

Technical drawing of a 20m long, 3m wide steel structure. The drawing includes a side elevation and a top-down view. Key dimensions and components are labeled as follows:

- Overall Dimensions:**
 - Length: 20000 mm (20m)
 - Width: 3000 mm (3m)
- Structural Components and Labels:**
 - 26** 84ks Ø12mm, L=5560mm (Main longitudinal beam)
 - 27** 27ks Ø12mm, L=1000mm (Vertical support leg)
 - 28** 45Ø12 / 125mm (Diagonal bracing)
 - 30** Ø12 / 50mm (Horizontal bracing)
 - 31** Ø12 Ø12 / 150mm (Vertical bracing)
 - 32** Ø12 Ø12 / 150mm (Horizontal bracing)
 - 37** 12Ø12 / 150mm (Vertical bracing)
 - 38** Ø12 Ø12 / 150mm (Horizontal bracing)
- Other Dimensions:**
 - Top flange width: 175 mm
 - Bottom flange width: 175 mm
 - Web thickness: 10 mm
 - Vertical spacing between beams: 1500 mm, 1000 mm, 225 mm
 - Horizontal spacing between bracing: 1200 mm, 1000 mm, 225 mm

[illegible][illegible][illegible]

Technical drawing of a reinforced concrete slab (Table 1) showing dimensions and reinforcement details. The drawing includes a plan view and a cross-section view.

Plan View Dimensions:

- Overall dimensions: 6000mm (length) x 4000mm (width).
- Reinforcement details and dimensions:
 - Top bars: 17 (Ø12, 300mm), 18 (Ø12, 150mm), 19 (Ø12, 150mm), 20 (Ø12, 150mm), 23 (Ø12, 150mm), 24 (Ø12, 150mm), 25 (Ø12, 150mm).
 - Bottom bars: 1 (Ø12, 150mm), 2 (Ø12, 150mm), 3 (Ø12, 150mm), 4 (Ø12, 150mm), 5 (Ø12, 150mm), 6 (Ø12, 150mm), 7 (Ø12, 150mm), 8 (Ø12, 150mm), 9 (Ø12, 150mm), 10 (Ø12, 150mm), 11 (Ø12, 150mm), 12 (Ø12, 150mm), 13 (Ø12, 150mm), 14 (Ø12, 150mm), 15 (Ø12, 150mm), 16 (Ø12, 150mm).

Cross-section View Dimensions:

- Overall thickness: 150mm.
- Clear height: 130mm.
- Reinforcement details and dimensions:
 - Top bars: 17 (Ø12, 150mm), 18 (Ø12, 150mm), 19 (Ø12, 150mm), 20 (Ø12, 150mm), 23 (Ø12, 150mm), 24 (Ø12, 150mm), 25 (Ø12, 150mm).
 - Bottom bars: 1 (Ø12, 150mm), 2 (Ø12, 150mm), 3 (Ø12, 150mm), 4 (Ø12, 150mm), 5 (Ø12, 150mm), 6 (Ø12, 150mm), 7 (Ø12, 150mm), 8 (Ø12, 150mm), 9 (Ø12, 150mm), 10 (Ø12, 150mm), 11 (Ø12, 150mm), 12 (Ø12, 150mm), 13 (Ø12, 150mm), 14 (Ø12, 150mm), 15 (Ø12, 150mm), 16 (Ø12, 150mm).

The drawing illustrates the reinforcement layout for a roof slab (Dachstuhlplatte). It includes a top view (plan) and a side view (elevation).

Top View (Plan):

- Dimensions:** Overall width is 6000 mm, overall length is 11100 mm. The slab thickness is 120 mm.
- Reinforcement Details:**
 - Top Reinforcement (Top View):**
 - 9 420/12 / 125mm (Top edge)
 - 7 400/12 / 125mm (Top edge)
 - 8 410/12 / 125mm (Top edge)
 - 13 23 80/12 / 125mm (Bottom edge)
 - 13 19 70/12 / 125mm (Bottom edge)
 - 21 Ø12 à 150mm (Bottom edge)
 - Bottom Reinforcement (Bottom View):**
 - 10 2x18/12 / 150mm (Bottom edge)
 - 20 70/12 / 150mm (Bottom edge)
 - 12 13 19 60/12 / 150mm (Bottom edge)
 - 11 13 23 80/12 / 150mm (Bottom edge)
 - 14 Ø12 à 150mm (Bottom edge)

Side View (Elevation):

- Dimensions:** Overall width is 6000 mm, overall length is 11100 mm. The slab thickness is 120 mm.
- Reinforcement Details:**
 - Top Reinforcement (Top View):**
 - 1 2 490/12 / 125mm (Top edge)
 - 3 480/12 / 125mm (Top edge)
 - 13 22 70/12 / 125mm (Bottom edge)
 - 13 1000 (Bottom edge)
 - 13 Ø12 / 125mm (Bottom edge)
 - Bottom Reinforcement (Bottom View):**
 - 15 Ø12 à 150mm (Bottom edge)
 - 15 Ø12 à 150mm (Bottom edge)
 - 21 Ø12 à 150mm (Bottom edge)

Technical drawing of a square reinforced concrete slab (10m x 10m) showing reinforcement details. The drawing includes dimensions for the slab (10000mm x 10000mm), column width (800mm), and reinforcement bar spacing (150mm). It also shows the placement of reinforcement bars (Ø12 and Ø8) and the use of stirrups (Ø8) for shear. The drawing is divided into four quadrants by a central cross-section line.

