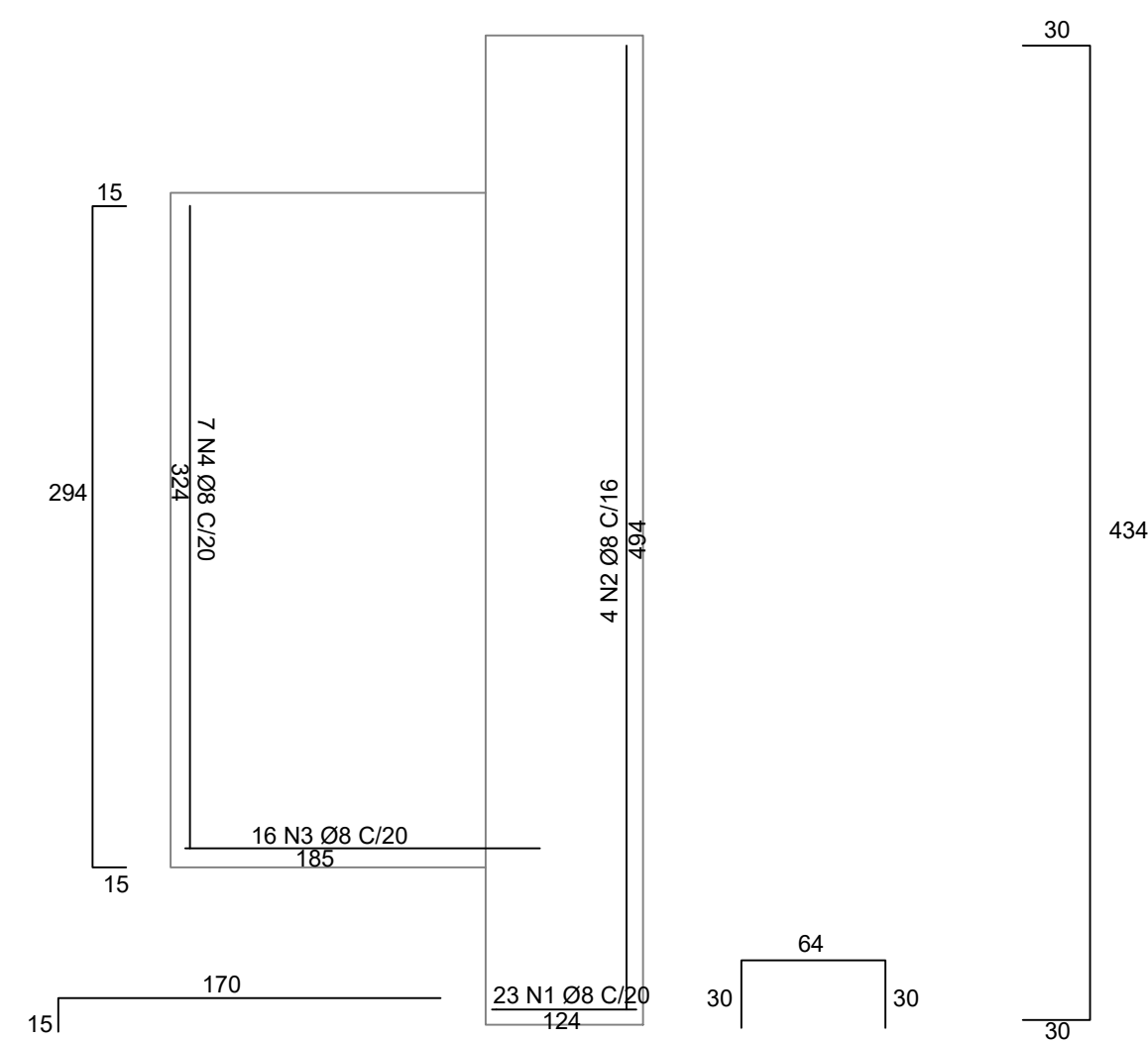
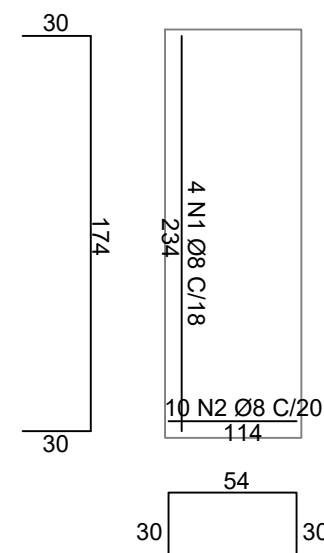
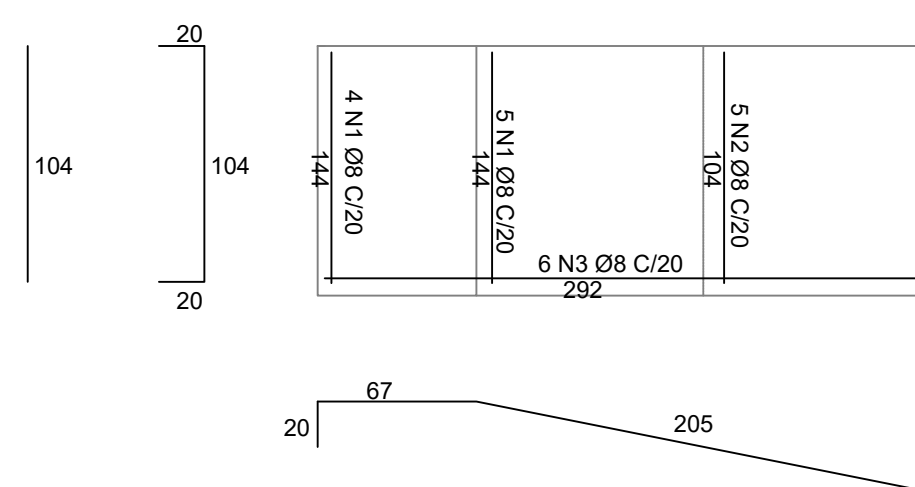


