

Abstract:

**A JOINT LOCATED BETWEEN PRECAST REINFORCEMENT CONCRETE
STRUCTURES AND REINFORCEMENT ARRANGING METHOD FOR
REINFORCEMENT CONCRETE STRUCTURE**

The present invention provides a joint between precast reinforced concrete structures, selected from a wall, a module, a column, a beam, a floor, or a balcony. The structure includes one or more first reinforcing connectors partially embedded in a side of the first prefabricated reinforcement concrete structure such that each of the first reinforcing connectors forms a periodically protruding structure. Each of the protruding portions facing outward forms an aperture with the side surface of the first precast reinforced concrete structure, and the aperture is configured to receive a connecting component. A second prefabricated reinforcement concrete structure is further provided, which is disposed to be adjacent to the first prefabricated reinforcement concrete structure and has a configuration similar to that of the first prefabricated reinforcement concrete structure. A rotatable spiral connecting component interlocks the aperture of the first reinforcement connectors and the apertures of the second, and then the connection is completed by filling grout, so as to omit formwork at a construction site.

(FIG. 1A)