

Dear Mr Riley

I note that the Residents Forum have commented that "they would expect consideration to have been given to the provision of energy saving measures....."

We are the owners of the house, and completely agree that energy saving measures must be considered and implemented. We have undertaken (and are undertaking) considerable research to ensure that this house will be very energy efficient, both for environmental reasons and to keep running costs low.

Our key consideration is to reduce energy losses by creating a house that needs minimal heat input. This will be achieved by:

- There will be external insulation over the house. The cladding is to cover and protect this insulation.
- There will be a vapour permeable membrane sealing the whole of the house to avoid heat transference by air movement.
- An MVHR system will ensure proper ventilation with heat recovery.
- Windows and glazed doors will be triple glazed, sourced from a company who specialise in highly energy efficient and insulated fittings.
- Connections between windows, doors and the rest of the structure will be sealed.
- The ground floor slab will be well insulated.
- The design of the energy efficient measures is to be guided by Enerfit principles and in excess of Building Regulations.
- Provision is being made to fit solar panels at a later stage (solar technology is improving fast). The original drawings had Velux-type roof windows at high level on the West side. These have been moved to the East side so that solar can be fitted on the West side.
- Space for a plant room has been created under the catslide roof so that a hot water cylinder can be fitted at a later stage to work with the proposed solar array.

Heat pump technology is also advancing fast, but as professional heating engineers we do not feel that it is currently far enough advanced. Therefore our intent is to create minimal need for heat input while avoiding the need for the considerable heat losses from a hot water cylinder.

Do contact us if you have any queries.

Regards