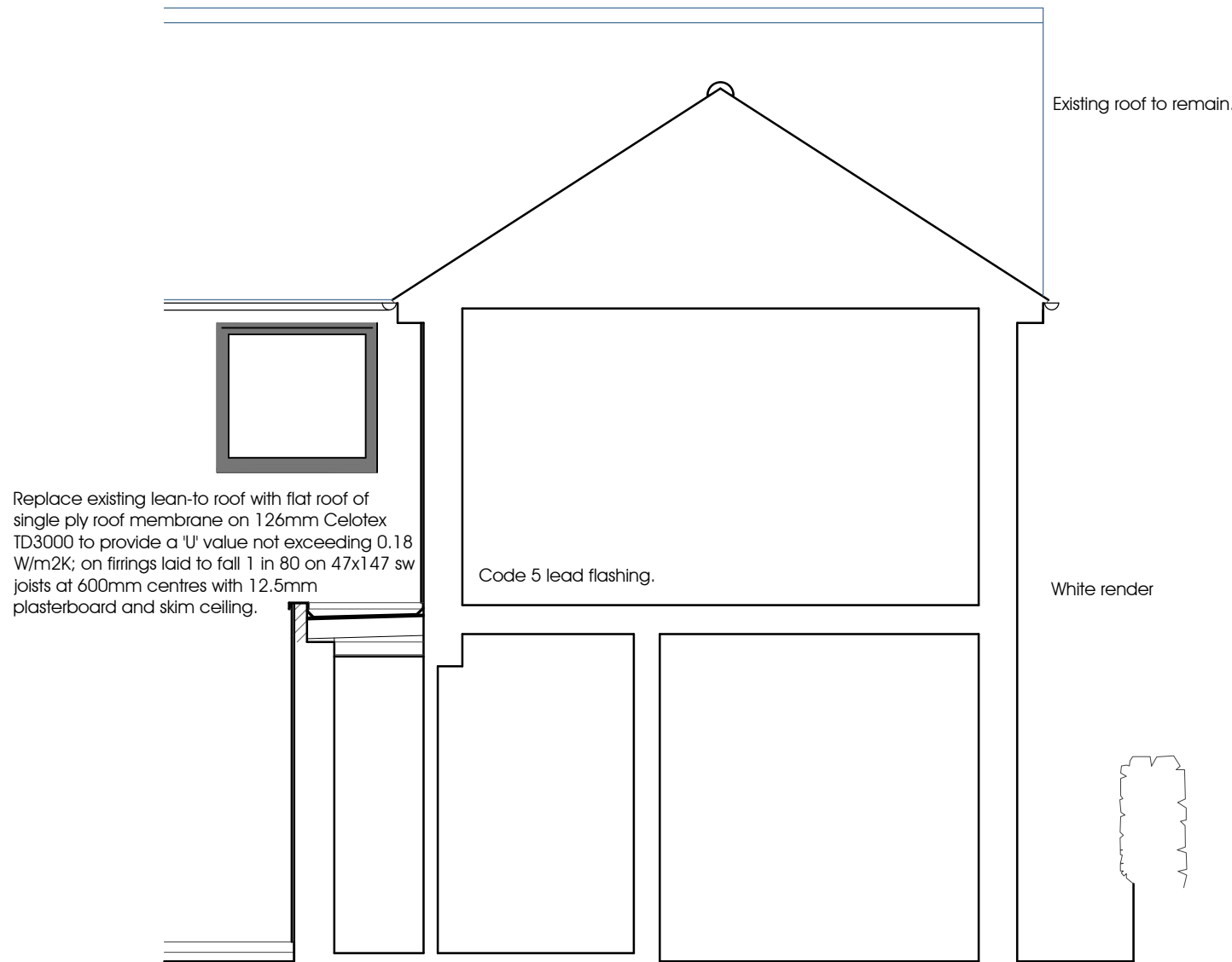
