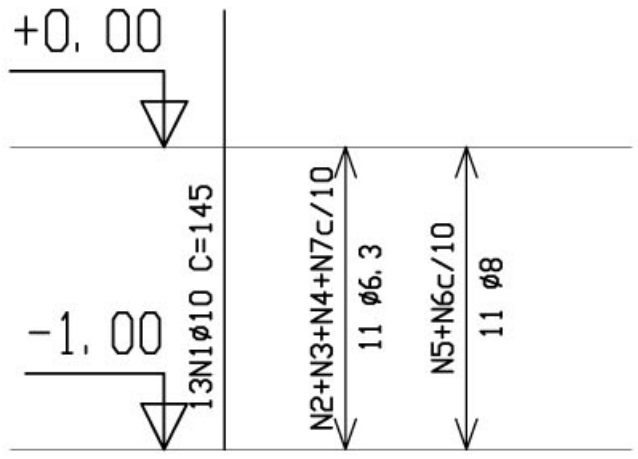
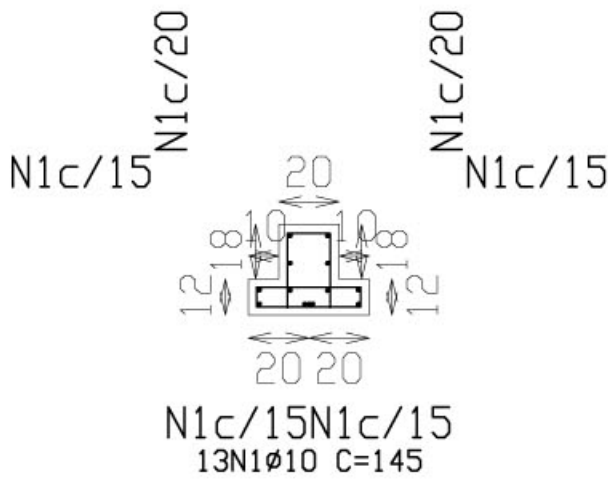


P2=P4=P6=P8=P11=P13  
P15

A

| Aço     | Pos. | Diam. | Q. | Comp.<br>(cm) | Total<br>(cm) | x 7<br>(cm) |
|---------|------|-------|----|---------------|---------------|-------------|
| CA-50-A | 1    | ø10   | 13 | 145           | 1885          | 13195       |
| '       | 2    | ø6.3  | 11 | 39            | 429           | 3003        |
| '       | 3    | ø6.3  | 11 | 39            | 429           | 3003        |
| '       | 4    | ø6.3  | 11 | 31            | 341           | 2387        |
| '       | 5    | ø8    | 11 | 39            | 429           | 3003        |
| '       | 6    | ø8    | 11 | 39            | 429           | 3003        |
| '       | 7    | ø6.3  | 11 | 31            | 341           | 2387        |

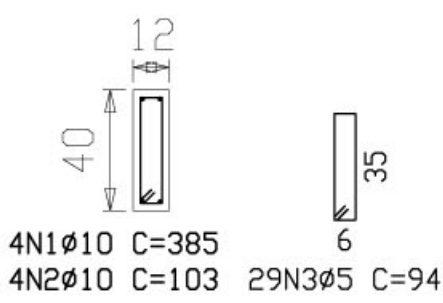


| Resumo Aço<br>CINTAS<br>Pilares e paredes | Comp. total<br>(m) | Peso+10%<br>(Kg) | Total |
|-------------------------------------------|--------------------|------------------|-------|
| CA-50-A ø6.3                              | 215.6              | 59               |       |
| ø8                                        | 120.1              | 52               |       |
| ø10                                       | 263.9              | 182              | 293   |

A+B

P1=P3=P5=P7=P12=P14  
P16=P26=P28=P31=P33  
P35=P36=P38=P40=P42  
P17=P18=P19=P20=P23  
P24=P25

| Aço     | Pos. | Diam. | Q. | Comp.<br>(cm) | Total<br>(cm) | x 23<br>(cm) |
|---------|------|-------|----|---------------|---------------|--------------|
| CA-50-A | 1    | ø10   | 4  | 385           | 1540          | 35420        |
| '       | 2    | ø10   | 4  | 103           | 412           | 9476         |
| CA-60-B | 3    | ø5    | 29 | 94            | 2726          | 62698        |

