

**NOTES**

- 1.0 This drawing is to read in conjunction with the latest revisions of M A Howard Associates Ltd Drawing Nos. 32727/02.03 & 04 and all current Architects drawings and specifications.
- 2.0 **DO NOT SCALE FROM THIS DRAWING.** All dimensions to be as per Architects drawings or by site measurement.
- 3.0 Any discrepancies discovered on site that would alter details indicated on this drawing to be brought to the attention of M A Howard Associates for further instruction.
- 4.0 The Main Contractor is responsible for the design and installation of any temporary support works required to maintain the integrity and stability of the building and excavations throughout the works.
- 5.0 **CONCRETE** - Concrete to be supplied and delivered to BS8500. Designated well vibrated concrete Grade RC35 for ground floor slab and GEN1 for strip foundations.
- 6.0 **TIMBER** - all timber to be minimum grade C24 unless stated otherwise and in accordance with BS5267:Part 2 "Structural Use of Timber"
- 7.0 **STEELWORK** - all steelwork to be grade S275 blast cleaned in accordance with clause 720 of BS7079 part A1; preparation grade SA2.5, shop primed with high build zinc phosphate primer (dft 75microns). Where beams doubled up bolt together with M12 Grade 8.8 Bolts @ 500mm centres through 48.3 mm diam CHS spacer tubes.
- 8.0 **CAVITY TIES** - Contractor to inspect existing cavity ties as sections of existing cavity wall are removed and to report condition to M A Howard Associates Ltd. Cavity wall replacement specialists to be employed to advise on extent of cavity tie replacement necessary and to provide detailed specification and costs for works.

For Padstone details & Wall Key see Dry No 32727/02.

**NEW FOUNDATIONS** (denoted dotted) to consist of 600mm wide x 300mm deep GEN1 Grade Concrete Strip Foundations at a minimum depth of 1.0m below existing G.L. (to Building Inspectors approval)

**NOTE:** Canopy detail to be confirmed by Architect

**Blockwork PIER**  
215mm thick pier to be constructed in Grade 7.0 N/m<sup>2</sup> blocks.

**EXISTING 1st Floor Joists** to remain.

**LINTELS** over openings in extension to consist of IG L/HD100 Lintels with 150mm end bearings

**NEW 1st Floor Joists**  
47x195 C24's @ 400cts (doubled up below new stud partitions)

**New LINTELS** both to consist of 2 No STRESSLINE LISA 100mm wide x 140mm deep prestressed concrete lintels with 150mm end bearings.

Existing opening blocked up.  
Existing chimney breast removed.

**CRACK REPAIR**  
Install 1.0m length of 6mm<sup>2</sup> stainless steel Helibar @ 225mm cts above & below window in accordance with manufacturers recommendations.

**BEAM 02**  
203x203x46 kg/m UC with 200mm end bearings onto padstones P1 & P2.

**BEAM 01** (set within depth of floor) 203x133x25 kg/m UB connected to top flange of Beam 02 & 150mm end bearing onto padstone P3

Location of new timber stud partition @ 1st FL supported by existing 50x220 joists

**EXISTING 1st Floor Joists** to remain

**BEAMS 04 & 05**  
Beam 04 to consist of 2 No STRESSLINE LISA 100mm wide x 140mm deep prestressed concrete lintels with 150mm end bearings  
Beam 05 to consist of 2 No 254x146x43 kg/m UB's bolted together with M12 Grade 8.8 Bolts @ 500mm cts through 48.3mm<sup>2</sup> CHS spacer tubes. Bearings onto padstones P6 & P7 as noted.

**EXISTING 1st Floor Joists**  
The existing 50x220 Joists are adequately sized for the proposed partition loading @ 1st FL. doubled up where noted.

**BEAM 03**  
2 No 203x133x25 kg/m UB's bolted together with M12 Grade 8.8 Bolts @ 500mm cts through 48.3mm<sup>2</sup> CHS spacer tubes. Beam to have 200mm end bearings onto concrete padstones P4 & P5.

**LINTELS** over openings (5 locations) each to consist of 2 No STRESSLINE LISA 100mm wide x 140mm deep prestressed concrete lintels with 150mm end bearings.

**NOTE:** Bay detail to be confirmed by Architect

**NOTE:** New Chimney breast & Flue to Architects Detail

**TRIAL PIT DETAIL**

Large fragments of limestone within a firm & stiff silty clay matrix (weathered rock) A&P 250 kN/m<sup>2</sup>

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**Client:** CHARLES & JOANNA CRITCHETT  
**Job:** ORCHARD HOUSE, WILD COUNTRY LANE, BARROW GURNEY BS48 3SE - Proposed Alterations & Extensions  
**Drawing Title:** GROUND FLOOR PLAN (indicating foundations & 1<sup>st</sup> floor structure above) (Scale @ A2 : 1:50)  
**Drawing No:** 32727/01 **Oct 2013**