

Technical drawing of a reinforced concrete slab (Fig. 10). The drawing shows a cross-section and a plan view. The cross-section dimensions are: total width 180, total height 105, top flange thickness 40, and bottom flange thickness 32. The plan view shows a rectangular slab with a central rectangular opening of width 120 and height 40. The slab is supported by two columns. Reinforcement details include: 4 N3 with Ø 22 C=194 at the top, 7 N3 with Ø 16 C=240 at the bottom, and 2 N3 with Ø 16 C=240 at the bottom corners. The slab is labeled 'CA - 20'.

Technical drawing of a rectangular plate with the following dimensions and specifications:

- Overall width: 190
- Overall height: 100
- Inner width (between vertical lines): 144
- Inner height (between horizontal lines): 80
- Radius of the two circular holes: $R\phi$
- Distance from the left edge to the center of the first hole: 45
- Distance from the center of the first hole to the center of the second hole: 45
- Material specification: 4 N1 all 0 C235
- Material specification: 4 N2 all 0 C-560

Technical drawing of a 3D part. The part is a rectangular block with a central rectangular cutout. The dimensions are: 103 (total width), 94 (total height), and 90 (cutout width). The cutout is 3 units deep. The part is labeled with '8 N4 a8.0 c/25 C=256'.

RELAÇÃO DO AÇO					
B9		9x10			
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CARGO	1	8,0	40	236	944
	2	8,0	40	560	2240
	3	8,0	40	104	416
	4	8,0	80	266	2128
	5	8,0	80	240	1920
	6	10,0	8	230	1840

RESUMO DO AÇO					
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	UNIT	PESO + 10% (kg)
CASO	8.0	802.4	74	12 m	348.3
	10.0	12	2	12 m	8.1
PESO TOTAL (kg)					
CASO		356.4			

Volume de concreto (C-30) = 10.24 m³
Área de forma = 31.90 m²

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