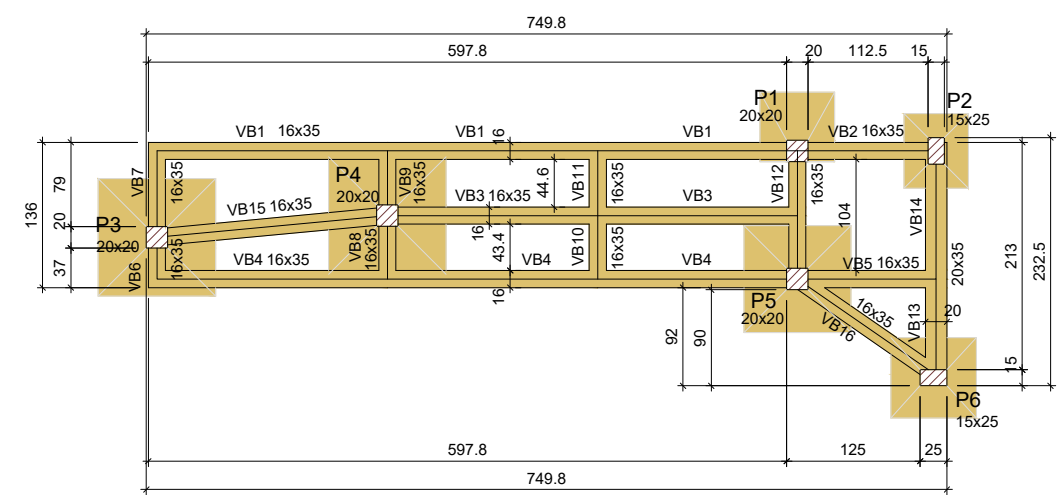
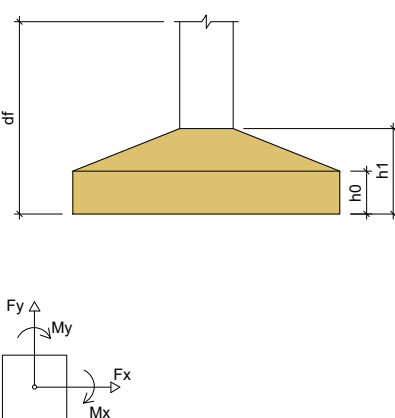


| Localização no eixo X | |
|-----------------------|--------|
| Coordenadas (cm) | Nome |
| 460.00 | P3 |
| 675.83 | P4 |
| 1059.75 | P1, P5 |
| 1187.25 | P6 |
| 1189.75 | P2 |



Forma do pavimento FUNDAÇÃO (Nível 0)

| Vigas | | | |
|-------|------------|---------------|------------|
| Nome | Seção (cm) | Elevação (cm) | Nível (cm) |
| VB1 | 16x35 | 0 | 0 |
| VB2 | 16x35 | 0 | 0 |
| VB3 | 16x35 | 0 | 0 |
| VB4 | 16x35 | 0 | 0 |
| VB5 | 16x35 | 0 | 0 |
| VB6 | 16x35 | 0 | 0 |
| VB7 | 16x35 | 0 | 0 |
| VB8 | 16x35 | 0 | 0 |
| VB9 | 16x35 | 0 | 0 |
| VB10 | 16x35 | 0 | 0 |
| VB11 | 16x35 | 0 | 0 |
| VB12 | 16x35 | 0 | 0 |
| VB13 | 20x35 | 0 | 0 |
| VB14 | 20x35 | 0 | 0 |
| VB15 | 16x35 | 0 | 0 |
| VB16 | 16x35 | 0 | 0 |



| Características dos materiais | |
|-------------------------------|-------------------------------|
| fck (kgf/cm ²) | Ecs (kgf/cm ²) |
| 250 | 241500 |


