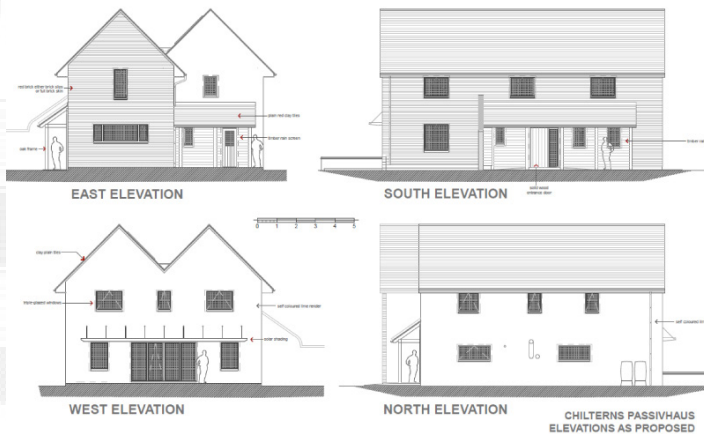


LITTLEPITS, PASSIVHAUS

A five bedroom detached house, a replacement dwelling in the Chilterns Green Belt. The design was to meet the exacting Chilterns Design Guide and to address planning concerns on visual impact on the Green Belt.



DESIGN

To meet the exacting Chilterns Design Guide and to address planning concerns on visual impact on the Green Belt.

PROJECT

The house also incorporated a Glathaar basement system which Passivhaus Homes had detailed to the Passivhaus standard.

FINISHES

A mix of lime render, brick, & timber cladding and including two green oak porches

INSULATION

Walls and roof insulated with 360mm Thermofloc cellulose insulation.

PASSIVHAUS STATISTICS

TFA 317sqm Form Factor 2.43 with average wall/roof U value **0.085W/m²K**, **Floor 0.07W/m²K**, **Average whole window/door U values** from **1.02-0.85W/m²K**. **Heating Demand 11.1 kWh/m²a**, **Heating Load 7.3 W/m²**

Airtightness: 0.087ach@50Pa

'This is lowest result achieved in
30 years of doing the testing'

Janet Cotterell

Finalists in Structural Timber Awards 2016 for

'Most Innovative Product' for the

PH15 Timber frame system for Passivhaus Projects

PHH Passivhaus Homes Ltd.

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