

Title of Invention

H-BEAM JOINT STRUCTURE

Abstract

An H-beam joint structure for joining an end of steel materials adjacent to H-beam each other, wherein the steel materials have a flange and a web, comprising: a transmission plate arranged parallel to a front surface of the web on at least one side of the web of the H-beam and the steel material, and welded to a back surface of the flange; and a coupling plate provided in close contact with the transmission plate to connect the H-beam and the steel material, wherein a web of the H-beam, the web of the steel material and the transmission plate are bolted via the coupling plate. As a result of this feature, there is provide an H-beam joint structure which has a joining strength equivalent to a conventional joint structure for an H-beam, and also which can easily be constructed to have less parts and make front surfaces of the flanges flat.

[Figure 1]