

Solo com capacidade de suporte  $> 1.50 \text{ kgf/cm}^2$   
Solo compactado sobre a sapata  
peso específico  $> 1600.00 \text{ kgf/m}^3$

[illegible]

16 16

15 15

30 30

66 66

16 16

76 76

16 16

4x8 N16 ø8.0 c/10 C=94

4x7 N16 ø8.0 c/10 C=104

Solo com capacidade de suporte > 1.50 kg/cm²

Solo compactado sobre a sapata

peso específico > 1600.00 kg/m³

16 16  
15 30  
81  
7 N21 ø8.0 c/10 C=109  
16 16  
66  
9 N15 ø8.0 c/10 C=94

Solo com capacidade de suporte > 1.50 kg/cm<sup>2</sup>  
Solo compactado sobre a sapata  
peso específico > 1600.00 kg/m<sup>3</sup>

VAR  
(150 (+/-35))

25

40

N11  
N12

FUNDAÇÃO - L1

SEÇÃO  
ESC 1:20

35

35

VISTA H

29

29

8 N1 ø5.0 C=127 2x2 N2 ø5.0 C=99

VISTA B

50

100

446

4 N27 ø12.5 C=210

20

120

ø12.5

ø12.5

20

FUND. L1

SEÇÃO  
ESC 1:20

15  
30  
VISTA H  
VISTA B

24  
9  
24  
9  
N6

10 N4 ø5.0 C=77 2x3 N5 ø5.0 C=54  
10 N6 ø5.0 C=24  
3 N6 ø5.0 C=24

50  
38  
30  
120  
146  
6 N26 ø10.0 C=202  
20  
-100

**FUNDAÇÃO - L1**

**SEÇÃO ESC 1:20**

**VISTA H**

**VISTA B**

15

30

24

9

24

9

N6

10 N4 ø5.0 C=77 2x3 N5 ø5.0 C=54  
10 N6 ø5.0 C=24  
3 N6 ø5.0 C=24

50

38

30

146

6 N25 ø10.0 C=202  
2x2 N6 ø24.0 C=24

120

20

100

FUNDAÇÃO - L1

SEÇÃO  
ESC 1:20

72

38

146

20

52

98

7.2

7.8

15

30

VISTA H

VISTA B

9 N4 ø5.0 C=77

2x5 N5 ø5.0 C=54

4 N26 ø10.0 C=202

2x5 N5 ø12

9 N4 ø12

**FUND. L1**

**SEÇÃO**  
ESC 1:20

VISTA A

VISTA B

15  
30

8 N4 ø5.0 C=77 2x5 N5 ø5.0 C=54

24  
9

24  
9

38  
146  
108

4 N25 ø10.0 C=202

20  
-70

Technical drawing of a foundation system (FUNDAÇÃO - L1) showing cross-sections and elevations.

The drawing includes a plan view (VISTA B) and two elevation views (SEÇÃO).

**Plan View (VISTA B):** Shows a rectangular foundation with overall dimensions 15 and 30. A central rectangular opening has dimensions 9 and 24. The drawing is labeled with "VISTA B" and "3x10 N4 ø5.0 C=776x3 N5 ø5.0 C=54".

**Elevation Views (SEÇÃO):** Shows the foundation's profile with dimensions 50, 38, 146, 20, and 120. The drawing is labeled with "SEÇÃO" and "ESC 1:20".

The drawing is labeled with "FUNDAÇÃO - L1" and "ESC 1:25".

16

15

30

86

16

71

16

8 N22 ø8.0 c/10 C=114

Solo com capacidade de suporte > 1.50 kg/cm<sup>2</sup>

Solo compactado sobre a sapata peso específico > 1600.00 kg/m<sup>3</sup>

The technical drawing shows a square tile with overall dimensions of 60 cm by 75 cm. The central rectangular area has dimensions of 51 cm by 30 cm. The four corner triangles are defined by lines connecting the midpoints of the sides to the corners. A secondary set of dimensions on the right indicates a total height of 66 cm (21 cm + 45 cm) and a width of 61.04 cm (21 cm + 40 cm). Below the drawing, the following specifications are listed:

- Solo com capacidade de suporte > 1.50 kg/cm<sup>2</sup>
- Solo compactado sobre a sapata
- peso específico > 1600.00 kg/m<sup>3</sup>
- C-89

Technical drawing showing the cross-section (SEÇÃO) and two views (VISTA A and VISTA B) of a foundation wall (FUNDAÇÃO - L1).

**SEÇÃO (Cross-section):** Shows a wall with a total height of 120 cm, divided into a top section of 30 cm and a bottom section of 90 cm. The wall has a width of 15 cm. The reinforcement consists of 10 N4 bars at the top and 2x3 N5 bars at the bottom. The section is labeled "FUNDAÇÃO - L1" and "SEÇÃO. ESC 1:20".

