

Abstract

The invention discloses a prefabricated element of a multi-storey building and a semi-prefabricating construction method thereof. The prefabricated element includes a prefabricated outer wall (6) having a RC wall (61), each of both side faces of the RC wall (61) having a recess (611) arranged therein. A plurality of exposed reinforcing steel bars (63) are extended from both side faces of the RC wall (61), and fixedly connected to a reinforcement mat in an adjacent cast-in-situ load-bearing cross wall (11) in the same floor. The semi-prefabricating construction method includes: firstly, building a prefabricated outer wall and a prefabricated floor plate; then, laying the prefabricated floor plate and cast concrete thereon to form a semi-prefabricated floor plate; afterward, temporarily securing the prefabricated outer wall by means of a telescopic rod and a triangular support; lastly, casting a load-bearing cross wall. The prefabricated element of a multi-storey building and the semi-prefabricating construction method thereof according to the invention can significantly increase the construction efficiency of a multi-storey building, shorten the construction period and reduce the cost.

(Fig. 10)