

**Improvement of Evaluation Method of Load Carrying Capacity of
Beam-to-Column Insert Joint**

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Concrete filled tubular steel (CFT) members have been applied to the columns of rigid frame structures. However, performance verification method for beam-to-column joint panels of those rigid frame structures, especially for joint panels compounded of steel frames and rebars inserted into CFT columns, were not enough clarified. We restudied the load carrying mechanism and evaluation method of the capacity of the beam-to-column joint panels based on the previous experimental results. As a result, it has been found out that the proposed methods are more appropriate than original ones for evaluating the load carrying capacity of the beam-to-column joint panels.