

Strip Foundation.

Strip foundations to have a minimum width of 600 mm for 300 mm thick cavity walls and 450 mm wide for 100 mm thick solid walls. Strip foundations to have a minimum thickness of 225 mm. Foundations in gravel's/sands to be a minimum of 750 mm below existing or final ground level whichever the lowest. Foundations shall be taken a minimum of 150 mm in natural sands and gravel's to the satisfaction of the Local Authority Building Control Officer. Foundation work to comply with BS 8000:1, 2 and 5 and BS 8004. General purpose concrete mixes for non hazardous conditions to comply with BS 8500 and BS EN 206-1. Foundations should be situated centrally under the wall. Any ground water is to be pumped out prior to concreting. Base of excavation must be clean and sound prior to concreting (i.e. not disturbed by rainwater or mechanical means). Trenches shall be adequately propped and shored. Any services passing through trench fill concrete should be ducted or sleeved or wrapped in flexible material. Ensure foundations are constructed below invert level of any adjacent drains. A minimum of 24 hours notice to be given to Building Control to enable them to inspect the foundation prior to any pouring of concrete.

Solid Concrete Ground Floor - U-VALUE 0.16 W/m²K .

Finishes to be 22mm moisture resistant T&G timber floorboards on 500g polythene separating layer (VCL). Lay 100 mm ST2, or Gen1 ground floor slab with a smooth finish. Install 100 mm Celotex GA4000 or similar flooring grade PIR insulation on 1200g DPM on 50mm sand blinding on minimum 150mm and maximum 600mm MOT Type 1 clean hardcore on subgrade. Damp proof membrane to be lapped and sealed at all joints. and linked to DPC's in walls. Both subgrade and granular fill to be compacted with a vibrating roller or mechanically tamped minimum 5 passes.

Provide 25mm thick insulated up-stands to continue around floor perimeters to avoid thermal bridging.

level.

If existing air bricks are covered by new extension, provide cross ventilation by installing 110mm UPVC pipes under concrete oversite slab and connect to new 65mm x 215mm air bricks built into new cavity wall. Where reduced level treat surface with weed killer.

Full Fill Cavity Wall With Stone Finish - U-VALUE 0.16 W/m²K

New external walls to be stone externally. Fully filled insulated cavity using 100 mm Knauf Dritherm 32 Ultimate. Cavity wall insulation installed in accordance with manufacturers details. Inner skin of 100 mm Celcon Solar 2.9N Blocks, with compressive strength in accordance with structural engineer's details. Finish walls internally using 50 + 12.5mm Celotex PL3000 insulated plasterboard dabbed to walls using wall adhesive in accordance with manufacturers instructions. Once the dabs are set, it is recommended that additional secondary fixings be applied to insulated plasterboard. Taped and jointed complete with beads and skim plaster finish.

All stonework and blockwork is to be carried out in accordance with the latest amendments of BS 5628. All mortar for external and internal walls shall be class 3 designation and be consistent in colour and quality throughout.



Provide A142 reinforcing mesh 1000mm wide where drainage pipes pass under new floor slab (50mm minimum cover). Weed killer treat reduced

Velux roof lights

Roof lights to achieve a U value of 1.6 w/m2k. All roof lights to include manufacturers flashing kits appropriate to the pitch of roof. To be double glazed with minimum 16mm air space and 'Low E' glass, provide trickle ventilators to windows to habitable rooms equivalent to 8000mm2 and elsewhere 4000mm2

Rafters to be trimmed, doubled up & bolted together

All rooflights must be installed in accordance with manufacturer's details

Pitched roof construction. Roof pitch 15° - U-VALUE 0.14 W/m²K

Smooth grey concrete tiles to be fixed and lapped strictly in accordance with the manufacturer's instructions on 25 x 38mm tanalised sw treated battens on breather roofing membrane with BBA or other approved accreditation. Supported on 47 x 170mm C24 softwood treated timber rafters at 400 centres. Rafters nailed over 100 x 50mm wall plate that is mortar bedded and strapped to inner leaf with 1000 x 30 x 5mm galvanised mild steel straps at maximum 2000mm centres. 150 mm Celotex XR4000 PIR insulation laid between rafters and 50 + 12.5mm Celotex PL3000 insulated plasterboard fixed across face of rafters over vapour control layer (VCL). Finish ceiling with 3mm skim plaster. Allow minimum 20mm air gap between insulation and underside of the roofing felt to allow for sag in felt. Provide lateral restraint by installing galvanised mild steel straps 1000 x 30 x 5mm every 2m along the wall. Straps to be carried over at least 3 rafters with solid noggins and to be built into walls. Ensure that cranked end is tight in contact with cavity face of wall inner leaf and is not pointing upwards.

ALL DIMENSION TO BE CHECKED ONSITE, DO NOT SCALE.

Steel Beams - Lintels

All steel beams and supports to be designed by the Structural Engineer and to be either concealed within the floor void or plaster boarded with 12.5mm fireline plasterboard and skim plaster finish. Or painted using intumescent paint to provide 1/2 hour fire resistance.

The dimensions of all steel sections required should be measured on site by the client (or their representative contractor or steelwork fabricator). The client is to be responsible for the dimensions and should report any discrepancies to the Designer.

Proprietary lintels are to be placed over all opening doors, windows, as designed in accordance with BS5977-2; BS EN 845-2:2003, installed strictly in accordance with manufacturer's instructions and suitable for intended spans.

Insulated steel lintels are to be used in the external walls. Insulated cavity closers should be installed between inner and outer lintels (independent lintels). Insulated plasterboard to be used in reveals. Lintels should be installed with a minimum end bearing of 150mm, bedded on mortar and levelled along its length and across its width. Where a lintel has a clear span of 1200mm or less the bearing length may be reduced to 100mm.

Stop end and DPC trays to be provided above all externally located lintels in compliance with lintel manufacturer's details. Weep holes at 450mm centres with a minimum of two per opening.

Legend					
	Stone Work - Plans				
	Blockwork - Plans				
	Internal Stud Wall - Plans				
	Insulated Plasterboard - Plans				
	PIR Insulation - Plans				
	Stone Work - Elevations				
	Slate Roof Finish - Elevations				
	Window and Door Finish - Elevations				
	Foul Drainage - Plans				
	Surface Water Drainage - Plans				
S.D.	Smoke Detector - Plans				
(H.D.)	Heat Detector - Plans				

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Rev. No.		Rev. Date						
Title:	Sect	ion Details						
Project:	2 La Clith BB7	wson Place eroe 9GA						
Client:	Coleen Hunter 2 Lawson Place Clitheroe BB7 9GA							
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