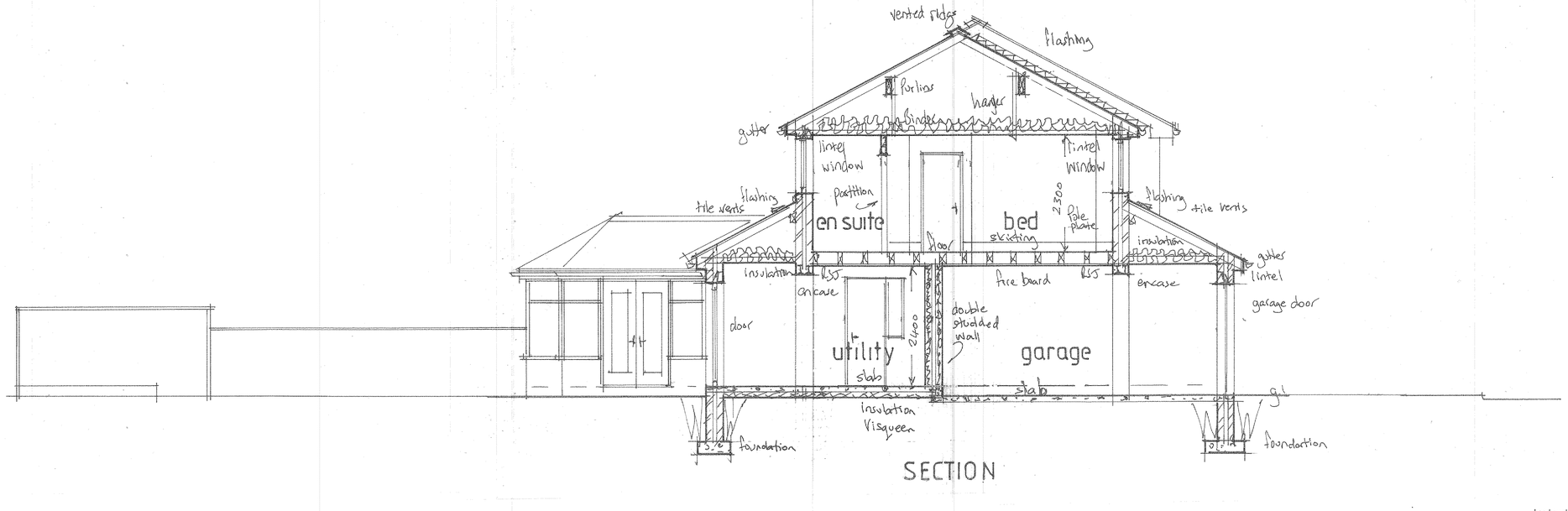


Foundations
Foundations to cavity walls to be constructed of concrete common brickwork up to 150 mm below ground level with Class B engineering brickwork from GL to DPC level externally and concrete block work internally. Walls built off 750 x 200 (C20 mix-20N/mm2) concrete strip foundations, at min depth of 1000mm, to suit local ground conditions. If the ground is found to clay the footings are to be in accordance with NHBC guide 'Building Near Trees' and to be in accordance with BS 8004, BS 5837 and to satisfaction of the Local Building Authority Inspector. Precast concrete lintels to be laid over all openings for drainage and service runs with minimum 150 mm end bearing onto adjacent brickwork.
All existing foundations and structure that is to take new structural loading to be exposed for Building Control to determine its suitability. Strengthen and underpin existing as necessary to carry new loads. Where new foundations arise in vicinity of old foundations, existing should be fully grubbed up and new foundations laid at least the same depth.
Foundations to be taken down to the invert level of any drain passing within 1 metre
RC lintels to be provided over drains passing through walls
Walls below ground level to be filled with concrete cavity filling to 225mm below lowest dpc level. There should not be:

Brickwork good building practice
All new brickwork to be bonded to existing and cavities to be maintained – alternatively use proprietary bolted starter anchor system together with inserted insulation V.d.p.c. (installed in accordance with manufacturers recommendations)
All return corners to be min 665mm unless otherwise indicated
Proprietory stainless steel DD140 wall ties to be provided to cavity walls at maximum 450mm vertical centres and 750mm horizontal centres – staggered across wall elevation. 225mm max vertical centres at reveals. Ties to be long enough to have 50mm minimum embedment into wall. Proprietory insulation clips to be provided to suit cavity insulation system. Wall ties to comply with BS:1234:1978 type DD140
All lintels to have 150mm end bearing.