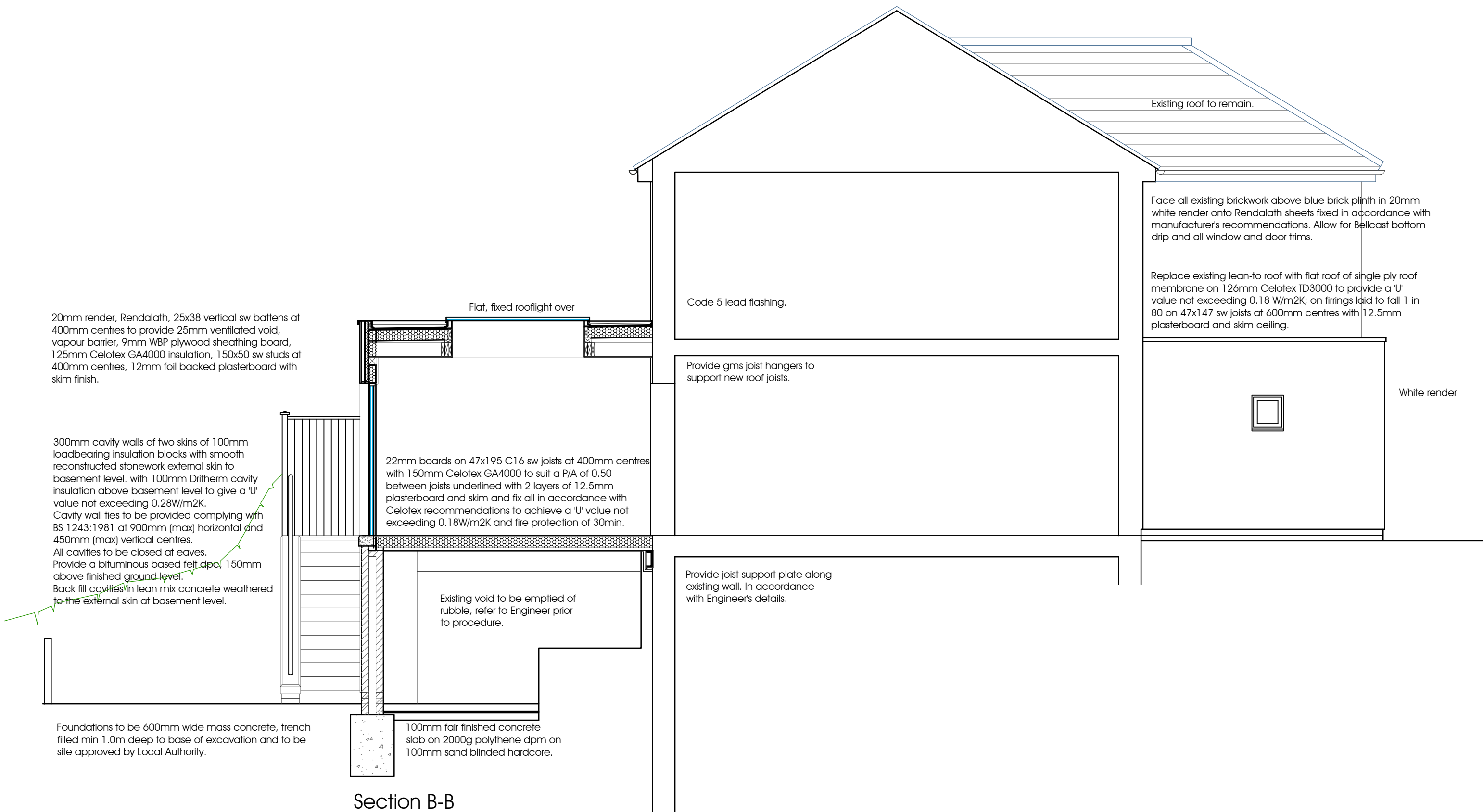




