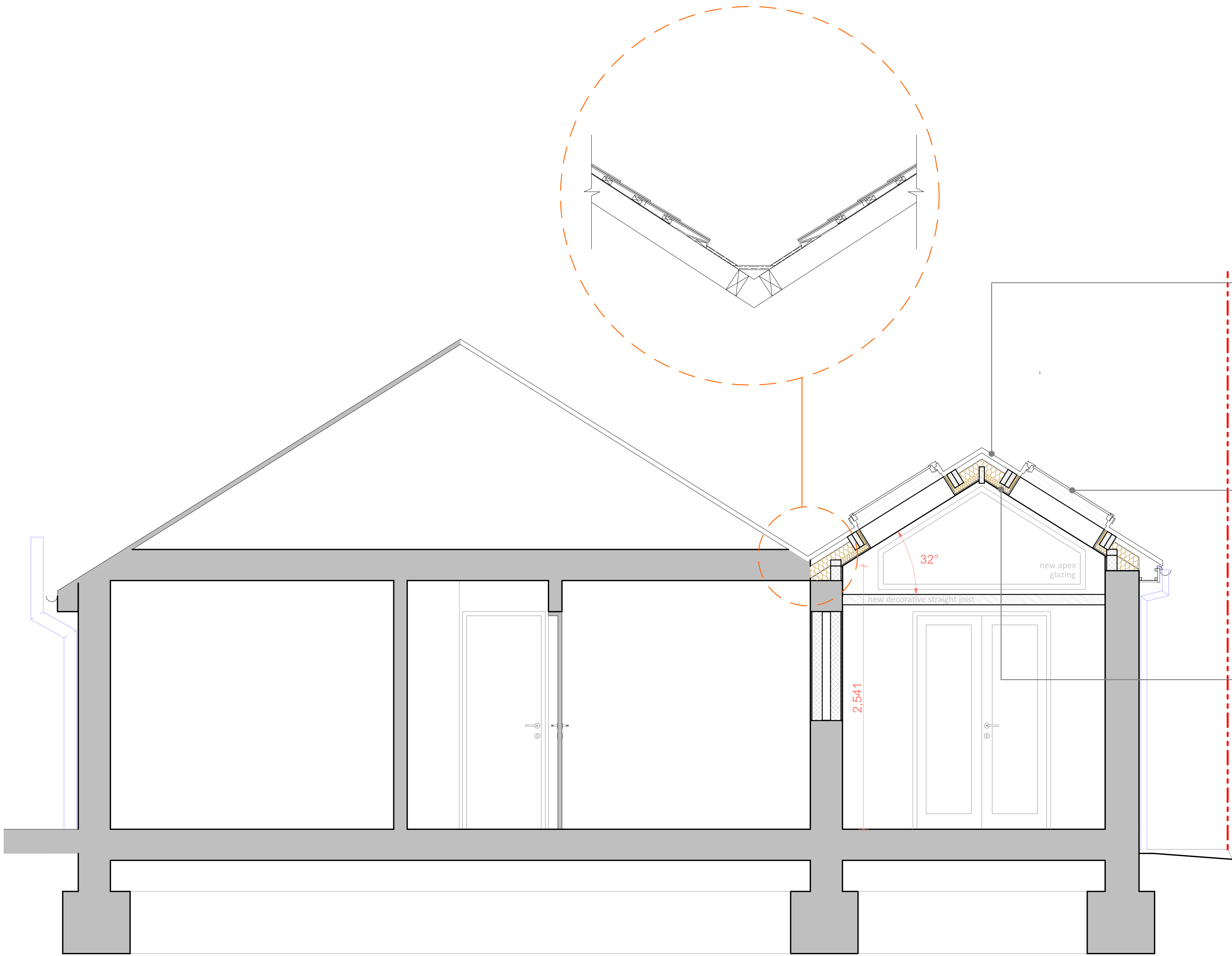




Cut Roof Construction with Tiles

Roof to be formed as traditional cut roof construction with rafters, purlins, ceiling joists and binders cut and fixed on site, sized, graded and spaced in accordance with the structural engineer's details and calculations.

Roof covering to comprise plain marley brown roof tiles over the new roof, color to match existing, suitable for 32deg pitch, installed strictly in accordance with BS 5534 and tile manufacturer's instructions (headlap, batten gauge and fixings to suit pitch application; proprietary flashing kits to suit pitch and covering).

Provide treated timber battens fixed over breathable roof underlay on rafters. All restraint straps, bracing and connections to be in accordance with engineer's specification.

Provide 25 mm continuous ventilation at eaves and 5 mm continuous ridge/abutment ventilation (or proprietary system) to ensure cross-ventilation of the roof void in accordance with BS 5250.

Construction to achieve compliance with Approved Document A (Structure), Approved Document B (Fire Safety) and Approved Document C (Resistance to Moisture).

New Rooflight

Provide Rooflight as per manufacturer's instructions with a minimum overall performance of U-value 1.4 W/m²·K or better, in accordance with the requirements of Approved Document L (Conservation of Fuel and Power).

All rooflights to be installed in accordance with manufacturer's instructions and to achieve compliance with Building Regulations.

Provide background ventilation in accordance with Approved Document F (Ventilation), using trickle vents sized to meet minimum equivalent area requirements.

Trim roof structure locally to form openings, using doubled/tripled trimmers and rafters as required, in accordance with structural engineer's details and manufacturer's recommendations.

Vaulted Ceiling

Provide insulation to vaulted ceiling.

Between rafters install 100 mm Kooltherm K107 insulation, tightly fitted, maintaining a continuous 50 mm ventilated air gap above to underside of roof underlay.

Provide continuous 25 mm equivalent ventilation at eaves, together with high-level abutment ventilation (equivalent to 5 mm continuous slot) at junction with main wall using proprietary abutment ventilators (e.g. Glidevale AV50 AbVent or similar).

Finish internally with 62.5 mm insulated plasterboard (Kingspan K118 or similar) to achieve thermal continuity, joints sealed to act as vapour control layer.

Construction to achieve U-value ≤ 0.15 W/m²·K in accordance with Approved Document L (Conservation of Fuel and Power)

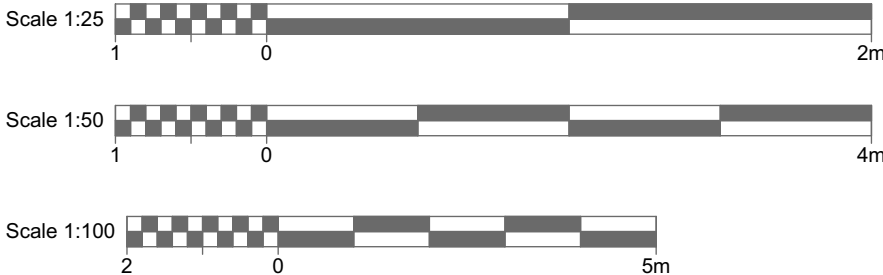
SECTION A-A

1:25

All Dims in millimeters unless otherwise stated.
Do not scale except for planning purposes.
If in doubt - Ask

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Val Pelovski