

[illegible]

Technical drawing of a reinforced concrete slab showing dimensions and reinforcement details. The drawing includes a plan view and a section view.

**Plan View Dimensions:**

- Overall width:  $5\phi 10 / 250$
- Overall height:  $5\phi 10 / 250$
- Internal dimensions:  $4\phi 10 / 250$
- Reinforcement spacing:  $8\phi 10 / 250$
- Reinforcement diameter:  $7\phi 10$
- Reinforcement area:  $4\text{ks/m}^2$

**Section View Dimensions:**

- Overall width:  $5\phi 10 / 250$
- Overall height:  $5\phi 10 / 250$
- Internal dimensions:  $4\phi 10 / 250$
- Reinforcement spacing:  $8\phi 10 / 250$
- Reinforcement diameter:  $7\phi 10$
- Reinforcement area:  $4\text{ks/m}^2$

**Reinforcement Details:**

- Top reinforcement:  $5\phi 10 / 250$
- Bottom reinforcement:  $5\phi 10 / 250$
- Side reinforcement:  $4\phi 10 / 250$
- Internal reinforcement:  $8\phi 10 / 250$
- Reinforcement diameter:  $7\phi 10$
- Reinforcement area:  $4\text{ks/m}^2$

Technical drawing of a square reinforced concrete slab. The drawing shows a square slab with a central square area defined by dashed lines. The outer square is defined by solid lines. The dimensions and reinforcement details are as follows:

- Overall Dimensions:** The overall width and height of the slab are both 9' 8 1/2" / 250.
- Reinforcement Details:**
  - Top Reinforcement:** 9 #12 / 250 (indicated by a circled 7).
  - Bottom Reinforcement:** 9 #12 / 250 (indicated by a circled 9).
  - Side Reinforcement:** 3 #12 / 250 (indicated by a circled 7).
  - Corner Reinforcement:** 8 #12 (indicated by a circled 8).
  - Internal Reinforcement:** 6 #12 / 250 (indicated by a circled 7).
- Other Labels:**
  - A circled 14 is located near the top left corner.
  - A circled 12 is located near the top left corner.
  - A circled 9 is located near the top right corner.
  - A circled 8 is located near the bottom right corner.
  - A circled 7 is located near the bottom left corner.
  - A circled 9 is located near the bottom right corner.

Technical drawing of a rectangular frame. The drawing shows a cross-section of a frame with a central opening. The frame is composed of multiple layers. Dimensions are indicated by arrows and circles with numbers. The overall width is 480 mm, and the overall height is 480 mm. The frame thickness is 40 mm. The central opening is 400 mm wide and 400 mm high. Callouts 21, 22, 23, 24, and 25 point to specific parts of the frame.

Dimensions and callouts:

- Overall width: 480 mm (4  $\phi 10$  / 250)
- Overall height: 480 mm (4  $\phi 10$  / 250)
- Frame thickness: 40 mm ( $\phi 10$ )
- Central opening width: 400 mm (4  $\phi 10$  / 250)
- Central opening height: 400 mm (4  $\phi 10$  / 250)
- Callout 21: Points to the outer edge of the frame.
- Callout 22: Points to the inner edge of the frame.
- Callout 23: Points to the top edge of the frame.
- Callout 24: Points to the left edge of the frame.
- Callout 25: Points to the right edge of the frame.

POHLAD 3

5ø10 / 250

4ø10 / 200

19 5ø10 / 250

20 5ø10 / 250

23

10ø12 / 250

9 10ø12 / 250

Z-Z

12 20ø8  
4ks/m<sup>2</sup>

6 9ø12 / 250 -VN-

7 9ø12 / 250

5 9ø12 / 250 -VO-

Technical drawing of a rectangular frame assembly, showing dimensions and callouts for various components and materials.

**Dimensions:**

- Overall width:  $10 \pm 12 / 250$
- Overall height:  $10 \pm 12 / 250$
- Inner width:  $8 \pm 10 / 250$
- Inner height:  $8 \pm 10 / 250$
- Top section height:  $4 \pm 10 / 200$
- Right section height:  $4 \pm 10 / 200$
- Bottom section height:  $4 \pm 10 / 250$
- Left section height:  $4 \pm 10 / 250$

**Callouts:**

- 1:  $\phi 10$
- 2:  $\phi 10$
- 3:  $\phi 10$
- 4:  $\phi 10$
- 5:  $\phi 12$
- 6:  $\phi 12$
- 7:  $\phi 12$
- 8:  $\phi 10$
- 9:  $\phi 10$
- 10:  $\phi 10$
- 11:  $\phi 10$
- 12:  $\phi 10$
- 13:  $\phi 10$
- 14:  $\phi 10$
- 15:  $\phi 10$
- 16:  $\phi 10$
- 17:  $\phi 10$
- 18:  $\phi 10$
- 19:  $\phi 10$
- 20:  $\phi 10$
- 21:  $\phi 10$
- 22:  $\phi 10$
- 23:  $\phi 10$

**RCC Slab**

Technical drawing of a reinforced concrete slab (RCC Slab) showing dimensions and reinforcement details. The drawing includes a plan view of a rectangular slab with a central rectangular cutout. Dimensions are given in millimeters (mm) and centimeters (cm). Reinforcement bars are indicated by circles with numbers and diameters.

