

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. “cards” and/or notices are dispatched to the Building Inspector when necessary.
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.Assumed a ground bearing slab as above pending site investigation. 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 7 N/mm2 block (lambda=0.18) inner leaf and all load bearing walls. (Or Alternative external wall build up by contractor to be approved by building control inspector). 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 4th brick above lintel/flushing.To existing walls ,now internal, 12.5 mm plasterboard and skim on dabs.

Roof Structure
Trussed rafter roof.Designed (by supplier),Provide details for building Inspectors approval. manufactured and installed to Eurocode 5,BSEN1995-1-1:2004+A1:2008, BSIPD6693-1:2012 and BS8103-3:2009. With loose timber make up as required.Details to be submitted by truss manufacturer /contractor for Building control approval prior to delivery and installation.Bracing to TRA recommendations as required. Additional strapping as required.

Roof Construction
Roof tiles/slates to match existing on 38 X 25mm SW treated battens on Tyvek breathable sarking membrane. On trussed rafters. 2 or 3 layers mineral wool over ceiling joists to give U value of 0.15 w/m2k. 100 X 75 mm wallplate strapped to wall at 2000 ctrs. max using 30 X 5 MS straps. At gable provide 30 X 5 MS straps built into wall and fixed to 3 no rafters at ridge and eaves level with SW noggins between and under straps.10mm continuous ventilation gap (with insect screen) maintained at eaves. Eaves board either 19mm treated SW,plywood or UPVC (to client's choice) on battens fixed to rafters. 19mm treated SW,plywood or UPVC at gable, (barge boards fixed to gable ladder). Dry verge. Ridge tiles mechanically fixed to BS5534:2014 and ventilation to BS5250:2021.

12.5mm Gyproc duplex plasterboard (with vapour barrier) fixed under ceiling joists on sw battens.
Rainwater goods.
110mm square section or deep flow upvc gutters and 68mm dia. rainwater pipes (to match existing) discharging into trapped gully. Gutters to have grill over RWP outlets.

Plumbing.
Soil pipes and accessories to BS4514 and BS5255. New SVP connected to drain run/manhole via rest bend.
WC -100mm dia waste connected to SVP. Shower and sink 76mm deep seal trap ,40mm dia pipe. Basin 76mm deep seal trap ,32 mm dia pipe. SVP to have R.E. 900mm above floor level. No connection to SVP within 200mm below Wc connection. Sink waste pipe 32 mm dia with 76mm deep seal trap to discharge to drain /B.I.G. gully.

Upper Floor
19mm thick SW T & G floorboarding on 47x195mm timber floor joists @450mm ctrs (span = 3030mm) C16 timber on joist hangers. Provide SW battens between joists for supporting 12.5mm Gyproc wallboard and skim. Joists strapped by 30 x 5mm galv MS straps at 2000mm ctrs. built into wall and fixed to 3 no. joists. SW noggins under straps. Provide strutting between joists.

Double joists under upper floor partitions and wc/shower.Provide 100mm acoustic insulation between joists, isolate / protect electric cabling etc.
Internal openings.
Beams to structural engineers details. On concrete padstones. Beams and lintels to be double plaster boarded to give 30 minutes fire resistance.

Internal Partitions
75 X 50 sw studs at 600 ctrs. faced with 12.5mm Gyproc wall board or moisture resistant wallboard and skim. Provide noggins between floor./ceiling joists for head support. Provide fixing battens for sockets, radiators, fixtures, etc. Provide sound insulation quilt, minimum 25mm, between studs .

Windows
Windows 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 upper floor bedrooms to have escape opening lights of 450mm wide and 750mm high. 0.33m2. Bottom of opening window a maximum of 1100mm above the floor.
Windows to comply with PAS 24:2012 or similar standard. In accordance with ADQ-bld regs..

Doors
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.

Electrical Installation
All installation to comply with the current IEE regulations. Part P qualified contractor. Broadband network extended. Mains wired interlinked fire alarm smoke alarms to ground & first floor hall/landing.
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
Kitchen/Utility-Provide mechanical extract fan to give 60 litres/second extraction Bathroom 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. Balanced flue boiler as indicated. Gas registered approved. To be confirmed/checked with heating contractor.

Drainage.
Expose, check and agree with Building Inspector, existing drainage system for connecting new.
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.

This drawing is ©TECH:D Ltd and is not to be copied, reproduced or re-distributed either in whole or in part without the prior permission of the originator. The originator shall have no responsibility for any liability, loss, cost, damage or expense arising from or relating to any use of this document other than for its intended purpose on this project. This drawing shall be read in conjunction with all other relevant drawings, specifications and associated documentation. Any discrepancies, errors or omissions are to be reported to the originator before proceeding with work. This drawing is for Local Authority submission only. The client is to seek approval from the land freeholder and all parties who may have an interest in the land. All materials shall be suitable for their purpose and installed in strict accordance with the manufacturers instructions. All workmanship and materials to comply with Building regulations, British standards, Codes of practice and NHBC requirements where relevant. The contractor and client are to comply with the CDM regulations 2015. All dimensions are to be checked on site by the contractor prior to proceeding with any work.

NOTES / KEY:

A	Ext reduced for planning.	DD	140824

	Architectural Designer	27 Oakham Close,Bury BL81XJ t: 07887876428 ddriver@techdLtd.co.uk www.techdLtd.co.uk
client		
Ms Charlotte Murray, 41 York Rd East, Middleton, Rochdale, M24 1RJ.		
project		
TWO STOREY SIDE EXTENSION.		
status		
Planning & Building regulations		
drawing		
PROPOSED SPECIFICATION		
L.A.	Rochdale	date Mar 24
drawn by	DD.	scale NTS@A3
dwg no	24-03-01	05. rev A

TECH:D LTD