

General Notes.

The contractor to inspect all existing structures prior to works, during and on completion to ensure the safety of all parts and associated parts of the works. All materials shall be suitable for their purpose. All materials fixed/installed to the manufacturers instructions. All dimensions and setting out to be checked/ confirmed on site prior to any works commencing or ordering of materials. All works to be to the satisfaction of the Building Inspector. The contractor is to ensure the appropriate L.A. notices are sent to the Building Inspector when necessary. The Client is gain written & signed (including witnessed) approval from neighbouring properties in accordance with the Party Wall Act 1996 where the specific works affect the party wall or boundary wall. The contractor is to provide samples of proposed brick, roof tile and other materials etc., for client (and L.A.) approval, if requested, prior to ordering.The contractor is to make good any disturbed surfaces etc. whether included in the works or not. The main house is to remain secure and weathertight during works and out of hours. All external timber to be preservative treated and primed prior to fixing. All fixings to be non-corrosive.All decoration, kitchen fixtures, skirting type, fittings, numbers and position of electrical points, network, USB points, gas outlets, radiator positions etc. to Clients requirements.

Foundation.

(Subject to site investigation) 200 min. thickness C20 mix to BS 5328 concrete strip foundation. One layer A393 mesh (btm face). To project 150mm min. each side of supported wall. Provide 750m min. cover to foundations. Foundations taken below invert of any adjacent drain. Depth of foundations to be to the satisfaction of the Building Inspector.Ensure no encroachment onto adjacent properties without owners written consent prior to commencement of works.

Ground Floor .

70mm sand / cement screed on 125mm concrete slab on separation layer on 90mm Kingspan Thermaflor K103 floorboard on Visqueen 1200 super dpm on sand blinded hardcore.25mm rigid board insulation to perimeter of slab and screed. Dpm's lapped/sealed with existing. Floor level to match main house.All to achieve 0.16 U value. Junction between existing ground floor and new to be checked on site for level.

OR

65mm sand/cement screed on 500 gauge dpm membrane on 90mm kingspan Kooltherm K103 floorboard on visqueen 1200 super dpm on beam/block floor structure (designed by supplier-provide details for building inspectors approval).150mm min sub-floor space ventilated with cavity installed cranked vents built into external wall at 2m ctrs. Floor beams sat on hyload dpc. Dwarf walls on foundation if required. All to suppliers spec/details and calculations. All installed strictly to manufacturers instructions. All to achieve 0.16 U value. If relevant maintain ventilation to existing sub-floor space.

External Walls.

Build up from foundations to dpc level with 2 No skins, 100mm class B engineering or trench blockwork. With 90 mm cavity up to dpc. Lean mix cavity fill up to 225mm below dpc, Weep hole every 4 bricks. Horizontal dpc to BS743 to all walls positioned 150mm min. above finished ground level.Cavity wall construction; 102 mm facing brickwork ,90 mm cavity with 90 mm thick full fill Celotex Thermaclass cavity wall 21 insulation board, 100mm block (lambda=0.18) inner leaf and all load bearing walls. 12.5mm plasterboard and skim on dabs. To give minimum 0.18 w/m2k U value. Stainless steel cavity ties as recommended for insulation batt every 900 mm min horizontally and every 450mm min vertically to give 5 No ties/M2 min. Additional ties at 225 mm ctrs vertically adjacent to openings.Cavity closer to be Dacatie supafix or Thermabate 150mm wide insulated vertical dpc,s to BS743 at cavity closings.Lintels- IG L 1/S 100 (insulated).To have min end bearings as specified by manufacturer or 150mm min. Weep hole every 2nd brick above lintel/flushing.To existing walls ,now internal, 12.5 mm plasterboard and skim on dabs.

Roof Structure

Pitch to match existing roof-approx 23 deg. Rafters (span 3.25m) - 47x195mm rafters @450mm ctrs min. Ridge - 250x75mm.To comply with Trada Span tables.

Roof Construction.

Roof tiles to match existing suitable for pitch on 38 X 25mm SW treated battens on counter battens on Tyvek breathable sarking membrane. On 70mm Kingspan Kooltherm K7 pitched roof board on rafters. A further 70mm Kingspan Koolthem K7 pitched roof board fixed between and toward top of rafters on battens between rafters. To give U value of 0.15 w/m2k Gable board either 15mm treated SW,plywood,UPVC or aluminium (to client's choice) on battens fixed to rafters. 12.5mm Gyproc duplex plasterboard (with vapour barrier) fixed under rafters on sw battens.

Velux roof lights OR similar

Opening Velux rooflight, to clients choice.Glazing structure- "-66". To give a U value of 1.00.Triple glazed. Including flashings etc. Exact specification - electric / manual / finish / accessories, all to client choice.

Rainwater goods.

110mm square section or deep flow upvc gutter and 68mm dia. rainwater pipe (to match existing) discharging into trapped gully. Gutters to have grill over RWP outlet.

Internal openings.

Break thro' to form new door opening.Concrete or steel lintel. Lintels to be double plaster boarded to give 30 minutes fire resistance.

Window

Window to be double glazed, to have opening light of 1/20th room area and a frame installed trickle ventilator to give 8000mm2 ventilaton . Glazing to windows less than 800mm above floor level to be toughened or laminated glass to BS6206. To achieve a whole unit U value of 1.4w/m2K OR a WER band B. Windows to comply with PAS 24:2012 or similar standard. In accordance with ADQ-bld regs..

Door.

Sliding/folding/swing to client requirements. Double glazed with toughened or laminated solar K glass. To give a U value of 1.4 w/m2k or better.

Plumbing.

Soil pipes and accessories to BS4514 and BS5255. New SVP connected to drain run/manhole via rest bend. WC -100mm dia waste direct connection. Shower - 76mm deep seal trap ,40mm dia pipe. Basin 76mm deep seal trap ,32 mm dia pipe.

Electrical Installation

All installation to comply with the current IEE regulations. Part P qualified contractor. Broadband network extended. Lighting to be low energy light fittings with each lamp having a minimum luminous efficacy of 75 light source lumens per circuit-watt.

Mechanical Ventilation

To En-suite provide mechanical extract fan to give 15 litres/sec extract rate.

Heating

Extend gas fired central heating system utilizing radiators and hot water storage if existing. Gas registered approved. To be confirmed/checked with heating contractor.

Drainage.

Expose, check and agree with Building Inspector, existing drainage system for connecting new rwp gully. Any redundant drains to be removed or sealed in concrete to Building Inspectors recommendations. Comprising 100 mm dia supersleve drain pipes with flexible connectors,inspection chambers etc. Laid to 1 in 40 fall (Min). All gullies to be trapped. Any new or existing drains under slabs/floors etc to be encased in 150 mm thick concrete. Provide concrete lintel where pipe passes through wall if required.

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NOTES / KEY:



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project

SINGLE STOREY SIDE EXTENSION.

status

Planning & Building regulations

drawing

SPECIFICATION.

L.A.

Bury

date

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drawn by

DD.

scale

NTS@A3

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