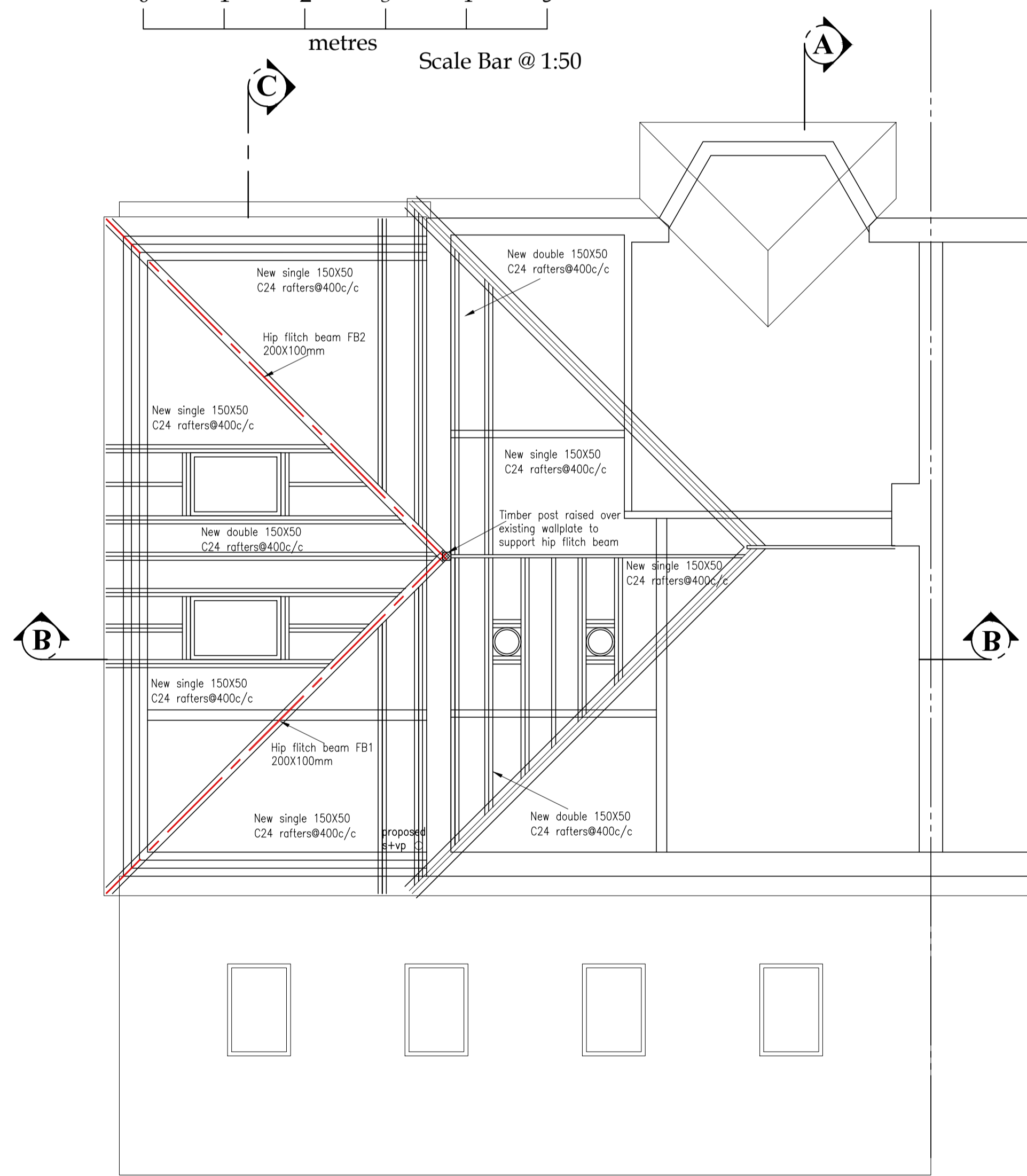
