art, and it is an object of the present invention to provide a prefabricated rebar assembly with permanent forms and a manufacturing method therefor that are capable of allowing main rebars and the permanent forms to be coupled to inner and outer sides of closed type prefabricated hoops made by connecting end portions of support bars to each other, so that the permanent forms are in advance attached to the outer sides of the prefabricated hoops, thereby minimizing works in a construction site and being applicable to a column having a middle or small-sized section.

【Technical Solution】

To accomplish the above-mentioned object, according to one aspect of the present invention, there is provided a prefabricated rebar assembly with permanent forms, including: closed type prefabricated hoops spaced apart from one another in a longitudinal direction of a member to be built in a longitudinal direction of a member to be built, each of the prefabricated hoops being configured to allow the neighboring one side legs of a plurality of L-shaped support bars, each support bar having one side leg and the other side leg, to be connected to each other by means of welding; main rebars fixedly coupled to one side legs of the support bars on the inner corners of the pre-assembled prefabricated hoops by means of welding; the permanent forms coupled to outer sides of the prefabricated hoops and to the other side legs of the support bars; and tie bars for connecting the facing support bars to support the lateral pressure of concrete.

To accomplish the above-mentioned object, according to another aspect of the present invention, there is provided

【CLAIMS】

【Claim 1】

A prefabricated rebar assembly with permanent forms, comprising:

closed type prefabricated hoops (1) spaced apart from one another in a longitudinal direction of a member to be built, each of the prefabricated hoops (1) being configured to allow the neighboring one side legs (11) of a plurality of L-shaped support bars (10), each support bar (10) having one side leg (11) and the other side leg (12), to be connected to each other by means of welding (W);

main rebars (2) fixedly coupled to one side legs (11) of the support bars (10) on the inner corners of the pre-assembled prefabricated hoops (1) by means of welding (W);

the permanent forms (3) coupled to outer sides of the prefabricated hoops (1) and to the other side legs (12) of the support bars (10); and tie bars (5) for connecting the facing support bars (10) to support the lateral pressure of concrete.

【Claim 2】

A method for manufacturing the prefabricated rebar assembly with permanent forms according to claim 1, the method comprising the steps of:

(a) connecting end portions of support bars (10) having L-shaped sections to each other by means of welding to make closed type prefabricated hoops (1);

(b) locating main rebars (2) on inner sides of corners of the prefabricated hoops (1) and fixing the main bars (2) to the inner sides of the prefabricated hoops (1) by means of welding (W); and

(c) coupling the permanent forms (3) to the outer sides of the prefabricated hoops (1).