[ABSTRACT]

[Invention Title]

WEB CONNECTED TYPE STEEL COMPOSITE CONCRETE BEAM-COLUMN JOINT STRUCTURE

[Abstract]

The present invention relates to a web connected type steel composite concrete beam-column joint structure that is economical because an end bending moment may be reduced by coupling the webs of steel plate built-up beams, which are disposed on both sides of a column frame member in a beam-column joint part, to a column so that the webs are arranged one after the other, and also has excellent constructability because the beam is easy to install and the arrangement of connecting steel bars in the column is minimized. The web connected type steel composite concrete beam-column joint structure according to the present invention relates to the joint structure of the steel plate built-up beam, wherein, to form the column frame member, in which a plurality of pieces of shaped steel is provided on the outer portion of the column to form the steel composite concrete column, and the steel composite concrete beam into which concrete is poured, the joint structure of the steel plate built-up beam comprises: one pair of webs; a lower flange for connecting the lower ends

of the one pair of webs; and an upper flange coupled to each of the upper ends of the webs, wherein the webs of the steel plate built-up beams disposed on both sides of the column frame member are connected to each other, and the webs are coupled to one side of each piece of the shaped steel of the column frame member, wherein the web of the steel plate built-up beam comes into close contact with the one side of the shaped steel members and is joined thereto by a plurality of bolts.

FIG. 2