

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. If the ground is unsuitable then alternative floor solution as below.

All to achieve 0.16 U value.
Junction between existing ground floor and new to be checked on site for level.
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.

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. 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/flashing.To existing walls ,now internal, 12.5 mm plasterboard and skim on dabs.

Roof Structure-lower roofs

To structural engineers details.

Roof Structure-upper roof.

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 and suitable for pitch on 38 X 25mm SW treated battens on counter battens on Tyvek breathable sarking membrane. On 60mm Kingspan Kooltherm K107 pitched roof board on rafters. A further 75mm 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.

100 X 75 mm wallplate strapped to wall at 2000 ctrs. max using 30 X 5 MS straps. Mono pitch-200x75 mm wall plate anchor bolted to brickwork at top of mono pitch roof. 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, material to clients choice or 19mm UPVC on battens fixed to rafters.
19mm UPVC, material to clients choice at gable, (barge boards fixed to gable ladder).12.5mm Gyproc duplex plasterboard (with vapour barrier) fixed under rafters on sw battens.

Roof lights

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

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.

Flashings.

Lead or Nicholsonsons Masterform alternative to lead installed to manufacturers recommendations. At roof /wall abutments (stepped where required) provide code 4 lead flashings,treated with patination oil.150 mm min cover .150mm min laps. 25mm into existing brickwork joint with lead joint wedges and clips (bottom edge) at 500mm max ctrs and pointed with caulking compound. Max sheet lengths 1500mm,minimum laps of 150mm. Copper clout nails.Cavity trays built into wall. All in accordance with the Lead Sheet Association.

Valley Flashings. Code 4 or 5 lead on gutter boarding,tilting fillets,lead saddle,welts etc.Max sheet lengths1500mm,minimum laps of 150mm. Copper clout nails. All in accordance with the Lead Sheet Association.

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 76mm deep seal trap ,40mm dia pipe. Basins 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 timber joists @450mm ctrs C16 timber as described on structural engineers details,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 75mm 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 wall.

100mm blockwork wall between garage and main house on foundations. Up to roof level. To structural engineers details.

Internal Partitions

75 X 50 sw studs at 600 ctrs. faced with 12.5mm Gyproc 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 1.6w/m2K OR a WER band C.

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 1.6 w/m2k or better.

Fire resisting door to garage. To be FD30s fire resistant door/frame sets with intumescent strips and fire rated hinges (3no grade 7/door).

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.

Mechanical Ventilation

Kitchen/Utility-Provide mechanical extract fan to give 60 litres/second extraction Bathroom/en-suites-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.Boiler repositioned to clients requirements.

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 is to comply with the CDM regulations. All dimensions are to be checked on site by the contractor prior to proceeding with any work.

NOTES / KEY:

	Architectural Designer	27 Oakham Close,Bury BL8 1XJ t: 07887876428 d:driven@techdLtd.co.uk www.techdLtd.co.uk
---	------------------------	---

client

Mr & Mrs Kean, 90 Hunstanton Drive, Bury, BL8 1XH.

project

2 STOREY REAR EXTENSION.
PORCH PITCH ROOF AND
INTERNAL ALTERATIONS.

status

Planning & Building regulations

drawing

PROPOSED SPECIFICATION

L.A.

Bury.

date

Aug 23

drawn by

DD.

scale

NTS@A3

dwg no

23-06.03

09

rev .

TECH:D LTD

TECH:D LTD