

Technical drawing of a rectangular plate. The plate has a width of 25 and a height of 45. It features a central rectangular hole with a width of 10 and a height of 10. The hole is positioned such that its center is 10 units from the top and bottom edges and 5 units from the left and right edges. The plate is labeled with 'N12' at the top and bottom corners and 'N12' at the left and right corners. A dimension line indicates the height of 45 on the right side, and another dimension line indicates the width of 25 at the bottom. A small square symbol is located at the top-left corner of the plate. A separate dimension line indicates the width of 10 for the central hole.

20 N1 ø6.3 C=152
20 N2 ø6.3 C=41

Relação das alças de içamento				
Qtde.	Aço	ø (mm)	C. Anc. (cm)	C. Unit. (cm)
2	ASTM A36	10	47	138

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Technical drawing of a rectangular plate. The main view shows a rectangle with dimensions 25 (width) and 45 (height). A detail view of the top-left corner is shown above the main view, indicating a fillet radius of R20 at the corners and a chamfer of N20 on the top edge. A dimension line indicates a distance of 15 N1 ϕ 6.3 C=152 from the top edge to the center of the detail view. A dimension line indicates a distance of 15 N2 ϕ 6.3 C=41 from the left edge to the center of the detail view. A dimension line indicates a distance of 45 from the top edge to the bottom edge of the main view. A dimension line indicates a distance of 25 from the left edge to the right edge of the main view. A dimension line indicates a distance of N2 from the center of the detail view to the right edge of the main view.

Relação das alças de içamento				
Qlde.	Aço	ϕ (mm)	C. Anc. (cm)	C. Unit. (cm)
2	ASTM A36	10	47	138

DET-1
ESC 125

1x20mm 1x20mm

N3 N5

29.5 20 20 20

5 N3 ø6.3 x10 C=VAR
VAR

5 N3 ø6.3 x10 C=VAR
VAR

2 N5 ø6.3 x10 C=VAR
VAR

3 N15 ø16.0 C=161

3 N21 ø16.0 C=159

18 44 42 41 44 18

25 31 31 25

3/16" NPT x 3/8"

DET-2
ESC 125

1x20mm 1x20mm

N5 N10

29.5 20 20 20

5 N10 ø6.3 x10 C=VAR
VAR

5 N10 ø6.3 x10 C=VAR
VAR

2x2 N5 ø6.3 x10 C=VAR
VAR

3 N22 ø16.0 C=218

18 84 18

25 31 31 25

3/16" NPT x 3/8"

DETALHAMENTO DOS PILARES P45-46-47-48-49-50-51-56-57-58-59
60-61-62-65-66-67-68-69-70-71-74-75-76-77-78-79-80

RELACÃO DO AÇO						
7x45-L1		21x556-L1				
AÇO	N	DIAM (mm)	QUANT	C.UNIT	C.TOTAL	
CASO1	1	6,3	581	152	88312	
	2	6,3	455	41	18655	
	3	6,3	273	VAR	VAR	
	4	6,3	14	VAR	VAR	
	5	6,3	196	VAR	VAR	
	6	6,3	35	VAR	VAR	
	7	6,3	21	192	403	
	8	6,3	126	41	1600	
	9	6,3	105	VAR	VAR	
	10	12,5	168	122	5166	
	12	16,0	42	285	11970	
	13	16,0	21	157	3297	
	14	16,0	21	67	1407	
	15	16,0	84	161	13524	
	16	16,0	294	69	20394	
	17	16,0	21	201	4221	
	18	16,0	21	156	3225	
	19	16,0	28	48	1344	
	20	16,0	126	63	13742	
	21	16,0	63	199	10177	
	22	16,0	63	199	10177	

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3 12.5 16.0	2043.7 205 1135.5	550.1 217.2 1971.4
PESO TOTAL (kg)			
CA50	2738.7		

Volume de concreto (C-40) = 13.91 m³
Área de forma = 0.00 m²