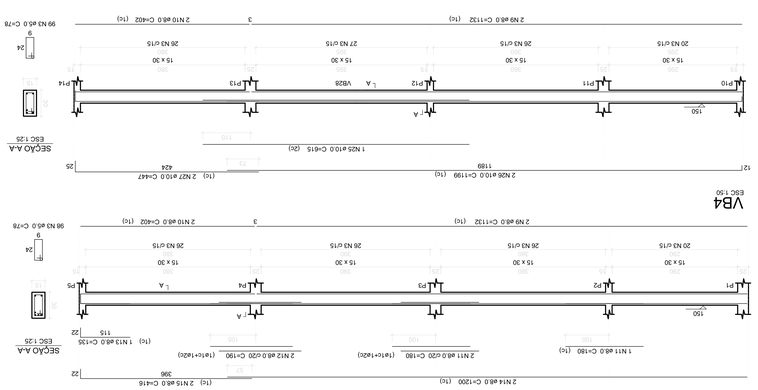
V B4
ESC 1:50
2 N26 ø10.0 C=1199 (t0)
1189
(t0) 2 N27 ø10.0 C=447
424
25
12
1 N25 ø10.0 C=615 (Z0)
2 N9 ø8.0 C=1132 (t0)
3
2 N10 ø8.0 C=402 (t0)
99 N3 ø5.0 C=78
24
9
SEÇÃO A-A
ESC 1:25
P10
P11
P12
P13
P14
150
15 x 30
20 N3 c/15
26 N3 c/15
27 N3 c/15
V B28
L A
7 A
ESC 1:25
4 N21 ø10.0 C=VAR
4 N20 ø10.0 C=VAR
4 N22 ø10.0 C=VAR
9 N1 ø12
VAR
9 N1 ø6.0 C=68
FUNDAÇÃO - L1
ESC 1:20
S12=S13
PLANTA
ESC 1:25
CORTE
ESC 1:25
2x6 N6 ø6.3 c/9 C=114
249 N7 ø6.3 c/9 C=104
Solo com capacidade de suporte > 4,00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600,00 kgf/m³
P57
4 N1 ø6.0 C=68
4 N23 ø10.0 C=VAR
4 N: ø12
ESC 1:25
B57
CORTE
ESC 1:50
150,00
100
15 N24 ø10.0 C=179
9 N24 ø10.0 C=179
9 N2 ø5.0 C=179
SEÇÃO
ESC 1:20
P49
P4
P3
P2
P14
8 N23 ø10.0 C=75
7 N22 ø10.0 C=75
6 N22 ø10.0 C=75
4 N20 ø10.0 C=75
4 N21 ø10.0 C=121
P5
P11
P10
P1
49 N1 ø6.0 C=68
49 N1 ø6.0 C=68
8 N24 ø12.5 C=94
6 N24 ø12.5 C=94
7 N1 ø6.0 C=68
6 N24 ø12.5 C=94
S2=S3=S4=S14=S49
PLANTA
ESC 1:25
CORTE
ESC 1:25
S3&4 N4 ø6.3 c/9 C=69
5 N5 ø6.3 c/9 C=94
Solo com capacidade de suporte > 4,00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600,00 kgf/m³
V B2
ESC 1:50
2 N14 ø8.0 C=1200 (t0)
390
(t0) 2 N15 ø8.0 C=416
22
10
2 N11 ø8.0 c/20 C=160 (t0/t=t/ø20)
2 N12 ø8.0 c/20 C=190 (t0/t=t/ø20)
1 N11 ø8.0 C=160 (t0)
1 N13 ø8.0 C=130 (t0)
100
115
P1
P2
P3
P4
P5
150
15 x 30
20 N3 c/15
26 N3 c/15
V B1
ESC 1:50
2 N9 ø8.0 C=1132 (t0)
3
2 N10 ø8.0 C=402 (t0)
98 N3 ø5.0 C=78
24
9
SEÇÃO A-A
ESC 1:25
P6
P7
P8
P9
V B3
ESC 1:50
2 N16 ø8.0 C=309 (t0)
18 N3 ø5.0 C=78
2 N17 ø8.0 C=325 (t0)
309
10
2 N18 ø8.0 C=335 (t0)
20
19 N3 c/15
SEÇÃO A-A
ESC 1:25
V B6
ESC 1:50
2 N19 ø8.0 C=659 (t0)
659
32
2 N19 ø8.0 C=309 (t0)
40 N3 ø5.0 C=78
19 N3 ø5.0 C=78
25 N3 c/15
SEÇÃO A-A
ESC 1:25
V B5
ESC 1:50
2 N28 ø10.0 C=199 (t0)
1189
(t0) 2 N27 ø10.0 C=447
