

Rev/No	Revision note	Date	Signature	Checked

Roof construction to comprise:  
Marley Eternit 'Marley Modern' single lap interlocking concrete roof tiles, colour 'Smooth Grey', secured to 50 x 25mm pre-treated tanalised SW battens on on Redland 'Spirtech 250' vapour permeable underlay (laid unsupported with a slight sag [10mm] and not pulled taut) o/s, on grade C16 timber rafters 44x150mm @450mm centres to engineers design and specifications with 270mm (100+170)Rockwool roof over 47x120mm ceiling joists on 100mm x 75mm pre-treated timber wall plate securely fixed to head of internal leaf of masonry. Ceiling finished 12.5mm plasterboard with 3mm skim. All to engineers details and specification.

Roof construction to provide a performance U-value of 0.16 W/m<sup>2</sup>K.



PROPOSED FRONT ELEVATION | SCALE 1:50

Existing roof to be re-tiled with: Marley Eternit 'Marley Modern' single lap interlocking concrete roof tiles, colour 'Smooth Grey'.

Existing walls to be rendered with 18mm through coloured high impact-resistant polymer modified cementitious thin coat render system [K-Rend o.s.o], colour to be Polar White.



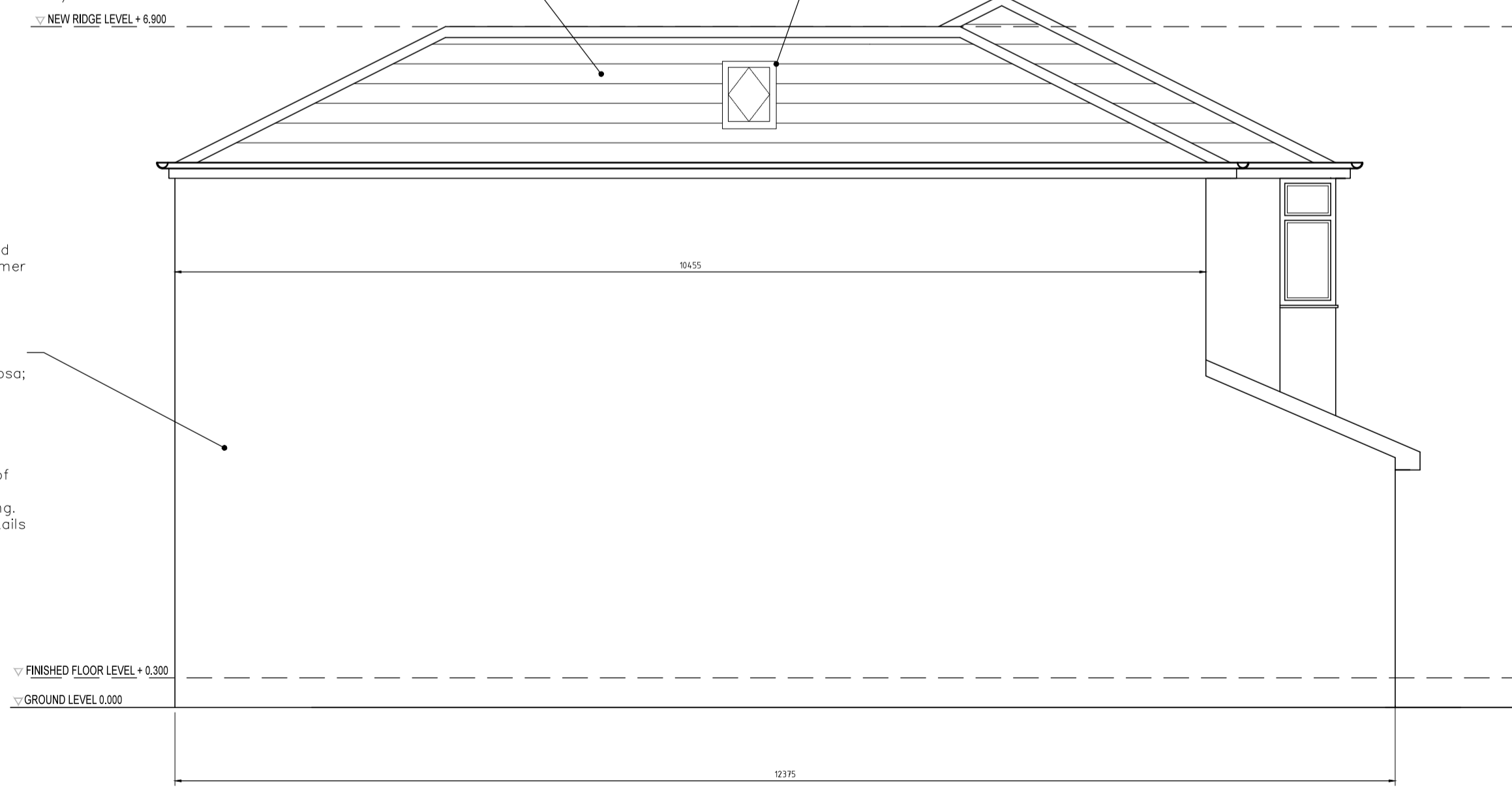
External wall construction to be 300mm cavity construction and consist of: 18mm through coloured high impact-resistant polymer modified cementitious thin coat render system [K-Rend o.s.o], colour to be Polar White; 100mm blockwork external leaf, Thermalite Shield (3.6N/mm<sup>2</sup>) o/s; 100mm cavity with 50mm Celotex CG5000 cavity wall board partial fill insulation (low emissivity aluminium foil faced both sides) or equal approved, 100mm blockwork internal leaf, Thermalite Shield (3.6N/mm<sup>2</sup>) o/s; finished with 12.5 mm plasterboard internally with 3mm skim finish.  
Construction to achieve an elemental U value of 0.22W/m<sup>2</sup>K.

