

Main floor joists spanning left - right to be replaced on a like for like basis.

Approximate Position of wall.
There appears to be a valley gutter which precluded a bearing of the existing timber beam

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Atkins Martin is a trading name of Atkins Martin Associates Ltd.
Registered office : Edwin Smith 32 Queens Road, Reading . Reg.No. 1257345 England.

General Notes:

Read with other drawings and specifications
All work subject to site conditions, opening up, Planning and Conservation Officer Approval, Statutory Authority Requirements and our terms and conditions.
Site dimensions to be taken.

Timber to EC5 - structural use of timber and National Application document.

Steel to EC3 - structural use of steel, Grade S275 for open sections. Tubular work to be S355 hot rolled to allow shop welding away from capping and base plates.

Paint finishes - shot blasted and one coat of red oxide paint. All steelwork to be fire proofed to Building Inspector's requirements.

CDM 2015 Continued...

Construction Design and Management Regulations 2015

Atkins Martin Associates Ltd. Are Designers under the Act, but not the Principal Designer.

Exceptional Hazards Only are:
Risk Assessments:

Ensure that the Temporary Works are not compromised or undermined by the superstructure works - if necessary the temporary works must be modified.

Note
Indicative angles of
steel beams on
plan.

Direction of span of floor joists over Floor in poor condition and joists to be replaced on a like for like basis as far as possible.

2 No 63 * 150 C24 per bay on both sides shaped (chanfer on underside to allow a good fit into 178 * 102 UB) bolted through web of steel at 48mm from the top of the timber packer using 12mm diameter bolts (Allthread) nuts and 50mm diameter hardened steel washers on 200mm c/c, end distance 100mm min. Each timber glued together using Rotafix structural adhesive.

Existing (replaced) joists moved over to allow the installation of the bolted side pieces. The side pieces must support the partition within the the central 200mm of the partition.
Packers placed over 63 * 150 timbers to raise level adjacent to 178 * 102 UB Flanges.

Note drawing shows one side only and one bay only for clarity.

Bay 1

Bay 2

178 * 102 UB Over

Bay 3

Bay 4

Existing Block Column.

Indicative Line of 225mm wide partition over - note it moves relative to the centre line of the steel beam. Check on site. Core 100mm of the stud shown dotted - to be supported by timbers bolted to the web and placed onto the beam flange. Bottom plate bolted 10mm diameter diagonally on 25mm from C/L of the beam web to prevent overturning onto beam, and upper bottom plate secured to lower plate.

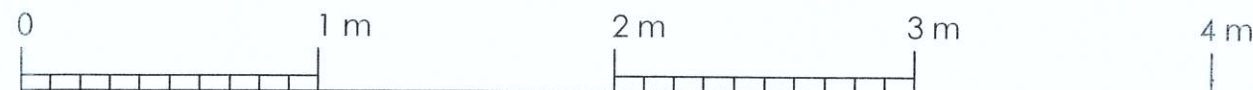
The small eccentric loads onto the studwork to be resisted by 10mm ply, to agreed detail, laid in staggered formation to the underside of the ceiling, provided that the roof is well ventilated to Surveyor's satisfaction.

The partition to have the top plates as 3 No 75 * 150 C24 timbers, positioned vertically, bolted together to allow the existing roof to be secured towards the side of the top plate as necessary. This allows for the roof being offset.

See cross section for height of torsional restraints to the existing 178 * 102 UB

Existing Steel Beam

Plan of Proposed First Floor



Atkins Martin
Architectural Structures : Restoration & Design

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Project: Structural Repairs 30 High Street, Marlborough, Wilts SN8 1LW

Surveyor : Knight Frank, Bristol

Drawing Title: Proposed *1st Floor*

Date: July 2025

Scale: A3 1 to 25

Drawing Number: S2780 / 22 *A*

Revision: *A Scale Box Added*

For Listed Building Consent & Building Regulations Approval
Further opening up has been carried out.