Steelwork
Steelwork as noted on plan to comply with BS449, BS5950. Steel beams to bear onto concrete pad stones min 300mm x 250mm x 150 mm deep. Where only100mm seating is possible (i.e. no pier provided) steel to sit at minimum 450mm long x 100mm wide x 150mm deep concrete spreader padstones. Piers and walls under steel to be made good and rebuilt if formation of openings has weakened structure or structural engineer has specified a rebuild
Steel beams e.g. r.s.j's, u.b's etc to be cooled in zinc primer prior to building in and to be spaced and bolted together via M12 bolts and spacers of 100mm c/s (unless specified by structural engineer). Fully encased in 2 layers of 12.5mm plasterboard and skim support on 50×50mm cradle to give half hour fire resistance (web flanges packed with mineral woo reduce cold bridging)
Lintels over openings to be proprietary insulated. Steel lintels e.g. Catnic or I.G. etc – lintel type to be suitable for loading configuration and spans. Install d.p.c. cavity tray over with stop ends and weep holes at 900mm c/s – min 2 per cavity tray. Where 100mm cavity is specified ensure correct lintel is used to deal with wider cavity. All lintels to be encased in plasterboard to give half hour fire resistance
Internal door openings (max 1200mm opening size) to have 150mm x 100mm reinforced concrete lintels over or proprietary steel lintels of approval manufacture – min 150mm end bearing
New concrete lintels over new opening to BS5977 Part 2 1986 (150mm x 225mm) deep where shown

Chases:
Vertical chases should not be deeper than 1/3 of the wall thickness or, cavity walls, 1/3 of the thickness of the leaf
Horizontal chases should not be deeper than 1/6 of the thickness o the leaf of the wall
Chases should not be so positioned as to impair the stability of the wall, particular where hollow blocks are used

Cavity Walls Brick/Block full fill 150mm cavity (U value 0.18W/m2K)
Cavity walls to be 350 mm overall construction to comprise of 102 mm outer skin of facing brickwork with inner skin of 100 mm Thermolite Sheild blockwork. Both skins laid on 1:6 mortor mix with plasticizer and bonded together with Ancon Staifix RT2 cavity wall ties type DD140, suitable for cavities up to 150 mm wide, staggered in alternate rows and spaced 750 mm horizontally and 450 mm vertically. All cavities closed at eaves, door and windows openings with Thermabate or similar insulated cavity closers. 150 mm cavity, 150mm full fill cavity with 150mm Dritherm 32 Ultimate, installed in strict accordance with the manufacturers instructions. Backwork lined internally with 12.5 mm plasterboard on dabs to provide a maximum "U" value of0.22W/m2K. Plasterboard returned into all window and door openings and with continuous band of adhesive around all openings at base and heads of wall and at external corners, in accordance with Accredited Construction Details with details checked on site to maintain quality assurance. All new internal solid walls to comprise of 100 mm skins of dense concrete blockwork (7KN) with 12.5 mm Gyproc Wallboard on dabs with skim finish. Check with the manufacturer regarding the chosen insulation's suitability for building
All masonry work to comply with BS 6268; P3. Clay bricks to BS 3921, Engineering bricks to BS 3921. Concrete bricks to BS 6073. Manufactured stone complying with BS 6457. Mortar: Selection of mortar used below dpc to be in accordance with BS 5268: Part 3
All new brickwork to be bonded to existing unless foundations design differs and cavities to be maintained – alternatively used proprietary bolted starter anchor system together with inserted insulation V.d.p.c (installed in strict accordance with manufacturers recommendations)
All return corners to be min 665mm unless otherwise indicated
Where a former external wall becomes internal as a result of the extension – check condition of exg H.D.P.C's and clean out existing cavities. Where defective – insert injection dpc. Limelite cement based water proof rendering to be used to finish off walls (not gypsum based plaster). New Internal Blockwork Walls (if applicable) to provide Buttressing to gable walls and to be fully bonded at junction to inner leaf of external wall and to be taken down to a suitable bearing stratum on concrete foundation to be agreed with Building Control Contractor to check indicated walls are non load-bearing prior to removal. If found to be load-bearing seek structural engineer's advice as to additional support required.

