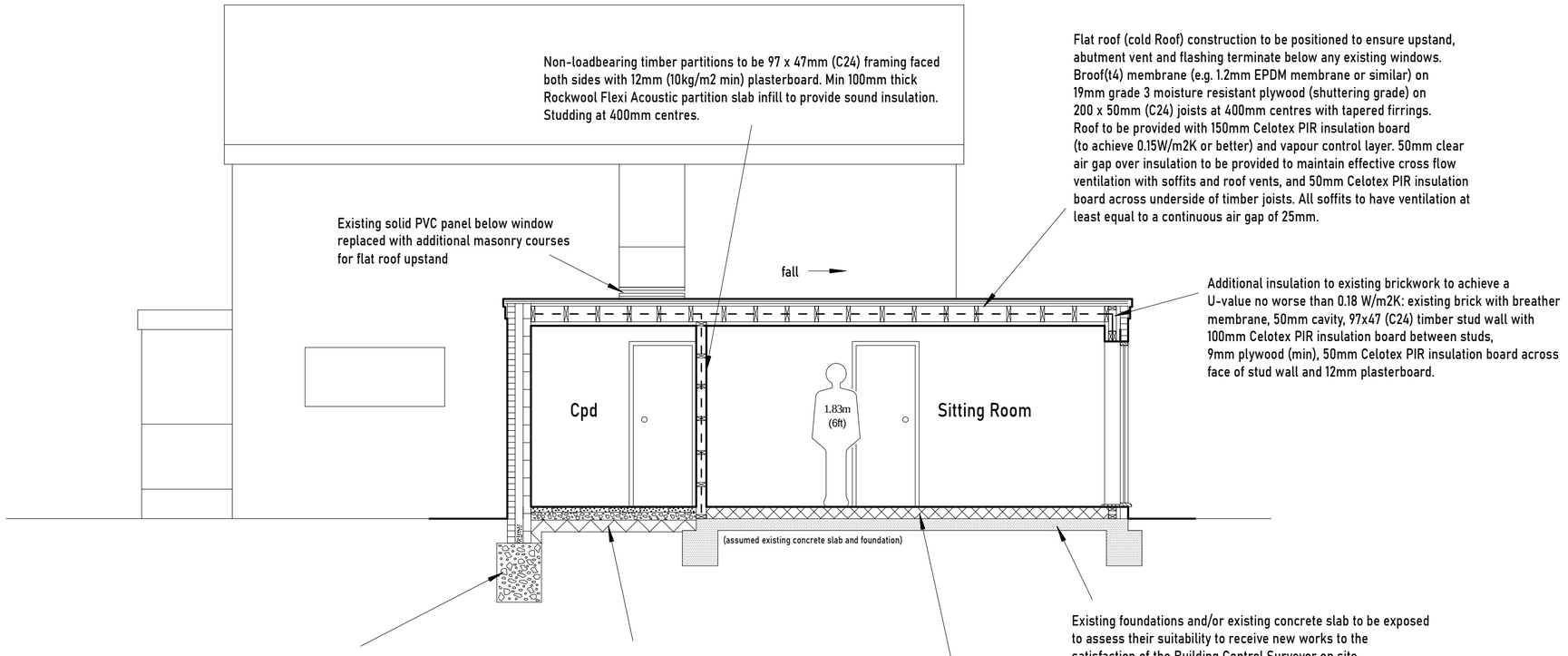


New extension walls to be single brick to match existing, 100mm cavity with 90mm Thermaclass Cavity Wall 21 and 100mm 'Thermalite Shield' block with movement joints as required. Providing a U-value of 0.18W/m2K or better.

3.6N blocks to be used for all walls up to two-storey high. For walls in excess of two-storeys, 7N blocks to be used at ground floor level.

Ties: 750 horizontal, 450 vertical, and double at all reveals. Reveals to have Thermabate Insulated Cavity Closers to prevent cold bridging and provide vertical dpc. All cavities to be clear 225mm below dpc level and closed at roof level.

1.2m galvanised steel straps to be provided at not greater than 2000mm centres, having a cross section of 30 x 5mm.

Contractor to ensure all scaffolding is securely attached when working at height. All Personal Protective Equipment to be provided to all people at risk from this activity to protect against falling objects.

All beams to have 100mm (min) end bearings on C30 concrete padstones, painted with 2 coats of red oxide and covered with 12.5mm GYPROC FIRELINE plasterboard to achieve 30 minutes fire resistance, using batten fixings where necessary. Contractor to provide all lifting equipment, temporary support and Personal Protective Equipment for all people impacted by the installation of heavy steel beams, particularly when working at height.

New areas of construction are to be constructed with no significant thermal bridges or gaps in the insulation layer(s) e.g. at joints between floor joists & walls and around window and door openings (in accordance with "Limiting thermal bridging and air leakage: Robust construction details for dwellings and similar buildings 2002"). The contractor to provide a suitable report, if required, by the Local Authority, to confirm that the work has been carried out in accordance with these details.

All electrical works required to meet the requirements of Part P (Electrical Safety) must be designed, installed, inspected and tested by a person competent to do so. Prior to completion, Building Control should be satisfied that Part P has been complied with. This may require an appropriate BS 7671 electrical installation certificate to be issued for the work by a person competent to do so.

Switches/sockets to be fitted 450-1200mm above finished floor level.

Low energy lighting to be provided in compliance with Approved Document L1 with a minimum luminous efficacy of 75 light source lumens.

GAS SAFE registered person to carry out all relevant work (including the repositioning of an existing gas-fired boiler) and issue a commissioning certificate. An existing boiler in its new position must have an efficiency no worse than when it was in its previous position.

All solid, gas and oil combustion devices will require a carbon monoxide detector to be positioned in the same room as the appliance, on the ceiling at least 300mm from any wall. If located on a wall, as high as possible (above any doors or windows) but not within 150mm from a ceiling and between 1-3m horizontally from the appliance.

New radiators to be fitted with thermostatic valves

Lintels to be heaviest manufactured gauge unless shown otherwise.

Triple joists bolted at 600 ctrs for trimmers, and under studding.

All structural timber to be C24. All structural steelwork to be S275.

Code 4 lead flashings to be used throughout.

All timber joists (e.g. floor, roof, ceiling etc) with spans in excess of 2.5m to have solid or herringbone strutting.

Cavity trays at all abutments.

Cavity infill to finish at least 225mm below the level of the lowest dpc.

DPC to be at least 2 brick courses above surrounding ground level

No development to overhang the boundary (incl. foundations).

All ceilings to be 12mm foil backed plasterboard.

Revision			

S BIDDLE Ltd Stephen Biddle BSc CEng FICE
Email: stephen@sbiddle.co.uk Mob: 07864 122 313 Web: www.sbiddle.co.uk

Client	Mr & Mrs G. Collings		
Address	31 Mallard Close, Twyford, Reading RG10 0BE		
Drwg No	COLLINGS-0925-03	Scale: (A2)	1:50
Title	PROPOSED SECTION A-A		

1m 2m 3m 4m