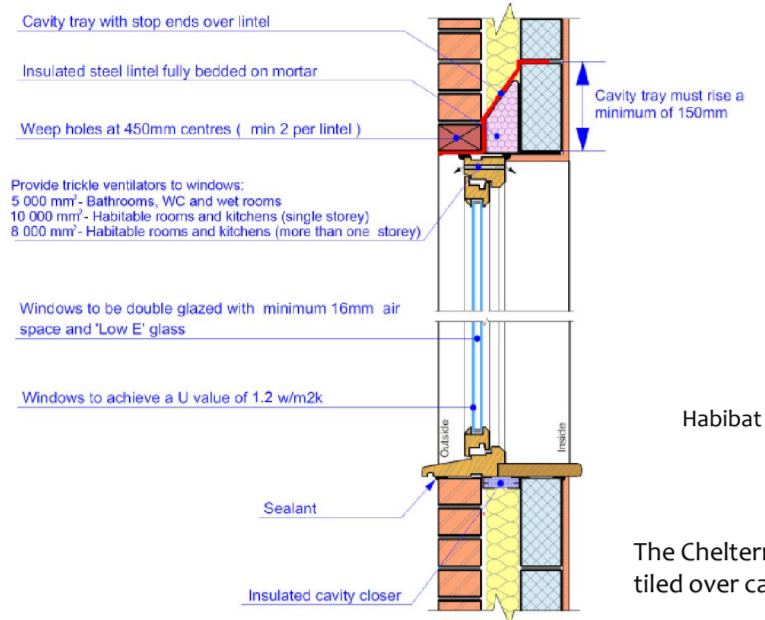


PLANNING APPLICATION



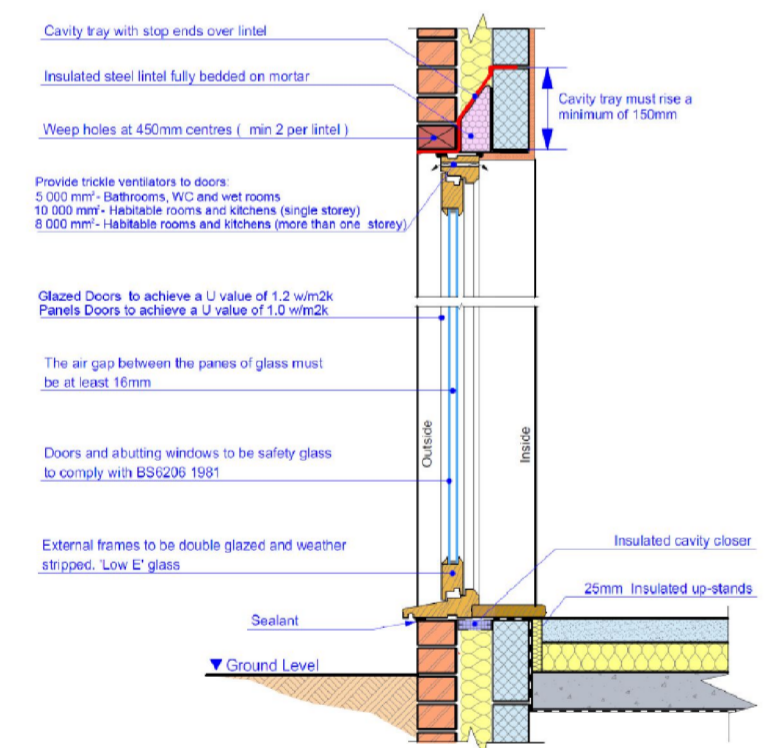
Windows to achieve a U value of 1.2 w/m²k
Windows to be double glazed with minimum 16mm air space and 'Low E' glass
Safety glass (toughened or laminated) shall comply with building regulations and have markings on each piece of safety glazing.
The area of windows, rooflights and doors should not exceed 25% of the floor area of the room in which it is located.
If the area of windows, rooflights and doors exceeds 25% of the total floor area, compensating measures should be included elsewhere in the work to improve the energy efficiency of the dwelling.
Background ventilation to be provided via window trickle ventilators:

