

Technical drawing of a bridge structure, showing a plan view and a cross-section. The plan view includes dimensions for the bridge deck, piers, and abutments, as well as reinforcement details for the bridge deck and piers. The cross-section shows the bridge deck, piers, and abutments with reinforcement details. The drawing is labeled with various dimensions and reinforcement specifications.

Technical drawing of a rectangular frame with dimensions and reinforcement details:

- Overall dimensions: 670 (height) x 400 (width).
- Internal dimensions: 220 (top section height), 450 (main section height), 340 (bottom section width).
- Reinforcement details:
 - Top: 1 \varnothing B 8
 - Right: 35 2 \varnothing B 12
 - Bottom: 28 4 \varnothing B 20
 - Left: 18 2 \varnothing B 20
- Detail: 19 \varnothing 8 = 2.05m

Technical drawing of a rectangular plate with the following dimensions and specifications:

- Overall height: 670
- Overall width: 450
- Inner height: 220
- Holes and their specifications:
 - Top center: 20 (diameter), 2 Ø B 20
 - Top right: 34 (diameter), 2 Ø B 12
 - Right center: 1 (diameter), Ø B 8
 - Bottom right: 18 (diameter), 2 Ø B 20
 - Bottom center: 29 (diameter), 3 Ø B 20

Technical drawing of a rectangular plate with dimensions and callouts:

- Overall dimensions: 670 (height) x 400 (width).
- Internal dimensions: 220 (height) x 450 (width).
- Callouts:
 - 8: Ø B 20
 - 24: Ø B 12
 - 1: Ø B 8
 - 10: Ø B 20
 - 19: Ø 8 L=2,05m
- Other dimensions: 340, 610, 100.

Technical drawing of a rectangular plate with overall dimensions 400 mm by 450 mm. The plate features four circular holes labeled 1 through 4:

- Hole 1: Top center, diameter $\varnothing B\ 8$.
- Hole 2: Bottom center, diameter $\varnothing B\ 20$.
- Hole 3: Left side, diameter $\varnothing B\ 20$.
- Hole 4: Right side, diameter $\varnothing B\ 12$.

The distance between the centers of the two vertical holes (1 and 2) is 220 mm. The distance between the centers of the two horizontal holes (3 and 4) is 60 mm. A separate detail view shows a corner of the plate with a radius of 100 mm and a width of 340 mm.

Technical drawing of a rectangular box. The overall dimensions are 400 (width) x 670 (height). The box has a top flange of 100 and a bottom flange of 220. The main body height is 350. The drawing includes several callouts for parts: 20 (top flange), 2 Ø B 20 (top flange holes), 34 2 Ø B 12 (top flange holes), 1 Ø B 8 (top flange hole), 18 2 Ø B 20 (top flange holes), 29 3 Ø B 20 (bottom flange holes), and 1 19 Ø 8 L=200 (bottom flange hole). A separate drawing shows the side profile of the box with a width of 340 and a height of 190.

Rez AL - AL

Dimensions:
 Total height: 730
 Top panel height: 450
 Middle section height: 220
 Bottom panel height: 60
 Total width: 610
 Left side offset: 9m

Component Callouts:
 38 (Top left corner)
 37 Ø B 8 (Top left corner)
 34 2 Ø B 12 (Top right corner)
 36 Ø B 8 (Top right corner)
 32 4 Ø B (Middle right)
 37 Ø B 8 (Bottom right)
 38 (Bottom right corner)
 39 (Bottom center)


Technical drawing of the front view of a rectangular plate. The overall dimensions are 280 mm in height and 400 mm in width. The plate features a central rectangular cutout with a width of 120 mm and a height of 60 mm. The cutout is positioned 37 mm from the top and bottom edges and 39 mm from the left and right edges. The plate has four mounting holes: four Ø B 12 holes at the top corners (38 mm from the top edge) and four Ø B 20 holes at the bottom corners (39 mm from the bottom edge). The plate is labeled 'Rez AQ - AQ' at the top.

