Claims

1. A unitary structure defining a plurality of internal occupiable spaces, the unitary structure comprising:

a plurality of modules arranged to be adjacent to each other, each of the plurality of modules having at least one occupiable space; and

at least one binding member arranged to span across and couple adjacent modules,

wherein each of the plurality of modules further comprises a plurality of structural panels, each of the plurality of structural panels are assembled with adjacent structural panels by a plurality of mechanical connectors, and

wherein at least one edge of one module is aligned with a corresponding edge of the adjacent modules, and peripheral connection edges of said structural panels are shaped to allow a single positional engagement.

2. The unitary structure according to claim 1, wherein the plurality of structural panels comprises at least a roof panel and a floor panel.

3. The unitary structure according to claim 2, wherein the floor panel of an upper-level module is positioned on the roof panel of a lower-level module.

4. The unitary structure according to claim 2 or claim 3, wherein the binding member is arranged to couple adjacent modules on the roof panel of the module.

5. The unitary structure according to claim 3 or claim 4, wherein the binding member comprises a first rod arranged to be inserted through at least one edge of the lower-level module, and a second rod arranged to be inserted through at least one edge of the upper-level module, the first and second rods comprise an internally threaded end and an externally threaded end, the internally threaded end and the externally threaded end are arranged to be complementary with each other,

wherein the externally threaded end of the second rod is arranged to be inserted into the internally threaded end of the first rod.

6. The unitary structure according to any one of claims 1 to 5, wherein the binding member comprises an assembly of at least one tension cable and at least a pair of end anchors.

7. The unitary structure according to any one of claims 1 to 6, wherein the plurality of mechanical connectors comprises a bolt and ferrule system.

8. The unitary structure according to any one of claims 1 to 7, further comprising an interlocking plate arranged to span across and couple adjacent modules.

9. The unitary structure according to any one of claims 1 to 8, wherein peripheral edges of said panels include recesses to receive connectors along the peripheral edges.

10. The unitary structure according to any one of claims 1 to 9, wherein peripheral edges of said structural panels are stepped to receive flush edges.

11. The unitary structure according to any one of claims 1 to 10, further comprising connecting portions, wherein the connecting portions include casters for engaging adjacent panels and/or receiving a binding member for assembly into a building structure.

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