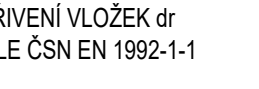
The drawing illustrates the reinforcement details for a reinforced concrete slab. It includes two cross-sections, 19 and 22, and a plan view, 13.

Cross-section 19: Shows a slab with a total width of 680 mm and a height of 160 mm. The reinforcement consists of 25k bars (Ø12 mm) at the top and 19ks bars (Ø12 mm) at the bottom. The top bars are spaced at 125 mm, and the bottom bars are spaced at 150 mm. The slab is supported by a 150 mm wide base.

Cross-section 22: Shows a slab with a total width of 890 mm and a height of 160 mm. The reinforcement consists of 7ks bars (Ø12 mm) at the top and 46ks bars (Ø12 mm) at the bottom. The top bars are spaced at 125 mm, and the bottom bars are spaced at 150 mm. The slab is supported by a 150 mm wide base.

Plan view 13: Shows the overall dimensions of the slab, which is 2500 mm long and 2500 mm wide. The reinforcement consists of 10 bars (Ø12 mm) at the top and 10 bars (Ø12 mm) at the bottom. The top bars are spaced at 125 mm, and the bottom bars are spaced at 150 mm. The slab is supported by a 150 mm wide base.

NEJMENŠÍ VNITŘNÍ PRŮMĚRY
ZAKRIVENÍ VLOŽEK dr
PODLE ČSN EN 1992-1-1



L2 ≤ D

φ

TŘÍNKY, HÁKY

D ≤ 16 mm	dr = 4 D
D > 16 mm	dr = 7 D

φ

ROZMĚRY VÝZTUŽE JSOU
KÓTOVÁNY DO OSY PRUTŮ!

MINIMÁLNÍ KRYTÍ VÝZTUŽE 40 mm
MINIMÁLNÍ KRYTÍ MUSÍ BÝT DODRŽENO PRO VEŠKEROU VÝZTUŽ

JMENOVITÉ KRYTÍ 50 mm
JMENOVITÉ KRYTÍ = TLOUŠŤKA PODKLADKU

OCEL B 500B (10 505)

TABULKA VÝZTUŽE							
Č. pol.	D [mm]	Délka [m]	Počet ks.	Délka B500B			
				8	10	12	16
1	12	1,900	187			357,200	
2	12	1,760	376			661,760	
3	12	1,910	187			357,170	
4	12	5,880	168			987,840	
5	12	1,150	36			41,400	
6	12	0,290	1530	443,700			
7	12	4,900	179			877,100	
8	12	1,880	360			676,800	
9	12	1,340	181			242,540	
10	12	6,000	68			428,000	
11	12	1,250	8			10,000	
12	12	1,000	6			6,000	
13	12	2,500	54			135,000	
14	12	1,810	18			32,580	
15	12	1,350	22			20,700	
16	12	2,980	16			14,950	
17	12	0,930	8			7,440	
18	12	1,040	6			6,240	
19	12	0,740	19			14,460	
20	12	1,150	16			82,000	
21	12	1,230	12			14,760	
22	12	0,890	7			6,230	
23	12	0,680	25			17,000	
24	10	5,000	2		6,000		
25	10	2,500	2		5,000		
26	12	5,560	84			467,040	
27	12	0,750	40			30,000	
28	16	3,280	25				82,000
29	16	3,100	25				77,500
30	12	0,800	50				40,000
31	12	1,300	24			74,400	
32	12	3,750	22			82,500	
33	8	0,270	26	7,020			
35	8	0,300	13	3,900			
36	8	1,120	10			11,200	
37	12	1,000	27			27,000	
38	12	1,500	8			12,000	
Celková délka				454,620	11,000,570	32,310	159,500
Specifická hmotnost				0,395	0,617	0,888	1,571
Hmotnost celkem				179,575	6,787,508	515,251	259,810
Hmotnost celková				525,568			

SO 103 Kabelová šachta Š14

Odpovědný projektant:	Ing. Miroslav Novák
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Vypracoval:	Ing. Martin Klomínský
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Kontroloval:	Ing. Miroslav Novák
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Objednatel: **Správa železnic, státní organizace**

OŘ Ústí nad Labem, Železničářská

Stavba:

1. *Journal of the American Medical Association*, 2000; 283: 2689-2696.

Oprava výhybek v uzle

6. x

E.1.1.2 KABELOVE SAC

VÝKRES VÝZTUŽE

PROG
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Číslo projektu:	46/2019
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Datum:	08/2020
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Stupeň:	DSP
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Měřítka:	1 : 25
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Část: _____ Číslo výkresu: _____

E.1.1.2	5
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