

Existing Front Elevation

Existing Side Elevation

Existing Rear Elevation

Proposed Front Elevation

Proposed Side Elevation

Proposed Rear Elevation

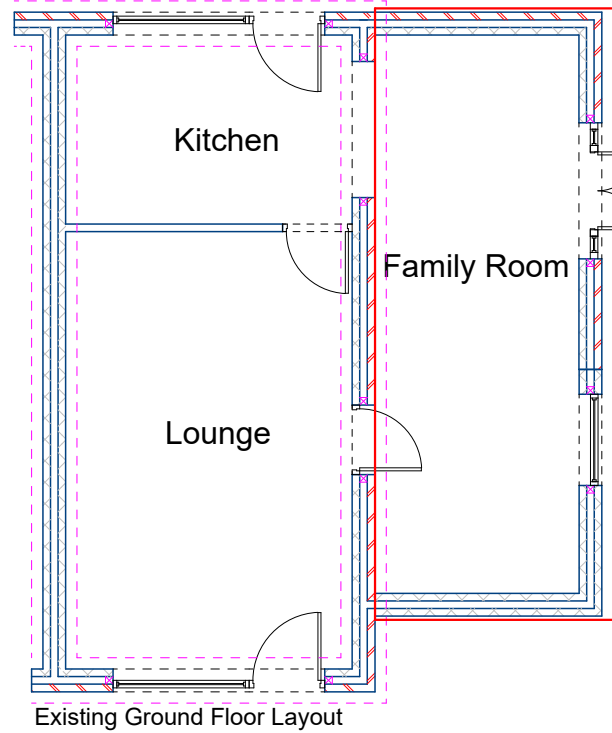
Drains
New storm drains as site plan in 100mm plastic pipes generally laid to 1:80 falls with minimum of 1:100 and new private foul drains as site plan in 100mm plastic pipes generally with a minimum 1 in 40 fall where the peak flow is less than 1 litre per second and 1:80 where the peak flow is greater than 1 litre per second and where there is at least one WC is connected to the drainage run. Bed and surround in pea gravel. All drains passing under slabs and driveways to be surrounded in 150mm concrete including granular surround. Pre-cast concrete lintels to all wall openings where drains pass through. Also please see diagrams 7,8, 11 & 12 of Approved document H for further guidance on the protection of the drainage when passing through or close to the building. Discharge of surface water to be to, in order of priority; soakaways, then a watercourse, then a sewer - to the storm water sewer if existing separate systems are on site, if not to the combined system. Please see section 3 of Approved document H for further guidance. Where public sewers run close (normally within 3 metres) to the proposed building line consent must be obtained from the sewer authority to carry out the building works. Where the building owner is required to enter into a build over agreement with the Sewer Authority, please provide a copy of the agreement letter to Building Control Surveyor.Drain Runs

Drain Runs comprising:
Pea Gravel (Pipe bedding, Pipe cover material), Readymix Concrete GEN 1, 125mm slump (Pipe protection concrete), MOT Type 1 (Pipe back fill material), Plastic Pipe Plain Ended 110mm (Drainage pipe)
Drainage Accessories

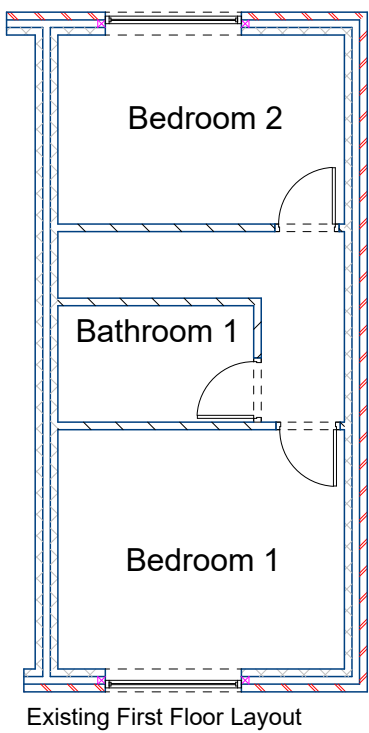
Plastic Pipe Bend DS 87.5 deg 110mm (Soil pipe drains), Plastic Pipe Coupling DS 110mm (Collars for soil pipe drain)

