

ABSTRACT

JOINT CONSTRUCTION OF COLUMN MEMBER STEEL PIPES

According to a quadrangular steel pipe column employing thick-walled short-sized quadrangular steel pipes, it takes time in production to form a bevel for welding in the inner side of the thick-walled short-sized quadrangular steel pipe, and the cost is high. In contrast thereto, long-sized steel pipes of a predetermined wall thickness and a short-sized steel pipe of a greater wall thickness than that of the long-sized steel pipes are formed by hot forming so that they are the same in outer peripheral shape, and an end surface of the long-sized steel pipe is opposed to an end surface of the short-sized steel pipe that is not beveled. In this state, the two pipes are joined by welding from outside. As a result, various merits of a type employing a thick-walled short-sized steel pipe can be retained; a bevel for welding can be formed in a reduced production time and at low cost; since the outer peripheral shape is the same, the weld-joining operation can be performed smoothly and efficiently, suitably all the time, with no step portion formed; and the thick-walled short-sized steel pipe is not formed with a bevel. Thus, there is provided a joint construction of column member steel pipes wherein a column member steel pipe can be produced in a reduced production time at a low cost.

(Figure 1)



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