



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 occupy 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.  
 Electrical work to be carried out in accordance with BS7671:2018.  
 Electrical installation certificate (part P) to be issued by competent person.  
 Smoke Detection System:- Provide self-contained smoke alarm, 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 ICE Wiring Regulations.  
 Provide heat detector to kitchen.  
 Lateral Restraint:- Provide girth, n.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 90x39mm.  
 Fire precautions:- Door into garage to be ½ hour fire resisting self-closing fire door and frame to be fire filled with mineral wool. Provide 100mm mineral wool 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 1.4W/sq.m.  
 New bedroom to have escape window with opening gap of minimum clear opening 750mm high and minimum clear opening 450mm wide.  
 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.  
 New doors and rooflights to be fitted to overlap the cavity by 30mm, in accordance with the Building Regulations Part P.  
 Rooflights to be A4 rated for surface spread of flame.  
 All new internal doors to be undercut 10mm.  
 Accredited Details:- New insulation to be linked to e.g./proposed junction between dis-similar elements (e.g. walls to floor/ceils 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 linels to have integral insulation. Exty. linels accepting additional loading to be exposed and checked for adequacy.  
 Ledworks:- Led installed to BS51288, and installed in accordance with BS6915 and the recommendations of the manufacturer. To be installed by a member of the lead contractors association.  
 Stairs:- Provide new top two rafters and 1 tread into new bedroom as a mirror of current top two rafters and 1 tread. Form 800mm deep landing before new bedroom door.

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: RC scales: 1:50, 2:100 @ A1

revision suffix:	D	status:	Building Reqs	date:	Sept. 2023
Rev. A		Structural Information Updated		Jan. 2024	
B		First floor extension made flush at front, various alterations.		Feb. 2024	
C		Various alterations.		Mar. 2024	
D		Red line amended for planning.		Mar. 2024	

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