Walls
Generally construct facing brick in flush pointed 6:1 sand/cement mortar (unless matching in to other jointing/pointing systems), and 3:1 sand/cement mortar below DPC, pointing joints appropriate to the conditions of exposure (See table 4 Diagram 12 of Approved Document C). Lean mix concrete cavity fill to 225 mm below DPC. All internal joints to be left smooth and flush pointed. All openings around windows, doors etc. to be provided with vertical damp proof courses or proprietary vertical and horizontal cavity insulated cavity closers to prevent cold bridging. All masonry walls to include a horizontal DPC at least 150mm above ground level lapped into adjacent damp proof membranes. Builder to ensure that all cavities and flashings on the existing building are identified and integrated with new extension to prevent moisture and water ingress into the extension or existing building. Walls to achieve U-value of 0.28 W/m²K. Cavity width as shown on plan and/or section, insulation as specified in individual wall specifications. Movement joints to be provided at 12 metre centres for clay bricks and 6 metre centres for concrete blocks. Where extension walls are constructed on top of existing walls, existing foundations and walls to be inspected by Engineer and Building Control Surveyor and design prepared for strengthening or replacement of existing foundations and walls if required.External Cavity Block Wall

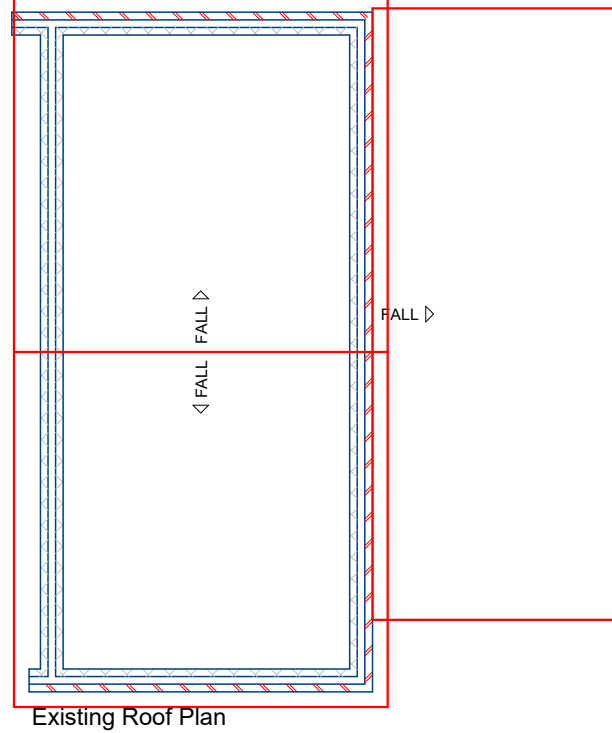
External Cavity Block Wall Comprising:
Readymix Concrete GEN 1, 50 - 70mm slump (Structural concrete), Readymix Concrete GEN 1, 125mm slump (Cavity Fill), Trench Block 300mm (Trench Blocks), Solid Dense Concrete Block 7N 440 x 215 x 100mm (Blockwork to inner leaf below dpc, Blockwork to outer leaf below dpc, Outer leaf blocks above dpc less openings), Facing Bricks (Bricks below splash course), Class A Engineering Brick Blue (Bricks for use in splash course), Insulation Block Standard 440x 215 x 100mm (max conductivity 0.11W/mK) (Inner leaf blocks above dpc less openings), Insulation Coursing Block 3.5N 100mm (Coursing blocks above dpc to inner leaf), Solid Dense Concrete Coursing Brick 7N 215 x 65 x 100mm (Coursing blocks above dpc to outer leaf), DPC to outer leaf, DPC to inner leaf, Building Sand (Sand below dpc in trench blocks, Sand below dpc in brickwork, Sand below dpc in blockwork, Sand above dpc in outer blockwork, Sand above dpc in inner blockwork), Cement (Cement below dpc in trench blocks, Cement below dpc in brickwork, Cement below dpc in blockwork, Cement above dpc in outer blockwork, Cement above dpc in inner blockwork, Outer blockwork finish fixing system / base), 12.5mm Square Edge Plasterboard (Plastering to inner blockwall), Plasterboard Adhesive (Wall plastering fixing system / basecoat), Plasterboard Tape (Wall plastering joint treatment), Board Finish Plaster (Plaster finish to walls), Plastering Sand (Render/Plaster to outer blockwall)



