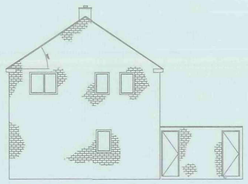
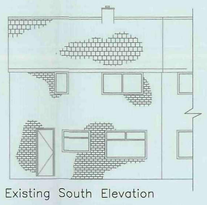


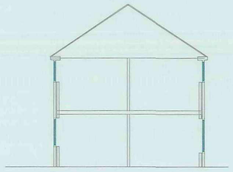
Existing North Elevation

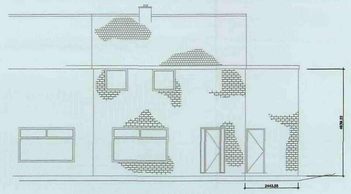


Existing West Elevation

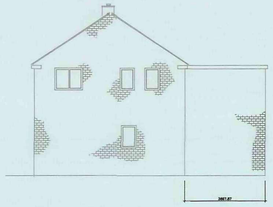


Existing South Elevation

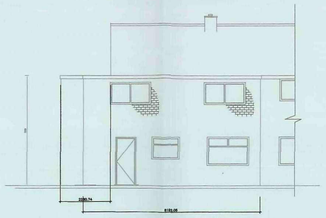




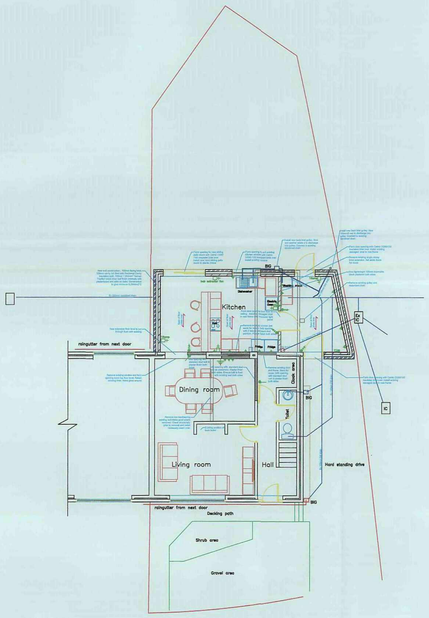
Proposed North Elevation



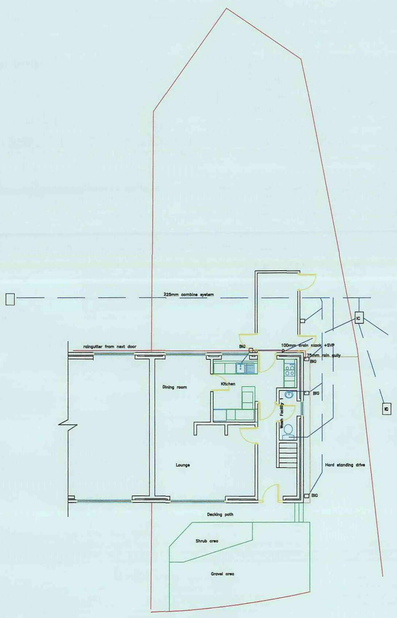
Proposed West Elevation



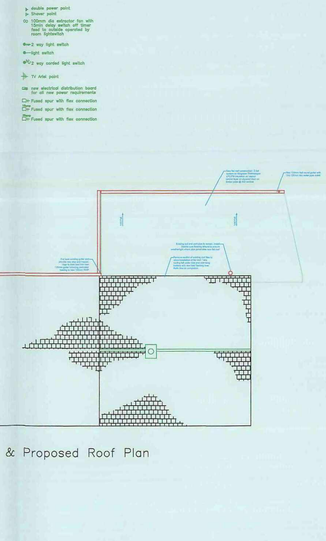
Proposed South Elevation



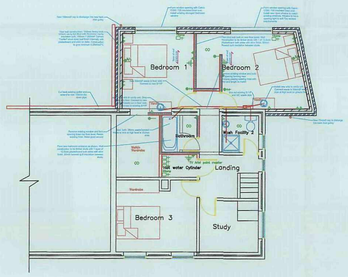
Proposed Ground Floor



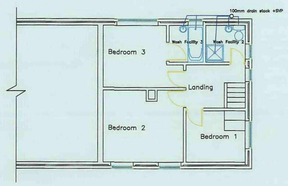
Existing South Elevation



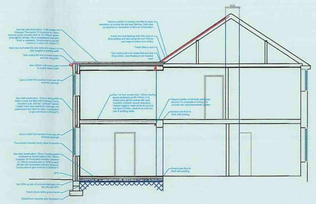
Existing & Proposed Roof Plan

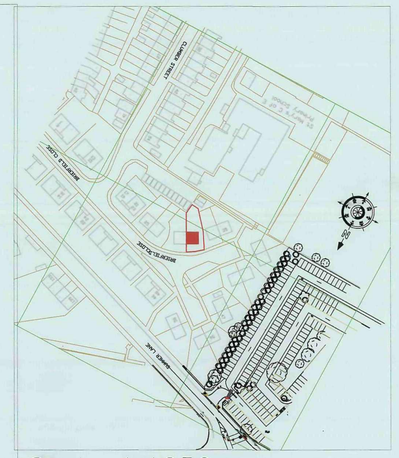


Proposed First floor



Existing South Elevation





Scale 1:1250

Foundation: - Excavate strip foundation down to existing buildings, strip foundation (Approx 1m). Remove 370mm depth of topsoil, cart away.

Provide 600 x 225 1:2:4 concrete strip foundation full length of required strip. Build up wall to within 225m of intend DPM using trench block or equivalent.

Form remainder of wall using standard brick for both inner and outer face up to DPM level

Below ground Drainage:- Reusing or breaking into existing surface, foul or combined drains using 100mm diameter Hepworth hepseal products or equivalent as per drawing. Roding eyes and back inlet gullies as shown on drawing will be supplied. Where drains pass under or through new walls and foundations, these shall be encase in concrete as per section H of the building regs. Drains shall be laid on 100mm 5mm in size granular material and covered over using 40mm crusher run limestone to a depth of 150mm from top of pipe.

Ground Floor Level: -
Compact existing subsoil inside perimeter of new extension.
Provide 75mm thick layer of crusher run base wall compacted
25mm of sand compacted
1200 gauge DPM run up sides and overlapping internal wall
100mm 1:2:4 mix concrete base.
100mm continuous kingspan k3 floorboard insulation
25mm upright insulation board around perimeter of building from base of concrete. Top of insulation board to finish level with proposed timber floor board.
50 x 50mm tanilised timber battens a 450mm centre