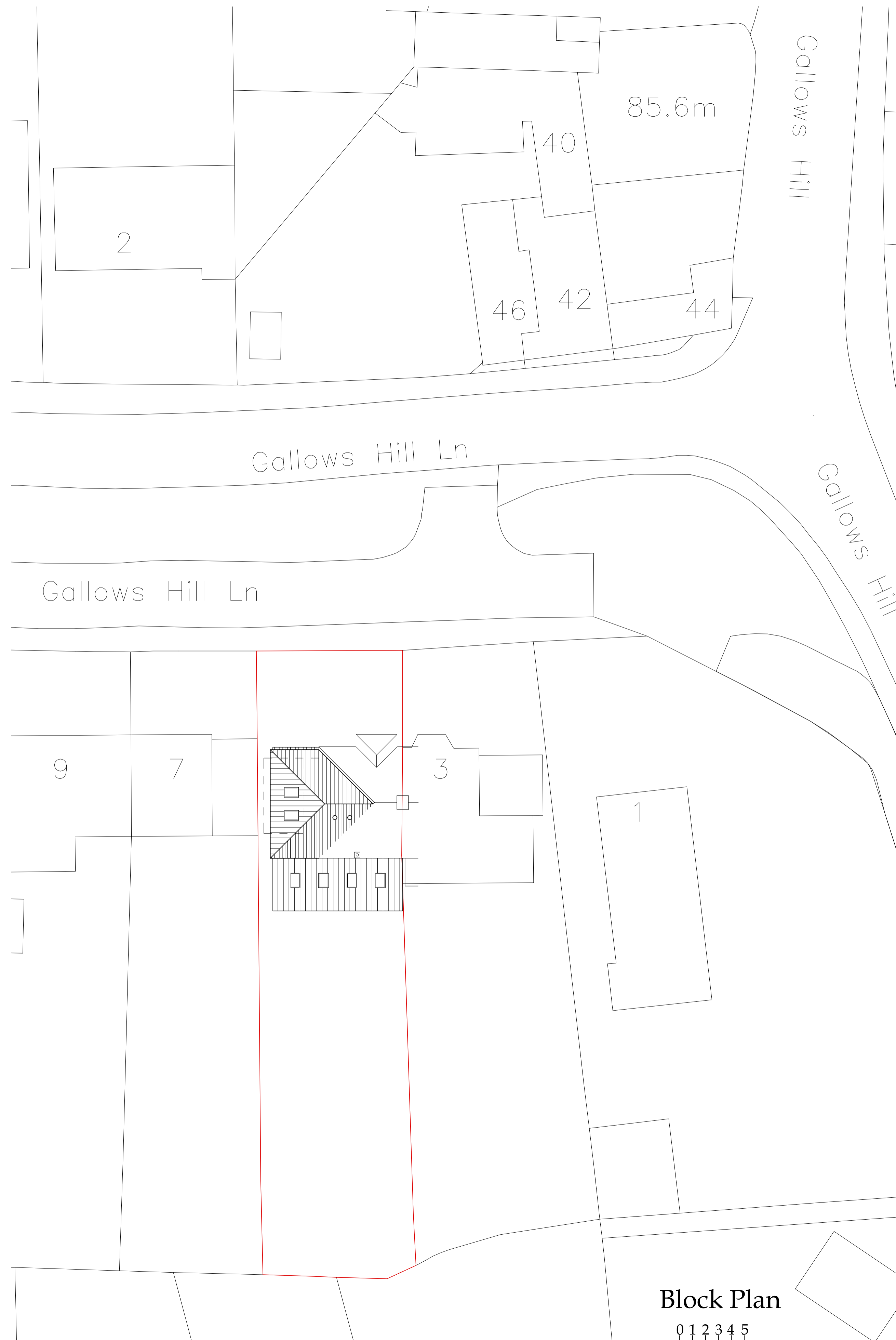