DPC's
Cavity wall and internal block work walls to incorporate PVC type dpc at ground floor finished level minimum 150 mm off external ground level. Polypropylene cavity trays to be installed in cavity walls above openings, single storey roofs, complete with weep-holes @ maximum 1000 mm centres to BS 5628 Part 3.

Cavity closer
Insert Isofoam XCC insulated cavity closer to all new openings all as document I 2013. Width and fixing to suit opening

Methane Barrier
Insert 1200's gauge visqueen full methane barrier under new slab floor vented through air bricks to perimeter of new cavity wall construction and discharged through clean stone surround. Work to be carried out due to possible presence of methane within 250 metres of site.

New opening
Break open existing walls and existing outer leaf at first floor level from floor to ceiling to form new opening and increase room width as shown and provide and insert R.S.J.'s as indicated on plan, over supported both ends concrete padstones. Make good brickwork, plaster, floor and ceiling. Include for all necessary temporary support during execution of the works. See structural engineer's details and calculations. Upon exposing brickwork if any discrepancies appear regarding steel-work notify architect for reassessment. Note any changes or casts incurred are solely the responsibility of the client. Assumptions on existing construction have been made with the limited information obtained during survey.

Ground Floor Construction (u value 0.18W/m2K)
Leveling screed finish on 150mm concrete slab bed on a separating layer of building paper to BS 1521:1972 on 80mm thick Kingspan 'Kaoltherm' K103 floorboard insulation on Visqueen 1200 d.p.m. on 20mm sand blinding on min. 150mm well consolidated hardcore.
Provide 25mm 'Kaoltherm' insulation to external perimeter edges of slab. Visqueen d.p.m. to be turned up around perimeter edges of slab and tucked in under horizontal dpc of inner leaf.

Timber Floors
All structural timber to be stress grade C24 and double vacuum preservative treated – unless otherwise indicated on construction notes
Moisture resistant floor (20mm chipboard/ply) or preservative treated min 20mm timber boarding to be provided to en-suite.
Joists sizes 200x50mm @450 centres and spans are indicated on floor plans – Contractor to check indicated load-bearing walls are suitable to carry floor load. If found to be non load-bearing seek structural engineer's advice as to additional support necessary to be provided.
Floor voids to be infilled with 140mm – Kingspan TF70, 12.5mm. Ten (10kg/m3) plasterboard and skim finish to underside, 12mm fire board to garage ceiling.
Notches and holes to timber joists to be within the following limits. Notches – no deeper than 0.125 times depth of joist and not cut closer than 0.07 of the span, nor further away than 0.25 times the span. Holes – should be no greater diameter than 0.25 times the depth of joist: should be drilled of the neutral axis; and should not be less than 3 diameters (centre to centre) apart; and be located between 0.25 and 0.4 times span from the support. No notches or holes to be cut in roof rafters, other than supports where the rafter may be birds mouthed to a depth not exceeding 0.33 the rater depth
(NO NOTCHING OF ROOF TIMBERS AND FLOOR TRIMMER BEAMS IS PERMITTED)
Double floor joists bolted together to be provided under stud walls and bath rubs – timbers bolted together using 51mm diameter double sided round toothed plate connectors and M12 grade 4.6 bolts at 600mm centres
Stud walls to be min 75mm x 50mm s.w studs at 400mm c/s – infilled 10kg/m3 quilt with 12.55. Ten (10kg/m3) plasterboard and skim finish

Garage Floor.
150 mm thick concrete slab (C25 mix-25N/mm2) incorporating A142 reinforcing mesh set 25 mm below upper surface, on 1200 gauge DPM, lapped minimum 100 mm with all DPC's, on 25 mm sand blinding, on 150 mm well compacted hardcore. Concrete laid to gradual fall to main door.

