

ABSTRACT

STEEL FRAME MEMBER, JOINT STRUCTURE, COMPOSITE STRUCTURE, AND
METHOD OF CONSTRUCTING COMPOSITE STRUCTURE

In order to shorten a construction time by simplifying construction of vertically joining steel frame members and reduce costs required for the construction, there is provided a steel frame member for a composite structure including concrete and a steel frame member disposed in the concrete, in which a fixing steel plate to be embedded by the concrete is provided on at least one end. The fixing steel plate is provided on an inner surface side or an outer surface side of the steel frame member. A protrusion is formed on at least a part of a surface of the steel frame member. There is provided a joint structure in a composite structure including concrete and a steel frame member disposed in the concrete, the joint structure connecting a first steel frame member and a second steel frame member in an axial direction of the composite structure, in which a first fixing steel plate is provided at an end of the first steel frame member, and at least one of an outer surface and an inner surface of the second steel frame member is disposed along the first fixing steel plate.

[FIG. 6]