

STRUCTURES

METALLIC TRUSS (RAFTER AND GIRDER)

This is the simplest form of a truss.

The rafters transfer the loading from the roof to the supports through compression. On the supports, appears a horizontal load (from the roof), which is absorbed by the girder; so that, the loading of the truss to the supports is only vertical.

The rafters are made of IPN profiles with a red lead primer.

The girder is made of two steel bars protected with a red lead primer too.

The junction between the rafters and girder is welding a gusset. The wing of this gusset works like supported plate of truss.

The steel bars have a screwed edge. This screwed edge is to place on it a thread to give tension to the bar.