Restraint straps
Insert 30×5 mm lateral restraint straps between the external walls and floor joists.

Roof Access Hatches
To be insulated and draught sealed to same standard as roof. Water pipes and tanks in lofts to be fully insulated to prevent freezing. Where roof structures abut external walls – ensure all residual gaps/edges are insulated

Ceilings
To be 44x150mm@450 centres under drawn with 12.7 mm foil-backed plasterboard and skim finish. All to Trada Technology span tables for solid timber members in floors, ceilings and roofs for dwellings 2nd edition.

New Roof Construction
Pitched roof with interlocking tiles Grey Marley or similar min pitch of 18 degrees pitch with 100mm overlap. on 50×38mm sw battens on 1 layers Tyvek Supro felt on 44x115mm@450 centres C24 sw rafters. 200X50mm sw ridge plate, Rafters fixed to wall-plate 150x100 with framing anchor. All to Trada Technology span tables for solid timber members in floors, ceilings and roofs for dwellings 2nd edition. Insert two rows of hangers and binders suspended from 225x150mm sw purlins.

Roof void Insulation (U value 0.15W/m2K)
To be 2 layers, 150mm thick Rockwool laid between joists and cross-laid with 150mm Rockwool to give total thickness of 300 mm and a U value of 0.15W/m2K.

Roof insulation between ceiling joists (U value 0.15W/m2K)
To be 2 layers, 150mm thick Rockwool laid between joists and cross-laid with 150mm Rockwool to give total thickness of 300 mm and a U value of 0.15W/m2K

Fixings
Strap down new roof and ceiling with 1000 x 5 x 38 mm mild steel straps at 2 centres fixed across two rafters/joists with 3.35x50 wire nails at rafter and ceiling tie level

Continuous Ventilated Ridge
Provide new continuous ventilated ridge to be mechanically fixed and bedded in sand/cement mortar, or dry fixed system in accordance with BS 5534 2014

Soil and vent pipe
100 mm diameter upvc with airtight rodding access above floor level and sealed into Hepworth 'Hepseal' drain connector at floor level. Stack taken up and terminated 450 mm above springing level with PVC bird cage (900 mm above any opening lights)

Kitchen sink
To have 75 mm deep seal trap into 42 mm diameter upvc waste into back inlet gully

New En-Suite
Provide mechanical extract ventilation to give min extract rate of not less than 15 litres per second which can be run intermittently but has a 15 minute over-run. Extract fan to be ducted to external air via 100mm dia flexible duct to terminate on outside wall at fitted grille. Extract fans to be positioned less than 400mm below ceiling. Ducts to be connected appropriate extract and discharge grilles (min 85% of the duct free area) with back draught device fitted to prevent draughts

New 50mm shower, 40mm sink and 100mm WC waste to be provided to new en-suite and connected to new soil and vent pipe. Anti-vac deep seal traps to be fitted to internal pipes. No opposed waste connections to be made within 200mm of W.C. connection with SVP

Sanitary fittings to ground floor WC
W.C. To have dual flushing action to NWWA regulations and to have 25 mm overflow direct to external air. Connect with 'p' trap and 100 mm diameter upvc soil branch pipe to new 100 mm diameter upvc S & VP. Lavatory basin to have 75 mm deep seal anti vac trap and 38 mm diameter upvc waste connected to 50 mm diameter combined upvc waste connected to S & VP. Connect all fittings to new hot and cold system. Provide temperature mixing value to bath or shower to prevent the temperature of water delivered not to exceed 48 degreeC. All as per (Part G), Hygiene,

New Stud Partitions
To comprise of 12.5mm plasterboard and skim fixed both sides of 75 x 50mm softwood framing. 50mm ROCKWOOL FLEXI sound insulation friction fitted between studs. Wall construction achieves a sound rating of Rw40dB and fire rating of min 30mins each side.

