

Technical drawing of a rectangular plate with two vertical slots. The plate has a total width of 859.0 mm and a total height of 434.0 mm. Each slot is 202.0 mm wide and 490.0 mm high. The distance between the inner edges of the slots is 457.0 mm. The distance from the left edge of the plate to the left edge of the first slot is 202.0 mm. The distance from the right edge of the second slot to the right edge of the plate is 200.0 mm. The text "11 Ø10 L = 490 cm" is written vertically inside each slot, indicating 11 holes with a diameter of 10 mm and a length of 490 cm.

[illegible]

Technical drawing of a reinforced concrete slab cross-section (Fig. 10.10). The drawing shows a rectangular slab with a total width of 869.0 cm and a total height of 464.2 cm. The slab is divided into three vertical sections: a left section (width 235.5 cm), a central section (width 400.0 cm), and a right section (width 233.5 cm). The left and right sections contain vertical reinforcement bars labeled "16 Ø10 L = 490 cm" and "11 Ø10 L = 490 cm" respectively. The central section contains a horizontal reinforcement bar labeled "TL\_1\_2 h\_OT = 34.25 cm". A label "VEDI ARMATURA TRAVE" points to the central section. The drawing also shows horizontal reinforcement bars at the bottom and top of the slab.

Technical drawing of a rectangular plate with dimensions and hole specifications. The overall dimensions are 869.0 mm in width and 610.0 mm in height. The plate features six holes, arranged in two rows of three. The top row of holes is labeled  $6 \varnothing 10 L = 860 \text{ cm}$ . The bottom row of holes is labeled  $15 \varnothing 10 L = 170 \text{ cm}$  on the left and  $15 \varnothing 10 L = 168 \text{ cm}$  on the right. The distance between the centerlines of the top and bottom rows of holes is 142.5 mm. The distance from the left edge to the centerline of the first hole in the bottom row is 178.0 mm. The distance from the right edge to the centerline of the last hole in the bottom row is 176.0 mm. The distance from the top edge to the centerline of the first hole in the top row is 351.5 mm. The distance from the bottom edge to the centerline of the first hole in the bottom row is 351.5 mm. The drawing includes dashed lines indicating the centerlines and edges of the holes and the plate.

Technical drawing of a reinforced concrete slab cross-section showing two columns. The drawing includes dimensions for column width (202 cm and 200 cm), column spacing (4000 mm), and overall slab width (8190 mm). Reinforcement is shown with blue lines and stirrups with red lines.

Technical drawing of a reinforced concrete slab cross-section (VEDI ARMATURA TRAVE). The drawing shows a rectangular slab with a total width of 869.0 cm and a total height of 65.0 cm. The slab is divided into three vertical sections: a left section with a width of 235.5 cm, a central section with a width of 400.0 cm, and a right section with a width of 233.5 cm. The central section contains a horizontal reinforcement bar with a diameter of 10 mm and a length of 227 cm, labeled "20 Ø10 L = 227 cm". The right section contains a horizontal reinforcement bar with a diameter of 10 mm and a length of 225 cm, labeled "20 Ø10 L = 225 cm". The central section also shows a horizontal reinforcement bar with a diameter of 10 mm and a length of 34.25 cm, labeled "TL\_L\_2\_h<sub>OT</sub>, 34.25 cm". The drawing includes a label "VEDI ARMATURA TRAVE" pointing to the central section. The drawing is a technical drawing of a reinforced concrete slab cross-section (VEDI ARMATURA TRAVE). The drawing shows a rectangular slab with a total width of 869.0 cm and a total height of 65.0 cm. The slab is divided into three vertical sections: a left section with a width of 235.5 cm, a central section with a width of 400.0 cm, and a right section with a width of 233.5 cm. The central section contains a horizontal reinforcement bar with a diameter of 10 mm and a length of 227 cm, labeled "20 Ø10 L = 227 cm". The right section contains a horizontal reinforcement bar with a diameter of 10 mm and a length of 225 cm, labeled "20 Ø10 L = 225 cm". The central section also shows a horizontal reinforcement bar with a diameter of 10 mm and a length of 34.25 cm, labeled "TL\_L\_2\_h<sub>OT</sub>, 34.25 cm". The drawing includes a label "VEDI ARMATURA TRAVE" pointing to the central section.

Technical drawing of a rectangular plate. The overall dimensions are 234.5 mm in width and 490.0 mm in height. A central hole is specified as 10 Ø10 L = 490 cm. The drawing includes dashed lines indicating the hole's position and a green line marking the center.

Technical drawing showing two rectangular panels, labeled 12 and 13, with dimensions and hole locations.

**Panel 12:**

- Overall width: 627.5
- Overall height: 494.0
- Inner width: 490.0
- Inner height: 490.0
- Hole diameter:  $\varnothing 12.1$
- Hole location: 120.0 from the left edge and 120.0 from the bottom edge.

**Panel 13:**

- Overall width: 627.5
- Overall height: 494.0
- Inner width: 490.0
- Inner height: 490.0
- Hole diameter:  $\varnothing 12.1$
- Hole location: 172.5 from the left edge and 172.5 from the bottom edge.

Technical drawing of a rectangular plate. The overall dimensions are 234.5 mm in width and 490 mm in height. A central hole is specified as  $14 \varnothing 10 \text{ L} = 490 \text{ cm}$ . The drawing shows the plate with a red border and a green line indicating the hole's position. The hole is located 234.5 mm from the left and right edges. The distance from the top edge to the center of the hole is 490 mm. The drawing also shows dashed lines for the hole's position and a solid line for the hole's edge.

