Claims:

1. A building module used for constructing a modular multi-storey building with a concrete floor, comprising a base component for forming part of the concrete floor and a facade wall, wherein a lower end of the facade wall is attached to and supported by a side edge of the base component so that the facade wall extends vertically upward from the base component for forming part of the building's façade, wherein the facade wall is supported by the base component via a bracket and a fixing joint embedded in the base component, such that the base component 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; and

a temporary support member mounted on the base component to, in use, support at least part of a second building module above the building module.

2. A building module used for constructing a modular multi-storey building with a concrete floor, comprising a base component for forming part of the concrete floor and a façade wall, wherein a lower end of the façade wall is attached to and supported by a side edge of the base component so that the façade wall extends vertically upward from the base component for forming part of the building's façade, wherein the façade wall is supported by the base component via a bracket and a fixing joint embedded in the base component, such that the base component is configured to bear the load of the façade wall at its side edge during transportation to the installation location without need for additional load-bearing support; and

wherein the base component is a pre-cast concrete slab having cast-in tie bars protruding from another side

edge for anchoring the building module to in-situ poured concrete flooring.

3. The building module claimed in claim 2, wherein tensioning passages are provided in the pre-cast concrete slab for tensioning the concrete floor.

4. A method of constructing a multi-storey building, including:

pre-fabricating a building module off-site, the building module comprising a concrete floor slab fixed at an edge thereof to a lower end of a permanent outer wall so that the outer wall is supported by the concrete floor slab to extend vertically upward and defines part of a façade of the building, wherein the outer wall is supported by the base component via a bracket and a fixing joint embedded in the base component, such that the base component is configured to bear the load of the outer wall at its side edge during transportation to the installation location without need for additional load-bearing support;

transporting the building module to a construction site and assembling the building module by crane vertically above and/or adjacent an already installed building module and supporting the building module above and/or adjacent the already installed building module using a temporary support member, whereby the outer wall forms an external safety barrier;

installing a permanent support structure to support the building module in the multi-storey building when the temporary support member is removed and horizontally joining the floor slab with an adjacent pre-cast or poured concrete floor slab of the already installed building module; and

removing the temporary support member.

5. A method of constructing a multi-storey building, including:

pre-fabricating building modules comprising a floor portion fixed to a lower end of a permanent outer wall so as to support the wall vertically upright whereby the outer wall is configured to form a part of a façade of the multi-storey building, wherein the outer wall is supported by the base component via a bracket and a fixing joint embedded in the base component, such that the base component is configured to bear the load of the outer wall at its side edge during transportation to the installation location without need for additional load-bearing support;

assembling the building modules side by side such that the outer walls create an external safety barrier at a perimeter of an upper floor during construction of the building;

installing flooring and support structures to complete construction of the upper floor within the safety of the outer walls of the building modules.