# **PROJECT** → **The Caretaker's House, Hooke Park**



Architect Invisible Studio Location Hooke Park, Dorset Completion date 2012

## **By Hugh Strange**

works by Edward Cullinan and the building. Buro Happold, to more recent The house is largely constructed and grooved and lapped joints screws dents themselves.

the Big Shed, constructed by the was not able to specify the timber **PROJECT TEAM** students as part of the school's species, but instead improvised Architect Design & Make programme, on site with what the forester Invisible Studio with and in November the campus's provided them. In the event, this AA Intermediate Unit 2 latest structure was completed: turned out to be a lot of spruce, Client the Caretaker's House by Piers which was used for the structure, Architectural Association Taylor's Invisible Studio together a small amount of Douglas fir that Structural and services

While not quite as hands-on that was sawn and used for exter- Quantity surveyor as some of the school's recent nal cladding, and poplar that was Invisible Studio projects, the house nevertheless used for the internal joinery. involved AA students in various Passivhaus standards were Clark Associates ways from start to finish: provid- achieved with excellent levels Main contractor ing conceptual scheme design lay- of insulation and airtightness Greenheart Sustainable

offices on technical construction and taping the outside of the Short section internships with the main contractor on site.

The AA's Hooke Park has a the north is a largely blank, well-responds very quickly. remarkable assortment of inno- insulated wall, while the rooms vative timber structures, from address the south, with French resulted in a fair amount of movethe early workshop by Richard doors opening out to a covered ment within the construction 2 Exterior wall Burton and Frei Otto, through verandah extending the length of over the first six months, this has

constructs built by the AA's stu- out of green timber sourced from throughout limited the impact of Hooke Park's own woodland. this initial stage. Last April saw the addition of The meant that the design team with AA Intermediate Unit 2. formed the ground beams, cedar **engineer** Buro Happold

outs, working at Invisible Studio's provided by full fill insulation Construction

drawings, and taking summer OS boards. Heating is provided by a solid fuel Rayburn cooking stove that supplies radiators and The new building provides on- hot water cylinder. For fuel, the site staff accommodation within a Rayburn uses waste wood from single-storey building, with sepa- student construction projects; Structural sheathing rate living and sleeping blocks the building's lightweight and SW roof joists with joined by an over-sailing roof. To well insulated construction full fill insulation

> While the use of green timber now settled, and use of tongue timber fixed with s/s

Planning supervisor

Galvanised sinusoidal metal sheeting on Roofshield underlav Vapour barrier 15mm fair-faced plywood

Roofshield underlay 60mm continuous insulation 150x50mm SW wall studs with full fill insulation Vapour barrier 12mm fair-faced plywood

**3 Floor** 19mm T&G plywood with glued joints 40mm floating floor insulation Vapour barrier Sarking board SW floor joists with 200mm full fill insulation Steel piles

1 Utility room 2 Dining room 3 Breezeway 4 Bedroom 5 Bathroom mezzanine



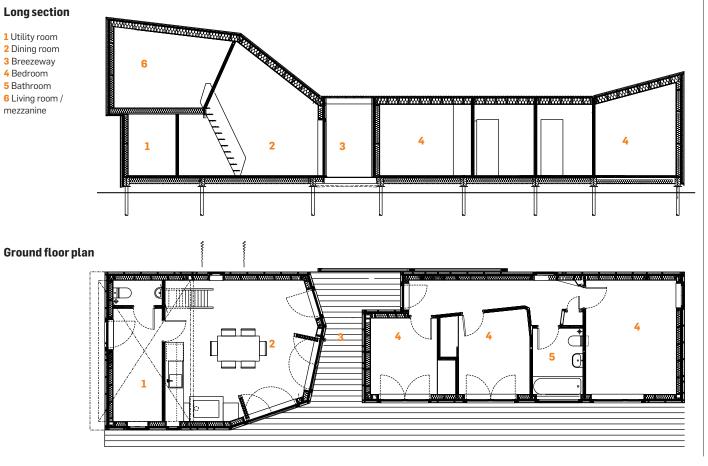




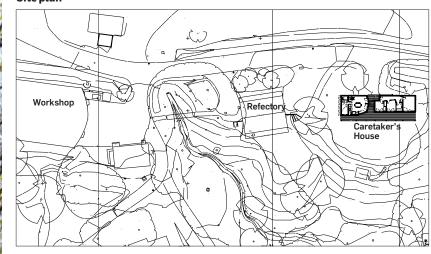
Above left: Stairs lead up to the living room mezzanine.

Above: A verandah with views of the woods extends along the building.

Left: An over-sailing roof joins the bedroom wing (right), to the living area.



Site plar



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