AMENDED CLAIMS

1. A method for manufacturing a modular integrated building unit, comprising:

Step A, prefabricating individual plates, including a top plate and multiple wall plates, of the building unit separately, wherein late-pouring areas are formed in advance between the top plate and each of the wall plates and between adjacent wall plates, respectively, and exposed reinforcing bars are provided in the late-pouring areas of the top plate and the wall plates, and in a bottom of each wall plate;

Step B, mounting prefabricated wall plates on a base platform, and fixing them to a formwork that is fixed to the base platform from outside;

Step C, mounting a top plate supporting frame on the base platform;

Step D, binding reinforcing bars in the late-pouring areas between adjacent wall plates;

Step E, mounting wall plate inner and outer molds in the late-pouring areas between adjacent wall plates;

Step F, mounting a base mold in the late-pouring areas between the top plate and the wall plates;

Step G, disposing the prefabricated top plate on the top plate supporting frame, and binding reinforcing bars in the late-pouring areas between the top plate and the wall plates;

Step H, pouring concrete in the late-pouring areas between adjacent wall plates and in the late-pouring areas between the top plate and the wall plates;

Step I, removing the wall plate inner and outer molds and the base mold after the concrete poured in Step H reaches sufficient strength; and

Step J, integrating the wall plates and a bottom plate of the building unit together.

2. The method for manufacturing the modular integrated building unit according to claim 1, characterized in that the bottom plate is a prefabricated bottom plate,

wherein late-pouring areas are formed between the bottom plate and the wall plates for late connection, and reinforcing bars are provided in the late-pouring areas of the bottom plate.

3. The method for manufacturing the modular integrated building unit according to claim 2, characterized in that in Step J a whole piece formed by the top plate and the wall plates is hoisted to be disposed on the prefabricated bottom plate, and concrete is poured after reinforcing bars are bounded in the late-pouring areas between the prefabricated bottom plate and the wall plates.

4. The method for manufacturing the modular integrated building unit according to claim 1, characterized in that in Step J a whole piece formed by the top plate and the wall plates is hoisted to be disposed on a bottom plate mold, and after the exposed reinforcing bars at the bottom of the wall plates are bounded with bottom plate reinforcing bars, concrete is poured on the bottom plate mold, so as to form the bottom plate of the building unit that is connected with all wall plates.

5. The method for manufacturing the modular integrated building unit according to any one of claims 1 to 4, characterized in that in Step B the formwork is fixed to two adjacent sides of the base platform from outside, with two of the wall plates being fixed on the base platform and secured to the formwork firstly; and

in Step C the other two of the wall plates are fixed on the base platform.

6. The method for manufacturing the modular integrated building unit according to claim 5, characterized in that in Step B wall plate outer molds are fixed on the formwork before fixing the wall plates, the wall plate outer molds being located in the late-pouring areas between adjacent wall plates.

7. The method for manufacturing the modular integrated building unit according

to any one of claims 1 to 4, characterized in that in Step F the base mold is arranged outside of a top of the top plate supporting frame.

8. The method for manufacturing the modular integrated building unit according to any one of claims 1 to 4, characterized in that each of the late-pouring areas has a width in a range of 300 to 500 mm.

9. The method for manufacturing the modular integrated building unit according to any one of claims 1 to 4, characterized in that in Step A a ledge extending in a direction toward the top plate is provided on a top of each wall plate when the wall plate is prefabricated.