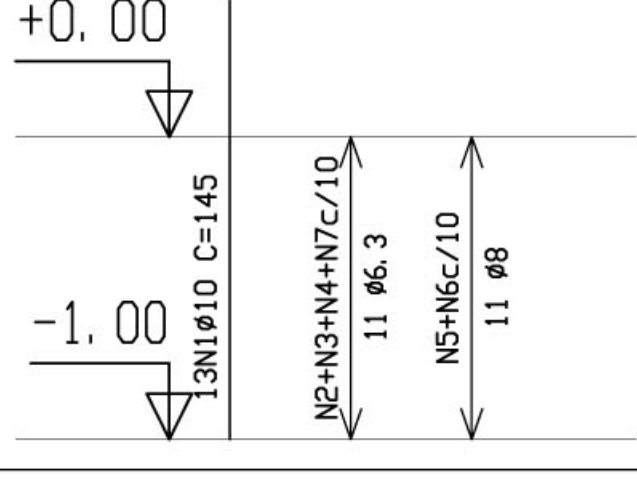
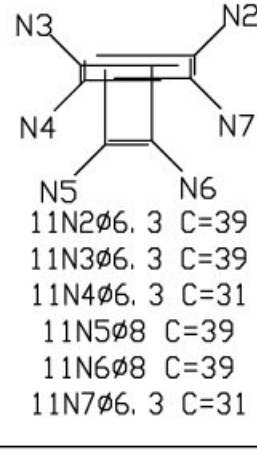
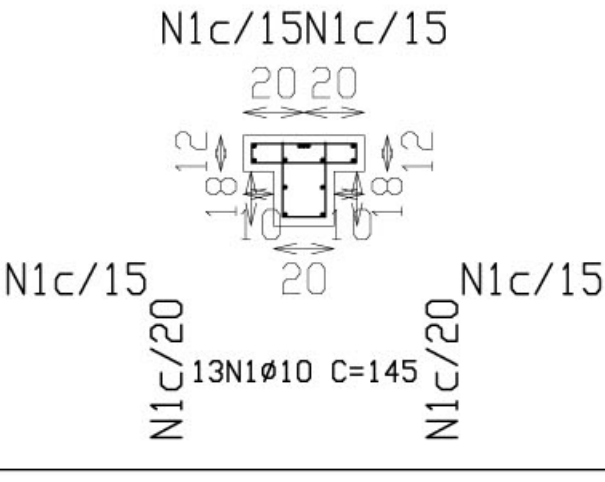


E

P27=P30=P32=P34=P37  
P39=P41

B

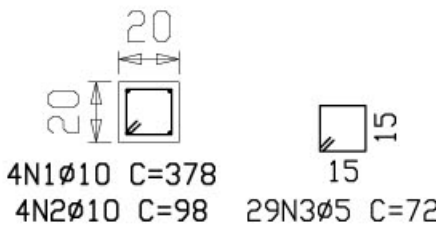
| Aço     | Pos. | Diam. | Q. | Comp.<br>(cm) | Total<br>(cm) | x 7<br>(cm) |
|---------|------|-------|----|---------------|---------------|-------------|
| CA-50-A | 1    | ø10   | 13 | 145           | 1885          | 13195       |
| '       | 2    | ø6.3  | 11 | 39            | 429           | 3003        |
| '       | 3    | ø6.3  | 11 | 39            | 429           | 3003        |
| '       | 4    | ø6.3  | 11 | 31            | 341           | 2387        |
| '       | 5    | ø8    | 11 | 39            | 429           | 3003        |
| '       | 6    | ø8    | 11 | 39            | 429           | 3003        |
| '       | 7    | ø6.3  | 11 | 31            | 341           | 2387        |