Existing Ground Floor Layout

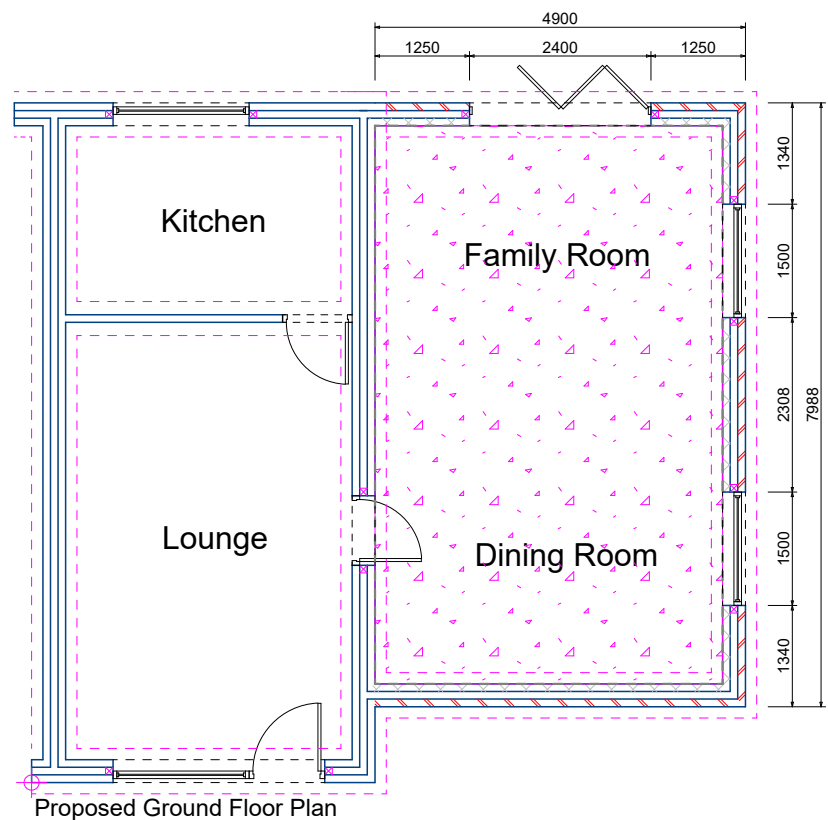
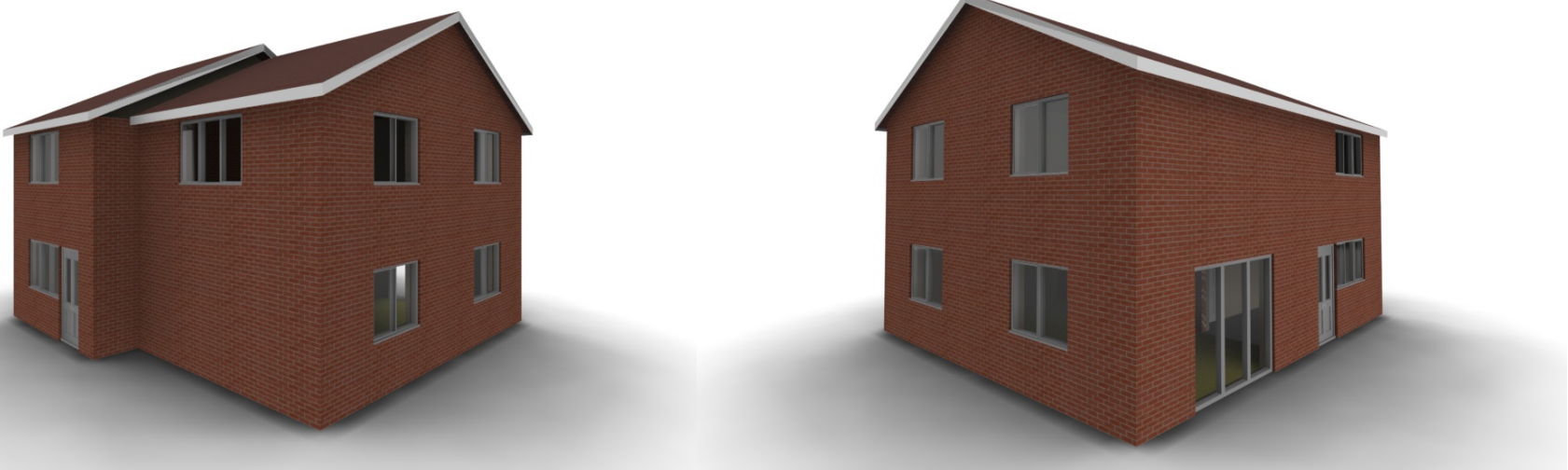


