

Abstract

JOINT STRUCTURE OF STEEL H-SHAPES AND JOINING METHOD OF STEEL H-SHAPES

A joint structure joins flat end surfaces of a pair of steel H-shapes each having a web, flanges, and fillets to each other, in which the joint structure includes a weld metal which is formed between end surfaces of the flanges, and a steel bearing plate disposed between end surfaces of the webs such that an upper surface and a lower surface of the steel bearing plate come into surface contact with an entire end surface of the webs, and that side surfaces of the steel bearing plate fuse integrally with the weld metal.

FIG. 2