Claims

1. A method of constructing a building, comprising the steps of:

providing a pair of vertical supports in the form of providing of steel-bar-reinforced concrete sidewalls;

running processes a) and b) concurrently; wherein

process a) includes mould-casting of new sections of steel-bar-reinforced concrete sidewalls on the top of the steel-bar-reinforced concrete sidewalls;

process b) includes inserting a pre-fabricated room module horizontally into a position between the steel-bar-reinforced concrete sidewalls and below than the mould-casting; and

securing the pre-fabricated room module to the steel-bar-reinforced concrete sidewalls such that the weight of the pre-fabricated room module is borne by the steel-bar-reinforced concrete sidewalls.

2. A method of constructing a building as claimed in claim 1, comprising the further steps of:

installing a guide on each of the pair of vertical supports, the guide being capable of bearing the weight of the pre-fabricated room module, and the guide capable of guiding movement of the pre-fabricated room module horizontally into the space between the pair of vertical supports;

the guide being removable and re-installable on the vertical supports.

3. A method of constructing a building as claimed in claim 2, wherein

the guide comprises:

an elongate rail capable of being secured on each of the sidewalls such that the length of the rail is parallel to the ground;

each rail having rollers capable of moving in the rail;

the rollers being connected with a chain assembly capable of being secured to a room module;

the step of insertion of a pre-fabricated room module into a position between the pair of vertical supports includes:

moving a room module into the space between the pair of vertical supports using a crane;

connected the chain assembly of each rail to a respective side of the room module such that the guide takes over the weight of the room from the crane;

moving the pre-fabricated room module using the rollers in the rail.

4. A building under construction comprising

a pair of vertical supports in the form of steel-bar-reinforced concrete sidewalls defining a channel for being installed with pre-fabricated room module;

the top of the pair of steel-bar-reinforced concrete sidewalls having a new section of steel-bar-reinforced concrete sidewalls being mould casted;

a pre-fabricated room module installed in the channel below the new section of steel-bar-reinforced concrete sidewalls.

5. A building under construction as claimed in claim 4, wherein

the pair of vertical supports comprises guides for guiding the insertion of the pre-fabricated room module into the channel horizontally.

6. A building under construction as claimed in claim 5, wherein

the guides are removable to be reinstalled on a different height on the pair of vertical supports for receiving another pre-fabricated room module into the channel horizontally.

7. A building under construction as claimed in claim 6, wherein

the guide comprises:

an elongate rail capable of being secured on each of the sidewalls such that the length of the rail is parallel to the ground;

each rail having rollers capable of moving in the rail;

the rollers being connected with a chain assembly capable of being secured to a room module.

8. A building under construction, as claimed in claim 5, wherein

the pre-fabricated room module is secured to the pair of vertical supports at about the height wherein the guides are installed.

9. A building under construction as claimed in claim 4, wherein

the pair of vertical supports in the form of steel-bar-reinforced concrete sidewalls are arranged in parallel.

10. A building under construction as claimed in claim 4, wherein

the pair of vertical supports in the form of steel-bar-reinforced concrete sidewalls are arranged angularly to each other.

11. A pre-fabricated room module for assembly into a building under construction as claimed in claim 4.

12. A pre-fabricated room module for assembly into a building as claimed in claim 11; wherein

the pre-fabricated room module has a fan shape in the plan view.