- 8 000mm² - Habitable rooms and kitchens (more than one storey dwellings)
- 10 000mm² - Habitable rooms, kitchens (single storey dwellings)
- 5 000mm² - Bathrooms, WC and utility rooms

All windows to be fitted with draught-proof seals.
Insulated cavity closers should be installed where appropriate and insulated plasterboard to be used in reveals
Minimum overlap between the frame and cavity closer 30 mm

FE FRONT ELEVATION

SCALE 1 : 30



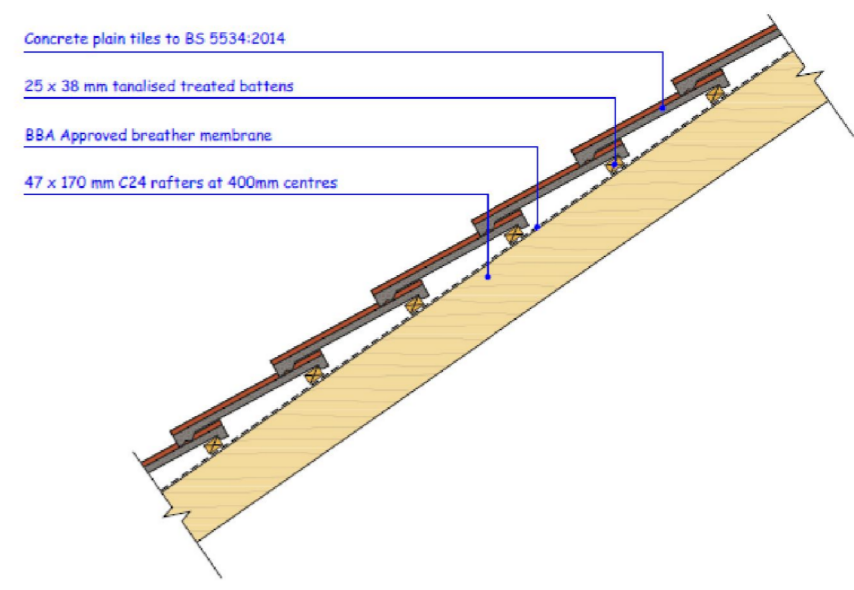
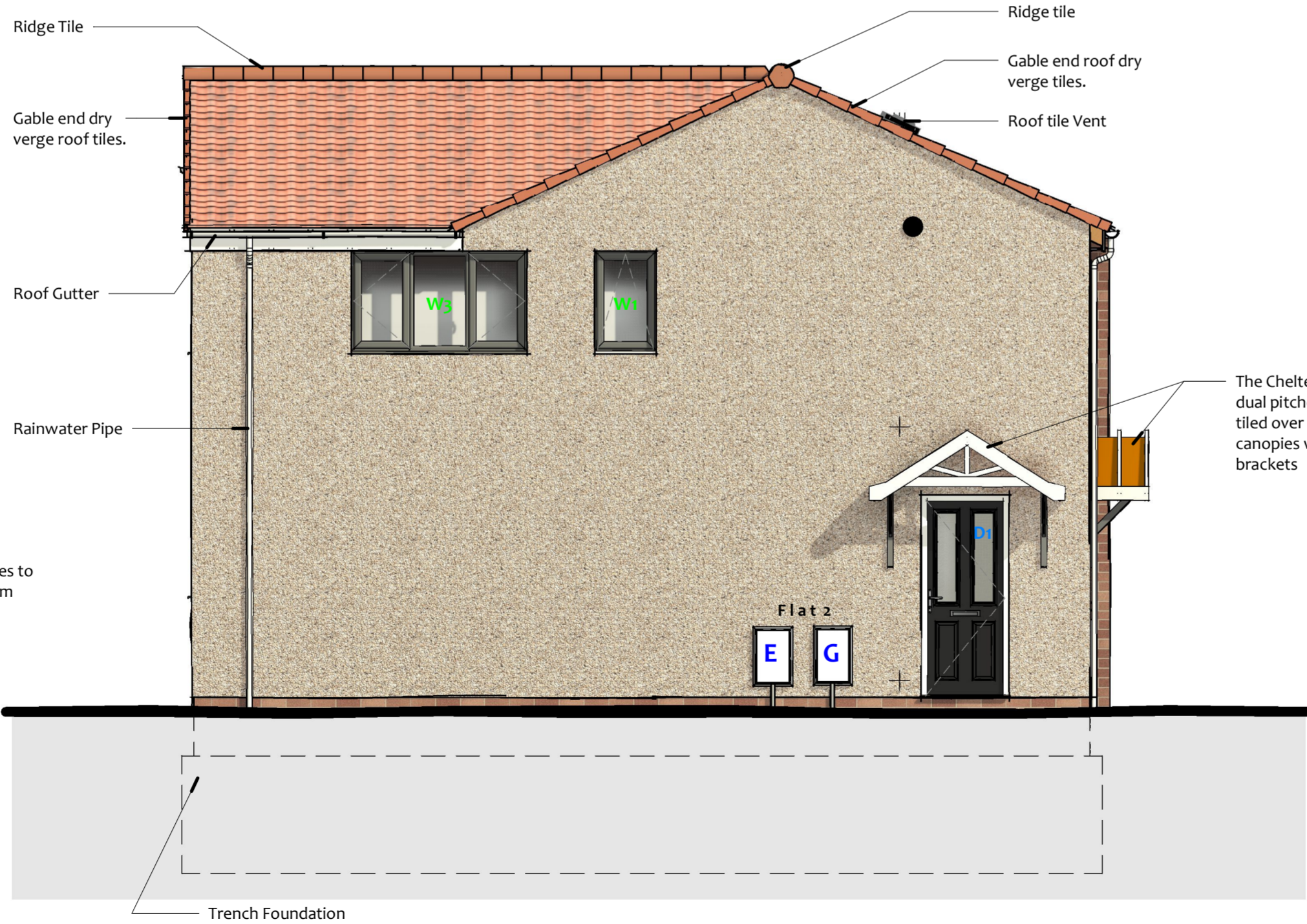
Glazed Doors (more than 60% glazed area) to achieve a U value of 1.2 w/m²k
Panels Doors (less than 60% glazed area) to achieve a U value of 1.0 w/m²k
External frames to be double glazed and weather stripped, 'Low E' glass. Frames to 'Fensa' standards. The air gap between the panes of glass must be at least 16mm
Doors and abutting windows to be safety glass to comply with BS6206 1981.
Safety glazing to have markings on each piece of safety glazing.
Background ventilation to be provided via doors trickle ventilators:

