



Proposed First Floor Plan 1:100

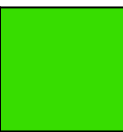
KEY



existing construction



proposed construction



existing blockwork rebuilt

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Revision	
A	12-05-2017 Layout amended
B	15-05-2017 Layout amended
C	16-05-2017 Layout amended
D	22-11-2017 Layout amended. Obscured glass in W40-W43.

- 01 ROOF - Level Ceiling
Unventilated, breathing roof construction comprising stone slates on 50x25 impregnated softwood battens and counterbattens on vapour permeable sarking felt eg. Kingspan Nilvent to BS 474, tight across rafters with sealed joints. Knauf Earthwood 44 200mm over ceiling joists, 150mm between. 12.5mm gypsum plasterboard and skim ceiling.
U value 0.15W/sq.mK
- 02 ROOF - Sloping Ceiling
Unventilated, breathing roof construction comprising stone slates on 50x25 impregnated softwood battens and counterbattens on Kingspan Nilvent breathable membrane on C16 100 x 50 rafters, with 100mm Kingspan TP10 insulation board between with all joints taped to form vapour control layer, and 62.5mm Kingspan K18 insulated plasterboard ceiling beneath.
U value 0.15W/sq.mK
- 03 EXTERNAL WALLS - EXISTING
Existing solid stone wall to be lined out with 75x50 SW framing, spaced 25mm off wall, with 75mm Kingspan K12 insulation between, and K118 insulated plasterboard lining, 32.5mm thick.
U value 0.22W/sq.mK.
- 04 EXTERNAL WALLS - NEW
Cavity walls overall 350mm thick, 150mm natural stone outer leaf, 100mm unventilated cavity with stainless steel Type 1 wall ties at 750mm horizontal and 450mm vertical centres (225mm vertical centres to all openings) and staggered, and inner leaf of 100mm dense concrete block of k value 1.13W/mK or less, 50mm thick phenolic foam insulation board, k value 0.018W/mK or less (eg. Kooltherm K108) to outer face of inner leaf. Insulated drylining comprising 12.5mm plasterboard bonded to 20mm phenolic foam insulation (R value 1.15sq.mK/W, eg. Kingspan K118) on adhesive dabs to internal face. Plaster adhesive in continuous strip to all internal vertical and horizontal edges and around all openings. U value 0.22W/sq.mK.
- 05 NON-LOADBEARING PARTITION WALLS
100x50 C16 timber studs at 400mm centres with 12.5mm British Gypsum Wallboard each side and 65mm Isover APR 1200 insulation in cavity (BG ref. A026012). Sound insulation 41RW dB. Sockets and switches to be offset at least 500mm.
- 06 SEPERATING WALLS
New separating wall, and infill to openings in existing walls to become seperating walls, to be in 215mm thick solid blockwork, density not less than 1850kg/cu.m, bedded on face, with 13mm thick minimum 10kg/m2 cement render and 12.5mm plasterboard on dabs either side.
- 07 GROUND FLOOR - SOLID
55mm min thick self-levelling Anhydrite screed with underfloor heating system, on 500g polythene DPM over 100mm thick Kingspan Kooltherm K103 insulation, 100mm thick on 150mm thick C30 concrete slab with one layer of A142 fabric reinforcement, on 1200g polythene DPM, on blinded hardcore. P/A ratio 0.37. U value 0.14W/sq.mK.
- 08 UPPER FLOORS - SUSPENDED
25mm tongue and grooved softwood boards, on existing timber floor joists, repaired or replaced as necessary (for sizes see plans) with 9.5mm gypsum plasterboard soffit, and plaster skim finish. 100mm thick mineral fibre insulation between floor joists, density not less than 10kg/cu.m, to give not less than 40Rw dB sound insulation.
- 09 WINDOWS
Timber windows as scheduled, with sealed double glazing units 16mm wide (4mm lowE inner pane, 10mm Krypton, 4mm clear float outer pane, warmedge spacers) U value 1.2W/sq.mK.
- 10 ROOFLIGHTS
Conservation Rooflights by the Rooflight Company Ltd. Sizes as shown.

1:100 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

Client Mr. and Mrs. Bradley	
Project Nether Moor Farm, South Crosland, Huddersfield.	
Drawing Proposed First Floor Plan	
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Planning Application