Dimensão máxima do agregado = 19 mm

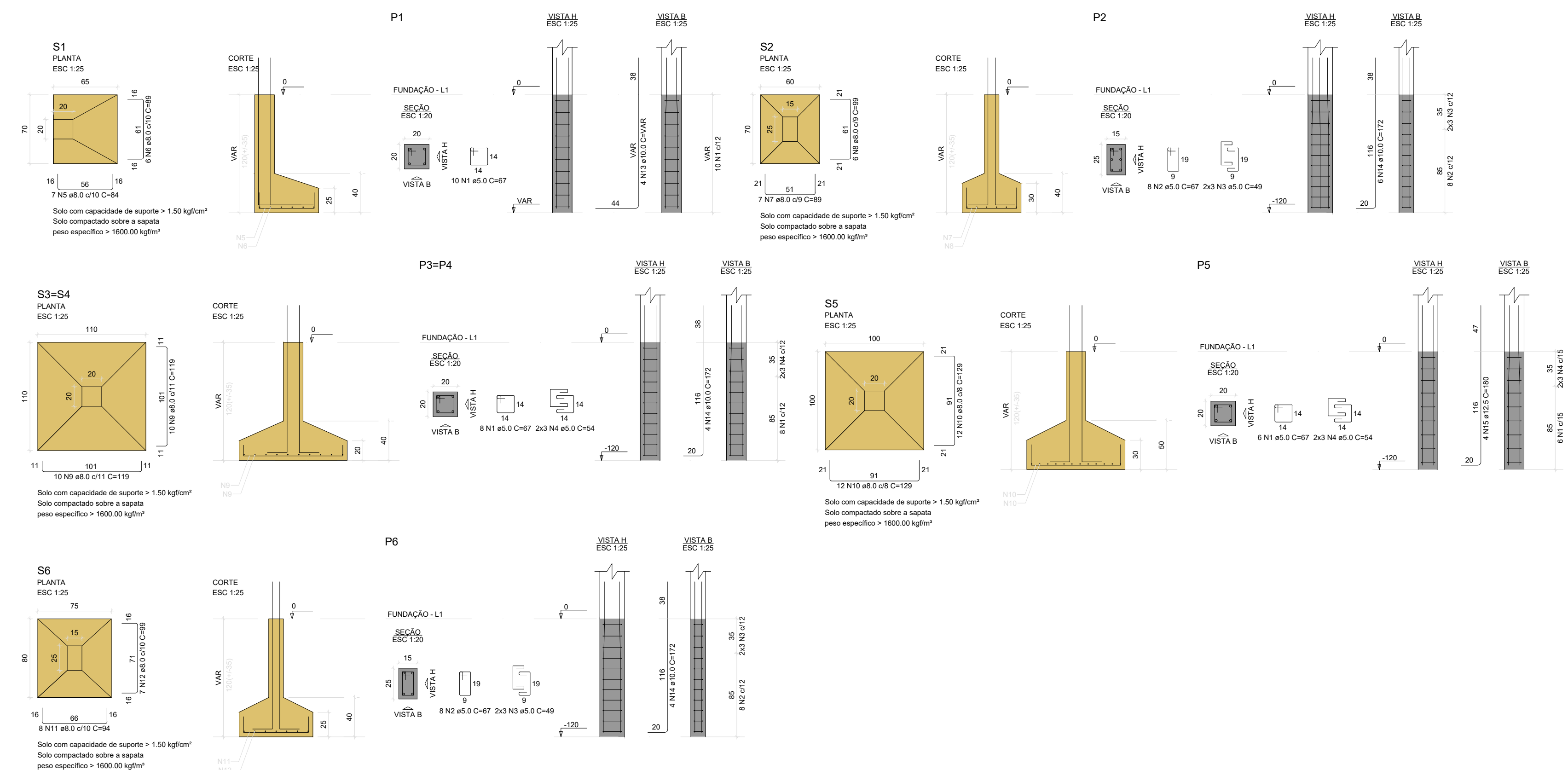
| | |
|-----|--------|
| 250 | 241500 |
|-----|--------|

Dimensão máxima do agregado = 19 mm

| Pilares | | | |
|---------|------------|---------------|------------|
| Nome | Seção (cm) | Elevação (cm) | Nível (cm) |
| P1 | 20x20 | 0 | 0 |
| P2 | 15x25 | 0 | 0 |
| P3 | 20x20 | 0 | 0 |
| P4 | 20x20 | 0 | 0 |
| P5 | 20x20 | 0 | 0 |
| P6 | 15x25 | 0 | 0 |

| Legenda dos pilares | |
|-------------------------------------------------------------------------------------|----------------------------|
|  | Pilar que passa |
|  | Pilar com mudança de seção |

