<u>Amended</u> Claims

1. A prefabricated bathroom, comprising a bottom unit (11), four wall units (12) and a ceiling unit (13) that are connected with each other in a securing manner, each of the units being made from reinforced concrete, said wall units being provided with a door and a window,

wherein at least one of said four wall units (12) or part of at least one of said four wall units (12) is a semi-prefabricated structural wall (122), and a thickness of said semi-prefabricated structural wall (122) is less than a total thickness of a structural wall of a building;

wherein said semi-prefabricated structural wall (122) is provided with a plurality of positioning stubs (121) on an outside surface along a normal line thereof, and a sum of a height of said positioning stubs (121) and the thickness of said semi-prefabricated structural wall (122) is equal to the total thickness of the structural wall of the building; and

wherein a top surface of each of the plurality of positioning stubs (121) is parallel with the outside surface of said semi-prefabricated structural wall (122), and each of said positioning stubs (121) is provided with a screw bolt on its top surface for locating and installing a cast-in-situ wall template.

2. The prefabricated bathroom according to claim 1, wherein said ceiling unit (13) is a semi-prefabricated structural floorslab, in which pipes and a lighting control box are pre-buried, and a thickness of said semi-prefabricated structural floorslab is less than a total thickness of a structural floorslab of the building;

wherein said ceiling unit (13) is provided with a plurality of protrusions (131) on its upper surface vertically, and a sum of a height of said protrusions (131) and a thickness of said semi-prefabricated structural floorslab is equal to the total thickness of the structural floorslab of the building; and

wherein a top surface of each of said protrusions (131) forms a leveling surface for in-situ casting the structural floorslab.

3. The prefabricated bathroom according to claim 1, wherein said positioning

stubs (121) are concrete cylindrical stubs, and each of the concrete cylindrical stubs is provided with a central through hole, through which said screw bolt passes; and

wherein each screw bolt, which is fixed on said prefabricated bathroom, passes through and protrudes from a corresponding concrete cylindrical stub, and is used for installing a cast-in-situ wall template in a securing manner.

4. The prefabricated bathroom according to claim 2, wherein said leveling protrusions (131) are concrete rectangular columns distributed on edges of the upper surface of said ceiling unit (13).

~~5. A method for building a prefabricated bathroom, comprising the following steps:~~

~~step A: building a bottom unit (11) and four wall units (12) of the prefabricated bathroom with a bottom steel mould and vertical steel moulds; and~~

~~step B: installing a prefabricated ceiling on tops of the four wall units (12), and pouring concrete to form a ceiling unit (13), so that a closed prefabricated bathroom is built.~~

~~6. The method according to claim 5, wherein said step A further comprises:~~

~~step A1: building an outer profile of said bottom unit (11) and outer profiles of said four wall units (12) with an outer bottom steel mould (22) and outer vertical steel moulds (21);~~

~~step A2: fastening horizontal reinforced bars (23) and vertical reinforced bars (24) and fixing them on inner surfaces of said outer bottom steel mould (22) and said outer vertical steel moulds (21) respectively, so as to form structural reinforced bars of a profile of said four wall units (12) and said bottom unit (11);~~

~~step A3: installing a window frame (25) on the structural reinforced bars of a wall unit;~~

~~step A4: installing inner vertical steel moulds (26) and an inner bottom steel mould (27) on inner surfaces of the profile of said four wall units (12) and said bottom unit (11), adjusting flange braces (28) so that said inner vertical steel moulds (26) are kept in vertical direction and said structural reinforced bars are clamped between said~~

inner vertical steel moulds (26) and said outer vertical steel moulds (21) firmly, and installing a top fixing frame (29) to fix tops of said inner vertical steel moulds (26) and said outer vertical steel moulds (21); and

step A5: pouring concrete into an inner space surrounded by said outer bottom steel mould (22), said inner bottom steel mould (27), said outer vertical steel moulds (21), and said inner vertical steel moulds (26), and removing said top fixing frame (29), outer vertical steel moulds (21), adjustable flange braces (28), inner vertical steel moulds (26), and inner bottom steel mould (27) when the concrete reaches a certain strength, so as to form four wall units (12) and the bottom unit (11) of the prefabricated bathroom.

7. The method according to claim 5, wherein said step B further comprises:

step B1: placing an inner top steel mould (210) on tops of said wall units (12), supporting said inner top steel mould (210) with temporary support steel frames (211), and placing a prefabricated roof (4) on the inner top steel mould (210);

step B2: connecting said prefabricated roof (4) with said wall units (12) in a securing manner through exposed reinforced bars on tops of said wall units (12), and placing an outer top steel mould (212) on said prefabricated roof (4);

step B3: pouring concrete into the outer top steel mould (212) which is placed on said prefabricated roof (4); and

step B4: removing said outer top steel mould (212), inner top steel mould (210), and temporary support steel frames (211) when the concrete reaches a certain strength, so as to form said ceiling unit (13) and thus obtain a complete prefabricated bathroom.

8. The method according to claim 7, wherein said step B1 further comprises:

sub step B11: laying a reinforced bar network on a steel mould frame;

sub step B12: pre-burying a lighting control box and pipes in said reinforced bar network;

sub step B13: pouring concrete into said steel mould frame; and

sub step B14: removing said steel mould frame when the concrete reaches a certain strength, so that said prefabricated roof (4) is built.

~~9. A method for installing a prefabricated bathroom, comprising the following steps:~~

~~step D: defining a floor (5) to be installed with the prefabricated bathroom, laying a layer of cement slurry on a location of the floor (5) to be installed with the prefabricated bathroom, hoisting said prefabricated bathroom with a hoister (3), so that the prefabricated bathroom is placed on said cement slurry and fitted with said cement slurry closely;~~

~~step E: connecting at least one wall unit or part of one wall unit of said prefabricated bathroom with a wall unit of an adjacent floor;~~

~~step F: building scaffold (63) for supporting crossgirders (62) on the floor (5) where said prefabricated bathroom is placed;~~

~~step G: installing a cast in situ floor template (65) on an upper surface of the ceiling unit (13) of said prefabricated bathroom and said crossgirders (62), and constructing an integrated reinforced bars of structural floorslab of a building in said cast in situ floor template (65); and~~

~~step H: pouring concrete into said cast in situ floor template (65), and removing said cast in situ floor template (65) when the concrete reaches a certain strength, so that a complete structural floorslab of the building is formed.~~

~~10. The method according to claim 9, wherein said step E further comprises:~~

~~step E1: erecting vertical reinforced bars on an outside surface of a semi prefabricated structural wall (122) of said prefabricated bathroom, so that the vertical reinforced bars and horizontal reinforced bars on the outside surface of said semi prefabricated structural wall (122) form a structural reinforced bars of an outside wall of the building; and~~

~~step E2: installing a cast in situ wall template in a securing manner with screw bolts which are fixed into said prefabricated bathroom and which pass through and protrude from the concrete cylindrical stubs (121), pouring concrete into said cast in situ wall template, and removing said cast in situ wall template when the concrete reaches a certain strength, so that a complete structural wall of the building is formed.~~