |
| Total | | | | 166 |

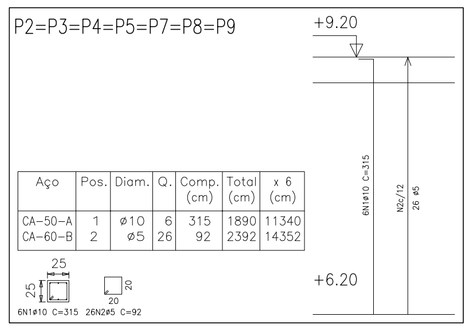
Pilares que terminam em coroamento reservatorio
Concreto: C20, em geral
Aço: CA-50-A e CA-60-B
Escala: 1:50

P1=P6=P10




| Aço | Pos. | Diam. | Q. | Comp. (cm) | Total (cm) | x 3 (cm) |
|---|---|---|---|---|---|---|
| CA-50-A | 1 | ø10 | 6 | 315 | 1890 | 5670 |
| CA-60-B | 2 | ø5 | 26 | 92 | 2392 | 7176 |

P2=P3=P4=P5=P7=P8=P9




| Aço | Pos. | Diam. | Q. | Comp. (cm) | Total (cm) | x 6 (cm) |
|---|---|---|---|---|---|---|
| CA-50-A | 1 | ø10 | 6 | 315 | 1890 | 11340 |
| CA-60-B | 2 | ø5 | 26 | 92 | 2392 | 14352 |

SECRETARIA DE OBRAS PÚBLICAS
DEPARTAMENTO DE GESTÃO DE OBRAS DE PRÓPRIOS PÚBLICOS
CENTRO ADMINISTRATIVO FERNANDO FERRARI - AV. BORGES DE MEDEIROS N. 1501 - POA/RS

| | |
|---|---|
| DIVISÃO: PROJETOS COMPLEMENTARES | DIRETOR D.O.: ARQ. ODIR BACCARIN |
| RESPONSÁVEL TÉCNICO P/ AMPLIAÇÃO: ENG. CIVIL ANA LUCIA MOSELE - CREA 37.222; ENG° AYRTON C. OLIVEIRA - CREA 70066 | VIST. COORD. PROJ.: ENG. LUIS FERNANDO; DESENHO: ACAD. MARISA CASTRO |
| OBRA: UNIDADE PRONTO ATENDIMENTO - UPA III | AREA: 1.485,50 m² |
| ENDEREÇO: PROJETO PADRÃO | MUNICÍPIO |
| PROJETO: ESTRUTURAL | ASSUNTO: PILARES DO INTERMEDIÁRIO; PILARES DO RESERVATÓRIO; PILARES DO COROAMENTO |
| ESCALA: INDICADA | DATA: OUT 2009 |
| Nº PRANCHA: C07/07 | |
| Nº ARQUIVO: XXX-EST-PL-PIL-TPV-R000 | |