- 8 000mm² - Habitable rooms and kitchens (more than one storey dwellings)
- 10 000mm² - Habitable rooms, kitchens (single storey dwellings)
- 5 000mm² - Bathrooms, WC and utility rooms

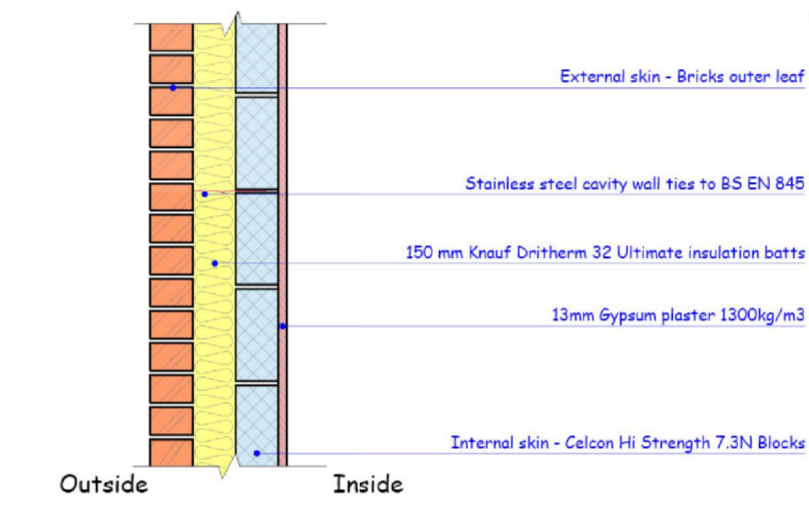
Minimum overlap between the frame and cavity closer 30 mm
Entrance door to be 932mm wide with a disabled threshold. Ensure door has a minimum clear opening of 775mm.
Insulated cavity closers should be installed where appropriate and insulated plasterboard to be used in reveals
All doors to be fitted with draught-proof seals.