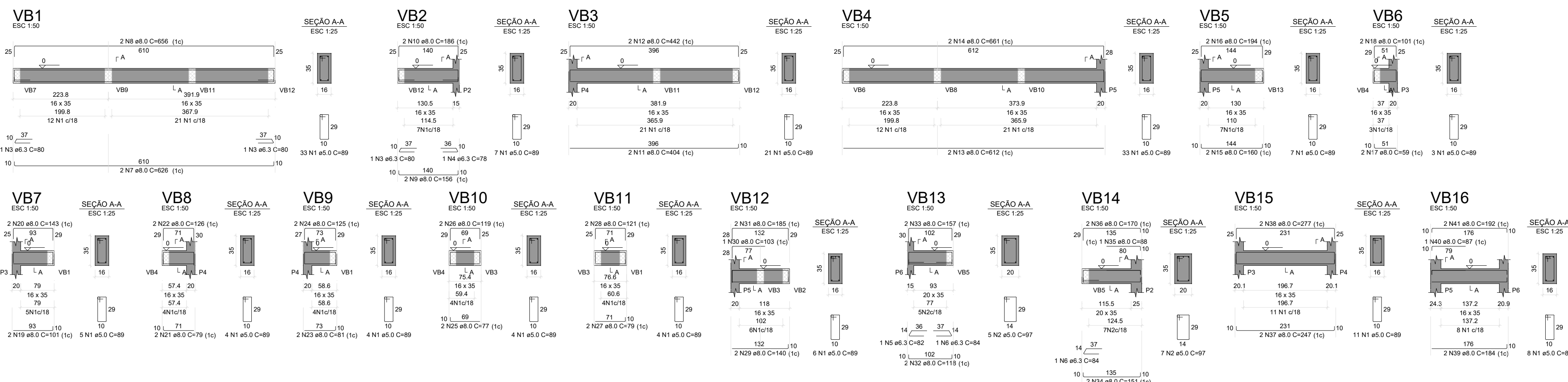
| | |
|-------------------------------------------------------------------------------------|------|
| Legenda das vigas e paredes | |
|  | Viga |



| RELAÇÃO DO AÇO | | | | | |
|----------------|------|-----------|-------|------------|-------------|
| P1 | P2 | | 2a/3 | | |
| P5 | P6 | | S1 | | |
| S2 | 2xS3 | | S5 | | |
| S6 | | | | | |
| AÇO | N | DIAM (mm) | QUANT | C.UNIT (m) | C.TOTAL (m) |
| CA60 | 1 | 5.0 | 32 | 87 | 2144 |
| | 2 | 5.0 | 16 | 87 | 1072 |
| CA50 | 1 | 5.0 | 12 | 49 | 588 |
| | 2 | 5.0 | 18 | 54 | 972 |
| | 5 | 8.0 | 7 | 84 | 588 |
| | 6 | 8.0 | 8 | 99 | 554 |
| | 7 | 8.0 | 7 | 89 | 623 |
| | 8 | 8.0 | 6 | 99 | 594 |
| | 9 | 8.0 | 40 | 119 | 4760 |
| | 10 | 8.0 | 24 | 129 | 3096 |
| | 10 | 8.0 | 8 | 94 | 752 |
| | 12 | 8.0 | 7 | 99 | 693 |
| | 13 | 10.0 | 4 | VAR | VAR |
| | 14 | 10.0 | 18 | 172 | 3096 |
| | 15 | 12.5 | 4 | 180 | 720 |

| RESUMO DO AÇO | | | |
|--------------------|--------------|----------------|--------------------|
| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 10% (kg) |
| CA50 | 8.0 | 118.4 | 50.5 |
| | 10.0 | 38.8 | 26.3 |
| | 12.5 | 7.2 | 7.6 |
| CA60 | 5.0 | 47.8 | 8.1 |
| PESO TOTAL (kg) | | | |

