

Technical drawing of a reinforced concrete slab (PLATEA H 40 cm) showing dimensions, levels, and construction details.

**Dimensions:**

- Overall width: 380 cm
- Overall height: 480 cm
- Internal width (between columns): 300 cm
- Internal height (between columns): 270 cm
- Column width: 40 cm
- Beam width: 40 cm
- Distance from column center to beam center (left): 133 cm
- Distance from column center to beam center (right): 107 cm
- Distance from beam center to column center (middle): 60 cm

**Levels and Elevation:**

- Level of slab top: +33.50
- Level of column top: +36.00

**Construction Details:**

- Reinforcement: Indicated by red diamonds and dashed lines.
- Waterstop: GIUNTO WATERSTOP PER RIPRESA DI GETTO (Waterstop for concrete pour break).
- Section lines: A-A and B-B.

Technical drawing of a sewerage system layout. The drawing shows a plan view of a sewerage network with three manholes labeled A, B, and C. Manhole A is located at the bottom left, Manhole B at the bottom center, and Manhole C at the top center. A new DN 630 pipe section is shown in blue, connecting Manhole A to Manhole B. The existing DN 300 pipe section is shown in black. The drawing includes dimensions for the pipe sections and manhole locations. The horizontal dimensions are 40, 190, 380, 190, and 40. The vertical dimensions are 40, 270, and 40. The elevation of the new DN 630 pipe is +33.50. The elevation of the existing DN 300 pipe is +36.00. The drawing also shows a cross-section of the DN 630 pipe, indicating its internal diameter and the existing DN 300 pipe.

The drawing illustrates the reinforcement details for a reinforced concrete slab with a circular opening. It includes two main views: a plan view of the slab and a cross-sectional view of the wall.

**Plan View (Left):** Shows a square slab with a central circular opening. The reinforcement consists of a grid of bars. The spacing between the bars is indicated as 50 cm. The diameter of the opening is labeled as  $\phi_{\text{Raggio}} \geq 10 \text{ cm}$ . The reinforcement is labeled as  $2\phi 16$  SU CIASCUN LIVELLO DI ARMATURA.

**Cross-Section View (Right):** Shows the vertical reinforcement (ARMATURA VERTICALE INTERROTTA) and the horizontal reinforcement (ARMATURA ORIZZONTALE INTERROTTA). The vertical reinforcement is shown as a bar with a hook, and the horizontal reinforcement is shown as a bar with a hook. The spacing between the bars is indicated as  $S_{\text{muro}} = 10$ .

Technical drawing showing the layout of a sewerage system. The drawing includes two manholes (DN 630) and a lateral sewer line (DN 300). The main sewer line is shown with a diameter of DN 630 and a water level (W.L.) of 35.55. The lateral sewer line is shown with a diameter of DN 300 and a water level (W.L.) of 35.55. The drawing also shows the existing lateral sewer line with a diameter of DN 300 and a water level (W.L.) of 35.55. The drawing includes dimensions for the sewer line segments and the manholes, as well as elevations for the water levels and the sewer line segments. The drawing is labeled with 'RINTERRO LATERALE CON MATERIALE ESISTENTE NELL'AMBITO DEL CANTIERE AREA 3.7 mq'.

Technical drawing of a square manhole structure. The structure is square with a side length of 380 units. The wall thickness is 40 units. The structure is divided into four quadrants by a horizontal and a vertical wall. The walls are labeled with dimensions and labels:

- Top wall: 380 (total width), 40 (left offset), 300 (main span), 40 (right offset).
- Right wall: 380 (total height), 40 (top offset), 300 (main span), 40 (bottom offset).
- Bottom wall: 380 (total width), 40 (left offset), 300 (main span), 40 (right offset).
- Left wall: 380 (total height), 40 (top offset), 300 (main span), 40 (bottom offset).

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- Left wall: 380 (total height), 40 (top offset), 300 (main span), 40 (bottom offset).

The diagram shows a rectangular reinforced concrete slab with overall dimensions of 470 cm by 300 cm. The slab is divided into a central rectangular area and four corner regions. The central area has a width of 33.50 cm and a height of 33.50 cm. The corner regions have a width of 37.00 cm and a height of 37.00 cm. The slab is reinforced with 10/16/20 bars, with a spacing of 170 cm. The reinforcement is labeled as 10/16/20 sup. L = 530 and 10/16/20 inf. L = 530. The diagram also shows the distribution of reinforcement bars, with 10/16/20 bars at the top and bottom, and 10/16/20 bars at the corners. The reinforcement is labeled with 10/16/20 and 10/14/20. The diagram also shows the distribution of reinforcement bars, with 10/16/20 bars at the top and bottom, and 10/16/20 bars at the corners. The reinforcement is labeled with 10/16/20 and 10/14/20.

Technical drawing of a rectangular frame with dimensions and labels:

- Top dimension: 37.00
- Right dimension: 37.00
- Bottom dimension: 37.00
- Left dimension: 37.00
- Internal width dimension: 33.50
- Internal height dimension: 33.50
- Labels: 1, 2, 3, 4
- Text: ORIZZONTALI 1+1014/20
- Text: ORIZZONTALI 1+1014/20
- Text: 1016/20 sup. L= 430
- Text: 1016/20 int. L= 430

Sp. MURO

Massimo 10 cm

20

Copriferro

Giunto per ripresa di getto

Massimo 10 cm

20

Sp. FONDAZIONE

calcestruzzo											acciaio	
NORMATIVA DI RIFERIMENTO		UNI 11164	UNI 11164 (prospetto 4) e UNI EN 206.1				UNI EN 197-1		UNI EN 1992-1-1		D.M. 17/01/19	
CAMPI DI IMPIEGO	Classe di esposizione	Classe di Resistenza	Dose aggregato		max alc	classe di Consistenza	classe di compatibilità d'aria	tipo e classe calcestruzzo	coefficiente	armatura		
			N/mm²	mm							tipo	
magrone (s=10 cm)	-	C12/15	R <sub>s</sub>	15	32	-	S3	Cl 1,0	no	-	-	-
fondazioni	XC4+XA2	C35/45	R <sub>s</sub>	45	25	0,45	S4	Cl 0,2	no	Cemento	50	B 450 C
pareti	XC3/45	C35/45	R <sub>s</sub>	45	25	0,45	S4	Cl 0,2	no	ARS ad ad azione	50	B 450 C
solette sp. > 15 cm	XC4+XA2	C35/45	R <sub>s</sub>	45	25	0,45	S4	Cl 0,2	no	resistenza in accordo	50	B 450 C
solette sp. <= 15 cm	XC4+XA2	C35/45	R <sub>s</sub>	45	15	0,45	S4	Cl 0,2	no	UNI 9156	40	B 450 C

-LE RIPRESE DI GETTO DOVRANNO ESSERE REALIZZATE APPLICANDO, PRIMA DEL SECONDO GETTO, UN GIUNTO WATER-STOP APPLICANDO SULLA SUPERFICIE DEL GETTO PRECEDENTE UN PROFILO ESTRUDIBILE IDROSPENDENTE PER LA TENUTA IDRAULICA DEI GIUNTI DI RISA DEL TIPO SIKAWELL S-2(VP) O SIMILARE; TALE PROFILLO POTRA' ESSERE ESTRUSO IN OPERA MEDIANTE LE COMUNI PISTOLE PER SIGILLANTI PROFESSIONALI.

