

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). A bottom of a load-bearing structure of the prefabricated room unit (1) is provided with a semi-prefabricated connecting port (2). Reinforcing bars arranged at a top of the prefabricated room unit (1) of a next floor are inserted in the connecting port (2) and thus connected with reinforcing bars arranged therein, so that the prefabricated room units (1) of two adjacent floors are connected with each other through in-situ casting concrete in the connecting port (2). A cast-in-situ concrete interlayer (3) is arranged on a top plate (11) of the prefabricated room unit (1) of a next floor, for connecting adjacent prefabricated room units (1) of a same floor together.

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(Fig. 13)

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