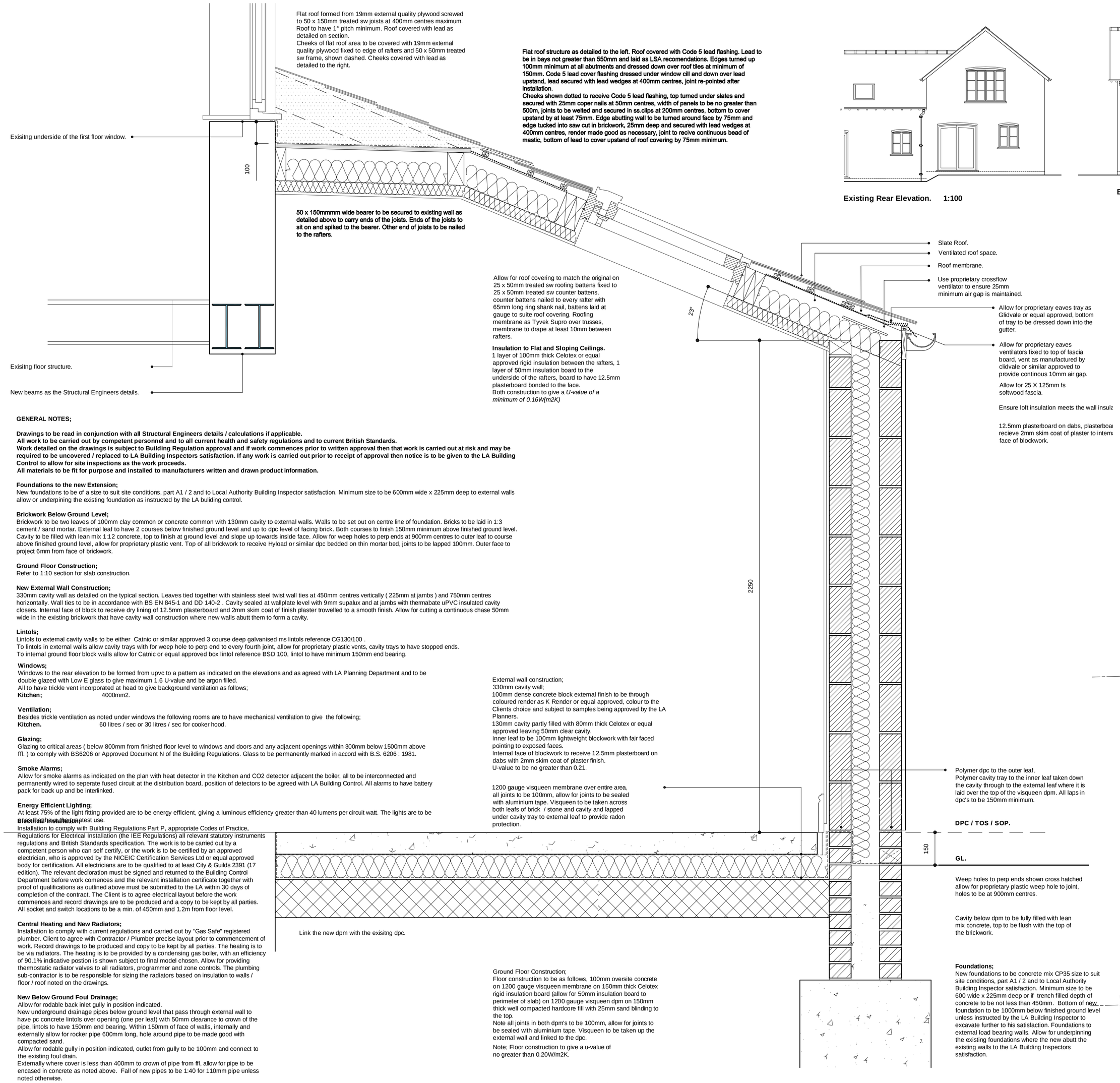


Typical section to the new extension. 1:10.

