

IMPORTANT INFORMATION

In order to gain compliance it may have been necessary to make amendments to the construction notes as listed below. It is important you recognise any changes as they have been used in our calculations and I would advise you to have them amended on all drawings or notify us of any changes that need to be made:-

1. **Thermal Bridging:** As calculated to **AS CALCULATED BY Recognised Construction Details** For further information please refer to:
<https://www.recognisedconstructiondetails.co.uk/>
2. **Floor Construction:** **Ground Floor:-** 100mm Dense Concrete block in 150mm block and beam floor system, 1000 gauge membrane, 150mm Celotex XR4000 (conductivity 0.022W/m.K), 500 gauge membrane and 75mm screed internal finish (U-Value 0.12W/m²K)
3. **Wall Construction:** **Brick and Block:-** 100mm Brick outer leaf; 100mm cavity partially filled with 90mm Celotex Thermaclass 21 (Conductivity 0.021W/m.K); 100mm Supabloc (Conductivity 0.11W/m.K) internal leaf with 12.5mm plasterboard on dabs internal finish (U-Value 0.18W/m²K).
4. **Roof Construction:** **Pitched Roof:-** 100mm Mineral wool laid between joists with an additional 400mm laid across at 90 degrees with 12.5mm plasterboard internal finish (U-Value 0.09W/m²K).
5. **Openings:** Front door not to exceed 1.1W/m²K; fully glazed doors and windows not to exceed 1.2W/m²K. (not including French door sidelights).
6. **Assumed Air Permeability:** 4
7. **Boiler:** Vaillant ecoFIT Sustain 835 (please check make and model with plumber) feeding radiators with 45 Degree flow temperature.
8. **Hot Water:** From main heating system With Zyphe Pipe 75 Shower Waste Water Heat Recovery System to En-Suites
9. **Low Energy Light Fittings:** To be 10 Watts with an efficiency of 100 Lumens per circuit Watt
10. **Additional Notes:** Intermittent Mechanical Extract System

Photovoltaic modules fitted: 1.32kWp to the East elevation.

Shower flow rate to be no more than 8L/minute

Plot	DER/TER SAP 2012	DER/TER SAP 10
1	51.22%	2.38%
2	60.21%	6.89%
3	51.61%	2.27%