CLAIMS

1. A joint of a precast concrete structural wall, for connecting the precast concrete structural wall with a bottom load-bearing member,

characterized in that the joint includes a semi-prefabricated connection port, which is arranged at a lower end of the precast concrete structural wall and configured to be recessed inwardly, and exposed reinforcing bars arranged at a top of the bottom load-bearing member,

an inner wall of the semi-prefabricated connection port is formed as a concave-convex surface, which has a plurality of concave portions and a plurality of convex portions that are arranged alternately, and the semi-prefabricated connection port is provided therein with no exposed, vertical connecting bars,

the precast concrete structural wall is mounted on the top of the bottom load-bearing member, so that the exposed reinforcing bars are inserted into the concave portions of the semi-prefabricated connection port, the precast concrete structural wall and the bottom load-bearing member being connected with each other through pouring concrete in the semi-prefabricated connection port,

two sides of the semi-prefabricated connection port are provided with transverse connecting bars, which are exposed segments at two ends of transverse reinforcing bars arranged in the precast concrete structural wall, wherein said exposed segments, after being bent of 180 degrees, extend into the semi-prefabricated connection port, and

vertical strengthening bars, which are lower ends of vertical reinforcing bars arranged in the precast concrete structural wall, are provided in the convex portions at the inner wall of the semi-prefabricated connection port, wherein the vertical strengthening bars are formed by bending the vertical reinforcing bars arranged in the precast concrete structural wall, and each vertical reinforcing bar inside the precast concrete structural wall is located above a corresponding concave portion of the semi-prefabricated connection port, the lower end of the vertical reinforcing bar being bent toward a side at a position adjacent to the concave portion, and then extending

into said convex portion as the vertical strengthening bar.

2. The joint of the precast concrete structural wall according to claim 1, characterized in that the transverse connecting bars and the exposed reinforcing bars are completely covered by concrete poured in the semi-prefabricated connection port.

3. The joint of the precast concrete structural wall according to claim 1, characterized in that vertical auxiliary bars are provided in the convex portions at the inner wall of the semi-prefabricated connection port, and located out of the transverse reinforcing bars, for fixing the transverse reinforcing bars.

4. The joint of the precast concrete structural wall according to claim 1, characterized in that the semi-prefabricated connection port is open to a side wall and a bottom surface of the precast concrete structure wall.

5. The joint of the precast concrete structural wall according to claim 4, characterized in that the inner wall of the semi-prefabricated connection port is connected to the side wall of the precast concrete structure wall through a first inclined surface, and to the bottom surface of the precast concrete structural wall through a second inclined surface.