

[Document Type]            Abstract

[Title of the Invention]    BEAM-TO-COLUMN CONNECTION

The present invention provides a beam-to-column connection including a concrete column that is formed by placing concrete, a steel frame beam that is joined to the concrete column, and a plurality of reinforcing bars that are provided in a surface layer region of the concrete column in a joining location of the concrete column and the steel frame beam. A continuous portion which extends over the surface layer region of the concrete column from a corner portion to a corner portion in an integrally continuous manner, a pair of elongated portions which is bent from both ends of the continuous portion and extends along the surface layer region of the concrete column, and a protrusion portion which is bent from one of or both the pair of elongated portions and protrudes toward an inside of the concrete column are formed in each of the reinforcing bars. The entirety of the continuous portions respectively formed in the plurality of reinforcing bars forms a hoop over a whole circumference of the surface layer region of the concrete column.

FIG. 1