Claims

1. A method for constructing a modular building, comprising:

providing at least two frame elements on a base for accommodating stacked layers of one or more modular building units, respectively, therebetween; and

suspending at least one frame beam between the at least two frame elements for distributing a load generated by stacked layers of one or more further modular building units, respectively, supported on the at least one frame beam via the at least two frame elements.

2. The method of claim 1, further comprising providing the stacked layers of the one or more modular building units, respectively, on the base between the at least two frame elements.

3. The method of claim 2, wherein the stacked layers of the one or more modular building units are provided on the base, respectively, prior to suspending the at least one frame beam across the at least two frame elements.

4. The method of any one of the preceding claims, further comprising providing the stacked layers of the one or more further modular building units, respectively, on the at least one suspended frame beam.

5. The method of any one of the preceding claims, further comprising providing a compressible material on respective bottom surfaces of the at least one frame beam for sealing a gap between the bottom surfaces of the at least one frame beam and

respective top surfaces of the stacked layers of the one or more modular building units accommodated between the at least two frame elements.

6. The method of any one of the preceding claims, further comprising securing the one or more modular building units to the at least one frame beam such that the one or more modular building units apply a hanging load to the at least one frame beam.

7. The method of claim 6, whereby the one or more modular building units are arrested against vertical downward movement by the securing to the at least one frame beam.

8. The method of any one of the preceding claims, wherein providing the at least two frame elements comprises:

providing respective segments of the at least two frame elements on the base;

providing a storey of the stacked layers of the one or more modular building units on the base between the respective segments of the at least two frame elements; and

iteratively providing respective further segments of the at least two frame elements on the previous segments of the at least two frame elements and a further storey of the stacked layers of the one or more modular building units between the further segments of the at least two frame elements until a desired number of storeys is constructed.

9. The method of claim 8, wherein the at least one frame beam is suspended between the at least two frame elements after the desired number of storeys is reached.

10. The method of claims 8 or 9, wherein the segment of a first one of the at least two frame elements is provided, followed by providing the storey of the stacked layers of the one or more modular building units, followed by providing the segment of the second one of the at least two frame elements adjacent the storey of the stacked layers of the one or more modular building units.

11. The method of any one of the preceding claims, comprising iteratively providing at least two further frame elements on the at least one suspended frame beams for accommodating the stacked layers of the one or more further modular building units, respectively, therebetween, and
suspending at least one further frame beam between the at least further two frame elements for distributing a further load generated by stacked layers of one or more yet further modular building units, respectively, supported on the at least one further frame beam via the at least two frame elements and the at least two further frame elements.

12. The method of any one of the preceding claims, further comprising suspending a floor on the at least one frame beam for the support of the stacked layers of the one or more further modular building units.

13. The method of any one of the preceding claims, wherein one or both of the frame elements of the at least two frame elements comprise a frame wall.

14. The method of any one of the preceding claims, wherein one or both of the frame elements of the at least two frame elements comprise a pair of frame columns.

15. A modular building comprising:

a base,

at least two frame elements on the base;

stacked layers of one or more modular building units accommodated, respectively, therebetween;

at least one frame beam suspended between the at least two frame elements; and

stacked layers of one or more further modular building units, respectively, supported on the at least one frame beam;

wherein the at least one frame beam is configured for distributing a load generated by the stacked layers of the one or more further modular building units, respectively, supported on the at least one frame beam via the at least two frame elements.

16. The modular building of claim 15, wherein the one or more of the modular building units are secured to the at least one frame beam such that the one or more modular building units apply a hanging load to the at least one frame beam.

17. The modular building of claim 16, whereby the one or more modular building units are arrested against vertical downward movement by the securing to the at least one frame beam.