P43=P45=P47=P49=P51  
P52=P54=P56=P58

C

| Aço     | Pos. | Diam. | Q. | Comp.<br>(cm) | Total<br>(cm) | x 9<br>(cm) |
|---------|------|-------|----|---------------|---------------|-------------|
| CA-50-A | 1    | ø10   | 4  | 378           | 1512          | 13608       |
| '       | 2    | ø10   | 4  | 98            | 392           | 3528        |
| CA-60-B | 3    | ø5    | 29 | 72            | 2088          | 18792       |



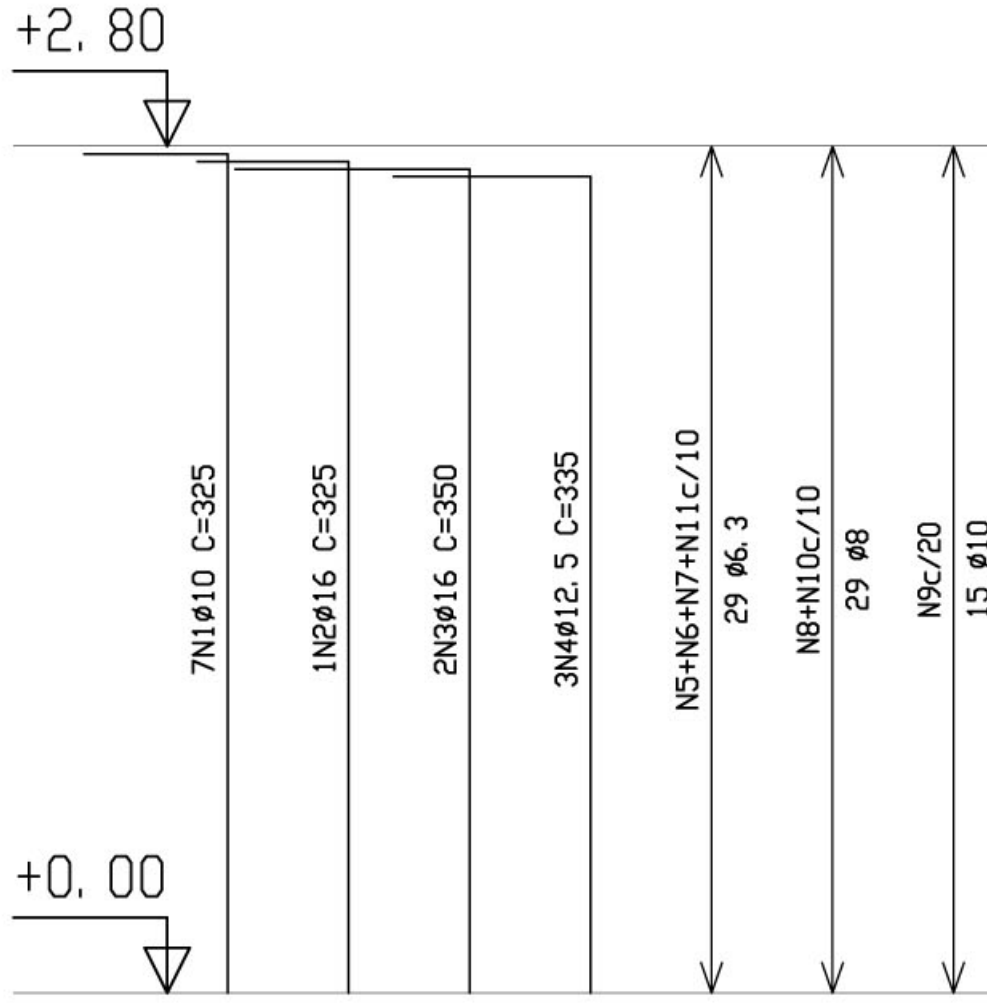
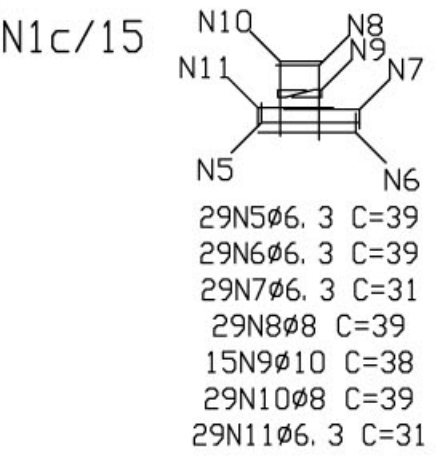
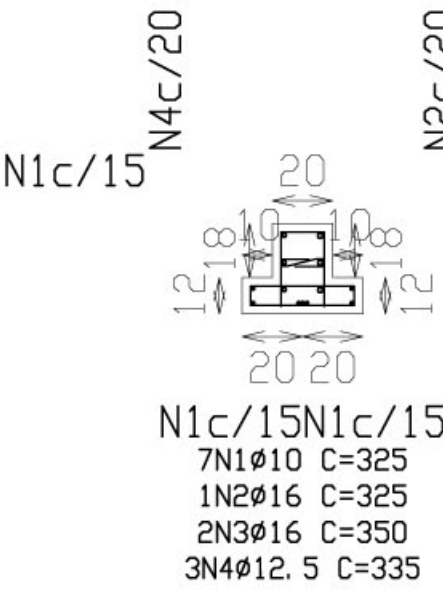
C+D+E+F+G+H

