

M 1:10, 1:100

Technical drawing of a reinforced concrete slab (ŽELEZOBETONOVÁ PATKA) with dimensions and annotations.

Overall dimensions: 1000 mm (width) x 1000 mm (height).

Internal dimensions and offsets:

- Top offsets: 80 mm (left), 290 mm (center), 80 mm (right)
- Bottom offsets: 450 mm (center)
- Left offsets: 45 mm (top), 130 mm (middle), 45 mm (bottom)
- Right offsets: 45 mm (top), 130 mm (middle), 45 mm (bottom)
- Internal vertical dimensions: 105 mm, 116 mm, 46 mm, 20 mm, 116 mm, 30 mm, 75 mm
- Internal horizontal dimensions: 108 mm, 108 mm

Reinforcement details:

- Top reinforcement: P16-120x120
- Bottom reinforcement: P16-120x120
- Reinforcement spacing: 6xM30 8.8

Annotations:

- PODLITÍ TL. 30 mm (Base plate thickness 30 mm)
- ŽELEZOBETONOVÁ PATKA C30/37 (Reinforced concrete slab C30/37)

B-B

TRKR 139,7x5
 $\varnothing 5$
 TRKR 244,5x12
 $\varnothing 5$
 P20-285x285
 P16-35x100
 P40-185x200
 ČEP Ø 50/115 mm
 P20-185x200
 P16-120x120
 P40-350x450
 PODLITÍ TL. 30 mm

60
 185
 245
 40
 45
 130
 350
 1000
 1100

KOTEVNÍ ŠROUBY
 6xM30 8.8

Technical drawing of a rectangular building layout. The overall dimensions are 30000 (width) and 5000 (height). The layout features four square columns, each with a side length of 350. The columns are arranged in two vertical rows, with a vertical spacing of 4300 between the rows. The horizontal distance between the two rows is 30000. The vertical distance from the top edge to the top row of columns is 450, and from the bottom row of columns to the bottom edge is 450. The columns are represented by squares with a smaller square inside, indicating a central core or column.

Technical drawing of a circular component. The drawing shows a cross-section of a ring. The outer diameter is labeled as $\varnothing 5$. The inner diameter is labeled as $\varnothing 20-285 \times 285$. The thickness of the ring is labeled as $TRKR 244,5 \times 12$.

Side Elevation View:


- Roof slope indicated by angle α .
- Downspout labeled **TRKR 244,5x12**.
- Another downspout labeled **TRKR 139,7x5**.
- Horizontal dimensions: 80, 290, 80.
- Vertical dimensions: 75, 110, 40, 245.
- Labels for components: P20-285x285, P16-60x100, P16-35x100, P40-185x200, ČEP Ø 50/115 mm, P20-185x200, P16-120x120, P40-350x450, PODLÍTI TL. 30 mm.
- Angles α_1 , α_2 , and α_3 are marked at various joints.

Top Plan View:

- Shows the base plate mounted on a concrete slab.
- Dimensions: 1000 (width), 1100 (depth).
- Labels: KOTÉVNÍ ŠROUBY 6xM30 8.8 (mounting bolts), ŽELEZOBETONOVÁ PÁTKA C30/37 (reinforced concrete base).

TRÍDA PROVEDENÍ DLE ČSN EN 1090-2-PŘÍLOHA B: EXC3
GEOMETRICKÉ TOLERANCE DLE ČSN EN 1090-2-PŘÍLOHA D
MATERIÁL: KONSTRUKČNÍ OCEL S355JR DLE ČSN EN 10025
BETON C30/37 XC3 XF3 DLE ČSN EN 206
BETONÁŘSKÁ VÝZTUŽ B500B DLE ČSN EN 10080
ŠROUBY 8.8 DLE DIN 931
POVRCHOVÁ OCHRANA KONSTRUKČNÍ OCELI: PROTIKOROZNÍ NÁTĚR
DLE ČSN EN ISO 14713-2

0,000 = 344,29 m.n.m. B.p.v. / SOUŘADNICOVÝ SYSTÉM JTSK

PŘEDMĚT		DIPLOMOVÁ PRÁCE			
VYPRACOVALA		Bc. Olga KUTTELWASCHEROVÁ			
VEDOUcí PRÁCE		Ing. Ondřej PEŠEK, Ph.D.			
STAVEBNÍK					
MÍSTO STAVBY		AREÁL ZÁKLADNÍ ŠKOLY LITOMÝŠL			
NÁZEV STAVBY		OCELOVÁ KONSTRUKCE LÁVKY PRO PĚŠÍ			
STAVEBNÍ OBJEKT				FORMÁT	4xA4
ČÁST				DATUM	12.01.2024
OBSAH:				STUPEŇ PD	
VÝKRES KOTVENÍ				MEŘÍTKO 1:10, 1:100	Č. VÝKRESU 08