

Technical drawing of a portal frame (Fig. 1.10) showing dimensions and components. The frame consists of two vertical columns and two horizontal beams. The columns are HEA 100 (1) with a height of 56 cm. The beams are HEA 100 (3) with a length of 117 cm. The columns are connected to the beams by 200x8 (4) plates. The beams are connected to the columns by 80x5 (2) plates. The dimensions are: column height 56 cm, beam length 117 cm, column flange width 10 cm, beam flange width 10 cm, column web thickness 10 cm, beam web thickness 10 cm, column flange thickness 10 cm, beam flange thickness 10 cm. The components are labeled: 1 HEA 100 l = 117 cm, 2 rk 80x5 l = 75 cm, 3 HEA 100 l = 36,0 cm, 4 200x8 100. Section lines A-A and B-B are indicated.

Wykonać: 1 szt.

ZESTAWIENIE STALI						
Nr	profil	długość [mm]	ilość sztuk	stal	masa jedn. [kg/m]	masa [kg]
Nr 1	HEA 100	1170	2	St3S	16,7	39,1
Nr 2	rk 80x80x5	750	4	St3S	11,5	34,5
Nr 3	HEA 100	360	2	St3S	16,7	12,0
Nr 4	bl 100x8	200	4	St3S	6,28	5,0
	śruba M14	80	8	kl. 5.8	1,21	0,8
					razem [kg]	91,4
całkowita masa stali + naddatek na spoiny 1,5% [kg]						92,8

PRZEKRÓJ A-A

HEA 100
l = 36,0 cm

46

10 26 10

HEA 100
l = 373,0 cm

rk 80x5
l = 75 cm

rk 80x5
l = 75 cm

2 M14

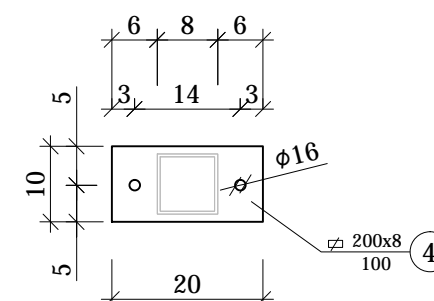
2 M14

200x8
100

21.0 15.5 21.0

Technical drawing of a portal frame structure. The drawing shows a rectangular frame with the following dimensions and components:

- Overall Dimensions:**
 - Width: 117 cm (top), 97 cm (middle), 107 cm (bottom).
 - Height: 85.8 cm (left), 75 cm (middle), 0.8 cm (bottom).
- Components and Labels:**
 - 1:** HEA 100 beam, $l = 117 \text{ cm}$.
 - 2:** rk 80x5 plate, $l = 75 \text{ cm}$.
 - 3:** Corner connection/plate.
 - 4:** 2 M14 bolts, 200x8 plate, 100.
- Other Dimensions:**
 - Top flange width: 10 cm (left), 10 cm (right).
 - Bottom flange width: 5 cm (left), 5 cm (right).
 - Vertical distance from top flange to bottom flange: 10 cm.
 - Horizontal distance from left flange to right flange: 99 cm.
 - Vertical distance from bottom flange to base: 0.8 cm.



DATA	NR RYS.
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