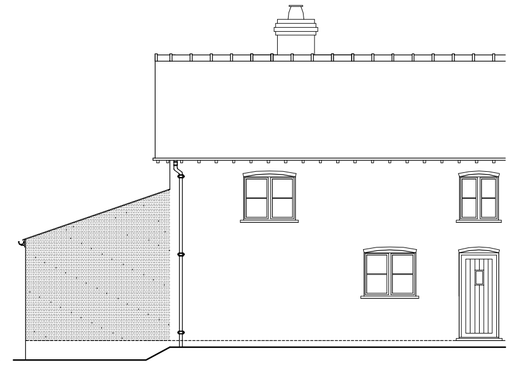
Existing Rear Elevation. 1:100



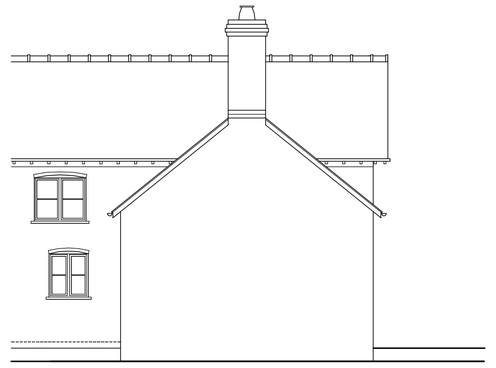
Exisitng Side Elevation. 1:100



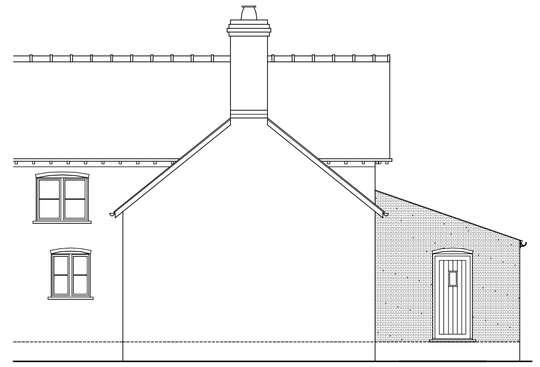
Proposed Rear Elevation. 1:100



Proposed Side Elevation. 1:100



Existing Rear Elevation. 1:100



Proposed Rear Elevation. 1:100

GENERAL NOTES;

Drawings to be read in conjunction with all Structural Engineers details / calculations if applicable.
All work to be carried out by competent personnel and to all current health and safety regulations and to current British Standards.
Work detailed on the drawings is subject to Building Regulation approval and if work commences prior to written approval then that work is carried out at risk and may be required to be uncovered / replaced to LA Building Inspectors satisfaction. If any work is carried out prior to receipt of approval then notice is to be given to the LA Building Control to allow for site inspections as the work proceeds.
All materials to be fit for purpose and installed to manufacturers written and drawn product information.

Foundations to the new Extension;
New foundations to be of a size to suit site conditions, part A1 / 2 and to Local Authority Building Inspector satisfaction. Minimum size to be 600mm wide x 225mm deep to external walls allow or underpining the existing foundation as instructed by the LA buliding control.

Brickwork Below Ground Level;
Brickwork to be two leaves of 100mm clay common or concrete common with 130mm cavity to external walls. Walls to be set out on centre line of foundation. Bricks to be laid in 1:3 cement / sand mortar. External leaf to have 2 courses below finished ground level and up to dpc level of facing brick. Both courses to finish 150mm minimum above finished ground level. Cavity to be filled with lean mix 1:12 concrete, top to finish at ground level and slope up towards inside face. Allow for weep holes to perp ends at 900mm centres to outer leaf to course above finished ground level, allow for proprietary plastic vent. Top of all brickwork to receive Hyload or similar dpc bedded on thin mortar bed, joints to be lapped 100mm. Outer face to project 6mm from face of brickwork.

Ground Floor Construction;
Refer to 1:10 section for slab construction.

New External Wall Construction;
330mm cavity wall as detailed on the typical section. Leaves tied together with stainless steel twist wall ties at 450mm centres vertically (225mm at jambs) and 750mm centres horizontally. Wall ties to be in accordance with BS EN 845-1 and DD 140-2 . Cavity sealed at wallplate level with 9mm supalux and at jambs with thermabate uPVC insulated cavity closers. Internal face of block to receive dry lining of 12.5mm plasterboard and 2mm skim coat of finish plaster trowelled to a smooth finish. Allow for cutting a continuous chase 50mm wide in the existing brickwork that have cavity wall construction where new walls abutt them to form a cavity.

