PROJECT → **Slotfelt Barn, Denmark**



The barn's reconstruction included a new thatched roof.

Architect Praksis Arkitekter with Steffen Søndergaard

Location Møgeltønder, Denmark

By Hugh Strange

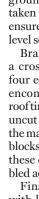
has prompted a total reconstruc-tion. The new building, owned by rugated metal roof and is attached low-level brick walls. Insulation, Denmark's Prince Joachim, now to the timbers with thick cotton houses a small cultural centre cord fixed via horizontal batdisplaying local history and host- tens, a construction that accoming temporary exhibitions and modates structural movements musical events.

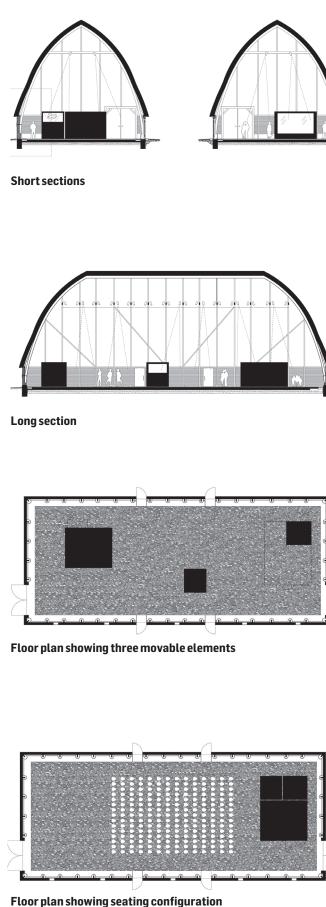
The 12m-high Slotfelt Barn ers were reconstructed by bolting Within the space sit three movatowers above the surrounding a number of thin layers of timber ble boxes made of black fibreglass together to form a single lami- that house toilets and projection mesh and bonded with a dollop of Møgeltønder, in the south- nated structure. These almost equipment. west Danish corner of the Jutland reach to the ground and, to pre- The original hard mud flooring porating smaller locally sourced peninsula. Built in the 1870s, the vent future rot, are raised above has been replaced by a 60mmbuilding was used to dry crops floor level, sitting on boulders set thick terrazzo floor, cast in a single but wet rot in the timber structure into the surrounding earth. The 300sq m piece. A concrete floor cut stones. The floor was then

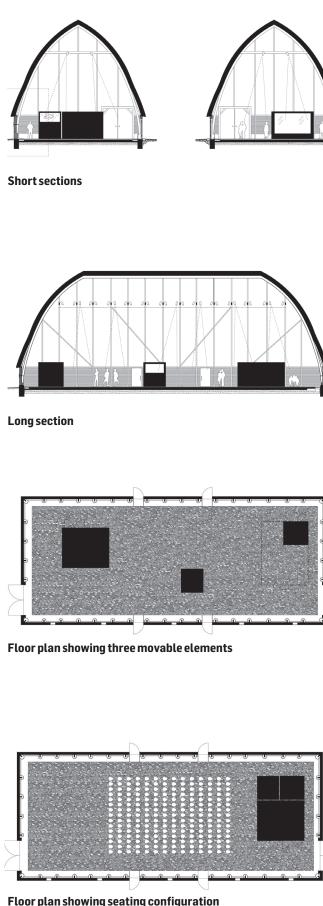
of almost half a metre result-The distinctive curved roof raft- ing from the strong local winds.

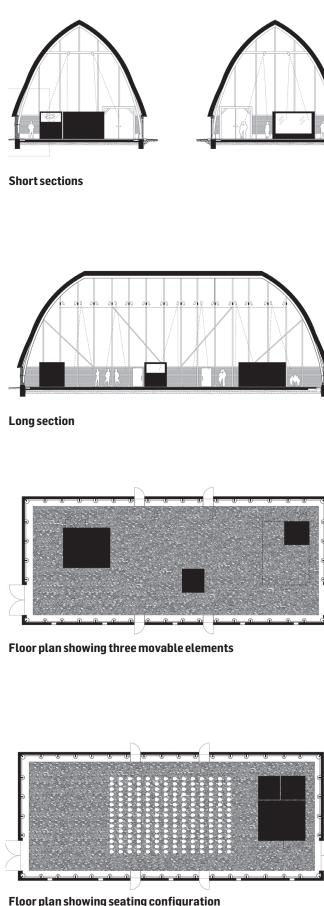
reinforcement and underfloor heating pipes were fixed to this before a screed was cast, onto which a mesh sheet was attached.