Diagram of a thin-walled open section with two vertical legs and a horizontal base. The left leg has a height of 0.22 and the right leg has a height of 0.40. Both legs are 0.01 thick. The section is supported by a pin at the bottom left and a roller at the bottom right. The centroid is marked with a dot in the center of the left leg.

[illegible]

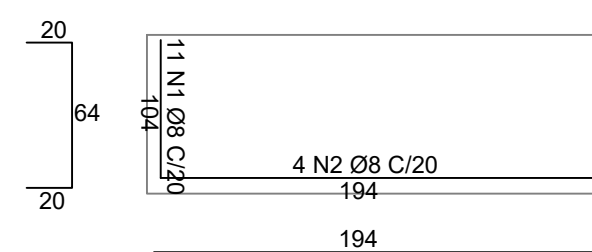
Technical drawing of a rectangular frame. The drawing shows a rectangle with dimensions 54 (width) and 174 (height). The material specifications are 2 N4 Ø8 C/20 for the top and bottom horizontal members, and 2 N3 Ø8 C/20 for the left and right vertical members. The dimensions are indicated by arrows: 54 for the width and 174 for the height.

Technical drawing of a radiator assembly. The drawing shows a cross-section of a radiator with a height of 32 and a width of 20. A central vertical pipe is labeled "5 N5 Ø8 C18". The radiator is labeled "RADIÉR". Dimensions include 35, 52, and 0. The drawing is a technical sketch of a radiator assembly.



Technical drawing of a rectangular plate. The overall dimensions are 104 (height) and 187 (width). The plate has a central rectangular area with dimensions 144 (height) and 187 (width). The central area is labeled with "1N4 Ø8 C/20" on the left and "1N5 Ø8 C/20" on the right. The top and bottom edges of the central area are labeled "187". The left and right edges of the central area are labeled "144". The top and bottom edges of the overall plate are labeled "20".

The diagram shows a plan view of a reinforced concrete slab (RADIER). A grid of reinforcement bars is shown, with labels N1, N2, N3, N4, N5, N6, and N7. A section line is indicated by a horizontal line with arrows at both ends, passing through the slab.



Technical drawing of a rectangular plate. The overall dimensions are 194 mm in width and 104 mm in height. The plate has four holes: two N4 Ø8 holes located 194 mm apart horizontally and 104 mm apart vertically, and two N3 Ø8 holes located 104 mm apart horizontally and 194 mm apart vertically. The plate is shown with a 20 mm wide border on the left and right sides.

RESUMO DE AÇO POR ELEMENTO					
BARRA	QTD	Ø	COMP. UNIT.	PESO UNIT.(Kg)	PESO TOTAL(Kg)
N1	11	8	104	0,395	4,55
N2	4	8	194	0,395	3,10
N3	2	8	104	0,395	0,85
N4	2	8	194	0,395	1,55
N5	26	8	123	0,395	12,70
TOTAL =					22,75