Existing First Floor Layout

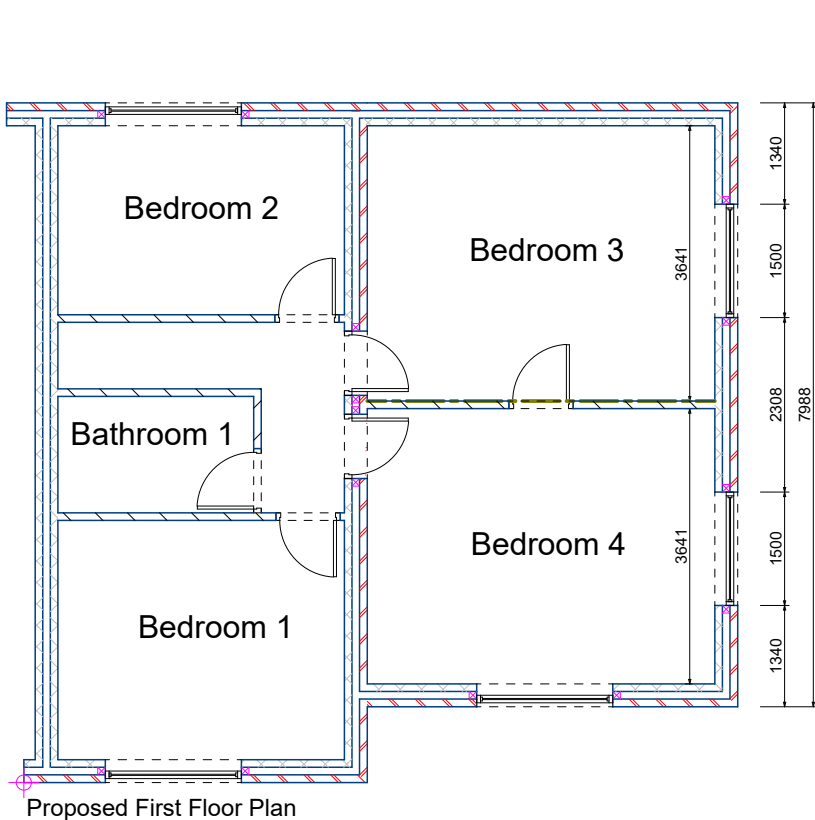


Existing Roof Plan

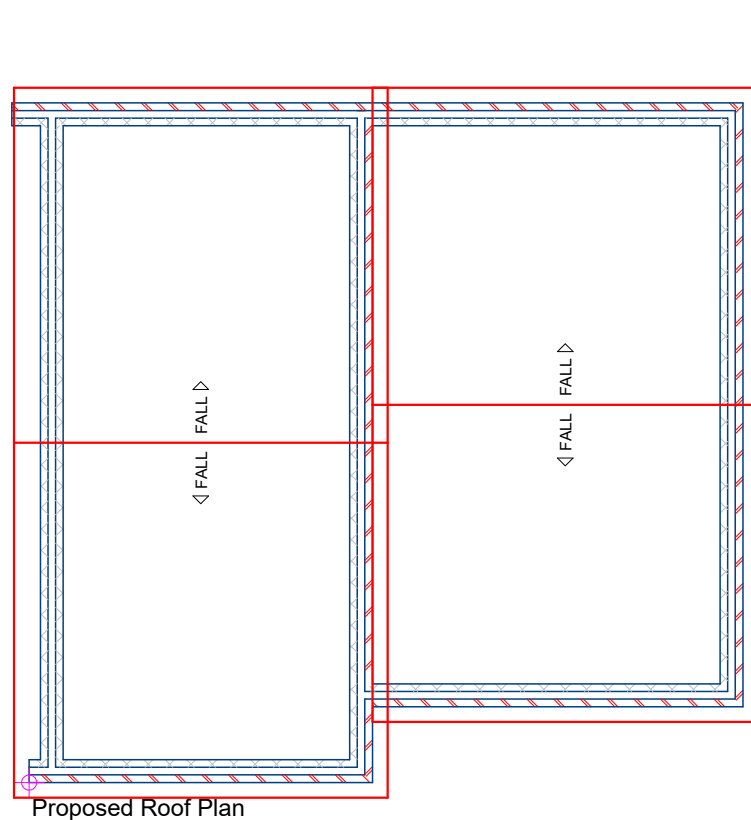
Proposed Images



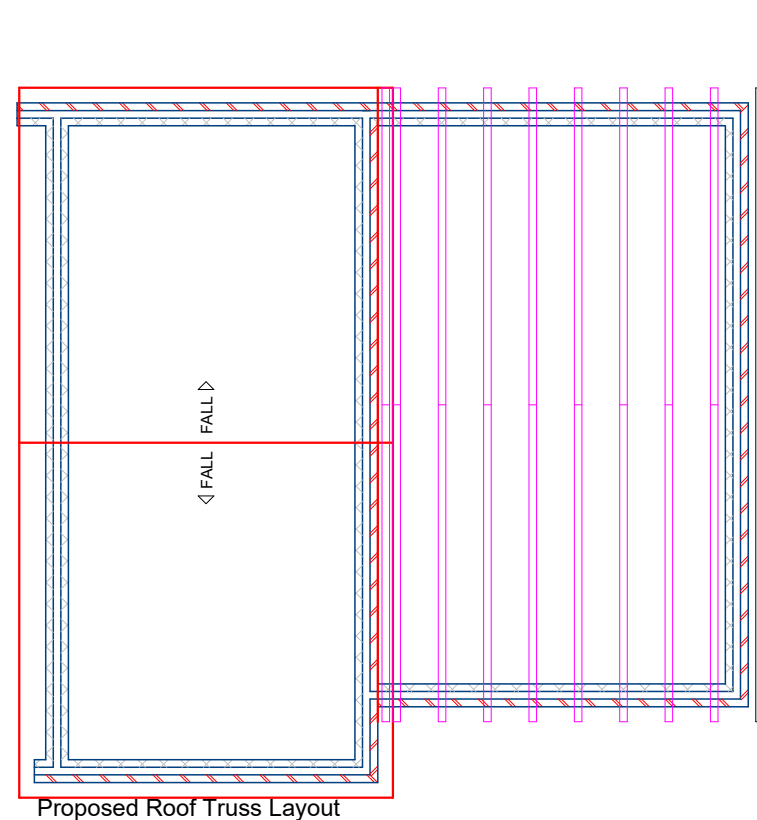
Proposed Ground Floor Plan



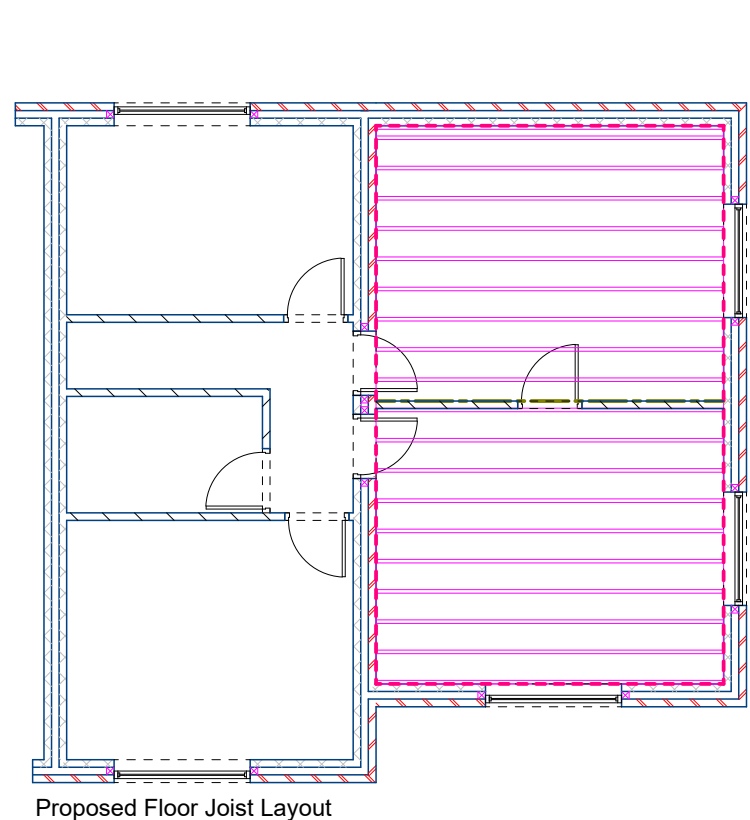
Proposed First Floor Plan



Proposed Roof Plan



Proposed Roof Truss Layout



Proposed Floor Joist Layout

Notes

GENERAL NOTES
No building works to be commenced until full planning permission has been granted or permitted development has been confirmed by local authority. All works to be carried out in accordance with the requirements of the Building Act 1984 and current Building Regulations, to the approval of the Building Control Surveyor.
All works to be carried out in accordance with safe working practices and in accordance with CDM 2015 regulations. Ensure that all materials used internally and externally, e.g. Paving slabs are selected on the basis of ease of lifting by operatives or specify means of safe lifting and positioning in all cases.
Consideration to the provisions of the Party Wall Act 1996 must be taken into account where the proposed building may affect adjacent or attached buildings and structures.
Generally before commencement of building works we recommend that client checks that no easements or conditions have been defined which may affect the permission to construct the proposed building work over existing services and rights of access to the site.
