

ABSTRACT

Disclosed herewith are a modular integrated building and a construction method thereof. The building comprises a plurality of prefabricated room modules (10), each having a top and a bottom steel column assembly at each top corner and each bottom corner of the module, respectively. The bottom steel column assembly of a prefabricated room module on a floor corresponds to the top steel column assembly of a prefabricated room module on a lower floor in terms of their vertical positions. A horizontal connector (3) is interposed between two adjacent top steel column assemblies of two adjacent prefabricated room modules on a same floor, said two adjacent top steel column assemblies being connected to the horizontal connector through first bolts. The top and bottom steel column assemblies vertically corresponding to each other are connected through second bolts.

(Fig. 5)