



The Intelligent Design Centre

Creative thinking in architecture, engineering and the built environment

ZERO CARBON HOUSE, CHORLEY

The clients challenge was to develop a wholly sustainable family eco house, incorporating local materials and maximizing the natural environment into which the property is to be built.

The proposed residence, located in Chorley Lancashire, will be carbon neutral and achieve Code Level 6 of the 'Code for Sustainable Homes'. In order to achieve this, the house will be positioned and detailed to reduce energy consumption whilst minimising overheating through solar gain. The building incorporates ancillary accommodation within the created roof space, living space at ground floor level and bedrooms at the lower ground floor level.

The building is centred upon a spine wall of rough hewn coursed natural stone that threads its way through the building both externally and internally. This concept is a visual interpretation of the local vernacular and ensures that visually the building sits low in the site and encourages the landscape to mature around and over it.

Location: Chorley

Key Aspects: Architecture, Sustainability, Planning