Lintols;
Lintols to external cavity walls to be either Catnic or similar approved 3 course deep galvanised ms lintols reference CG130/100 .
To lintols in external walls allow cavity trays with for weep hole to perp end to every fourth joint, allow for proprietary plastic vents, cavity trays to have stopped ends.
To internal ground floor block walls allow for Catnic or equal approved box lintol reference BSD 100, lintol to have minimum 150mm end bearing.

Windows;
Windows to the rear elevation to be formed from upvc to a pattern as indicated on the elevations and as agreed with LA Planning Department and to be double glazed with Low E glass to give maximum 1.6 U-value and be argon filled.
All to have trickle vent incorporated at head to give background ventilation as follows;
Kitchen; 4000mm2.

Ventilation;
Besides trickle ventilation as noted under windows the following rooms are to have mechanical ventilation to give the following;
Kitchen. 60 litres / sec or 30 litres / sec for cooker hood.

Glazing;
Glazing to critical areas (below 800mm from finished floor level to windows and doors and any adjacent openings within 300mm below 1500mm above ffl.) to comply with BS6206 or Approved Document N of the Building Regulations. Glass to be permanently marked in accord with B.S. 6206 : 1981.

Smoke Alarms;
Allow for smoke alarms as indicated on the plan with heat detector in the Kitchen and CO2 detector adjacent the boiler, all to be interconnected and permanently wired to seperate fused circuit at the distribution board, position of detectors to be agreed with LA Building Control. All alarms to have battery pack for back up and be interlinked.

Energy Efficient Lighting;
At least 75% of the light fitting provided are to be energy efficient, giving a luminous efficiency greater than 40 lumens per circuit watt. The lights are to be **Electrical Installation;**
Installation to comply with Building Regulations Part P, appropriate Codes of Practice, Regulations for Electrical Installation (the IEE Regulations) all relevant statutory instruments regulations and British Standards specification. The work is to be carried out by a competent person who can self certify, or the work is to be certified by an approved electrician, who is approved by the NICEIC Certification Services Ltd or equal approved body for certification. All electricians are to be qualified to at least City & Guilds 2391 (17 edition). The relevant decloration must be signed and returned to the Building Control Department before work commences and the relevant installation certificate together with proof of qualifications as outlined above must be submitted to the LA within 30 days of completion of the contract. The Client is to agree electrical layout before the work commences and record drawings are to be produced and a copy to be kept by all parties. All socket and switch locations to be a min. of 450mm and 1.2m from floor level.

Central Heating and New Radiators;
Installation to comply with current regulations and carried out by "Gas Safe" registered plumber. Client to agree with Contractor / Plumber precise layout prior to commencement of work. Record drawings to be produced and copy to be kept by all parties. The heating is to be via radiators. The heating is to be provided by a condensing gas boiler, with an efficiency of 90.1% indicative postion is shown subject to final model chosen. Allow for providing thermostatic radiator valves to all radiators, programmer and zone controls. The plumbing sub-contractor is to be responsible for sizing the radiators based on insulation to walls / floor / roof noted on the drawings.

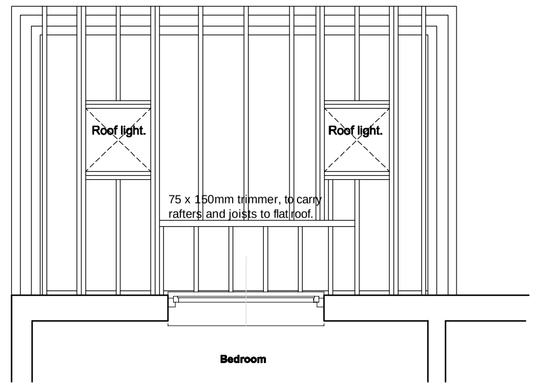
New Below Ground Foul Drainage;
Allow for rodable back inlet gully in position indicated.
New underground drainage pipes below ground level that pass through external wall to have pc concrete lintols over opening (one per leaf) with 50mm clearance to crown of the pipe, lintols to have 150mm end bearing. Within 150mm of face of walls, internally and externally allow for rocker pipe 600mm long, hole around pipe to be made good with compacted sand.
Allow for rodable gully in position indicated, outlet from gully to be 100mm and connect to the existing foul drain.
Externally where cover is less than 400mm to crown of pipe from ffl, allow for pipe to be encased in concrete as noted above. Fall of new pipes to be 1:40 for 110mm pipe unless noted otherwise.

