

MODULAR INTEGRATED BUILDING AND CONSTRUCTION METHOD THEREOF

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ABSTRACT

Disclosed herewith a modular integrated building and a construction method thereof. The building comprises multiple prefabricated room units (1), each provided with reserved, exposed reinforcing bars at its top. A bottom of a load-bearing structure of the prefabricated room unit (1) is embedded with grouting couple shafts (2). Reinforcing bars of the load-bearing structure and of the prefabricated room unit (1) of a next floor are inserted in inner grouting chambers (21) of the grouting couple shafts (2) to connect two prefabricated room units (1) of adjacent floors together. A cast-in-situ concrete interlayer (3) is arranged for connecting adjacent prefabricated room units (1) of a same floor together. According to the present invention, the on-site workload is reduced significantly, the construction period is shortened greatly, and the construction is convenient and rapid.

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