Section C-C

0 1 2 3 4 5
metres
Scale Bar @ 1:50



Rafter Layout



Block Plan

0 1 2 3 4 5
metres
Scale Bar @ 1:200

Continued From BR-101

Electrics:- Provide power points and lights to new rooms linked to existing circuits. Retain existing MCB board.
New light fittings to only accept bulbs with a luminous efficacy of 75 lumens per circuit-watt. Electrical work to comply with Building Regulations part P.
Installation to be designed, installed, inspected and tested by competent person. Installation to be inspected by local authority.
Electrical installation certificate (Part P) to be issued by competent person.

Smoke Detection System:- Provide self contained smoke alarms, inter connected, permanently wired to a separately fused circuit at the distribution board to all hall/landing levels (with battery back up).
Provide heat detector to kitchen.
Wiring to be IEE Wiring Regulations.
Each alarm to be fixed to the ceiling, min. 300mm from any wall or light fitting.

Lateral Restraint:- Provide galv. m.s. restraint straps @ max 2m centres across top of end three floor/ceiling joists/rafters and turned down into cavity min. 200mm.
Provide solid blocking under strap min 90x38mm.

Fire precautions:- Door into garage to be 1/2 hour fire resisting self closing fire door and frame to be fitted with smoke seals. Provide min. 100mm step down into garage. Wall between garage and house to be built up to underside of roof covering and fire stopped with mineral wool or cement mortar.

Doors, Windows & Rooflights:- All to be double glazed with low E glass and to have 'U' Value of maximum 1.4 W/sq.m.k.
New bedroom to have escape window with opening sash of minimum clear opening 750mm high x 450mm wide with bottom of opening between 800 and 1100mm above floor level.

Any glazed openings between finished floor level and 1500mm above that level in a door or in a side panel/window close to either edge to be glazed using safety glass as defined in BS6206: 1981.
Any windows less than 800mm above floor level to be glazed using safety glass as defined in BS6206: 1981.

Windows and external doors shall be fitted to overlap the cavity by 30mm, in accordance with the Accredited Construction Details.
Rooflights to be A rated for surface spread of flame.
All new internal doors to be undercut 10mm.

Accredited Details:- New insulation to be linked to extg./proposed Junction between dis-similar elements (e.g. walls to floor/walls to roof) to be sealed with mastic.

Fill any voids where pipes pass through walls and floors with mineral wool and seal with mastic.

Pack closed eaves with fibrous insulation to reduce thermal bridging.

Any hollow section lintels to have integral insulation. Extg. lintels accepting additional loading to be exposed and checked for adequacy.

Leadwork:- Lead sheeting to be BSEN12588, and installed in accordance with BS6915 and the recommendations of lead sheet association. To be installed by a member of the lead contractors association.

External Walls:- 215mm solid brick front wall with 203x102UB lintol over door with 200mm end bearings.
Lay a 100 wide horizontal d.p.c. to each skin, lapped at corners min. 150 above finished ground level. All work below d.p.c. to be frost proof brickwork.

Roof Construction:- Roof tiles to match extg.

Provide 35x25 softwood treated battens on one layer Tyvek 'Supro' breathable membrane on 100x50 rafters @ 400 centres over 100x50 wallplates strapped down to walls @ 1.2m centres.

Provide 100x50 ceiling joists at 400 centers spanning between new 100x50 wallplate and supported on joist hanger hanged on timber packed into web of steel beam.

Mechanically fix rafters and ceiling joists to timber noggins bolted into web of steel beams to provide rigidity to roof. Use medium duty angle cleats and coach screws.

Ceiling to have one layer 12.5mm plasterboard.

Fascias to be 25mm treated softwood and soffits to be 9.5mm W.B.P. ply (or uPVC).
Provide Tyvek eaves carrier at eaves.

all dimensions to be checked on site as work commences and any discrepancies or omissions reported immediately.

client Dr. M. Slater & Miss S. Gray,
5 Gallows Hill Lane,
Abbots Langley,
WD5 0DB.

job title: Proposed Two Storey Side/ Single Storey
Rear Extensions And Alterations.

dwg title: Proposed Section, Rafter Layout And
Block Plan.

dwg. no: 2023053-BR-102 drawn by: PG scales: 1:50,200 @ A1

revision suffix: - status: Building Regs date: Sept. 2023

Rev.	Description	Date
-	-	-

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