670
220
450
220
20 Ø B 20
1 Ø B 8
23 Ø B 12
18 Ø B 20
340
300
100
19 Ø B 12 = 2.05m

Technical drawing of a rectangular concrete foundation. The overall width is 400 and the overall height is 67. The height of the main body is 450. The drawing shows a cross-section with reinforcement bars. The reinforcement details are as follows:

- Top reinforcement: 2 \varnothing B 20
- Bottom reinforcement: 3 \varnothing B 20

Technical drawing of a rectangular reinforced concrete slab (slab 1) with dimensions and reinforcement details. The slab is 670 mm wide and 450 mm high. It has a top reinforcement of 1 Ø B 8 and bottom reinforcement of 2 Ø B 20 and 3 Ø B 20. The bottom reinforcement is spaced at 18 mm and 12 mm respectively. The slab is supported by a 400 mm wide base.



 10mm

 240

 340

 8

 16

 8 L=1,31m

Technical drawing of the 'BAGNO' bag. The front view shows a rectangular bag with a top handle and a bottom flap. Dimensions include a total height of 670, a main body height of 450, and a top flap height of 220. The top flap has a width of 20 and a depth of 20. The main body has a width of 23 and a depth of 12. The bottom flap has a width of 18 and a depth of 20. The side view shows a bag with a height of 400 and a width of 340. A detail view of the bottom flap shows a width of 18 and a depth of 20.

Technical drawing of a rectangular plate with the following dimensions and specifications:

- Overall dimensions: 220 (width) x 450 (height).
- Internal dimensions: 240 (width) x 80 (height).
- Holes and their positions:
 - 16 $\varnothing B 10$ (top left corner)
 - 22 $\varnothing B 20$ (top right corner)
 - 6 $\varnothing B 8$ (top center)
 - 24 $\varnothing B 12$ (top center)
 - 1 $\varnothing B 8$ (bottom center)
 - 15 $\varnothing B 10$ (bottom center)
 - 10 $\varnothing B 20$ (bottom left corner)
- Other dimensions: 80 (left margin), 240 (internal width), 80 (bottom margin), 340 (width of a separate part), 610 (height of a separate part), 12 $\varnothing 8 \times 1.206$ (small hole).

340
4 Ø 8 L=1.25m
360

Technical drawing of a rectangular plate with the following dimensions and reinforcement details:

- Overall dimensions: 670 (height) x 400 (width).
- Internal dimensions: 220 (top section height) x 450 (main body height).
- Reinforcement details:
 - Top reinforcement: 24 \varnothing B 12
 - Bottom reinforcement: 10 \varnothing B 20
 - Side reinforcement: 1 \varnothing B 8
 - Corner reinforcement: 17 \varnothing 8 L=2.05m
- Other dimensions: 340 (width of the right side section), 610 (height of the right side section).

Figure 1 displays 36 problems arranged in a 6x6 grid. Each problem consists of a geometric figure (a right-angled triangle with a square corner cut off) and a list of four multiple-choice options. The figures vary in their dimensions and the size of the cut-off corner. The options are numerical values representing the area of the figure.