424
25
12
1 N25 ø10.0 C=615 (Z0)
2 N9 ø8.0 C=1132 (t0)
3
2 N10 ø8.0 C=402 (t0)
99 N3 ø5.0 C=78
24
9
SEÇÃO A-A
ESC 1:25
P10
P11
P12
P13
P14
150
15 x 30
20 N3 c/15
26 N3 c/15
27 N3 c/15
V B28
L A
7 A
ESC 1:25
4 N21 ø10.0 C=VAR
4 N20 ø10.0 C=VAR
4 N22 ø10.0 C=VAR
9 N1 ø12
VAR
9 N1 ø6.0 C=68
FUNDAÇÃO - L1
ESC 1:20
S1=S5=S6=S7=S8=S9=S10=S11=S15=S16=S17
=S18=S19=S20=S21=S22=S23=S24=S25=S26
=S27=S28=S29=S30=S31=S32=S33=S34=S35
=S36=S37=S38=S39=S40=S41=S42=S43=S44
=S45=S46=S47=S48=S50=S51=S52=S53=S54
=S55=S56=S58=S59=S60=S61
PLANTA
ESC 1:25
CORTE
ESC 1:25
P6=P7=P8=P9=P15=P16=P17=P18=P19=P20=P21
=P31=P32=P33=P34=P35=P36=P37=P38=P39
=P22=P23=P24=P25=P26=P27=P28=P29=P30
=P40=P41=P42=P43=P44=P45=P46=P47=P48
=P50=P51=P52=P53=P54=P55=P56=P58=P59
=P60=P61
Relação do aço
B57 S13
S14 V B1 V B2
V B6 V B4 V B5
AÇO Ø (mm) N DIAM (Barras) QUANT (cm) UNIT (cm) C TOTAL (m)
CA60 1 5,0 542 68 368,56
CA50 2 5,0 9 179 16,11
3 5,0 293 78 228,54
4 6,3 424 89 377,36
5 6,3 316 99 313,62
6 6,3 40 94 37,60
CA60 7 6,3 53 104 55,12
8 6,3 4 114 4,56
9 8,0 4 1132 45,28
10 8,0 3 180 5,40
11 8,0 4 402 16,08
12 8,0 2 190 3,80
13 8,0 1 135 1,35
14 8,0 2 1200 24,00
15 8,0 2 416 8,32
16 8,0 6 309 18,54
17 8,0 2 325 6,50
18 8,0 4 335 13,40
19 8,0 2 659 13,18
20 10,0 22 VAR VAR
21 10,0 224 VAR VAR
22 10,0 14 75 1,05
23 10,0 4 VAR VAR
24 10,0 15 100 1,50
25 10,0 1 615 6,15
26 10,0 2 1199 23,98
27 10,0 2 447 8,94
28 10,0 2 VAR VAR
29 12,5 6 VAR VAR
30 12,5 12 94 11,28
31 16,0 8 121 9,68
Resumo do aço
AÇO DIAM C.TOTAL PESO + 10 % PESO (kg) C.TOTAL DIAM AÇO
CA50 8,0 155,9 67,6 CA50 6,3 802,2 216,2
12,5 21,2 22,4
10,0 45/7,1 31,0
CA60 16,0 9,7 16,8 CA60 5,0 613,3 19,4
CA60 633
Volume de concreto (C-25) = 12,29 m³
Área de forma = 123,15 m²
Solo com capacidade de suporte > 4,00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600,00 kgf/m³
150
100
100
100