

## STRUCTURES

### **POLONCEAU TRUSS ("IPE" and "HEA" profiles)**

The bars of this truss are made of "IPE" profiles; the rafters are made of two "HEA" profiles.

The joint between the rafters and the rest of the bars are solved with a corner-joint welding.

In the nodes in which all the bars are made of the same type of profile (the joint among the rafters and the junction between the kingpost and the braces) re solved with butt weld.

Then, from the edges of the rafters have been placed covers to the support plates.

Finally, we have placed, on these nodes, stiffeners to avoid excessive deformations.