

Technical drawing of a roof structure showing a side elevation and two cross-sections.

Alzado (Side Elevation): Shows a central ridge with a 10% slope on both sides. The roof is supported by a central column and two side columns. The roof structure consists of IPE 270 beams and 1/2 IPE 270 purlins. The drawing is labeled "Alzado".

Sección A - A (Cross-section A): Shows the connection of the IPE 270 beam to the central column. The connection is made using a plate (Chapa 60x565x11) and bolts. The beam is labeled "Viga (a) IPE 270". The purlin is labeled "Cartela 1/2 IPE 270". The connection is labeled "Sección A - A".

Sección B - B (Cross-section B): Shows the connection of the IPE 270 beam to the side column. The connection is made using a plate (Chapa 60x565x11) and bolts. The beam is labeled "Viga (b) IPE 270". The purlin is labeled "Cartela 1/2 IPE 270". The connection is labeled "Sección B - B".

Sección D - D

Sección A - A

Sección B - B

Sección E - E

Sección C - C

d1. Detalle de soldaduras: rigidizadores a Pilar HE 200 B

Sección B – B

d1.Detalle de soldaduras: rigidizadores
a Pilar HF 200 R

Sección A = A

d1.Detalle de soldaduras: rigidizadores
a Pilar HF 200 R

Sección B – B

Country	1950	1960	1970	1980	1990	2000	2010	2020	2030	2040	2050
Japan	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
Italy	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
Germany	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
France	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0
United States	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0
United Kingdom	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0
Canada	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0

d1.Detalle de soldaduras: rigidizadores a Pilar HE 180 B

Sección C - C

Sección D - D

Sección A – A

4

[illegible]

F

Sección B – B

[illegible][illegible]

Viga

Alzado

$$\begin{array}{c} \text{V} \\ | \\ \text{H} \end{array}$$

Sección B – B

Diagram showing three cross-sections (A-A, B-B, C-C) of a steel frame structure. The structure consists of a vertical column (Pilar HE 220 B) and a horizontal beam (Viga IPE 140).

- Sección A - A:** Shows the vertical column (Pilar HE 220 B) and the horizontal beam (Viga IPE 140) connected by a gusset plate. The column is labeled "Pilar HE 220 B" and the beam is labeled "Viga IPE 140".
- Sección B - B:** Shows the vertical column (Pilar HE 220 B) and the horizontal beam (Viga IPE 140) connected by a gusset plate. The column is labeled "Pilar HE 220 B" and the beam is labeled "Viga IPE 140". The gusset plate is labeled "75" and "75".
- Sección C - C:** Shows the horizontal beam (Viga IPE 140) and the vertical column (Pilar HE 220 B) connected by a gusset plate. The beam is labeled "Viga IPE 140" and the column is labeled "Pilar HE 220 B".