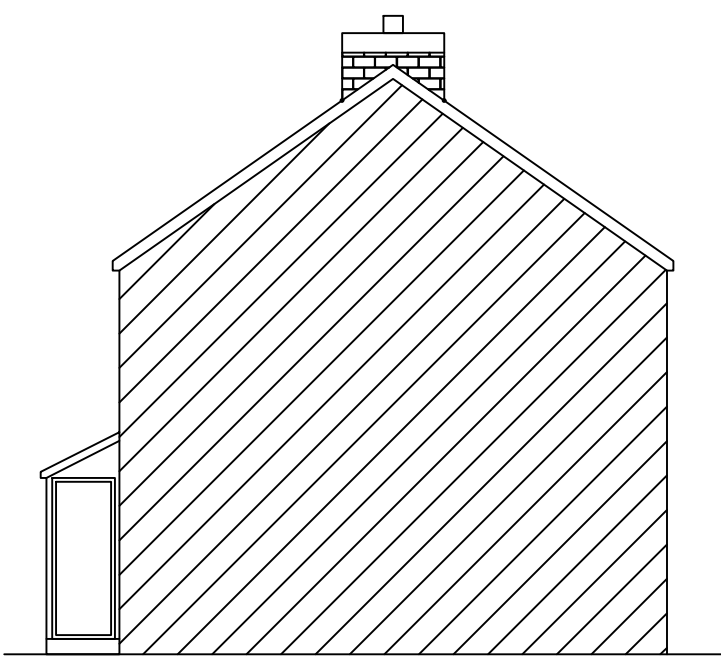
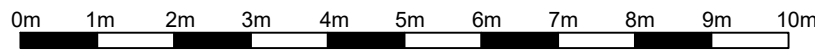


