

[Abstract]

The present invention relates to a reinforced concrete wall being formed by preassembling and arranging rebars as triangular rebar nets in a self-supporting triangle structure in a reinforced concrete wall requiring shear reinforcement and a preferable installation method therefor.

The reinforced concrete wall using triangular rebar net arrangement according to the present invention, using triangular rebar net arrangement, comprises: a plurality of triangular rebar nets arranged side by side in the longitudinal direction of a wall; outer traverse rebars arranged so as to simultaneously surround, in the traverse direction, the plurality of triangular rebar nets which are arranged side by side in the longitudinal direction of the wall; and concrete poured such that the triangular rebar nets and the outer traverse rebars are buried. Here, the triangular rebar nets are formed by assembling: two or three first main rebars which are arranged side by side to be positioned on a continued line in the axial direction; one second main rebar disposed to be parallel with and spaced from the first main rebars; and a reinforcement transverse rebar arranged so as to connect the first main rebars and the second main rebar in the traverse direction, thereby confining the first main rebars and the second main rebar in a triangular structure and the triangular rebar nets are arranged side by side while continuously changing the direction thereof in the longitudinal direction of the wall such that the first main rebars and the second main rebar adjoin.