| Resumo Aço<br>TETO<br>Pilares e paredes | Comp. total<br>(m) | Peso+10%<br>(Kg) | Total |
|-----------------------------------------|--------------------|------------------|-------|
| CA-50-A ø6.3                            | 568.4              | 155              |       |
| ø8                                      | 327.5              | 141              |       |
| ø10                                     | 1222.1             | 844              |       |
| ø12.5                                   | 140.4              | 152              |       |
| ø16                                     | 112.8              | 195              | 1487  |
| CA-60-B ø5                              | 1070.1             | 185              | 185   |
| Total                                   |                    |                  | 1672  |

P2=P8=P11=P15

D

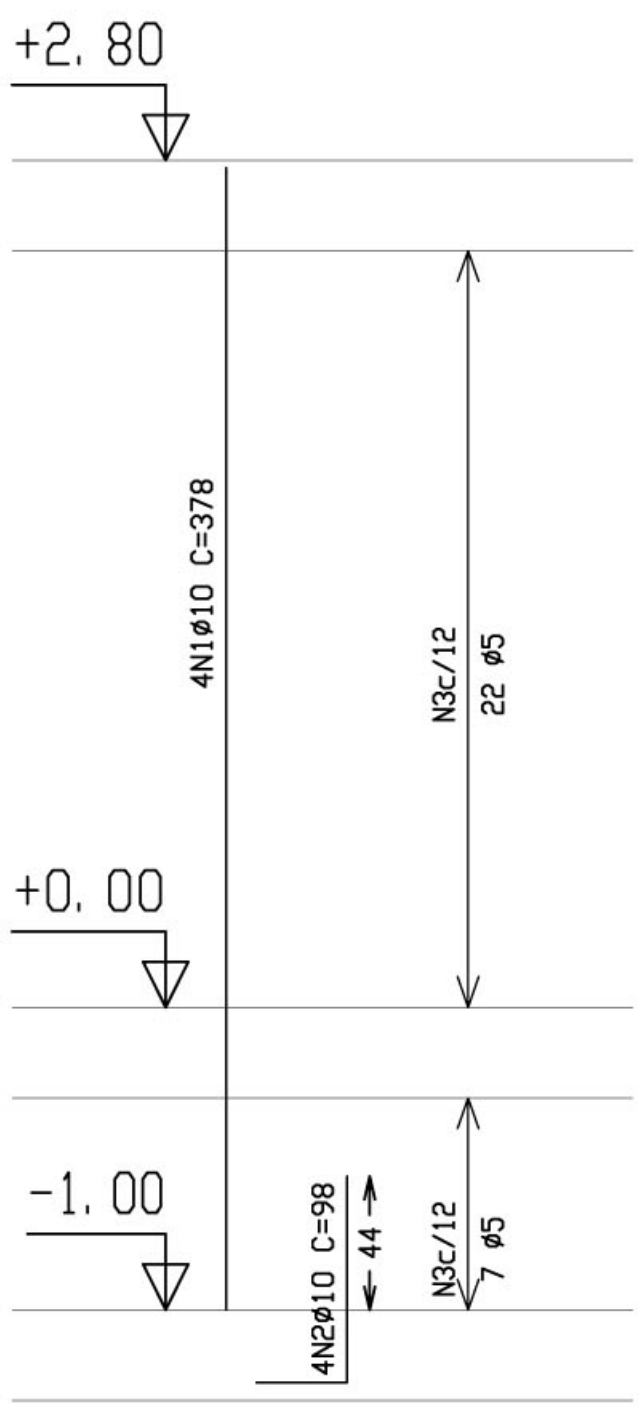
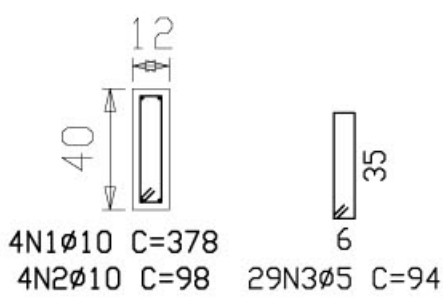
| Aço     | Pos. | Diam. | Q. | Comp.<br>(cm) | Total<br>(cm) | x 4<br>(cm) |
|---------|------|-------|----|---------------|---------------|-------------|
| CA-50-A | 1    | ø10   | 7  | 325           | 2275          | 9100        |
| '       | 2    | ø16   | 1  | 325           | 325           | 1300        |
| '       | 3    | ø16   | 2  | 350           | 700           | 2800        |
| '       | 4    | ø12.5 | 3  | 335           | 1005          | 4020        |
| '       | 5    | ø6.3  | 29 | 39            | 1131          | 4524        |
| '       | 6    | ø6.3  | 29 | 39            | 1131          | 4524        |
| '       | 7    | ø6.3  | 29 | 39            | 899           | 3596        |
| '       | 8    | ø8    | 29 | 39            | 1131          | 4524        |
| '       | 9    | ø10   | 15 | 38            | 570           | 2280        |
| '       | 10   | ø8    | 29 | 39            | 1131          | 4524        |
| '       | 11   | ø6.3  | 29 | 31            | 899           | 3596        |