**Dimensions:**

- Overall width: 4410 / 300 mm
- Overall height: 7612 / 250 mm
- Central cutout width: 4410 / 250 mm
- Central cutout height: 7612 / 250 mm
- Reinforcement bar spacing: 250 mm

**Reinforcement Details:**

- Top reinforcement: 16  $\phi 10$
- Bottom reinforcement: 29  $\phi 12$
- Side reinforcement: 14  $\phi 10$
- Central cutout reinforcement: 15  $\phi 10$
- Reinforcement bar diameters:  $\phi 10$ ,  $\phi 12$

POHLAD 1

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

**Plan View:**

- Overall dimensions: 5.0m by 2.5m.
- Reinforcement circles and labels:
  - Top: 17, 5ø10 / 250
  - Bottom: 18, 5ø10 / 250
  - Center: 12, 20ø8, 4ks/m²
  - Bottom Left: 6, -VN-, 9ø12 / 250
  - Bottom Right: 7, 9ø12 / 250

**Cross-section View:**

- Shows the vertical position of the reinforcement.
- Reinforcement circle 23 is shown with a diameter of 4ø10 / 200.

POHLAD 4

Technical drawing showing a plan view of a reinforced concrete slab (POHLAD 4) with dimensions and reinforcement details.

Dimensions and Reinforcement Details:

- Overall width: 250
- Overall height: 250
- Top reinforcement: 17 Ø 8, 4 ks/m<sup>2</sup>
- Reinforcement bars: 12, 13, 11, 21, 22, 6, 5, 7, 8
- Reinforcement specifications: 3 Ø 12, 2x16 - vn-4v-o-, 8 Ø 12 / 250, 6 Ø 12 / 250, 8 Ø 12 / 250
- Offsets: 4 Ø 10 / 250, 4 Ø 10 / 250, 4 Ø 10 / 250, 4 Ø 10 / 250
- Central opening: 250 x 250

Diagram of a square frame with dimensions and forces. The frame has an outer square with side length 2000 mm and an inner square with side length 1500 mm. The frame is subjected to forces  $B$  and  $C$  at the corners. The dimensions are given as follows: horizontal dimensions are 250 mm, 1500 mm, and 250 mm; vertical dimensions are 250 mm, 1400 mm, and 250 mm. The forces are applied at the corners of the inner square:  $B$  at the bottom-left corner and  $C$  at the top-right corner. The frame is supported at the bottom-left corner by a pin support and at the top-right corner by a roller support.

POLKRUHOVÝ HÁK

PRAVOUHLÝ HÁK

SLUČKA

D	≤ 16	> 16
dr	4 D	7 D

OHYB

POVRCH PRVKU

t-kOLMÁ VZDÁLENOST VLOŽKY

t	± 100	50 ± t - 100	t ± 50
dr	100	< 150	200

PRVOK	POL.	ø	DĚŽKA [m]	ks.	CELKOVÁ DĚŽKA		
					ø8	ø10	ø12
	1	10	2,18	12	26,16		
	2	10	1,90	16	30,40		
	3	10	2,10	13	27,30		
	4	10	1,80	13	23,40		
	5	12	2,00	34			68,00
	6	12	2,15	34			73,10
	7	12	4,75	27			128,25
	8	12	4,28	20			85,60
	9	12	4,78	20			95,60
	10	10	1,19	19		22,61	
	11	12	1,00	64			64,00
	12	8	0,34	74	25,16		
	13	12	14,5	6			8,70
	14	12	3,15	6			18,90
	15	10	2,01	4		8,04	
	16	10	1,63	4		6,52	
	17	10	2,13	5		10,65	
	18	10	1,73	5		8,65	
	19	10	1,13	5		5,65	
	20	10	1,53	5		7,65	
	21	12	1,14	16			18,24
	22	12	0,86	18			15,48
	23	10	2,99	8		23,92	
	24	10	3,48	4		13,92	
	25	10	3,28	4		13,12	
DĚŽKA		m			227,99		575,87
		kg/m			0,395	0,617	0,890
HMOTNOST		kg			9,94	14,067	512,52
	CELKOVÁ HMOTNOST	kg				663,13	

Konštrukcia	Kalniková šachta
Kvalita betónu	C25/30
Expozíčná trieda	XC3, XF1, XA1(SK)
Chloridy	Cl0,4
veľkosť zrna [mm]	22
konzistencia	S2
množstvo betónu	5,9 m <sup>3</sup>
Výstuž	B 500B
Krytie	horné 5,0
výstuže	spodné 5,0
cv [cm]	bočné 5,0


- PRACOVNÉ ŠKÁRY UTESNÍ GUMENNÝM TESNACÍM PROFILOM
- OTVORY PRE POTRUBIE DODATOČNE DOBETOŇOVAŤ
- RÁM POKLOPU VLOŽÍ DO DUBENIA PRI BETONÁŽI
- VÝSTUŽ V MIERSTVOR PŘEŠLÍŠ Z DOZDŮRÁNÍM KRYCEJ VŮSTVŽE
- KOTVENIE REBRIKA BUDE HR. UROBENÉ DODATOČNE POMOCU CHEMICKÝCH KOTVÍ
- PODKLADOVÝ BETÓN HR. 100mm VYHOTOVÍ PÍDLA STAVEBNÉHO VÝKRESU Z BETÓNU C12/15 - X0

OBJEDNÁVATEL



**NÁRODNÁ DIAĽNIČNÁ SPOLOČNOSŤ**

DOKUMENTÁCIA NA REALIZÁCIU STAVBY  
526-00

ZÁKAZKA			
<h1 style="text-align: center;">DIALNIČNÝ PRÍVÁDZAČ</h1> <h2 style="text-align: center;">LIETAVSKÁ LÚČKA - ŽILINA</h2> <h3 style="text-align: center;">I. ETAPA km 0,0 - 3,8</h3>			
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HLAVNÝ INŽ. PROJ. Ing. Ondrej KUČKO <i>Kučko</i>	TECH. KONTROLA Ing. Dušan Ďuriš, PhD. <i>Ďuriš</i>	SÚSKANOVÝ SYSTÉM JIRSKÁ	KATASTRÁLNE ÚZEMIE: ŽILINA
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