

BUILDING FRAME STRUCTURE HAVING EDGE BEAM, AND CONSTRUCTION METHOD THEREOF

5 Abstract

Disclosed is a building frame structure having an edge beam and a construction method thereof. The frame structure includes: a main frame structure (10) and a cantilever beam (5) provided outside of the main frame structure (10), a beam (6) supported by the cantilever beam (5), and an outer floor (32) disposed between the main frame structure (10) and the edge beam (6). The edge beam (6) and the cantilever beam (5) are preforms reserved with exposed reinforcing bars, respectively. The edge beam (6) is provided thereon with a vertical sideboard (61) and a temporary safety rail (62). The cantilever beam (5) is a beam-shell structure provided with an inner recess. The outer floor (32) is a laminated plate, a lower part of which is a preformed plate (321). The preformed plate (321), the edge beam (6), and the cantilever beam (5) are connected to each other by concrete cast in situ at respective top portions thereof. With the building frame structure, it will be unnecessary to provide any peripheral seal plate or to build any outside work frame. Curtain wall pre-inserts can be positioned more accurately, and construction work can be more effectively reduced, thereby effectively improving construction efficiency.

(Fig. 1)