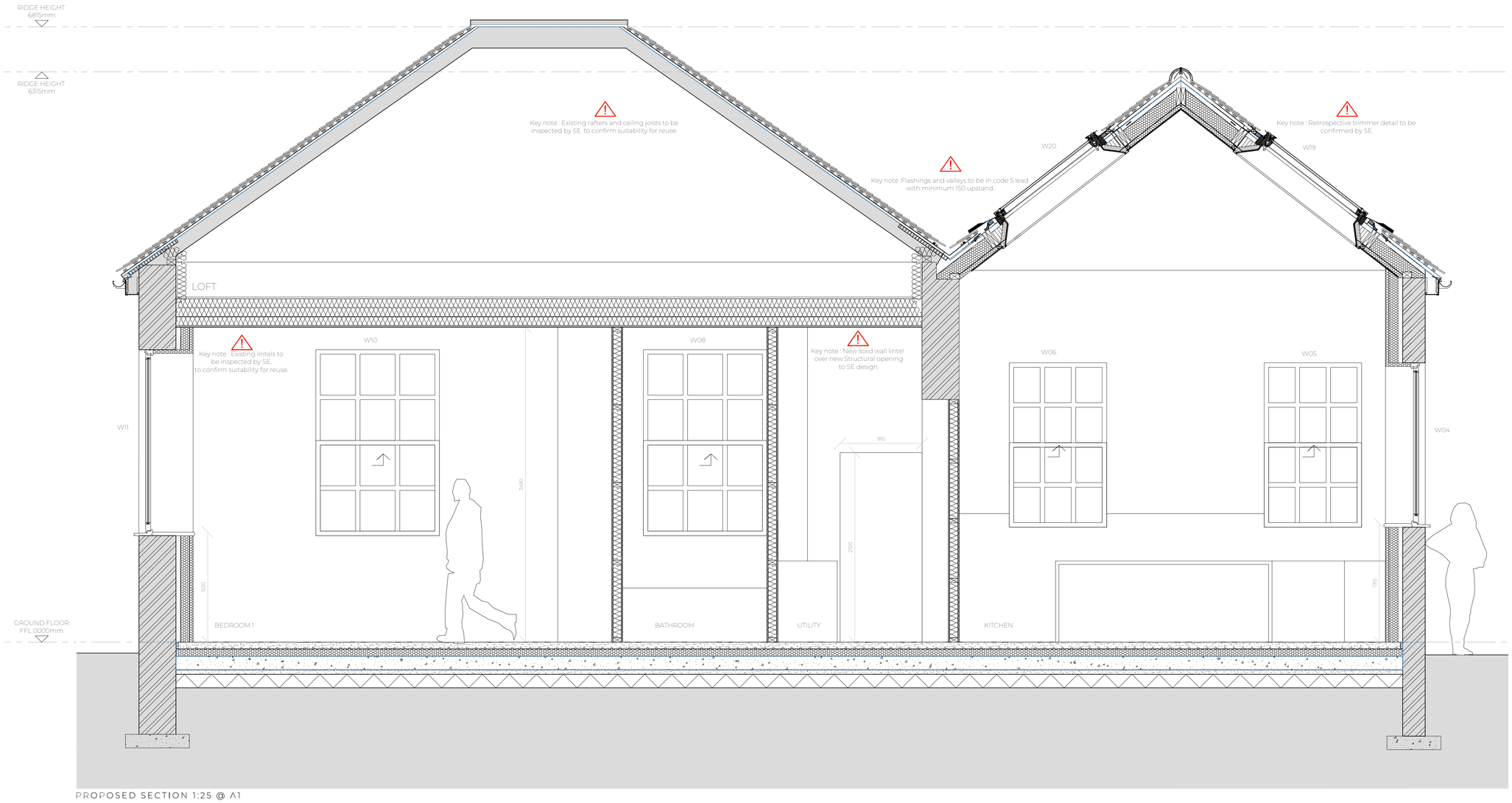


PROPOSED SECTION 1:25 @ A1

UPGRADED ROOF SPECIFICATION
(INSULATION AT RAFTER LEVEL)
To achieve a 'U' value of no worse than 0.15 W/m²K
Roof tiles to match existing on 25 x 38mm tiling battens on 25 x 38mm counter battens (as necessary)
Breathable membrane
Existing Rafters to be approved by structural engineer
150mm Kingspan Kooltherm K107 insulation between rafters with a further 75mm laid below
Internal finish to consist of 12.5mm vapour checked plasterboard and skim

UPGRADED ROOF SPECIFICATION
(INSULATION AT CEILING LEVEL)
To achieve a 'U' value of no worse than 0.15 W/m²K
Roof tiles to match existing on 25 x 38mm tiling battens on 25 x 38mm counter battens (as necessary)
Breathable membrane
Existing Rafters and ceiling joists to be approved by structural engineer
100mm Rockwool insulation between joists with a further 200mm laid above
Internal finish to consist of 12.5mm vapour checked plasterboard and skim

UPGRADED WALL SPECIFICATION
To achieve a U-value no worse than 0.18 W/m²K
Assumed 250mm solid brickwork to match existing
DPC strips on studs
150mm timber studs on vertical DPC strips with 90mm Kingspan Kooltherm K112 Framing Board insulation between studs
3mm skim finish 37.5mm Kingspan Kooltherm K118 Insulated Plasterboard

PROPOSED INTERNAL PARTITION WALLS SPECIFICATION
70 x 50mm timber stud walls with 12.5mm plasterboard and skim on either side, with 50mm mineral wool acoustic insulation between studs.

UPGRADED FLOOR SPECIFICATION
To achieve 'U' value of no worse than 0.18 W/m²K
Floor finish to client's specification
25mm high perimeter insulation upstand
75mm screed with underfloor heating within the screed layer
500 gauge separation layer
75mm Kingspan Kooltherm K103 Floorboard insulation
150mm concrete slab to SE. specification
1200 gauge DPM
50mm sand binding
150mm well compacted hardcore

Scale @ A1: 1:25

0 250 500 750 1000 mm

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REV	DATE	NOTES
A	11.05.23	Four pane 'Victorian' style sash windows amended to twelve pane 'Georgian' style sash windows as per client request.

TECHNICAL DESIGN

PROJECT:
Methodist Chapel
Dilhorne
ST10 2PG

DRAWING TITLE:
Proposed Section

DRAWN/APPROVED BY: SD/BR
DATE: 11.05.2023
DRAWING NO: 82_2022_05
REVISION: A

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