Claims:

1. A method of constructing a multistorey building, the method including:

pre-fabricating a first building module off-site, the first building module having a precast concrete floor and a permanent outer wall fixed at a side edge of the floor so that the outer wall is supported by the concrete floor to extend vertically upward and defines part of a façade of the building; wherein the outer wall is supported by the floor at the side edge of the floor by a connection extending along the side edge such that the connection bears the load of the outer wall at the side edge without any other load-bearing support, the connection comprising a bracket of the outer wall connected to a fixing joint embedded along the side edge of the floor;

transporting the first building module to a construction site and assembling the first building module by crane adjacent an already installed second building module, whereby the outer wall forms an external safety barrier; and

horizontally joining the first floor with an adjacent floor of the second building module, thereby forming a concrete floor of a building.

2. The method claimed in claim 1, including installing a third building module having a third precast concrete floor above the first precast concrete floor.

3. The method claimed in claim 2, including using a temporary support member or a permanent support member defining an upstanding support member for supporting the third building module above the first building module.

4. The method claimed in claim 3, including installing a permanent support structure between the first and third building modules to vertically support the third building

module above the first building module, and removing the temporary support member.

5. The method claimed in claim 3 or 4, including attaching the temporary support member to the floor of the first building module off-site.

6. The method claimed in any one of the preceding claims, including post tensioning the precast floor slabs by installing a conduit between bores extending through the first precast floor and the second precast slab to form a tensioning passage that extends through both the first and second precast floors;

connecting the first and second precast floors, thereby forming a slab of a building; and

feeding a tensioning cable through the tensioning passage and tensioning the tensioning cable.

7. The method claimed in any one of claims 1 to 5, including:

prefabricating the first and second precast concrete floors with conduits forming a tensioning passage;

installing the first and second building modules so that the tensioning passages in the first and second precast concrete floors are aligned; and

feeding a tension cable through the conduit in the aligned first and second precast concrete floors and post-tensioning the cable.

8. The method claimed in any one of the preceding claims, including precasting the first concrete floor slab to include a steel beam at least partially embedded into the first precast concrete floor slab.

9. The method claimed in any one of the preceding claims, including vertically inserting a pre-fabricated concrete wall panel in between the adjacently spaced

precast floor slabs, erecting formwork between the precast floor slabs and pouring concrete into the formwork to tie the vertical wall panel to the floor slabs.

10. A method of constructing a multistorey building, the method including:

pre-fabricating first and second building modules off-site, the first and second building modules having precast concrete floors and upstanding support members attached to the floors for supporting an upper floor; the first and second building modules each further comprising a permanent outer wall extending upwardly to define part of a façade of the building, wherein the outer wall is fixed at a side of each concrete floor via a connection extending along the side edge and configured to bear the load of the outer wall at the side of the respective concrete floor without any other load-bearing support, the connection comprising a bracket of the outer wall connected to a fixing joint embedded along the side edge of the floor;

transporting the first and second building modules to a construction site;

installing the first building module adjacently spaced from the second building module

installing a third building module having a third precast concrete floor above the first and/or second building module and supporting the third precast concrete floor slab on temporary support members;

installing a permanent support structure supporting the third building module above the first and second building modules; and

removing the temporary support members.

11. A building module used for constructing a multi-storey building, comprising a precast concrete floor and a facade wall, wherein the facade wall is attached to and supported by a side of the concrete floor so that the facade wall

extends vertically upward from the concrete floor for forming part of the building's facade, wherein the facade wall is supported by the precast concrete floor via a connection extending along the side edge and that is configured to bear the load of the facade wall at its side edge during transportation to the installation location without need for additional load-bearing support, the connection comprising a bracket of the façade wall connected to a fixing joint embedded along the side edge of the floor; and

the facade wall being configured so that when the building module is adjacently joined at the installation location to another similar building module having a facade wall, the facade walls create an external safety barrier on the multi-storey building.