Gutters and fascia
100 mm upvc gutter connected to existing falls to outlet. Fixed to 19 mm exterior grade plywood fascia boards. Provide 12 mm exterior grade plywood soffits fixed directly to underside rafters with continuous upvc soffit ventilators to vent roof space to BS 5250.

Heating
To be supplied by balanced flue gas boiler condensing type, radiators and cylinder min Sedbuck efficiency rating of 88%

Heating
Extend all heating and hot water services from existing and provide new thermostatic valves to radiators. Heating system is to be designed, installed, tested and fully certified by a GAS SAFE registered specialist. All work to be in accordance with the Local Water Authority by laws, gas safety requirements and IEE Regulations.

Radiators
Provide and fit thermostatic control valves to radiators.

Timber
All new timber to be tanalized and stress graded 4
BS:4471 Part 1 (1978) Dimensions for softwood
BS:5268: Part 5 Preservatives Treatment for Structural Timber

Skirting
120 x20 mm half round skirting primed and painted three coats (1 gloss) to new extension

Drainage
All new drains to be Hepworth Supersleve and to be bedded and surrounded in min 150mm pea gravel. 100mm diameter drains to fall 1 in 40. 150mm diameter drains to fall 1 in 60. New drains to be encased in min 150mm concrete where they pass under new buildings. All existing drains found not to be in use to be capped and sealed in concrete. 150mm pre-cast concrete lintels inserted where new drains pass through external walls. Soil an vent pipes to be 100mm U.P.V.C. 38mm diameter U.P.V.C. waste pipes to showers, sinks and baths with roof vent tile outlet or otherwise as noted on the plans. Provide rodding eyes or removable traps to give access to all runs of the soil system. All traps are to be 75mm deep sealed anti-vac traps. All the plumbing installations are to comply with BS:5572. All boxing in for concealed service pipes should be sealed at floor and ceiling levels, and service pipes which penetrate or project into hollow constructions or voids. (Refer to items D of diagram 4 of the Approved Document L). Deep flow gutters and 64/75mm diameter P.V.C. rainwater pipes

All new rainwater pipes to trapped gullies

Drains
100 mm drains min fall 1:40 all to comply with BS en 295

Manholes
150 mm concrete base, 215 mm engineering brick. Bench up in concrete to form channels. Medium duty cover and frame

Encase drains
All drains passing under new extension to be encased in 150 mm thick concrete. Where drains pass under extension walls to be bridged over with 150 x 100 mm reinforced concrete lintels

Existing manhole
Connect new drainage system into existing manhole. Bench up in concrete to form channel

New front door to new property.
New doors to incorporate letter plate/box to have a max aperture of 260 x 40 mm and be located and / or designed to render anyone attempting to remove keys TS 008:2012 accredited letter plate to be installed. Install door viewer, clear glass or means of identifying callers. Provide door chain or limiter. Glazing PAS 24 4.2 infill medium requirement. Where doorset coupled side panel pane should be BS EN 356:2000 class P1A and glazed in accordance with BS 6262. All as required by document Q building regs ,Locking mechanism to be PAS 3621 or PAS 8621.

Fire doors
All doors marked * to be ½ hour self closing fire doors FD30 SC 12 mm rebates with intumescent strips inserted as per Document B2006 edition

Windows and Doors.(replacement or for new extensions)
New window and doors to be PVCu doors to be powder coated aluminium, Pilkington glass, K glass range with 16 mm Argon filled air gap optitherm 4mm Opyifloat, soft low e coating u value to be 1.4W/m2K to windows and doors and 1.77W/m2K to bifolds with fully draught stripped open oble light equivalent to minimum 1/20 floor area for purge ventilation and including minimum 8000mm2 trickle vents per habitable rooms and kitchen, 4000mm2 for non habitable rooms (bathroom, en-suite) for background ventilation in accordance with Part F 2010 Edition System1 Table 5.2a and based on Z77m2 floor area-total equivalent ventilator area 194000m2.
Frames to be lapped minimum 30 mm across cavity closer in accordance with Part L1A section 5.9 and Accredited Construction details under section 5.12 to limit thermal bridging. Details to be inspected on site in accordance with checklist to maintain quality assurance.
Any glazing within 800 mm of floor level, and within 1500 mm of floor level where within 300 mm from a door and all glazing to bifold doors to be safety glass to comply withBS6206. Windows to all first floor bedrooms to incorporate unobstructed clear opening of 0.33 m2 and at least 750 mm high and 450 mm wide, with bottom of open-able area no more than 1100 mm above floor level.

