

Build up existing external walls in dense blockwork to encase rafters

Traditional slates (existing on the rear and new on the front elevation) on 38x18mm battens to BS 5534 on 47x195mm C24 rafters at 400mm centres—new and alongside existing —use 150mm 'Celotex' PIR XR4000 insulation between the rafters with 1200 gauge polythene vapour control layer with 9.5mm plasterboard and skim with gun grade sealant at each fixing point of the plasterboard—U value— 0.20Watts/m²K

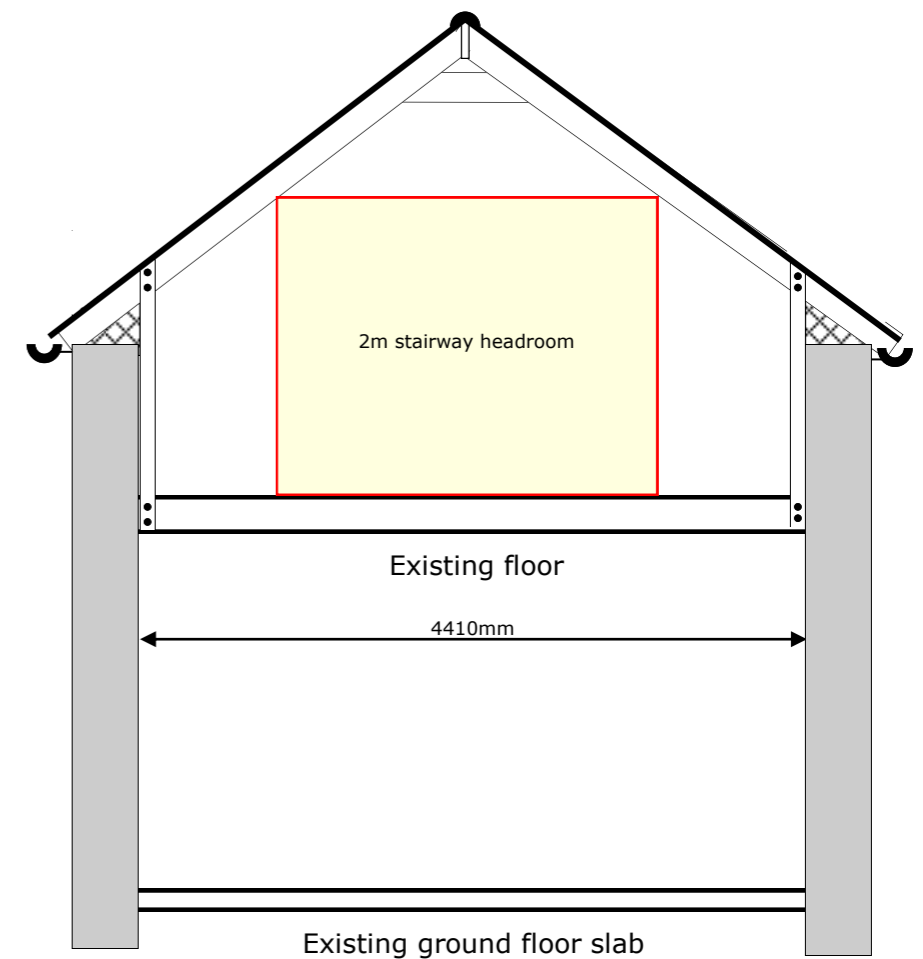
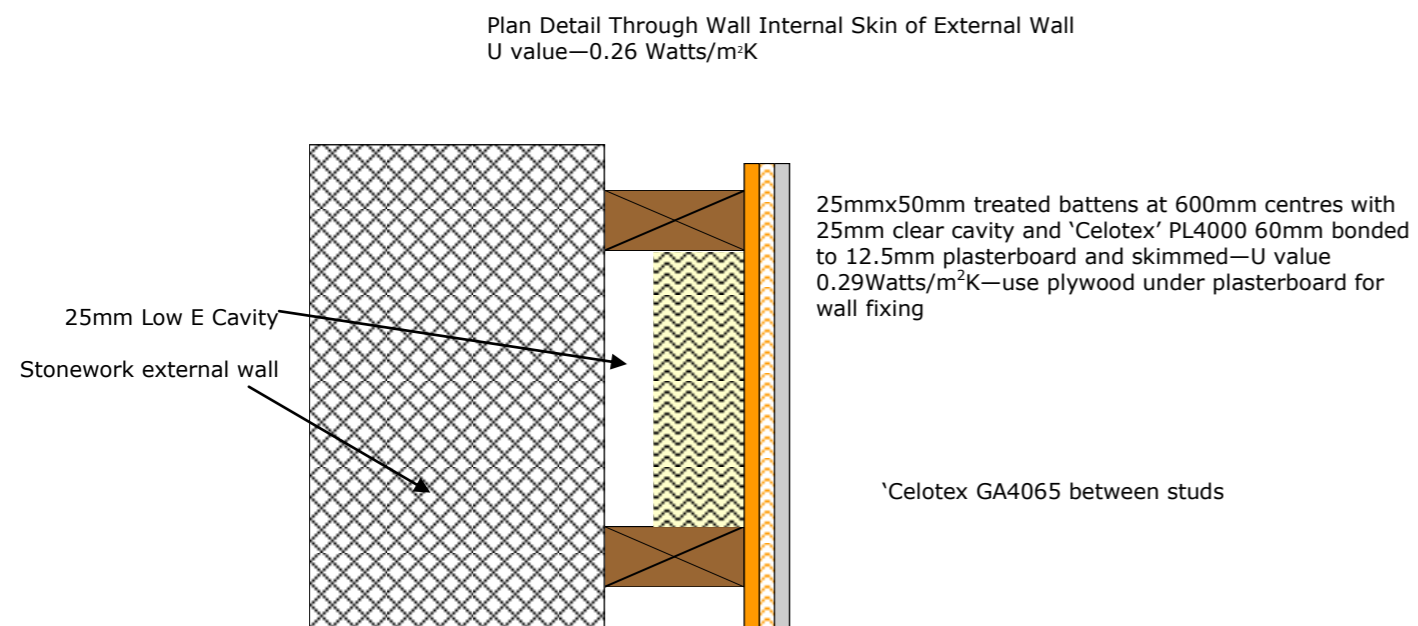
Double up rafters around rooflights and existing windows

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30mmx5mm galvanised anchor straps at 2m centres

50mmx100mm timber posts connecting new floor joists and rafters as shown with 2No. 12mm black bolt toothed connections with dog washers

These form the new external lining around the first floor external walls including the gable that consists of the section below:

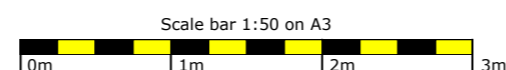


Loft conversion, dormer, rear extension and porch

At: Stone Cottage High Bickington Devon EX37 9BB

Client: Andy and Sarah-Jane Payne

Drawing No: EMA/2021/0010/0006



Roof Section Plan

Scale: 1:50

December 2020



EMA

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