All dimensions, drainage positions, services and boundaries to be verified before construction commences to ensure that any errors do not create problems.

EXISTING SERVICES
Existing Electrical Supplies: Prior to commencement of all building works, positions of all cables and apparatus should be identified and marked on site, recorded on plans and made available in the health and safety file. Where electrical mains run close (normally within 3 metres) to the proposed building line consent must be obtained to carry out the building works.
Existing Gas Supplies: Prior to commencement of all building works, positions of all pipes, conduits and apparatus should be identified and marked on site, recorded on plans and made available in the health and safety file. Where gas mains run close (normally within 3 metres) to the proposed building line we advise advising the supervising authority before carrying out the building works.
Existing Water Supplies: Prior to commencement of all building works, positions of all pipes, conduits and apparatus should be identified and marked on site, recorded on plans and made available in the health and safety file. Where water mains run close (normally within 3 metres) to the proposed building line consent must be obtained to carry out the building works.
Existing Telecoms and Cabling: Prior to commencement of all building works, positions of all pipes, conduits and apparatus should be identified and marked on site, recorded on plans and made available in the health and safety file. In the case of major Telecoms and Cabling infrastructure we advise you to contact the owners of the apparatus prior to commencement of building works.
Existing Public Drains and Sewers: Prior to commencement of all building works, positions of all Drains and Sewers should be identified and marked on site, recorded on plans and made available in the health and safety file. Where public sewers run close (normally within 3 metres) to the proposed building line consent must be obtained to carry out the building works and a copy provided to the Building Control Surveyor.

SITE PREPARATION
The site should be cleared of any material to be stripped from site of building and treated with proprietary weed killer where required. Topsoil to be set aside for reuse if suitable and free of contamination.

BUILDING REGULATIONS PART M 2015 ACCESS TO AND USE OF BUILDINGS
All existing access provisions must not be materially altered and make access and use of building worse than existing building.