NB. Rate of drying of render system will vary with conditions of temperature, humidity and ventilation. If necessary, precautions should be taken to retain sufficient moisture throughout curing. Refer to render manufacturer and blockwork manufacturers details and specifications respectively.

PROPOSED REAR ELEVATION | SCALE 1:50

Roof construction to comprise:  
Marley Eternit 'Marley Modern' single lap interlocking concrete roof tiles, colour 'Smooth Grey', secured to 50 x 25mm pre-treated tanalised SW battens on on Redland 'Spirtech 250' vapour permeable underlay (laid unsupported with a slight sag [10mm] and not pulled taut) o/s, on grade C16 timber rafters 44x150mm @450mm centres to engineers design and specifications with 270mm (100+170)Rockwool roof over 47x120mm ceiling joists on 100mm x 75mm pre-treated timber wall plate securely fixed to head of internal leaf of masonry. Ceiling finished 12.5mm plasterboard with 3mm skim. All to engineers details and specification.

Roof construction to provide a performance U-value of 0.16 W/m<sup>2</sup>K.



External wall construction to be 300mm cavity construction and consist of: 18mm through coloured high impact-resistant polymer modified cementitious thin coat render system [K-Rend o.s.o], colour to be Polar White; 100mm blockwork external leaf, Thermalite Shield (3.6N/mm<sup>2</sup>) o/s; 100mm cavity with 50mm Celotex CG5000 cavity wall board partial fill insulation (low emissivity aluminium foil faced both sides) or equal approved, 100mm blockwork internal leaf, Thermalite Shield (3.6N/mm<sup>2</sup>) o/s; finished with 12.5 mm plasterboard internally with 3mm skim finish.  
Construction to achieve an elemental U value of 0.22W/m<sup>2</sup>K.

NB. Rate of drying of render system will vary with conditions of temperature, humidity and ventilation. If necessary, precautions should be taken to retain sufficient moisture throughout curing. Refer to render manufacturer and blockwork manufacturers details and specifications respectively.

PROPOSED SIDE ELEVATION | SCALE 1:50

