

CONNECTION STRUCTURE FOR REINFORCED CONCRETE COLUMNS AND
STEEL BEAMS, AND CONNECTING METHOD FOR REINFORCED CONCRETE
COLUMNS AND STEEL BEAMS

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ABSTRACT

A joint structure (100) of a reinforced concrete column and a steel beam is configured to form a recess (47) in a reinforced concrete column (40), insert an end portion of a steel beam (41) into the recess (47), and fill the recess (47) with concrete (43) so as to join the reinforced concrete column (40, 42) and the steel beam (41). In addition, the joint structure (100) of a reinforced concrete column and a steel beam is configured to adjust a degree of fixation of the steel beam (41) by adjusting an embedded length of the end portion of the steel beam (41) to the concrete (43) filling the recess (47), and semi-rigidly join the end portion of the steel beam (41) to the reinforced concrete column (40) and adjust a bending moment acting on a joint of the reinforced concrete column (40) and the steel beam (41) and the steel beam (41) by adjusting the degree of fixation.

[FIG.1]