



**Pitched Roof Construction:** Profiled interlocking conc tiles to match existing in every respect on 50x25mm tan sw battens on Procter Roofshield breathable roofing membrane in strict accordance with mfr's instructions and BBA cert requirements on 50x150mm rafters at 450mm centres clipped to wallplate for restraint in conjunction with matching ceiling joists as before.

Half round ridges to match existing in every respect bed and pointed in gauged mortar and mechanically anchored.

Unventilated "breathable" roof void.

Roof pitch to match existing to be verified on site.

Secondary roof to have 50x150mm C24 ceiling joists at 450mm centres and insulate between joists with 150mm Kingspan TP10 insulation and overlay with 100mm TP10 to achieve o/a U-value to roof of not more than 0.16W/M<sup>2</sup>C.

Ex roof to be stripped back to enable formation of valley gutter in code 5 lead in accordance with LSA recommendations turned up and under roofings and linked to roof membrane on 19mm ext grade ply valley boards on tan sw firings giving min 1 in 80 fall on new ceiling joists carried thru' as indicated and make good as necessary.

Primary roof to have 50x200mm C24 ceiling joists at 450mm centres and insulate between joists with 200mm Kingspan TP10 insulation and overlay with 50mm TP10 to achieve o/a U-value to roof of not more than 0.16W/M<sup>2</sup>C. Underdraw with 12.5mm duplex p/b and skim finish.

100x75mm treated sw wallplates bed in gauged mortar on cut blk to suit to level with conc roof with 30x5mm galv ms vert restraint straps at 2.0m centres taken down and secured to brkww.

Rainwater goods to match existing with fall pipes where shown on plans and elevations in conjunction with fascias and soffits to match existing on sw framing to suit.

Remove ex patio doors and retain ex opening as thru' opening to extension with ex lintelling over and make good as necessary.

New cavity walling as generally described elsewhere.

**GF Construction:** 19mm T & G MR flooring grade chipboard on 50x220mm C24 joists at 450mm centres with 200mm Kingspan insulation between suspended on coordinated proprietary insulation clips and sealed with gunned urethane foam to ensure max 0.22w/m<sup>2</sup>km o/a u-value to floor. All joists to be built in to new blkww in pockets built in as work proceeds and fully pointed and sealed.

Horizontal dpc at GF level as indicated.

Ventilated floor void.

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Horizontal dpc at GF level as indicated.

Wall width dpc at floor level in conjunction with cavity tray dpc as indicated.

Ventilated floor void under GF with 225x75mm airbricks all round ducted thru' cavity walls with tray dpc over at 900mm centres and max 450mm from corners and finish sub-floor with min 100mm oversite concrete on 1200G dpm with all joints lapped and taped and turned up at perimeters and linked to surrounding dpc's for "basic" radon protection on well blinded and compacted hardcore sub-base to rationalize levels.

Ex foundation where supporting new blkww to be widened/underpinned to suit ground conditions in agreement with local BCO.

Suggested foundation step profile

Approx alignment of "public" sewer and indication of intersect point

Solid foundation quality "trench" blockwork from foundation level to GL.

600 x 225mm conc strip foundations to new cavity wall as indicated onto good ground at same level as existing and connected and below any adjacent drainage to satisfaction of Local BCO.

**TYPICAL SECTION @ 1:20**

Revision	Date	Description

**PROPOSED EXTENSION TO,  
36 GREEN SPRING AVENUE, BIRDWELL,  
BARNSELY, S70 5RY.**

**DETAILED PROPOSALS  
Typical Section.**

Mrs Copley.



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Scale: 1:20 @ A2 Date: DEC 2015

Ref: 201514 Drwg No: 03