**VISTA A (Top View):** Shows the wall from the top, with dimensions 15 cm (width) and 30 cm (height). The reinforcement is shown as 10 N4 bars at the top and 2x3 N5 bars at the bottom. The view is labeled "VISTA A".

**VISTA B (Bottom View):** Shows the wall from the bottom, with dimensions 15 cm (width) and 30 cm (height). The reinforcement is shown as 10 N4 bars at the top and 2x3 N5 bars at the bottom. The view is labeled "VISTA B".

**Reinforcement Details:**

- Top reinforcement: 10 N4  $\phi$  5.0 C=77
- Bottom reinforcement: 2x3 N5  $\phi$  5.0 C=54

**Dimensions and Annotations:**

- Top section height: 30
- Bottom section height: 90
- Wall width: 15
- Reinforcement spacing: C=77 (top), C=54 (bottom)
- Reinforcement bars: 10 N4  $\phi$  5.0, 2x3 N5  $\phi$  5.0
- Foundation label: FUNDAÇÃO - L1
- Section label: SEÇÃO. ESC 1:20
- View labels: VISTA A, VISTA B

FUNDAÇÃO - L1

SEÇÃO  
ESC 1:20

15  
9  
24  
9  
24  
9

VISTA H

VISTA B

10 N4 ø5.0 C=77 2x3 N5 ø5.0 C=54

50  
38  
148  
20  
100  
30  
120

4 N26 ø10.0 C=202  
2x3 N5 ø12  
10 N4 ø12

**CORTE ESC 1:25**

VAR 150(+/-35)

50

30

40

N9  
N10

**FUNDAÇÃO - L1**

**SEÇÃO ESC 1:20**

15

30

VISTA A

VISTA B

10 N4 ø5.0 C=77 2x3 N5 ø5.0 C=54

24

9

24

9

**ESC 1:25**

50

38

146

20

120

4 N26 ø10.0 C=202

-100

Technical drawing of a rectangular plate with the following specifications:

- Overall dimensions: 115.4 x 30
- Top edge: 24 (left), 124 (center), 19 (right)
- Left edge: 24 (top), 15 (bottom)
- Right edge: 10 (bottom)
- Holes:
  - Top center: 2 N13 Ø5.0 C=163 (1c)
  - Bottom center: 2 N13 Ø5.0 C=140 (1c)
  - Left side: V10, 8 N7 Ø15
  - Right side: P9, 8 N7 Ø5.0 C=7
- Internal dimensions: 115.4, 14 x 30, 115.3
- Other labels: A, A, 50, 30, 14, 24, 8

Technical drawing of a mechanical part, likely a bracket or support, showing front and side views with dimensions.

**Front View Dimensions:**

- Overall width: 216
- Base width: 192.3
- Base thickness: 10
- Top flange thickness: 14
- Distance from left edge to center of V9 hole: 50
- Distance from center of V9 hole to center of A hole: 14 x 30
- Distance from center of A hole to center of P4 hole: 178.3
- Distance from center of P4 hole to right edge: 30
- Top flange width: 12 N7 c/15

**Side View Dimensions:**

- Height: 30
- Base width: 14

**Detail View Dimensions:**

- Hole diameter: 8
- Distance from edge to hole center: 24

**Part Specifications:**

- Material: 2 N20 88.0 C=236 (1c)
- Material: 2 N19 68.0 C=224 (1c)
- Material: 12 N7 85.0 C=7

S7	S11	S12	S14		
ÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	8	127	1016
	2	5.0	4	99	396
	3	5.0	3	315	945
	4	5.0	117	77	9009
CA50	5	5.0	80	54	4320
	6	5.0	26	24	624
	7	5.0	44	75	3300
	8	8.0	10	94	940
	9	8.0	24	89	2136
	10	8.0	10	184	1872
	11	8.0	24	84	2016
	12	8.0	27	99	2673
	13	8.0	2	140	280
	14	8.0	2	163	326
	15	8.0	41	94	3854
	16	8.0	28	104	2912
	17	8.0	2	381	762
	18	8.0	2	415	830
	19	8.0	2	224	448
	20	8.0	2	238	476
	21	8.0	7	109	763
	22	8.0	8	114	912
	23	10.0	8	157	1256
	24	10.0	11	147	1617
	25	10.0	8	89	712
	26	10.0	52	202	10504
	27	12.5	4	210	840

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	212	92
	10.0	140.9	95.6
	12.5	8.4	8.9
CA60	5.0	196.1	33.2
PESO TOTAL (kg)			
CA50	196.5		
CA60	33.2		

VOLUME de concreto (C-25) = 3.57 m³  
 Área de forma = 29.25 m²

ESCALA: INDICADA	DATA: JUL/2025	DESENHISTA: WAGNER DARY
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1 / 11

ASSUNTO: Moldados in loco do pavimento FUNDAÇÃO