Volume de concreto (C-25) = 1.73 m³
Área de forma = 11.05 m²



| RELACÃO DO AÇO | | | | | | |
|----------------|-----|------|-------|--------|---------|-------|
| | | | VBL2 | VBL3 | VBL4 | VBL5 |
| | | | VBL6 | VBL7 | VBL8 | VBL9 |
| | | | VBL10 | VBL11 | VBL12 | VBL13 |
| | | | VBL14 | VBL15 | VBL16 | VBL17 |
| CA50 | N | DIAM | QUANT | C UNIT | C TOTAL | |
| 1 | 1 | 5,0 | 150 | 89 | 13350 | |
| 2 | 1 | 5,0 | 150 | 89 | 13350 | |
| 3 | 1 | 6,3 | 3 | 80 | 240 | |
| 4 | 1 | 6,3 | 3 | 80 | 240 | |
| 5 | 1 | 6,3 | 1 | 82 | 82 | |
| 6 | 1 | 6,3 | 1 | 84 | 84 | |
| 7 | 1 | 8,0 | 2 | 620 | 1252 | |
| 8 | 1 | 8,0 | 2 | 620 | 1252 | |
| 9 | 1 | 8,0 | 2 | 156 | 312 | |
| 10 | 1 | 8,0 | 2 | 156 | 312 | |
| 11 | 8,0 | 2 | 184 | 408 | 808 | |
| 12 | 8,0 | 2 | 184 | 408 | 808 | |
| 13 | 8,0 | 2 | 182 | 408 | 772 | |
| 14 | 8,0 | 2 | 182 | 408 | 772 | |
| 15 | 8,0 | 2 | 160 | 360 | 584 | |
| 16 | 8,0 | 2 | 160 | 360 | 584 | |
| 17 | 8,0 | 2 | 59 | 118 | 202 | |
| 18 | 8,0 | 2 | 101 | 101 | 202 | |
| 19 | 8,0 | 2 | 101 | 101 | 202 | |
| 20 | 8,0 | 2 | 143 | 143 | 286 | |
| 21 | 8,0 | 2 | 143 | 143 | 286 | |
| 22 | 8,0 | 2 | 128 | 128 | 256 | |
| 23 | 8,0 | 2 | 128 | 128 | 256 | |
| 24 | 8,0 | 2 | 75 | 75 | 150 | |
| 25 | 8,0 | 2 | 75 | 75 | 150 | |
| 26 | 8,0 | 2 | 119 | 119 | 238 | |
| 27 | 8,0 | 2 | 119 | 119 | 238 | |
| 28 | 8,0 | 2 | 121 | 121 | 242 | |
| 29 | 8,0 | 2 | 121 | 121 | 242 | |
| 30 | 8,0 | 1 | 103 | 103 | 206 | |
| 31 | 8,0 | 1 | 103 | 103 | 206 | |
| 32 | 8,0 | 2 | 118 | 118 | 236 | |
| 33 | 8,0 | 2 | 117 | 117 | 234 | |
| 34 | 8,0 | 2 | 151 | 151 | 302 | |
| 35 | 8,0 | 2 | 151 | 151 | 302 | |
| 36 | 8,0 | 2 | 170 | 170 | 340 | |
| 37 | 8,0 | 2 | 217 | 217 | 434 | |
| 38 | 8,0 | 2 | 277 | 277 | 554 | |
| 39 | 8,0 | 2 | 184 | 184 | 368 | |
| 40 | 8,0 | 1 | 87 | 87 | 174 | |
| 41 | 8,0 | 2 | 192 | 192 | 384 | |

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 10% (kg) |
|-----------------|-----------|-------------|-----------------|
| CA50 | 6.3 | 5.7 | 1.5 |
| | 8.0 | 145.4 | 63.1 |
| CA60 | 5.0 | 145.1 | 24.6 |
| PESO TOTAL (kg) | | | |
| CA50 | 64.6 | | |
| CA60 | 24.6 | | |

Volume de concreto (C-25) = 1.62 m³
Área de forma = 27.63 m²

Volume de concreto (C-25) = 1.62 m³
Área de forma = 27.63 m²