Section B-B



Section B-B

General Construction Notes

Foundations
Foundations to be 600mm wide mass concrete, trench filled min 1.0m deep to base of excavation and to be site approved by Local Authority.
External Wall
300mm cavity walls of two skins of 100mm loadbearing insulation blocks with smooth reconstructed stonework external skin to basement level, with 100mm Dritherm cavity insulation above basement level to give a U value not exceeding 0.28W/m2K. Cavity wall ties to be provided complying with BS 1243:1981 at 900mm (max) horizontal and 450mm (max) vertical centres. Provide a bituminous based felt dpc, 150mm above finished ground level. Back fill cavities in lean mix concrete weathered to the external skin at ground level.

Construct timber framed walls above basement level with 20mm white render bonded with Rendalath mesh on 25x38 treated vertical battens at 600mm centres to provide a 25mm ventilated void with vapour barrier on 9mm WBP plywood sheathing board on 150x50 sw studs at 600mm centres with 125mm Celotex 4000GA insulation in void and faced internally with 12.5mm foil backed plasterboard with skim finish.

All existing brickwork to be faced above blue brick dpc level with 20mm white render, bonded to existing wall with Rendalath mesh fixed in accordance with manufacturer's recommendations.

Suspended Ground Floor Construction
22mm boards on 47x195 C16 sw joists at 400mm centres with 150mm Celotex GA4000 to suit a P/A of 0.50 between joists underlined with 2 layers of 12.5mm plasterboard and skim and fix all in accordance with Celotex recommendations to achieve a U value not exceeding 0.18W/m2K and fire protection of 30min.

Structural Steel and Timber Members
Structural and steel members, including padstones and fixings to be in accordance with engineer's detail and calculation sheets.

Flat Roof Construction
Single ply, AA fire rated, roof membrane on 150mm Celotex EL3000 to provide a U value not exceeding 0.15W/m2K; on firings laid to fall 1 in 80 on 47x197 sw joists at 600mm centres. Provide tiele joist trimmers to rooflight and underline with 12.5mm plasterboard and skim ceiling.

Gate Stair Construction
Stairs to have stone treads and risers with going of treads min 235mm, 13no 189mm max risers. Handrail 900mm high above pitch of nosings.

Windows
All new windows to be double glazed with 10mm glass thickness and incorporating a 1.5mm min air gap and soft low-E coating with an opening area not less than 1/20th of the floor area and to have permanent 8,000mm2 trickle vents. windows to achieve a U value not exceeding 1.8W/m2K. Draught proofing to be provided to all opening elements of window and door units. All glazing less than 800mm above finished floor level and in door openings to be safety glass complying with BS 6206.

Doors
Front entrance door to be accessible to the disabled with level threshold 15mm max height and with firm solid based approach to the door.

Drainage
All new drainage pipes are to be 100mm diam upvc with patent joints and fittings. Drains o be laid with pea gravel bed and surround. Back fill trenches with selected fill. 150mm concrete surround where drain is under or within 1.0m of the new building. Provide pc concrete lintels over drains where they pass through loadbearing walls and seal openings to prevent vermin entry.

Electrical
All switched socket outlets to be positioned within the zone between 450mm and 1200mm above finished floor level.

All electrical work is required to meet Part P (Electrical Safety) and will be designed, installed, inspected and tested by a person competent to do so.

Prior to completion, the Local Authority are to be satisfied that Part P has been complied with. This may require an appropriate BS 7671 electrical installation certificate to be issued by a person competent to do so.

Provide CAT 2 lighting to all offices.

Interlinked fire detection system to be installed with minimum L3 standard complying with BS 5839-1:2002

Ⓜ Mains powered interlinked smoke detector

Ⓜ Heat detector

Party Wall Act 1996.
Where any works are proposed against or within 3.0m (6.0m if a 45° angle from the neighbours foundations strikes the proposed excavation) of a neighbours wall the neighbour must be made aware in writing of the proposed works not less than one months before the work starts.
The notice must contain your name and address, the builders name and address, confirmation that the notice relates to the Party Wall Act 1996, details of the proposed works including drawings, the start date of the works.

C	Screen fence added to south boundary.	07.01.2016 BWT
B	Floor construction amended to show fire protection of 30min.	22.12.2015 BWT
A	Amended to show compliance with the Building Regulations	08.12.2015 BWT
Revisions		



Drawing: Sections

Client: Mr & Mrs A Fleming
Job: Dining Room Extension and Improvements to Front Elevation
22 Trent Lane, Kings Newton,
Derbyshire, DE73 8BT.

Scale: 1:50 @ A1 Drawn By: BWT

Date: November 2015

Drawing No.

2015_419_6C