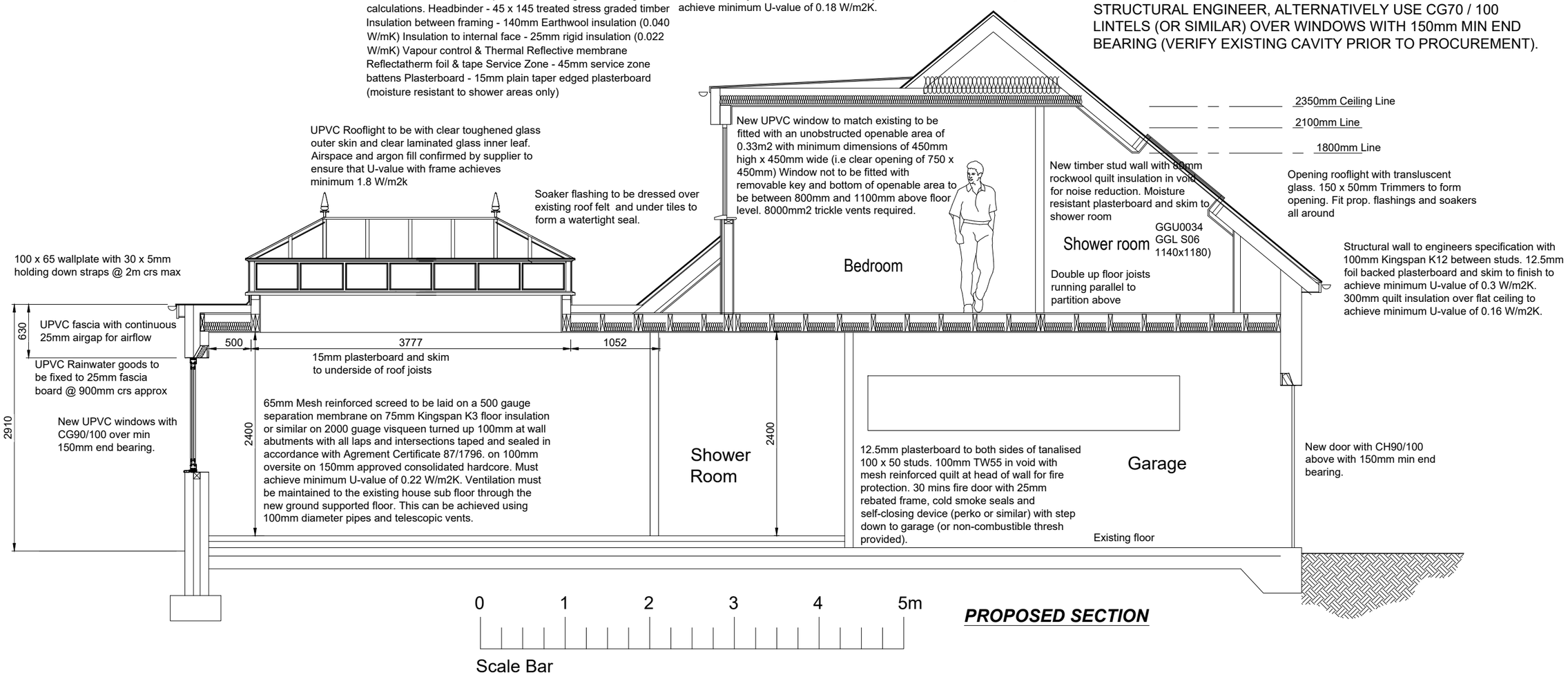
Dormer Walls 0.18 W/m²K
Concrete vertical tiles to match existing on battens, on counter battens secured to outer face of breather & TF200 Thermo reflective membrane Structural Sheathing - 9mm OSB Structural Framing - 45 x 145 treated stress graded timber, lintels and stud centres as per Structural Engineer's design and calculations. Headbinder - 45 x 145 treated stress graded timber Insulation between framing - 140mm Earthwool insulation (0.040 W/mK) Insulation to internal face - 25mm rigid insulation (0.022 W/mK) Vapour control & Thermal Reflective membrane Reflectatherm foil & tape Service Zone - 45mm service zone battens Plasterboard - 15mm plain taper edged plasterboard (moisture resistant to shower areas only)

Lead Grey Sarna roof laid to manufacturer's recommendations on 100mm TR27 insulation on vapour control layerpartially bonded on 22mm external quality plywood decking or similar approved laid to 1:60/80 minimum gradient using firring strips at spacing to match joists, fixed onto 150 x 50 C24 timber flat roof joists. Kingspan TP10 100mm friction fixed between joists & 45mm fixed under joists. Must achieve minimum U-value of 0.18 W/m2K.

Ridgefast Universal dry ridge ventilaion tiles to be secured in lieu of existing

ALL CALCULATIONS FOR DESIGN OF FLOOR AND ROOF, INFILLS AND TRIMMERS TO BE PROVIDED BY STRUCTURAL ENGINEER. ADEQUACY OF EXISTING LINTELS ALSO TO BE DETERMINED ON SITE PRIOR TO COMMENCEMENT OF WORKS AND ANY REMEDIAL WORKS REQUIRED TO BE CONFIRMED BY CHARTERED STRUCTURAL ENGINEER, ALTERNATIVELY USE CG70 / 100 LINTELS (OR SIMILAR) OVER WINDOWS WITH 150mm MIN END BEARING (VERIFY EXISTING CAVITY PRIOR TO PROCUREMENT).



PROPOSED SECTION

Rev.	Revision Note	Date

Proposed alterations to 29 Swinhoe Road Beadnell Northumberland - NE67 5AG	Scale 1:100 Date 25.11.22
Title Proposed Section	Sheet No. 105