【CLAIMS】

【Claim 1】

A column steel connection structure for shaped steel members of a column to connect a lower member 1a and an upper member 1b, which respectively comprises a plurality of ‘L’-shaped steel members 11a and 11b disposed on outer edges of the column and traverse support members 12a and 12b for connecting the shaped steel members 11a and 11b to each other, to build a steel-concrete composite column, comprises first coupling plates 13a and second coupling plates 13b which are fixed to tops of the shaped steel members 11a of the lower member 1a and undersides of the shaped steel members 11b of the upper member 1b respectively, and the first coupling plates 13a and the second coupling plates 13b are coupled to each other to connect the upper member 1b and the lower member 1a with each other, wherein the first coupling plates 13a and the second coupling plates 13b are coupled to each other by means of fastening bolts 21 and nuts 22 which are located on the insides of both legs of the shaped steel members 11a of the lower member and 11b of the upper member so that a compression force is transferred through bearing of the first coupling plates 13a and the second coupling plates 13b, and a tensile force is transferred directly through the fastening bolts 21.

【Claim 2】

The column steel connection structure according to claim 1, wherein each fastening bolt 21 comprises a head 211 and a body 212 and the body 212 has a tool insertion groove 213 formed on an end portion thereof or a rotation tail part 214 protruding from the end portion thereof in such a manner as to be fastened to a tool to rotate the fastening bolt 21.

【Claim 3】

The column steel connection structure according to claim 1, wherein each fastening bolt 21 comprises a head 211 and a body 212 and the head 211 has a tool insertion groove 213 formed at the center of top thereof in such a manner as to be fastened to a tool to rotate the fastening bolt 21.