800 Internal doors
800 door set comprising 1981x726x44 solid core flush doors painted three coats , set in softwood frame 13 mm rebated and with ex. 50x25 sw architraves. Doors fitted with 1.5 pairs 100 mm bolts and 1 set lever handles. Style and type of paneled door to client's choice.

Condition Notes
1. The drawings relating to the proposed project are for the purpose of obtaining Planning and Building Regulations approval only.
All work thereafter is undertaken solely at the Clients/ Contractors discretion and liability is therefore transferred.
2. In order to prepare these drawings, certain assumptions have been made which have to be verified both before and during the course of the works. Should at any time the existing construction be exposed which does not agree with these drawings or dimensions vary, then the engineer should be informed immediately and suitable actions taken.
3. All work must be carried out in accordance with the relevant building regulations and codes of practice.
4. Do not scale from drawings. Work only from figured dimensions. All dimensions to be checked on site and any discrepancies to be notified to the relevant bodies immediately.
5. The drawings relating to the proposed project must be read in conjunction with and checked against any structural engineer's or specialist drawings and details provided.
6. The Contractor is to notify Building Control at the appropriate stages of construction – necessary for them to determine the works statutory compliance.
7. Before work commences – ensure all Planning and/or Building Regulations Conditions have been resolved to the satisfaction of the Local Authority.

Integral Garages
Min 100mm step and self closing FD30S SC self closing fire door with smoke seals to be provided between garage and dwelling and to have a secure door set.

Walls enclosing garage to be half hour fire resistant and taken up to underside of floor and roofs – mineral wool fire stopping at junction

Any ventilation ducting taken through garage to be half hour fire resistant enclosed

Walls between heated areas and unheated areas to be insulated as specified to give 0.3W/m2K minimum 'U' value

Lead work and flashings and any valleys.
Use Code 5 lead and laid according to lead development association. Flashing to be provided to all jambs and below window openings with welded up stands. Joints to be lapped min 150 mm and lead to be dressed 200 mm under tiles.

Garage door
New polycarbonate roller shutter garage door timber frame spring loaded, side-locking device.

Garage step
Form min 100 mm step up from garage into habitable area.

R.S.J.'s
Encase new RSJ with 2 layers of 12.5 mm plasterboard and skim with staggered joints to give 1-hour fire protection.

Ventilation
Mechanical ventilation to WC//en-suites by Xpelair DX100 wall mounted extractor or DX100 ceiling mounted extractor. Extractors capable of min 15 L/S extraction and to incorporate minimum 15 min over run timer. Similarly mechanical ventilation to Utility by Xpelair 5L150 wall mounted extractor (min 30 L/S). Mechanical ventilation incorporating in the cooker hood in the kitchen (min 30 L/S) ducted to external wall. All new installed ventilators to be noise attenuating.

Utility Extract Ventilation
Mechanical extract ventilation to give min extract rate of not less than 30 litres per second and to have a 15 minute over-run. Extract fan to be ducted to external air, via 100mm dia flexible duct to terminate on outside wall at fitted grille. All new installed ventilators to be noise attenuating.

Background ventilation
All new habitable rooms to have background ventilation not less than 8000 sq mm kitchen and en-suites to have 4000 sq mm. Insert permanent trickle vents to heads of all windows to rooms affected. Al to regulation F1 2010

Lighting
Provide 100% of new primary light fitting units to new extension to be of type, which will only take high efficiency lamps Provide min one third of primary lights to have a luminous efficiency greater than 40 lumes per circuit watt. The amount/type of light fittings and electrical wall sockets is to be agreed with the owner before work commences on site.

