

Award Category: Design Excellence

Project: Piper's End, Letty Green

Client: Mr & Mrs Bradbury

Architect: Niall McLaughlin



Highly commended for its imaginative design

A new dwelling in the green belt built to replace a nineteenth century property, 5 Piper's End has a steel frame with heavily insulated concrete floors and walls to provide thermal mass. It is naturally ventilated and uses a wood pellet boiler to power the underfloor heating.

The building has been designed as a Passive Solar house and uses the sun's heat to reduce

heating energy use. The majority of glazing is oriented to the south and behind the timber and glass cladding the house is constructed of heavy thermal mass materials. The canopy along the south facade prevents excessive overheating from the high summer sun.

The design of the house also seeks to minimise its environmental impact by using materials with low embodied energy and low environmental toxicity wherever possible. Timber, a carbon-neutral material is used extensively throughout the building for floor coverings, external cladding and purpose-made framing to glazing.

Judges comments:

“Visually arresting and set in a beautiful location, this “grand design” of a building is both startling and spectacular.”