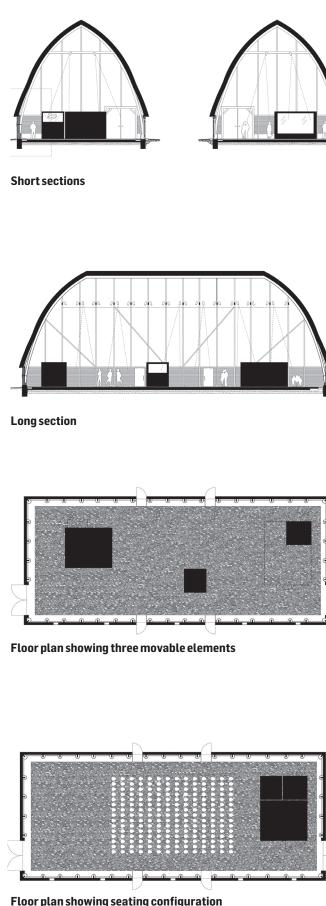
Large pebbles were collected from the surface of the surrounding fields and cut to form a flat face of mortar. A terrazzo mix incorpebbles was then poured, eventually levelling at the height of the

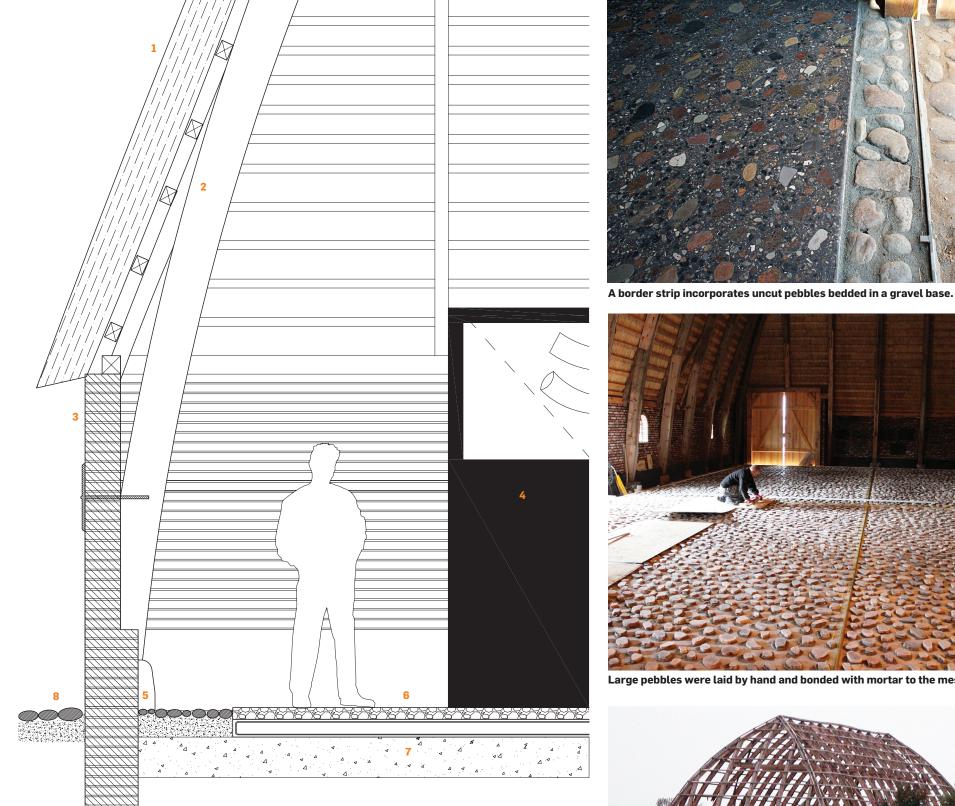












Detail section

1 Thatched roof fixed with thick cotton cord to battens 2 Large curved rafters of bolted-together timber planks bearing on large field-stone footings

3 Single wall brick 4 Black fibreglass movable boxes **5** Large natural field stones as footings 6 Insitu terrazzo flooring

on membrane, oiled finish 7 Concrete foundation with underfloor heating system 8 External path and internal border to terrazzo: small natural field stones embedded in loose gravel



The curved rafters are formed of thin layers of timber bolted together.

ground smooth. Great care was rich finish of a variety that belies taken while placing the stones to the uniform dullness of the uncut ensure their flat top surfaces were field stones as found. level so as to minimise grinding. **PROJECT TEAM** Brass movement strips form a cross, dividing the floor into **Architect** four equal parts. A border strip, Praksis Arkitekter encompassing the bases of the roof timbers, is formed by bedding with Steffen Søndergaard Client uncut pebbles in a gravel base. At the main thresholds, large granite **Structural engineer** Keld Abrahamsen blocks have been laid to cross over these edge strips, allowing disa- Services engineer (lighting) bled access into the building.

Finally the floor was treated Terrazzo flooring with linseed oil, bringing out a Peter Bendsen

Jesper Garde Kongshaug



The terrazzo floor surface was ground smooth before a linseed oil treatment was applied to bring out its rich finish.