Technical drawing of a rectangular structure, likely a culvert or bridge pier, showing dimensions and labels.

**Top View (Plan View):**

- Overall width: 400.0
- Overall length: 34.25 cm
- Labels:  $TL_1$ ,  $2$ ,  $HTOT$
- Dimensions:  $+50.0$  (left),  $50.0$  (right)

**Side View (Elevation View):**

- Overall height: 28.08
- Overall width: 11.4
- Labels:  $28.08$ ,  $L=26$ ,  $14$ ,  $28$ ,  $14$
- Dimensions:  $+50.0$  (left),  $50.0$  (right)

Technical drawing of a rectangular plate. The overall dimensions are 234.5 mm in width and 454.0 mm in height. A central hole is specified as 20 Ø10 L = 226 mm. The drawing includes a red rectangular outline, a green horizontal line indicating the hole's position, and blue dimension lines with arrows. Dashed lines represent the hole's boundaries and the plate's internal structure.

Technical drawing of a rectangular plate with two vertical slots. The plate has a total width of 627.5 mm and a height of 484.0 mm. The left slot is 120.0 mm wide and 112 mm long, with a 20 mm diameter hole. The right slot is 172.5 mm wide and 144 mm long, also with a 20 mm diameter hole. The distance between the inner edges of the slots is 335.0 mm. Dashed lines indicate the original dimensions of the plate before the slots were cut.

Technical drawing of a rectangular plate. The overall dimensions are 234.5 mm in width and 424.0 mm in height. A central hole is specified as 20 Ø10 L = 226 mm. The drawing shows the plate with a red outline, a blue dashed line indicating the hole's position, and a green line indicating the hole's length. The hole is centered horizontally and vertically. The dimensions are labeled with blue text and arrows.

Technical drawing of a reinforced concrete wall section showing reinforcement details. The wall has a total height of 200 cm. Reinforcement includes horizontal bars (Ø 16) and vertical bars (Ø 10). The drawing shows the wall section with reinforcement bars and dimensions.

pos.1)  $\varnothing (XX)^* L=120$

53

14

pos.2)  $\varnothing (XX)^* L=120$

53

14

Pos.1

Pos.2

4Ø16

200

N.B.:  
 $\varnothing (XX)^* = \text{armatura orizzontale di parete prescritta (diametro e passo)}$

acciastruzzo a prestazione (DM 17.01.2018, UNI EN 206-206, UNI 11104-2004) con le seguenti caratteristiche:					
	resistenza classe	aggregato max classe	esposizione classe	consistenza coefficiento min.	
	(mm)	(mm)			(mm)
fondazioni	28/35	32	XC2	S4	35
setti verticali	28/35	25	XC1 + XF1	S4	30
solai interni	28/35	25	XC1	S4	30
solai esterni	28/35	25	XC3	S4	30
solai interni (precompresso)	45/55	25	XC1 + XC3	--	---
solai interni (precompresso)	45/55	25	XC3	--	---
sode	28/35	25	XC1	S4	30

N.B. i coprifondi degli elementi prefabbricati dovranno essere conformi a quanto prescritto dalle UNI EN 13369 ed in grado di garantire le classi di esposizione sopra indicate.

Rapporto acqua/cemento massimo: 0,50

Classe di resistenza del cemento (UNI EN 19771): CEM 42,5 R

Tutte le caratteristiche sopra indicate devono essere riportate nella bolla di consegna.

E' vietata qualunque aggiunta d'acqua in cantiere.

**ACCIAIO PER ARMATURA (DM 17.01.2018 - Tab. 11.3.VII.a e 11.3.VII.b)**

tipo B450C

sovrapposizione minima (se non diversamente specificato):

barre 40 Ø     reti     3 maglie

diametro mandrino D = 4d per diametro barra d < 12 mm

diametro mandrino D = 5d per diametro barra 12 ≤ d ≤ 16 mm

diametro mandrino D = 8d per diametro barra d > 16 mm

Risolvo minimo > 5d (se non diversamente specificato)

**ACCIAIO PER ELEMENTI PRECOMPRESSI (DM 17.01.2018 - Tab. 11.3.VIII)**

Trefoli     f<sub>tpk</sub> = 1.900 N/mm<sup>2</sup>

GIUNZIONI BULLONATE (DM 17.01.2018 - Tab. 11.3.XIII.a)		
Viti:	classe 10.9 (se non diversamente specificato)	(UNI EN 898-1:2013)
Dadi:	classe 10 (se non diversamente specificato)	(UNI EN 898-2:2012)
Rondelle	durezza 300 HV	

## NOTE INTEGRATIVE

Tutte le dimensioni, le quote e le pendenze sono coerenti con il rilievo eseguito. Resta a carico del costruttore la loro verifica in atto prima dell'inizio dei lavori e durante tutto il loro svolgimento.

Prima di ogni atto avviare la DL.

Il costruttore deve sottoporre all'approvazione della DL i particolari costruttivi per la costruzione in officina e l'assemblaggio in opera. In caso di modifiche il costruttore deve sottoporre all'approvazione della DL i particolari costruttivi e la relazione di rispondenza con le ipotesi di calcolo adottate.

In caso di approvazione i particolari grafici ed i calcoli dovranno essere messi a disposizione della DL che provvederà a consegnarli agli enti di controllo ad integrazione della pratica del CA ivi depositata.

L'UTILIZZO E LA RIPRODUZIONE DEL PRESENTE DOCUMENTO SONO RISERVATE A NORMA DI LEGGE