CLAIMS

1. A precast transportable construction body for a building system, the precast transportable construction body comprising:

a first reinforcing mesh and a second reinforcing mesh defining a steel framework, each reinforcing mesh being substantially flat;

a plurality of substantially spheroidal bodies sandwiched between the first and second reinforcing meshes, each of the plurality of bodies comprising protrusions, and each protrusion being configured to fasten to at least one of the first and second reinforcing meshes such that the plurality of bodies are fixed to and directly connect the first reinforcing mesh and the second reinforcing mesh;

a plurality of bottom connecting chairs attached to the second reinforcing mesh via engagement with integrated apertures in the bottom connecting chairs; and

a hardened material;

wherein the plurality of substantially spheroidal bodies are arranged and positioned between the first reinforcing mesh and the reinforcing second mesh such that the steel framework formed by the first and second reinforcing meshes substantially determines boundaries of the precast transportable construction body; and

wherein the plurality of substantially spheroidal bodies are arranged such that spaces are defined around and between each of the plurality of substantially spheroidal bodies that define a regular series of internal pillars of hardened material that provide the precast transportable construction body with load bearing capability.

2. A precast transportable construction body according to claim 1, wherein each bottom connecting chair comprises legs for defining a space between the second reinforcing mesh and a face of the precast transportable construction body.

3. A precast transportable construction body according to claim 1 or 2, wherein each of the plurality of bodies comprises a plurality of pairs of opposing protrusions protruding from each body defining channels for receiving section of the first and second reinforcing meshes.

4. A precast transportable construction body according to any one of the preceding claims, wherein each of the plurality of bodies comprises two sections releasably attached to each other.

5. A precast transportable construction body according to any one of the preceding claims, further comprising a plurality of trusses to support the connection between the first and second reinforcing meshes in a spaced apart relationship with respect to each other.

6. A precast transportable construction body according to claim 5, wherein each truss comprises an upper rod and two lower rods joined together by a pair of zig-zap shaped rods, the zig-zag shaped rods being joined together at the upper rod and each zig-zap shaped rod attached to a lower rod defining a triangular cross section of the truss.

7. A precast transportable construction body according to claim 6, wherein the bottom connecting chairs are configured to secure the two lower rods of the trusses to the second reinforcing mesh.

8. A precast transportable construction body according to claim 7, wherein each bottom connecting chair comprises two protrusions, each protrusion having first and second indentations, the protrusions being spaced apart with respect to each other to allow a section of two rods of the mesh to be located between the protrusions and into the first indentation and a section of the two lower rods of truss to be located in the second indentations.

9. A precast transportable construction body according to claim 8, wherein each protrusion comprises straps for securing the section of the two lower rods of a truss and the section of two rods of the second reinforcing mesh within the second and first indentation for securing the lower rods of the truss to the mesh.

10. A precast transportable construction body according to any one of claims 5 to 9, wherein the first reinforcing mesh is attached to the upper rod of the truss via a top connector.

11. A precast transportable construction body according to claim 10 wherein the top connector comprises a nut and a screw, the screw comprising a slot for receiving a section of the upper rod of the truss and a section of a rod of the first mesh, the nut being adapted to receive the screw for securing the section of the upper rod of the truss and the section of a rod of the first mesh when inserted in the slot for securing the section of the upper rod of the truss and the section of a rod of the first mesh together.

12. A precast transportable construction body according to any one of the preceding claims, wherein the plurality of bodies comprises insulating material.

13. A precast transportable construction body according to any one of the preceding claims, further comprising insulating material arranged between the plurality of bodies and each of the meshes.

14. A precast transportable construction body according to any one of the preceding claims, wherein each of the plurality of bodies is spherical.

15. A precast transportable construction body according to any one of the preceding claims, wherein each bottom connector chair comprises first and second apertures for inserting substantially parallel rods of the second mesh.

16. A precast transportable construction body according to claim 15, wherein each bottom connector chair comprises a recess configured to receive a rod of the second mesh that is substantially perpendicular to the substantially parallel rods of the second mesh.