

CLAIMS

1. A method of erecting a multi-storey structure having a facade disposed around at least a portion of a perimeter of the multi-storey structure, wherein during
5 construction, at least a portion of the facade is disposed to extend at least two storeys height beyond an upper work area of the structure and forms at least part of a safety barrier for that work area and wherein in erecting the multi-story structure, at least one further floor of the structure is erected over the upper work area, with the or each further floor forming a respective subsequent upper work area of the structure,
10 and wherein at least a portion of the facade is disposed to extend at least one storey height beyond the uppermost of the subsequent work areas and forms at least part of a safety barrier for that uppermost subsequent work area.
2. A method of erecting a multi-storey structure according to claim 1, wherein the or each further floor is formed such that the floor connects with the façade.
- 15 3. A method of erecting a multi-storey structure according to claim 1 or 2, wherein once the uppermost subsequent work area is formed, the facade is increased in height to extend at least two storeys height beyond the uppermost subsequent work area to enable at least one further floor of the structure to be erected whilst providing a safety barrier for that construction.
- 20 4. A method of erecting a multi-storey structure according to any preceding claim, wherein the facade is formed from a plurality of connected facade assemblies.
5. A method of erecting a multi-storey structure according to claim 4, wherein the facade is formed as a framework.
- 25 6. A method of erecting a multi-storey structure according to claim 5, wherein the facade is formed from a plurality of connected facade assemblies, the facade assemblies being in the form of modules and each module comprising a frame that in use form part of the facade framework.
7. A method of constructing a multi-storey building, the method comprising:
positioning a first facade assembly around at least a portion of a perimeter of
30 a multi-storey building, the facade assembly comprising a facade structure of at least one storey height, the facade structure being positioned such that it extends upwardly beyond an upper work area of the building and forms part of a safety envelope for that work area;

positioning a second facade assembly such that it extends upwardly from the first facade assembly, the second facade assembly comprising a second facade structure;

connecting a floor to at least the first facade assembly, such that the floor forms an uppermost floor erected over the upper work area.

8. A method as defined in claim 7, further comprising positioning a further facade assembly extending upwardly from the second facade assembly, such that an outer facade of at least two-storey height extends above the uppermost floor.
9. A method as defined in any one of claims 4 to 8, wherein the facade assemblies further comprise support structures.
10. A method as defined in claim 9, further comprising using the support structure of a respective facade assembly to adjust the angle of the facade structure with respect to the floor.
11. A method as defined in claim 9 or 10, further comprising removing at least part of the support structure from the building.
12. A method of constructing a multi-storey building, the method comprising:

positioning a first facade assembly around at least a portion of a perimeter of a multi-storey building, the facade assembly being in the form of a module and comprising a facade structure of at least one storey height, the facade structure being positioned such that it extends upwardly beyond an upper work area of the building and forms part of a safety envelope for that work area.
13. A method as defined in claim 12, wherein the module of the facade assembly is self supporting and arranged to be located in side by side and one on top of the other arrangement with other facade assembly modules.
14. A method as defined in claim 12 or 13 wherein the module is generally cuboid.
15. A method as defined in any one of claims 4 to 14, wherein the facade assembly has a base that forms part of the floor plate of the building.
16. A facade assembly configured to be disposed around at least a portion of a perimeter of a multi-storey building during construction, and disposed to extend beyond an upper work area of the building and form part of a safety envelope for that work area, the facade assembly being further arranged to be connected to at least one further floor erected over the upper work area, the facade assembly comprising a facade

structure arranged to connect to at least one further facade assembly located above the facade structure.

- 5 17. A facade assembly according to claim 16, further comprising a support system that provides support for the facade structure prior to connection of the further floor to the facade assembly.
18. A facade assembly according to claim 17, wherein the support system is adjustable to allow for angular adjustment of the facade structure relative to the upper work area.
- 10 19. A facade assembly according to claim 17 or 18, wherein the support system is removable from the facade structure.
20. A facade assembly according to any one of claims 16 to 19, wherein the support system comprises an upright section and a foot arranged to extend inwardly into the building in use.
- 15 21. A facade assembly according to claim 20, wherein the foot forms an extension of a floor of the building.
22. A facade assembly according to claim 20 or 21, wherein the support system comprises at least one brace that extends between the foot and the upright section.
23. A facade assembly according to claim 22, wherein the brace is extendable to change the angle of the upright with respect to the floor.
- 20 24. A facade assembly according to any one of claims 16 to 23, wherein the facade structure and support system of the facade assembly are provided as a module.
25. A facade assembly as defined in any one of claims 16 to 24, wherein the facade structure comprises a facade connector configured to connect the facade structure to the further facade assembly.
- 25 26. A facade assembly as defined in any one of claims 16 to 25, wherein the facade structure is in the form of a module that is self supporting.
27. A facade configured to be disposed around at least a portion of a perimeter of a multi-storey structure, wherein during construction, at least a portion of the facade is disposed to extend at least two storeys height beyond an upper work area of the structure and forms at least part of a safety barrier for that work area and for subsequent work area of at least one further floor erected over the upper work area.
- 30 28. A facade according to claim 27, wherein the facade is formed from a plurality of connected facade assemblies.
29. A facade according to claim 27, wherein the facade is formed as a framework.

30. A facade according to claim 29, wherein the facade is formed from a plurality of connected facade modules, each module comprising a frame that in use form part of the respective inner and outer frames.
- 5 31. A facade framework for constructing a structure having an outer facade, the framework comprising an inner frame, an outer frame spaced apart from the inner frame and connected thereto, a facade panel of the outer facade being affixed to one of the inner or outer frames.
32. A facade framework as defined in claim 31, wherein the facade panel comprises a window or wall.
- 10 33. A modular building system for building a multi-story structure, the system comprising modular units having an outer face wall portion, and at least one of a second wall portion and a floor portion.
34. A building constructed using the method of any one of claims 1 to 15.
35. A building constructed using the facade of any one of claims 16 to 26.
- 15 36. A building constructed using the framework of claim 31 or 32.
37. A building constructed using the modular units of claim 33.