<p>340 610 50</p> <p>Ⓐ 313 Ⓐ 12.05m Ⓑ 5300 Ⓒ 4500 Ⓓ 2500</p>	<p>320 360 40</p> <p>Ⓐ 34 Ⓐ 10.100m Ⓑ 36 Ⓒ 38 Ⓓ 39</p>	<p>8000 340 50</p> <p>Ⓐ 35 Ⓐ 12.16.00m Ⓑ 36 Ⓒ 37 Ⓓ 38</p>
<p>5300 4500 50</p> <p>Ⓐ 3 Ⓐ 20.145.44m Ⓑ 2500 Ⓒ 2600 Ⓓ 2700</p>	<p>5000 7475 50</p> <p>Ⓐ 17 Ⓐ 12 Ⓐ 0.171m Ⓑ 18 Ⓒ 19 Ⓓ 20</p>	<p>5000 7475 50</p> <p>Ⓐ 18 Ⓐ 12 Ⓐ 0.171m Ⓑ 19 Ⓒ 20 Ⓓ 21</p>
<p>5300 4500 50</p> <p>Ⓐ 3 Ⓐ 20.12.50m Ⓑ 2500 Ⓒ 2600 Ⓓ 2700</p>	<p>5000 7475 50</p> <p>Ⓐ 19 Ⓐ 12 Ⓐ 0.171m Ⓑ 20 Ⓒ 21 Ⓓ 22</p>	<p>5000 7475 50</p> <p>Ⓐ 20 Ⓐ 12 Ⓐ 0.171m Ⓑ 21 Ⓒ 22 Ⓓ 23</p>
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	Φ	džka [m]	počet kusov	džka celkom [m]			
				B500B			
				B8	B10	B12	B20
1	B8	2,05	513	1051,65			
2	B20	5,44	6				32,64
3	B20	4,50	6				27,00
4	B20	2,50	3				7,50
5	B8	1,31	24	31,44			
6	B8	1,25	20	25,00			
7	B20	4,05	12				48,60
8	B20	3,00	6				18,00
9	B12	3,40	12			40,80	
10	B20	5,95	3				17,85
11	B12	3,25	8			26,00	
12	B20	6,16	6				36,93
13	B20	1,00	6				6,00
14	B12	3,93	12			47,10	
15	B10	1,65	32		52,80		
16	B10	1,00	44		44,00		
17	B10	1,71	12		20,52		
18	B20	5,00	10				50,00
19	B20	7,48	12				89,70
20	B20	3,00	10				30,00
21	B12	2,23	16			35,60	
22	B20	2,70	3				8,10
23	B12	9,03	6			54,15	
24	B12	12,00	6			72,00	
25	B20	1,65	3				4,95
26	B12	3,33	8			26,60	
27	B20	6,03	3				18,08
28	B20	6,23	7				43,61
29	B20	6,10	7				42,70
30	B20	5,51	3				16,55
31	B20	4,11	3				12,33
32	B12	1,96	4			7,84	
33	B20	5,40	3				16,20
34	B12	11,44	2			22,87	
35	B12	6,00	6			36,00	
36	B8	1,61	13	20,93			
37	B8	0,61	52	31,98			
38	B12	5,20	4			20,80	
39	B20	5,61	4				22,42
celkom		m (m²)		1161,00	117,32	389,76	549,15
		kg/m (kg/m²)		0,395	0,617	0,888	2,470
		kg		458,60	72,39	346,11	1356,40
						223,49	

- POLOHA VÝSTUŽE V REZE A POHĽADE
- JE KOTOVANÁ NA OS PRŮTOV
- CELKOVÝ VÝŤAH PRŮTOV JE KOTOVANÝ
- NA VONKAJŠÍ PLOCHĚ
- CELKOVÁ DĚLKA PRŮTA JE STRIŽNÁ DĚLKA
- ČÍARKOVANÝ KRÓŽOK ČÍSLO POLOŽKY
- SYMBOLIZUJE DIEŤI VÝŤAH VÝSTUŽE
- PLNÝ KRÓŽOK SYMBOLIZUJE CELKOVÝ
- VÝŤAH VÝSTUŽE
- KRYTIE VÝSTUŽE JE SMERODAJNÉ PRE STRIŽNÉ: 30MM

POUŽITÉ MATERIÁLY:

BETÓN - C35/45

BETÓN STN EN 206-1 - C35/45 - XC1(SK) - CL 0,4 - Dmax 16 - S3

HLAVNÝ INŽINIER PROJEKTU:

$V/S = 594 / 800 \text{ (0.48m}^2\text{)}$	Allplan 2
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