

Expanding foam gap filler as secondary seal

Apply flexible sealant to all interfaces between plasterboard and window/door frame members.

Glass in accordance with Specification and Acoustic consultants recommendations

Windows to local authority approval and be able to have the glass fitted from the inside. Internally beaded to comply with Secured by Design.

Mastic seal with backing pad by Window Manufacturer. Colour of mastic to match window frame.

12.5mm layer of gypsum based plasterboard and skim on studs with sealed perimeter and edges.

100mm Blockwork Refer to Structural Engineers information and specification

Insulation buildup to be confirmed to suit SAP requirements and calculations

Proprietary Insulated DPC to window jamb installed in accordance with manufacturers instructions.

102.5mm Facing Blockwork to Local Authority Approval

Dimensions: 100, 102.5, 160

This technical cross-section diagram illustrates the construction of a roof edge detail. The roof structure consists of a sloped concrete slab (hatched) supported by a vertical parapet wall (also hatched). A drainage system is installed along the edge, featuring a series of rectangular outlets or drains. The roof surface is covered with a layer of insulation, represented by a pattern of small circles. A curved pipe or channel is shown on the left, likely for external drainage. The diagram uses various hatching patterns to distinguish between the concrete, insulation, and structural components.

The diagram illustrates a wall section with the following details:

- Top Layer:** 102.5mm Facing Brickwork to Local Authority Approval.
- Insulation:** Insulation buildup to be confirmed to suit SAP requirements and calculations.
- Blockwork:** 100mm Blockwork Refer to Structural Engineers information and specification.
- Reinforcement:** External walls are to be tied using Stainless Steel ties in accordance with SE Recommendations and specification notes, typically spaced at 750mm c/c horizontally and 450mm c/c vertically. Not less than 2.5 ties /m².
- Ties:** Ties embedded 50mm to each leaf. Additional ties at openings 200mm c/c vertically within 225mm of joints.
- Dimensions:**
 - Overall height: 450mm.
 - Overall width: 102.5mm (brick) + 100mm (block) = 202.5mm.
 - Brick thickness: 102.5mm.
 - Block thickness: 100mm.
 - Vertical spacing of ties: 450mm.
 - Horizontal spacing of ties: 750mm.
- Labels:** "Refer Plan" points to the blockwork section.

The diagram illustrates a detailed cross-section of a roof assembly. From top to bottom, the layers are:

- Breather membrane**: The uppermost layer.
- Wall over lead to step below adjacent roof base and void filled with mineral wool or an empty tray / trapezoid below breather membrane (Subject to final chosen insulation specification). Outer lead level to allow falling of dry verge to hide top of brick**: A sloped section above the main roof deck.
- Roof Build-up: Roof Finish to Local authority approval on 50k2mm Trussed Softwood Batten on breather membrane on Timber Truss / Rafter**: The main structural roof deck.
- The leading edge Dry Verge finished in accordance with manufacturers recommendations**: The outer edge profile.
- 102.5mm Facing Brickwork to Local Authority Approval**: A vertical brick wall section.
- Insulation buildup to be confirmed to suit SAP requirements and calculations**: A thick layer of insulation between the brickwork and the roof deck.
- 100mm Brickwork Refer to Structural Engineers information and specification**: A thinner brickwork section at the base.

Dimensions and labels within the diagram include:

- A horizontal dimension of **100** mm across the top right corner.
- A vertical dimension of **102.5** mm for the facing brickwork.
- A label **Solar Panel** pointing to a rectangular area on the roof deck.
- A small square symbol indicating a right angle at the junction of the brickwork and the roof deck.

VERGE DETAIL

A photograph of a modern building entrance. The entrance features a teal-colored door set within a dark grey frame. To the left of the door is a dark grey wall with a small, rectangular window. The building is constructed of light-colored brick. The entrance is surrounded by landscaping, including a small tree in a planter, a large potted plant, and various shrubs. A black metal railing is visible in the foreground.