Above Ground Drainage;
Waste from sinks / basins and shower to connect to anti-syphon bottle trap with 76mm deep seal. 40mm diameter upvc waste pipes from the traps to either pass through core holed drilled in the external wall and discharge over new gully.
Wastes from washing machine / dishwasher to connect to running trap with stand pipe at least 600mm high, trap to be 76mm deep, 40mm waste to run and pass through core holed drilled in the external wall and disharge over rodable gully.
All pipes to be clipped at 600mm centres external exposed pipes to be black.

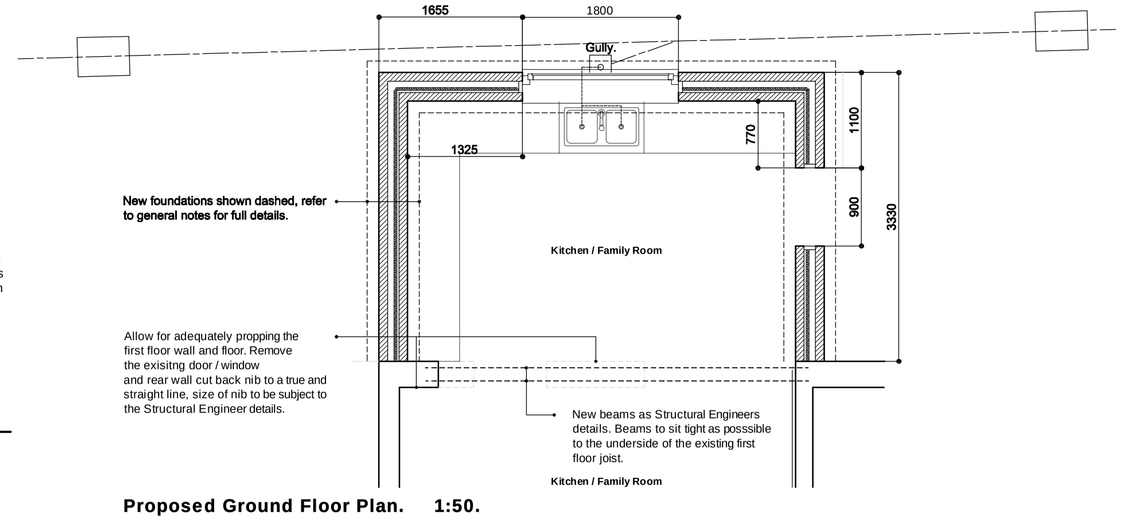
New Surface Water Drainage;
Allow for 112mm black upvc half round gutter. Gutters to connect to 68mm diameter black upvc rain water pipes. Location as indicated on the plans.
Allow for roddable gully's in positions indicated. The gully's are to connect to 110mm plastic pipe and run as indicated to new soakaway. The soakaway is to be constructed at least 5.0mts away from building, refer to site plan for the location. New surface water drain to be 110mm plastic pipe bedded on granular fill, or where below bottom of foundations surrounded in concrete up to the underside of the foundations, fall of pipe to be 1:60 minimum.
Soakaway to be constructed using plastic drainage cells, area of each soakaway to be 1200 x 1200 x 1000mm. Hole to be formed and cells placed on geotextile membrane on 100mm pea gravel bed, cells then wrapped fully in membrane, hole filled using pea gravel surround to cells with at least 150mm surround, top of hole then made good with selected backfill.