P9=P10=P22=P21

F

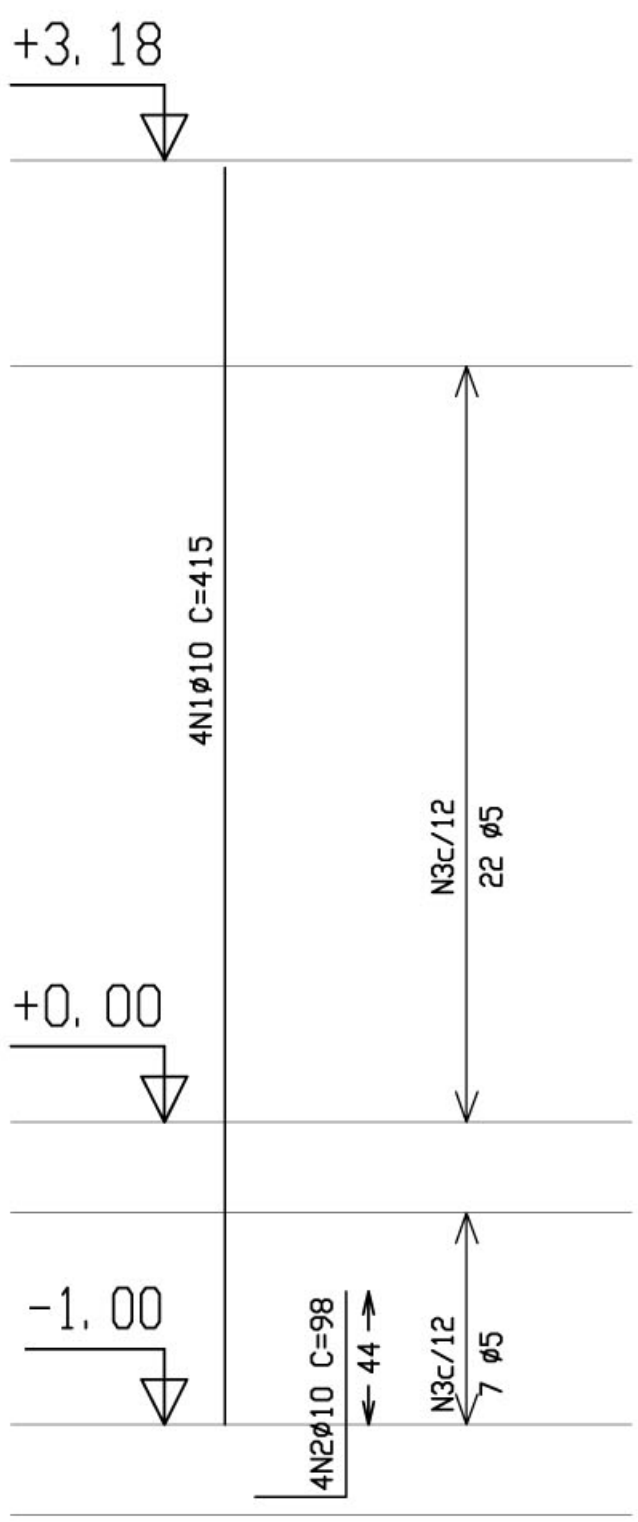
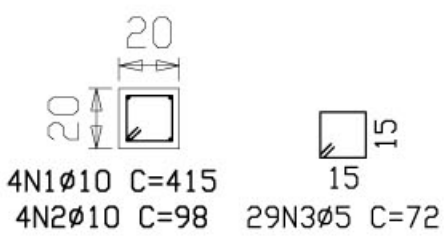
| Aço     | Pos. | Diam. | Q. | Comp.<br>(cm) | Total<br>(cm) | x 4<br>(cm) |
|---------|------|-------|----|---------------|---------------|-------------|
| CA-50-A | 1    | ø10   | 4  | 378           | 1512          | 6048        |
| '       | 2    | ø10   | 4  | 98            | 392           | 1568        |
| CA-60-B | 3    | ø5    | 29 | 94            | 2726          | 10904       |



G

P44=P46=P48=P50=P53  
P55=P57

| Aço     | Pos. | Diam. | Q. | Comp.<br>(cm) | Total<br>(cm) | x 7<br>(cm) |
|---------|------|-------|----|---------------|---------------|-------------|
| CA-50-A | 1    | ø10   | 4  | 415           | 1660          | 11620       |
| '       | 2    | ø10   | 4  | 98            | 392           | 2744        |
| CA-60-B | 3    | ø5    | 29 | 72            | 2088          | 14616       |



Ministério  
da Educação

FNDE  
Fundo Nacional  
de Desenvolvimento  
da Educação

ESPAÇO EDUCATIVO URBANO II - 06 SALAS DE AULA

ENDEREÇO: DIVERSOS  
PROPRIETÁRIO: FUNDO DE FORTALECIMENTO PARA A ESCOLA  
AUTOR DO PROJETO : MANOEL FERNANDO PEREIRA SANTOS

RESPONSÁVEL TÉCNICO:

PROPRIETÁRIO

AUTOR DO PROJETO

AUTOR DO PROJETO

RESP. TÉCNICO

DLFO

CREA

EST

PROJETO ESTRUTURAL

BLOCO PEDAGÓGICO  
DETALHE DE PILARES

FOLHA

13  
22

REVISÃO: 01-2006 DATA : ABRIL/2006 ESCALA : INDICADA DESENHO : VISTO: