

Technical drawing of a mechanical part, showing a side view and a cross-section view (Corte A).

**Side View Dimensions:**

- Top flange: 20/40 (width/height), 13 N3 5/15 (hole pattern), 2  $\varnothing 10$  (hole diameter).
- Vertical section: 2  $\varnothing 10$  (hole diameter).
- Bottom flange: 223 (width), 2 N1  $\varnothing 10$  C=283 (hole pattern), 30 (height), 225 (width), 2 N2  $\varnothing 10$  C=255 (hole pattern), 30 (height).
- Section line A-A is indicated.

**Corte A (Cross-section View):**

- Shows the internal profile of the part.
- Dimensions: 14 (height), 3 (thickness), 2  $\varnothing 10$  (hole diameter).

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The drawing illustrates a cable tray system with the following components and dimensions:

- Top View:** Shows the layout of the cable tray with various cable runs and dimensions. Key dimensions include 20/40, 20/60, and 20/40. Cable specifications include N9 C/15 (7  $\phi$  5), N10 C/10 (45  $\phi$  5), N11 C/15 (7  $\phi$  10), N12 C/10 (18  $\phi$  8), N13 C/15 (26  $\phi$  6.3), N10 C/15 (11  $\phi$  5), and N9 C/15 (7  $\phi$  5). Tray dimensions are 4  $\phi$  12.5, 2x3  $\phi$  5, 7  $\phi$  20, 2  $\phi$  16, 2x3  $\phi$  6.3, 4  $\phi$  16, 1  $\phi$  6.3, and 2  $\phi$  8. Section lines A-A, B-B, and C-C are indicated.
- Side View:** Shows the vertical profile of the cable tray with dimensions 30, 466, 305, 249, 217, 49, 110, 560, 940, and 10. Cable specifications include 4 N1  $\phi$  12.5 (C=496), 7 N3  $\phi$  20 (C=680, 3  $\phi$  20CAM, 1  $\phi$  30CAM), 4 N4  $\phi$  16 (C=335), 2 N2  $\phi$  8 (C=355), 1 N8  $\phi$  6.3 (C=110), 2x3 N14  $\phi$  5 (C=574), 2x3 N15  $\phi$  6.3 (C=785), 2 N5  $\phi$  8 (C=120), and 2 N6  $\phi$  16 (C=585), 4 N7  $\phi$  16 (C=965). Section lines A-A, B-B, and C-C are indicated.

Technical drawing of a reinforced concrete beam cross-section and longitudinal section.

**Corte A** (Cross-section):

- Dimensions: 20/60
- Reinforcement: 3 N1 ø 12.5 C=507, 3 N2 ø 12.5 C=511, 3 N3 ø 20 C=620, 4 N4 ø 12.5 C=780, 96 N5 ø 5 C=151

**Corte B** (Cross-section):

- Dimensions: 20/60
- Reinforcement: 3 N1 ø 12.5 C=507, 3 N2 ø 12.5 C=511, 3 N3 ø 20 C=620, 4 N4 ø 12.5 C=780, 96 N5 ø 5 C=151

[illegible]

LAJES	VIGAS	PILARES	FUNDAÇÕES
2,5	3,0	3,0	3,0


	AÇO	POS	BIT	QUANT	COMPIMENTO	
					UNIT	TOTAL
			mm		cm	cm
V6	50A	1	10	4	240	960
	50A	2	20	2	885	1770
	50A	3	16	3	594	1782
	50A	4	20	2	305	610
	50A	5	10	4	455	1820
	50A	6	16	4	1040	4160
	50A	7	16	2	160	320
	60B	8	5	26	151	3926
	50A	9	6,3	65	152	9880
V7	50A	1	8	2	340	680
	50A	2	16	3	260	780
	50A	3	10	2	590	1180
	50A	4	10	2	440	880
	60B	5	5	35	121	4235
V8	50A	1	10	2	283	566
	50A	2	10	2	255	510
	60B	3	5	13	111	1443
V9	50A	1	12,5	4	496	1984
	50A	2	8	2	355	710
	50A	3	20	7	680	4760
	50A	4	16	4	335	1340
	50A	5	8	4	120	480
	50A	6	16	2	585	1170
	50A	7	16	4	965	3860
	50A	8	6,3	1	110	110
	60B	9	5	14	111	1554
	60B	10	5	54	165	8910
	50A	11	10	7	173	1211
	50A	12	8	18	168	3024
	50A	13	6,3	26	166	4316
	60B	14	5	6	574	3444
		50A	15	6,3	6	785
V10	50A	1	8	2	163	326
	50A	2	8	2	132	264
	60B	3	5	7	101	707
V11	50A	1	8	2	168	336
	60B	2	5	2	132	264
	60B	3	5	7	101	707
V12	50A	1	12,5	3	607	1821
	50A	2	12,5	3	511	1533
	50A	3	20	3	620	1860
	50A	4	12,5	8	780	6240
	60B	5	5	96	151	14496
V13	50A	1	8	2	220	440
	50A	2	8	2	232	464
	60B	3	5	11	101	1111

RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
60B	5	408	63
50A	6,3	190	47
50A	8	67	27
50A	10	71	44
50A	12,5	113	109
50A	16	134	212
50A	20	90	222
Peso Total	60B =		63 kgf
Peso Total	50A =		659 kgf

REVISÃO			
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EMISSION INICIAL		22/06/2024	EMITIDO PARA COMENTÁRIOS


**SAMAE**  
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