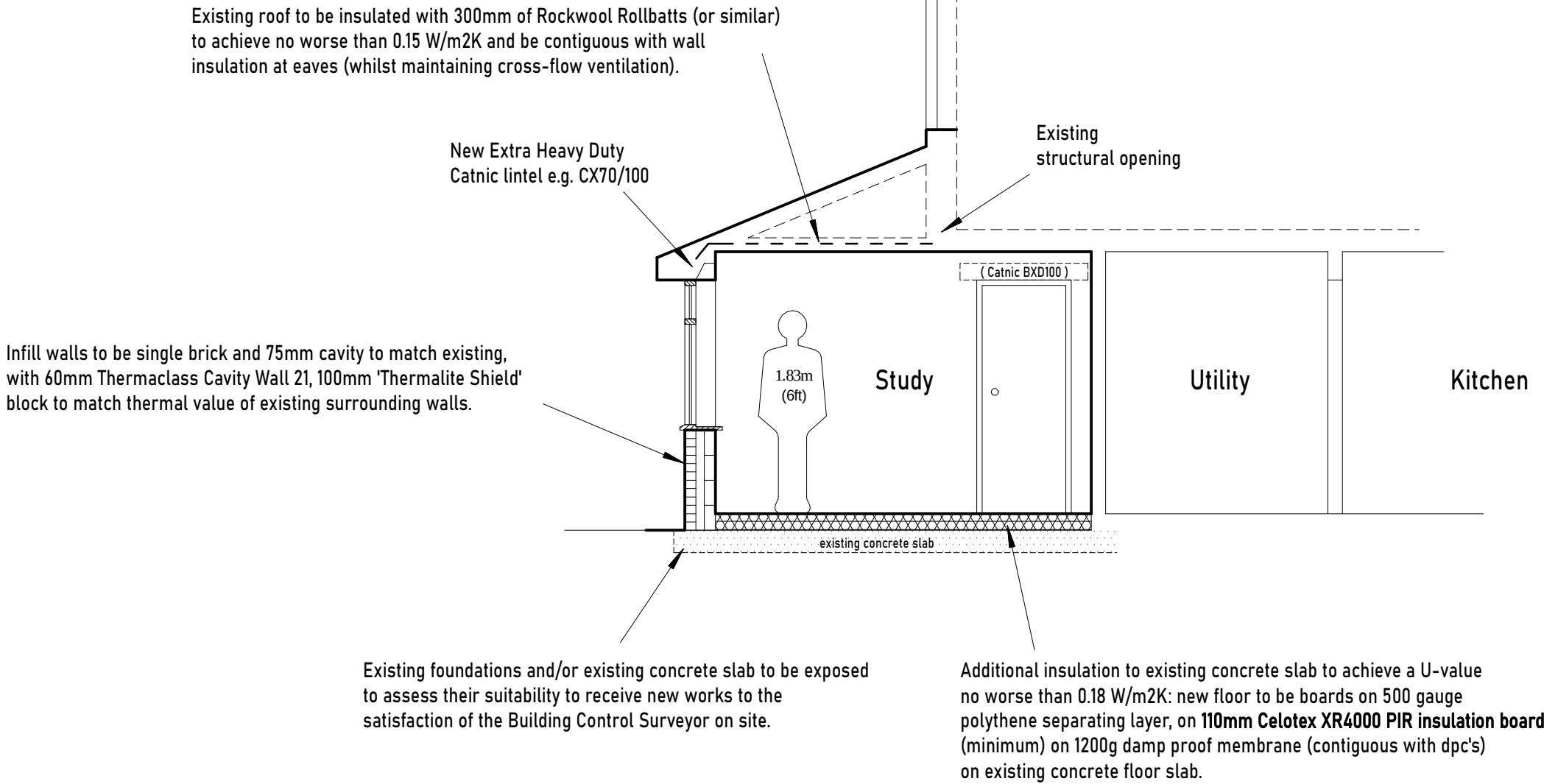




Catnic - A Tata Steel Enterprise

Extra Heavy Duty Steel Lintel BXD100

Wall Construction	INTERNAL WALL
Inner Leaf	100
Outer Leaf	N/A
Cavity	N/A
Loading Details	EXTRA HEAVY



Specification

Product Code	Standard Length (mm)	SWL (kN)	Weight (kg)	Nominal Height (mm)
BXD1000750	750	47	7.06	143
BXD1000900	900	47	8.46	143
BXD1001050	1050	47	9.87	143
BXD1001200	1200	47	11.28	143
BXD1001350	1350	47	12.69	143
BXD1001500	1500	47	14.10	143
BXD1001650	1650	59	25.91	219
BXD1001800	1800	59	28.26	219

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. All brickwork to match existing.

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 150mm (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.

Lintels to be heaviest manufactured gauge (i.e. extra heavy duty) unless shown otherwise.

Bolted triple joists for trimmers, and under studding.

All structural timber to be C24.

Code 4 lead flashings to be used throughout.

Floor joists 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.

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

All ceilings to be 12mm foil backed plasterboard.

Contractor to notify Building Control Department at all relevant stages of construction for inspection. This should include commencement, all interim stages and completion of works. Completion certificate to be obtained from Building Control at the end of the contract for handover to client.

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, the Council 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 and sockets to be fitted between 450-1200mm above finished floor level

GAS SAFE registered person to carry out any work relating to repositioning of existing boiler if required.

If installation of a new boiler is necessary, a commissioning certificate is required, issued by a person competent to do so.

New radiators to be fitted with thermostatic valves

Revision					
	A	18/09/24	Floor insulation spec revised and new lintel added over new window	1m	2m
Title				3m	4m

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Drwg No	CROWTHER-0824-03			Scale: (A2)	1:50
Title	PROPOSED SECTION A-A				
1m		2m		3m	
1m		2m		4m	