

A multi-storey building with prefabricated members and a semi-prefabricating construction method thereof

Abstract

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The invention discloses a multi-storey building with prefabricated members and a semi-prefabricating construction method thereof. The multi-storey building includes: a prefabricated outer wall (1), a cast-in-situ wall (2), a semi-prefabricated floor plate (31), a cast-in-situ floor plate (32), a prefabricated staircase (6), a prefabricated bathroom (7) and a prefabricated kitchen (8). Each of the upper and lower ends of the prefabricated staircase (6) is provided with a mounting hole (61) for pouring sand slurry, and the floor plate connecting the upper and lower ends of the prefabricated staircase (6) is securingly provided with exposed reinforcing steel bars, which can be inserted into the corresponding mounting hole (61) and secured there through pouring sand slurry. At the bottoms of the prefabricated bathroom (7) and the prefabricated kitchen (8) there are pre-buried horizontal exposed reinforcing steel bars, which are connected to the reinforcing steel bars in the cast-in-situ floor plate (32) with each other. The multi-storey building and its semi-prefabricating construction method only require a very short construction period, with which a standard floor can be built within four days. Also, the idle time of labor is minimized, and the quality standard is more unified.

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