RS RIGHTSIDE ELEVATION

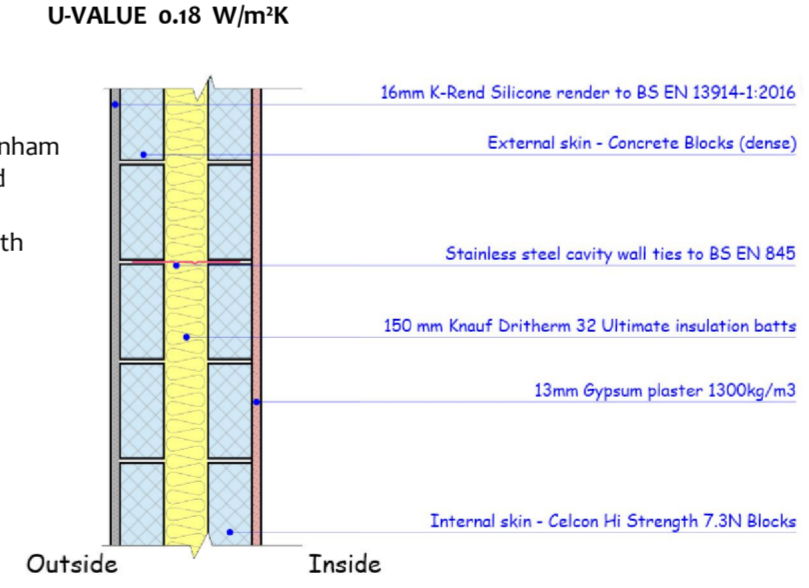
SCALE 1 : 30



Pitched roof construction. Roof pitch 25°
Marley Ludlow Major concrete tiles to be fixed and lapped strictly in accordance with the manufacturer's instructions on 25 x 38mm tanalised sw treated battens on breather roofing membrane with BBA or other approved accreditation.
Supported on 47 x 170mm C24 softwood treated timber rafters at 400 centres. Rafters nailed over 100 x 50mm wall plate that is mortar bedded and strapped to inner leaf with 1000 x 30 x 5mm galvanised mild steel straps at maximum 2000mm centres. Provide 25mm continuous proprietary ventilation with insect mesh at eaves level and 5mm continuous ventilation at ridge level to allow for cross ventilation. Provide lateral restraint by installing galvanised mild steel straps 1000 x 30 x 5mm every 2m along the wall. Straps to be carried over at least 3 rafters with solid noggins and to be built into walls. Ensure that cranked end



Full fill cavity wall with brick finish.
New external walls to be minimum 102.5 mm suitable facing brick externally. Fully filled insulated cavity using 150 mm Knauf Dritherm 32 Ultimate. Cavity wall insulation installed in accordance with manufacturers details. Inner skin of 100mm Thermalite Hi Strength 7.3N Blocks, with compressive strength in accordance with structural engineer's details. Finish walls internally with 13mm Gypsum plaster 1300kg/m³ applied in accordance with manufacturers instructions. Taped and jointed complete with beads and skim plaster finish. All brickwork and blockwork is to be carried out in accordance with the latest amendments of BS 5628.
All mortar for external and internal walls shall be class 3 designation and be consistent in colour and quality throughout.



Full fill cavity wall with render finish.
16mm K-Rend Silicone render finish to comply to BS EN 13914-1:2016 applied in 2 coats onto 100 mm Concrete Blocks (dense). Fully filled insulated cavity using 150 mm Knauf Dritherm 32 Ultimate. Cavity wall insulation installed in accordance with manufacturers details. Inner skin of 100mm Celcon Hi Strength 7.3N Blocks, with compressive strength in accordance with structural engineer's details. Finish walls internally with 13mm Gypsum plaster 1300kg/m³ applied in accordance with manufacturers instructions. Taped and jointed complete with beads and skim plaster finish.
All brickwork and blockwork is to be carried out in accordance with the latest amendments of BS 5628.
All mortar for external and internal walls shall be class 3 designation and be consistent in colour and quality throughout.

U-VALUE 0.18 W/m²K