

[illegible]

SEZIONE A-A
VISTA FRONTALE

Technical drawing showing the front view (VISTA FRONTALE) of a structural section (SEZIONE A-A). The drawing illustrates a double-column structure with two vertical columns, each labeled IPN440. The columns are supported by a base plate. Key dimensions and components are labeled:

- Column height: 550 (total), 377 (lower section).
- Column width: 50 (flange width), 480 (web width), 580 (total width).
- Base plate dimensions: 145 (flange width), 290 (web width), 10 (thickness), 580 (total width), 150 (flange width), 300 (web width), 600 (total width).
- Reinforcement details:
 - N.2=610x580x10 (Reinforcement in the column web)
 - N.2=550x531x10 (Reinforcement in the column flange)
 - N.1=600x630x20 (Reinforcement in the base plate)
- Other dimensions: 173 (height of the lower section), 150 (height of the upper section), 460 (height of the base plate), 20 (thickness of the base plate).

Technical drawing of a roof structure, showing a side elevation and a cross-section.

Side Elevation Details:

- Rafter dimensions: 20x240, 20x240, 20x240.
- Purlin dimensions: N.2 610x580x10, N.2 550x531x10.
- Base plate dimension: N.1 600x630x20.
- Roof slope angle: 15°.
- Other dimensions: 1164, 531, 332, 199, 150, 610, 377, 550, 374, 15, 10, 20, 13, 260, 9, 125, 292, 110, 163, 467, 630.

Cross-Section Details:

- Rafter dimension: 20x240.
- Purlin dimension: N.2 610x580x10.
- Roof slope angle: 15°.

Detail: CENTINA IPN240

Technical drawing of a CENTINA IPN240 (I-beam) showing dimensions: 210, 179, 16, 16, 26, 22, 49.

Labels:

- PIASTRA (A)
- ARCO ROVIA

FRONTE SCAVO
3+512.072

ARCO ROVESCIO
GIÀ REALIZZATO

PIANO DEI CENTRI

Q.P.

P.S.

1° CAMPO DI AVANZAMENTO 6.00m

2° CAMPO DI AVANZAMENTO 6.00m

50 100 100 100 50

190

207

109

688

1224

3+515.00

ACCIAIO DI CARPENTERIA	
- S275JR	
- ACCIAIO CATENE CENTINE	B450C
- BULLONI PIASTRE UNIONE CENTINE	Classe 8.8

PARTICOLARE "C" scala 1:5
UNIONE CENTINE

Technical drawing showing a detail of a beam connection (Particolare "C" scala 1:5) for the UNIONE CENTINE. The drawing illustrates the connection between two I-beams (CENTINE IPN240) using a central plate (ANGOLARE 70x70x7) and a chain (CATENA UNIONE CENTINE Ø 24). The connection is supported by two vertical plates (CALASTRELLO IPN240). Dimensions are provided for the overall length (1000), the distance between the beam centers (300), and the distance between the beam flanges (292). The chain is shown in a cross-section view below the main view, with a diameter of 24 and a length of 664. The vertical plates have a height of 100.

scala 1:50

Diagram illustrating a circular tunnel layout (Piano dei Centri) with a central gallery (Asse Galleria) and radial branches (Rami Radiali).

The central gallery (Asse Galleria) is shown as a curved line with a radius of 10296. The radial branches (Rami Radiali) are shown as curved lines with a radius of 4959.

The diagram includes a central point labeled "P" and a horizontal line labeled "PIANO DEI CENTRI". The vertical distance from the center to the gallery is 10296. The horizontal distance from the center to the gallery is 4959.

The diagram also shows a section of the tunnel with a radius of 10296 and a central angle of 16.8000°.

Other labels include "SCAVO" (excavation) and "P" (center point).

SEZIONE G-G

CATENA UNIONE CENTINE 024

ANGOLARE 70x70x7

SEZIONE H-H

CALASTRELLO 1PN240

CENTINA 2IPN240