

STRUCTURES

SUPPORTED METALLIC BEAM OVER CONCRETE PILLAR

A metallic beam is supported over this concrete pillar. The metallic beam is a HEB profile.

The metallic beam is anchored to the pillar through mechanic fixes, one steel plate which works like holding plate.

One strip is welded to the holding plate; this strip is anchored to the pillar in some points to avoid its buckling. This strip transmits the new load to the foundation.

In the base, the strip is welded to a sharing plate. This sharing plate should be anchored to the foundation. With this sharing plate, we avoid the possible punching because of the strip. To share better the load into the plate, two steel gussets have been welded.

All the metallic elements have received a red lead primer like protection.