

Figure 10 shows the reinforcement details for a column. The plan view (top) and section view (bottom) illustrate the reinforcement layout. The plan view shows a square column with a dashed outer boundary and a solid inner boundary. Reinforcement is indicated by arrows pointing to the bars. The section view shows the column's profile with reinforcement bars and stirrups. Dimensions are provided in millimeters (mm).

Plan View Dimensions:

- Overall width: 144 mm
- Overall height: 144 mm
- Reinforcement: 8 N1/N2 (horizontal), 8 N3 (vertical)

Section View Dimensions:

- Overall width: 144 mm
- Overall height: 144 mm
- Reinforcement: 8 N1 #8.0 c/20 C-WAR (horizontal), 8 N2 #8.0 c/20 C-WAR (vertical)

Technical drawing of a circular column cross-section and elevation.

Cross-section details:

- Circle diameter: DN 200
- Outer square frame dimensions: 242 x 242 mm
- Reinforcement bars: 4 N1/N2, 2x N3, 7 N4/N5, N6, N7, N8

Elevation details:

- Column height: 9 m
- Reinforcement bars: 7 N1 #8.0 c/20 C=VAR, 7 N2 #8.0 c/20 C=VAR, 7 N3 #8.0 c/20 C=VAR, 7 N4 #8.0 c/20 C=VAR, 7 N5 #8.0 c/20 C=VAR
- Base section cut: 60, 40, 9

- CONFERIR MEDIDAS NO LOCAL.
- EM CASO DE DÚVIDAS CONSULTAR OS PROJETISTAS.
- O FUNDO DA CAIXA DE INSPEÇÃO DEVERÁ SER REGULARIZADO, DE ACORDO COM OS NÍVEIS DE PROJETO E EM SEGUIDA PREENCHIDO COM CONCRETO MAGRO.

PAREDE 4 – CX. DE INSPEÇÃO 4					
50	1	8,0	7	365	2555
50	2	8,0	7	318	2220
50	3	8,0	14	VAR	1896
50	4	8,0	7	VAR	1100
50	5	8,0	7	VAR	777
50	6	8,0	14	242	3388
50	7	8,0	14	VAR	1330
50	8	8,0	14	VAR	1650

PAREDE 1 = PAREDE 2 – CX. DE INSPEÇÃO 5 (x2)					
50	1	8,0	16	374	5984
50	2	8,0	16	327	5232
50	6	8,0	60	242	14520

PAREDE 3 – CX. DE INSPEÇÃO 5					
50	1	8,0	7	374	2618
50	2	8,0	7	327	2287
50	3	8,0	14	VAR	2016
50	4	8,0	7	VAR	1106
50	5	8,0	7	VAR	777
50	6	8,0	14	242	3388
50	7	8,0	14	VAR	1330
50	8	8,0	14	VAR	1050

PAREDE 4 – CX. DE INSPEÇÃO 5					
50	1	8,0	11	374	4114
50	2	8,0	11	327	3594
50	3	8,0	6	VAR	1218
50	4	8,0	6	VAR	148
50	5	8,0	22	242	5324
50	6	8,0	6	VAR	738
50	7	8,0	6	VAR	619

TABELA DE FERROS			
AÇO	Ø (mm)	COMPR. (m)	PESO (Kg) + 10%
50	5,0	61,6	9,5
50	8,0	1425,3	611,4
50	10,0	81,2	50,0
50	12,5	169,0	184,0
TOTAL GERAL			854,9
ÁREA TOTAL DE FORMAS (m ²)			123,02
VOLUME TOTAL DE CONCRETO (m ³)			10,53

The drawing consists of two main views: a top view (plan) and a side view (elevation).

Top View (Plan):

- Overall Dimensions:** 144 (width) x 162 (length). Reinforcement is specified as 7 N1 #8.0 c/20 C=162.
- Internal Dimensions:** 108 (width) x 126 (length). Reinforcement is specified as 3 N2 #8.0 c/20 C=126.
- Reinforcement Details:**
 - N1:** Top horizontal bars.
 - N2:** Bottom horizontal bars.
 - N3:** Vertical bars.
 - N4:** Diagonal bars.
 - N5:** Diagonal bars.
 - N6:** Diagonal bars.
 - N7:** Diagonal bars.
 - N8:** Diagonal bars.
 - N9:** Diagonal bars.

Side View (Elevation):

- Overall Dimensions:** 144 (width) x 162 (length). Reinforcement is specified as 4 N2 #10.0 C=126.
- Internal Dimensions:** 108 (width) x 126 (length). Reinforcement is specified as 3 N2 #8.0 c/20 C=126.
- Reinforcement Details:**
 - N1:** Top horizontal bars.
 - N2:** Bottom horizontal bars.
 - N3:** Vertical bars.
 - N4:** Diagonal bars.
 - N5:** Diagonal bars.
 - N6:** Diagonal bars.
 - N7:** Diagonal bars.
 - N8:** Diagonal bars.
 - N9:** Diagonal bars.

Legend:

- : Ferro Negativo
- : Ferro Positivo

[illegible]

Technical drawing showing a square with an inscribed circle. A second square is rotated 45 degrees and inscribed within the first square. The center of the circle is marked with a cross. A dimension line indicates the radius of the circle is 100/100. The drawing is labeled with dimensions: 2x24 N1, 12.5, C=176.

3 N2 $\phi 5.0$
c/12 C=13

31 31

3 N3 $\phi 5.0$ c/12 C=210

49 49


9 24 9

0	09/12	EMIÇÃO				
No.	Date	Discriminação	Verificação	Aprovação	No. Documento	Títulos
		Revisões				Documentos de Referência



COORDENADOR PROJ. ENG. 002-001	06/12	PROJ. DCS.	ROYZNER	ALBERCA									
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		Juliano Demarche CREA n° 1.129.987/D-SC											
		Porfírio J. Borges Alves Neto CREA n° 7.792/D-60											
COORDENADOR PROJ. ENG. 002-001		IDENTIFICAÇÃO											
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COMETENTE:		CONTÉUDO:	SISTEMA DE CATAGORAMENTO SANITÁRIO PROJETO EXECUTIVO
PARTECIPIANTE:			
COROL:			
GENICOL:			
RESPONSÁVEL:	ernando Vaz de Ulhoa		
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		ORDEM: _____ NÚMERO DE ORDEM: _____ HISTÓRICO (se aplicável): _____ ESCALA: _____ 1: _____ TOLHA: _____ 4: _____ NÚMERO DO ARQUIVO: _____	