BACKGROUND VENTILATION
Background ventilation in the whole dwelling is to be at least equivalent to min 5000mm² to all habitable rooms and 2500mm² to Kitchens, Utility Rooms and Bathrooms with external walls. All internal doors are to have a 10mm undercut. If an additional room is connected to an existing habitable room: see Section 7, paragraph 7.8 and 7.9 and diagram 3 of Approved Document F, for more information on additional ventilation requirements.

EXTRACTOR VENTILATIONEXTRACTOR VENTILATION
Mechanical ventilation to outside air, is to be installed:
Kitchen extractor fan capable of 60 l/s, or Kitchen extraction fans to be fitted with a 15 minute over run where there isn't an openable window and to be connected to light switch where there is no natural light.
Bathroom/En-Suite extractor fan capable of 15 l/s.
WC extractor fan capable of 6 l/s. All mechanical extraction fans to be fitted with a 15 minute over run where there isn't an openable window and to be connected to light switch where there is no natural light.

The maximum proposed area of glazing to an extension is 25% of the floor area of the extension, plus the area of any existing roof windows. The area of any existing roof windows will no longer be exposed as a result of the proposed extension. Where is maximum is exceeded, consideration should be given to one of the following alternatives, in order the proposed works comply with the requirements of the Building Regulations:-

1. Reduce the area of glazing to within the maximum allowed. Or,
2. Conduct an area weighted U-value calculation in order to demonstrate that the area weighted U-value of all of the elements of the extension is no greater than that of an extension of the same size and shape that does comply with all elements of the guidance. (See Note 4.5 in Approved Document L1B.) Or,
3. Submit a whole building SAP calculation.

BUILDING REGULATIONS PART P: ELECTRICAL SAFETY
Electrical installation to be carried out by a professional contractor and to comply with the Electricity At Work Regulations 1989 as amended.
Installation to comply with the Electrical Safety, Quality and Continuity Regulations 2002. Installation to be tested before being taken into service and to comply with BS 7671:2008 and a Provide Part P certificate of compliance obtained from a qualified electrician registered as part of an approved competent person scheme and provided to client and Building Control Surveyor.

PLUMBING
New waste connections to air admittance valves having rodding eye and access point at base. Sink, Bath and Shower 40mm waste and 50mm trap.
Wash Basin 20mm waste and 75mm trap.
W.C. and Cistern 100mm branch connection.
All above ground drainage to comply with BS EN12056-2:2000.
Re-sealing traps where applicable. Head of drainage run to be vented via soil and vent pipe, minimum 900mm above any adjacent opening in the building within 3m. For maximum lengths of branches see diagram 3 or Table 2 of Approved Document H.

ELECTRICAL WORK FOR EXTENSIONS AND ALTERATIONS
The existing equipment rating and condition to be assessed to ensure the additional load or improved to carry the additional load. The correct protective measures are to be used and the earthing and equipotential bonding arrangements are satisfactory.

LIGHTING EFFICIENCY
Controlled services including Heating, Cooling and Lighting for new houses, alterations or extension of the existing lighting system will be carried out in accordance with the current guidance contained within the Domestic Building Services Compliance Guide.

HEATING SYSTEMS
The suitability of the existing boiler is to be assessed and discussed prior to commencement of work. All new radiators are to be fitted with thermostatic valves.

PROVISION OF INFORMATION
On completion of the property or extension or alteration a full set of operating and maintenance manuals is to be provided to the owner of the property.

Where internal renovation of an existing thermal element (roof, wall and floor) exceeds either 25% of the total existing type of that element in the building or 50% of any individual element, that the work may need to achieve the requirements of the Building Regulations, please discuss scope of alterations with the Building Control Surveyor before commencing renovation work.



Project
2 Storey Extension
23 Joyce Walk,
Field Lane,
Fazackerley L10 4YL

Drawing Title
GENERAL ARRANGEMENT
Existing & Proposed Plans & Elevations
Client

Mr K Linton
Drawing No.
190858B

Date
JAN 2021
Drawn by
RR
Scale
1:100
Checked by
RR

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11 Ash House Crow Lane West WA12 9ZJ,
0330 223 4930 or 01942 356190
admin@urbanbuildworx.co.uk - www.urbanbuildworx.co.uk