Allow for cut roof formed out of 50 x 150 C16 grade sw rafters at 400mm centres. Allow for double rafters to either side of the rooflights and double noggins to the top and bottom of the rooflights. Allow for wallplate as detailed on typical section. Rafters to sit on 75 x 100mm treated sw. wallplate. Wall plate bedded on mortar bed, laps in wall plate to be half lap joints 100mm minimum. Wall plate to be secured with 5 x 30 x 1200mm galvanised ms. straps at 1000mm centres. Straps to be fully screwed to top of wall plate and face of blockwork. Allow for straps as detailed above to verge, similar centres.

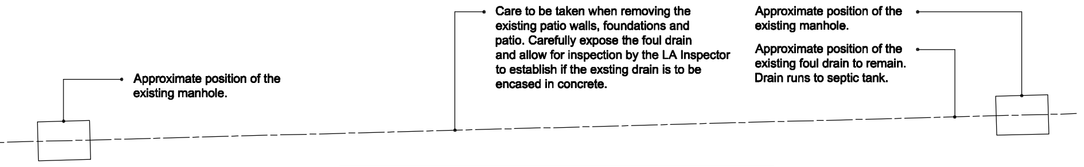
50 x 150mm bearer to be secured to existing wall with M10 rawbolts at 600mm centres maximum, to carry rafters.

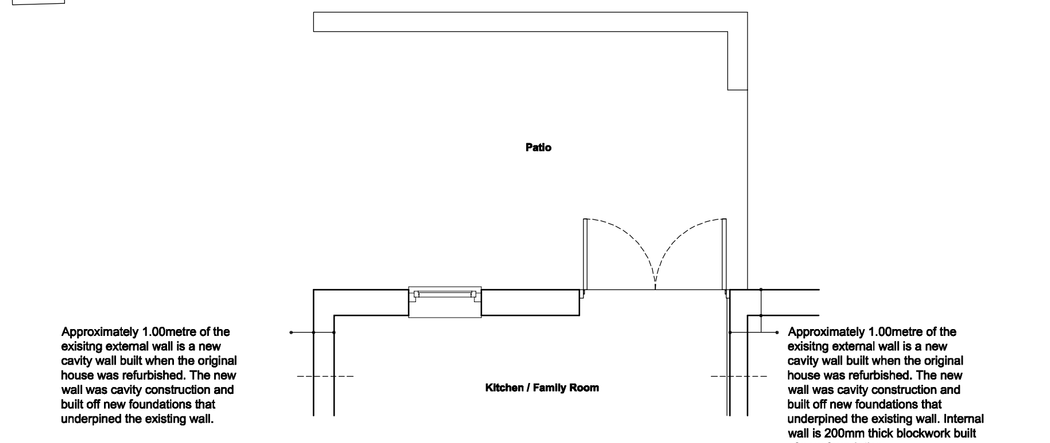


Proposed Roof Plan. 1:50.



Proposed Ground Floor Plan. 1:50.





Exisitng Ground Floor Plan. 1:50.

All dimensions to be checked and confirmed on site prior to any construction. Discrepancies to be reported to Miles Design immediately.

Figured dimensions to be taken in preference to those scaled.

Mr S. H. Miles accepts no responsibility for any unauthorised amendments / deviations to the drawing.

All materials/workmanship to be to current British Standards and Codes of Practice. All specified materials to be installed as manufacturers written product information and where applicable by their approved contractors. Where equal approved is noted as an alternative the contractor is to supply details as requested of alternatives proposed. All materials to be fit for purpose.

Proposed Extension to the existing house to form Enlarged Kitchen / Family Room to Spring Cottage, Hughes Lane, Wrexham for Mr & Mrs. D. Haycocks.

S. H. MILES
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Email

Rev A. 13/05/2019. Rear Elevation Added.
Rev B. 28/05/2019. Additional Rooflight Added.

Title :	**EXISITNG AND PROPOSED PROPOSED PLANS. TYPICAL SECTION AND ROOF PLAN. CONSTRUCTION NOTES.**
Scale :	**1:10 / 1:50 @A1.**
Drawn :	**SHM.**
Date:	**April 2010**
Approved:	
Job. No:	**19/02**
Dwrg. No:	**01**
Rev.	**B**

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