Screw fixed with additional kingspan insulator board in between 20m
20mm thick T+G floor boards screw fixed over entire floor area.

Perimeter Wall construction: -
102.5mm stretcher bond using Stairfoot Queens blend brick tied into internal 100mm 7.3N/mm^2 blockwork tied into existing wall every 3 brick level with a 100mm deep cavity filled with 100mm insulation all tied in in accordance with 2C8 using 55 wall ties. D & D 12.5 mm plasterboard and skim finish internally.

Lintols:
Catnic CG90/100 insulated Lintols through out

Internal Partition wall and ceiling construction:-
Timber stud using 59 x 75mm SW framing screwed into position and 2 x12.5mm plasterboard, with 3mm skim finish. Ceilings to have 19mm layer s of plaster board and plaster skim finish

First floor Construction:-
20mm T&G flooring grade floorboards on 38 x 170mm C/6 timber joists at 400mm centres with guilt between (sound reduction). Joist built into wall to a depth of 100mm both sides and given further support by using the straps. Underside 19mm plasterboard and skim.

Above ground Drainage:-
Using Black plastic push fit fittings as required and support by brackets as per manufacturers recommendations
minimum 100mm rain water down pipes
125mm rigid plastic rain gutters
100mm min from WC's
50mm common foul water runs

38mm rigid plastic from individual sinks, baths and showers
32mm rigid plastic from wash hand facilities

Windows and doors:-Reusing existing PVCu windows and or new to match –White PVCu double glazed units with 23mm low-E cavity gases with trickle vents

Roof Construction
3 felt roofing system 3G felt base layer to BS 747, utilising 3G felt base layer partially bonded. Full bonded desk kingspan thermaroof TR21 70mm thick laid across joists and 70mm thick between joists (U-valve 0.17).
18mm plywood deck with vapour control layer

Electrical installation:-
carried out by approved installers and inspectorate according to Part P of the building regulations a new and separate distribution board will be installed for any new works

Residential House extension

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Contact 01226 432428 (Works)
E-mail paulwatson@nhs.net

Electronic version of drawing available

Scale 1:100