Electrical Contractor (Competent Person)
All the wiring and electrical work will be designed, installed, inspected and tested in accordance with the requirements of
BS 7671, the IEE 18th edition wiring guidance and Building Regulations Part P (electrical safety) by a competent person registered with an electrical self certification body authorised by the Secretary of State, AND
The competent person is to send to the approved inspector a 'self certification certificate' within 30 days of the completion of the electrical works. The Client is to be provided with a copy of the 'self certification certificate' and a BS 7671 electrical installation test certificate.

Party Wall Act
Any works falling within the Party Wall Act 1996. The client to serve written notice on the owners of adjacent properties affected of the intention to build within 2 months of commencement date. Written permission to be obtained. Further information about the Act can be found in the explanatory booklet available to download from:
https://www.gov.uk/party-wall-etc-act-1996-guidance.

Electrical Fittings.
All sockets to be positioned above 450 mm from floor level, and all switched to be positioned between 1350mm and 1450mm from finished floor level to comply with Part M of the Building Regulations. 100% internal light fittings and all external lights to be LED lamps-luminous efficiency greater than 45 lamp lumens/circuit-watt and total output greater than 40 lamp lumens, with and external lights to incorporate daylight sensor, all in accordance with Part L1B section 4.24 Building Regulations (2010 Edition with 2013 amendments) and Table 42 of Domestic Building Service Compliance Guide 2013 Edition.
Electrical installation to be designed and installed and tested on completion by an NICEIC registered contractor in accordance with BS 7671:2001 to comply with Part P of Building Regulations.

Notes
These drawings are for the purpose of obtaining Building Regulations and Planning permission only.
All work thereafter is undertaken solely at the clients/contractors discretion and liability is therefore transferred. With regards to any matters relating to Planning or Building Regulation, they are solely at the discretion of the client, no information or advice given prior to or after the drawings are completed are for information only and not binding.
All work must be carried out in accordance with the relevant building regulations and codes of practice. Do not scale from drawing. All dimensions to be checked on site and any discrepancies to be notified to the relevant bodies immediately.
Services i.e. Electric, heating, plumbing etc. Are not included in these drawings.

Mains water supply and Efficiency
Mains water supply of wholesome water supplied by statutory undertaker. All WC's to be provided with dual flush mechanisms. Consumption to not exceed 125 litre/head/day with estimated water consumption calculation provided upon completion of project in accordance with paragraphs 2.2 & 2.3 of Part G (2010 Edition)

Thermal Efficiency.
Following completion of the property a pressure test must be carried out in accordance with section 3.13-3.21 of approved document L1A (2013 Edition) and a Carbon Emission rate calculation must be prepared in accordance with section 2.13 of approved document L1A (2013 Edition). In addition an energy rating EPC shall be provided and attached in the property in accordance with section 4.3 Part L1A (2013 Edition).

Lighting
All lighting to be energy-efficient.
Metering and Energy Monitoring Equipment
The electricity metering provision shall be supplemented by additional metering to measure the energy yield from the photovoltaic system. Propose a single point smart meter arrangement to facilitate this with a simple visual display of instantaneous and cumulative energy data.
The amount/type of light fittings and electrical wall sockets is to be agreed with the owner before work commences on site.

Smoke alarms and heat detectors.
Fire Safety Approved Doc B
Where new habitable rooms are provided above ground level, a fire detection system shall be installed. Provide a mains linked smoke alarm in the circulation space on all levels in accordance with Paragraph 1.10 to 1.18. Also provide 1 no smoke detector to ground floor.
There will be a compatible interlinked heat detector or heat alarm in the kitchen, in addition to whatever smoke alarms are needed in the circulation space.

1:100
0 1m 2m 3m 4m 5m 6m
0 0.5m 1m 1.5m 2m 2.5m 3m
1:50
Scale Bar

PROJECT
PROPOSED TWO STOREY SIDE EXTENSION.
DRAWING TITLE
PROPOSED SECTION AND NOTES.
CLIENT
MR. G. FITT
MRS. L. THORPE.
ADDRESS
49, GLAMIS AVE, HEYWOOD. OL10 2LX.
SCALE
SCALE 1:50@A1
DATE
MAR 2025.
DRAWING No
CL 03255937/5.