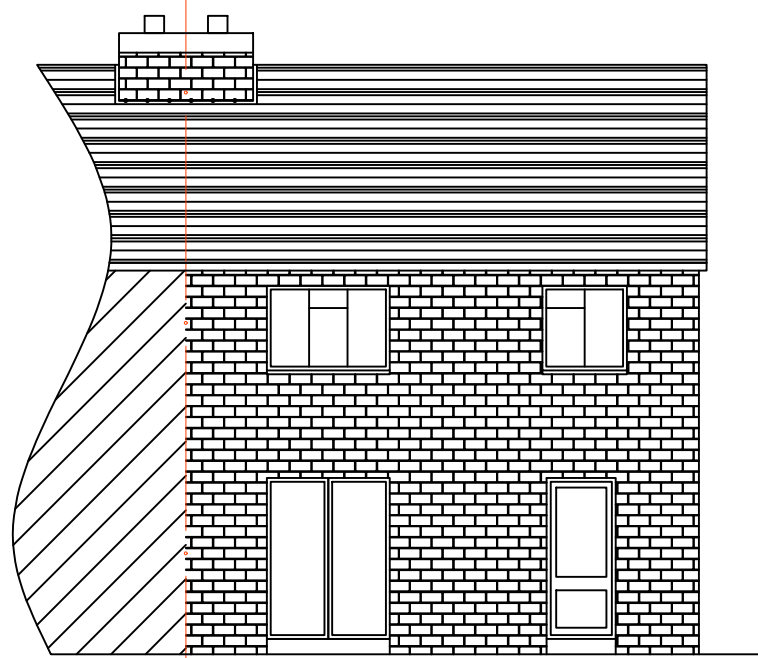
IF IN DOUBT - ASK



Existing front elevation
1:100 @ A1



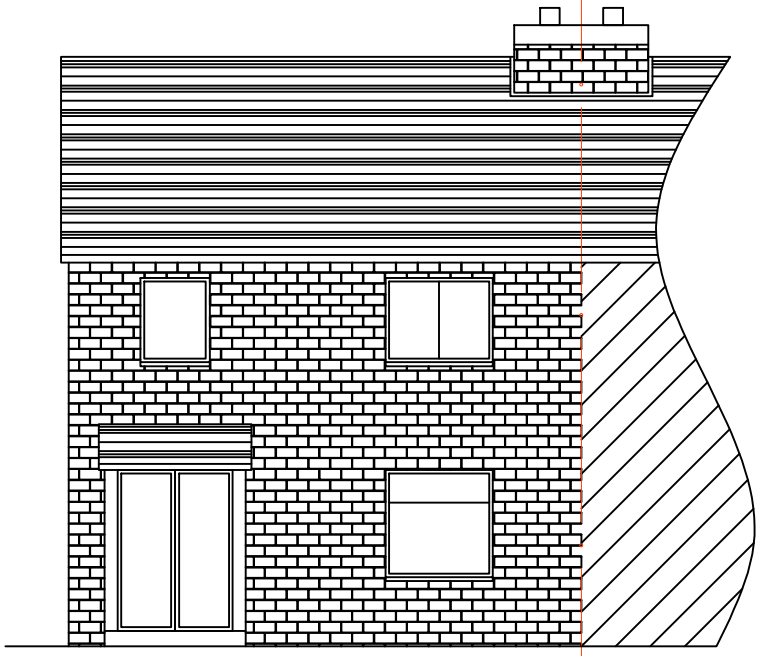
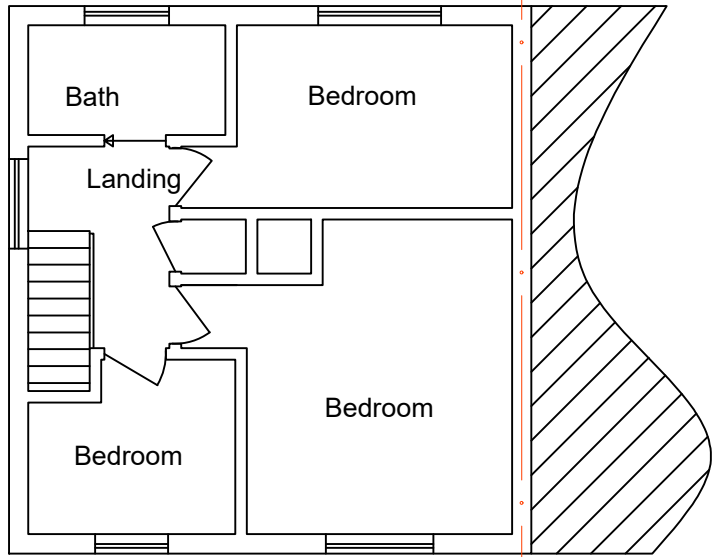
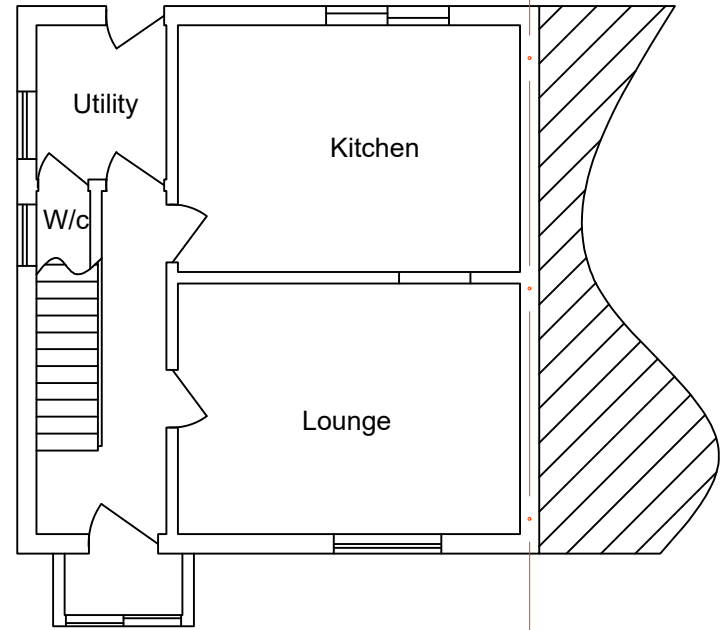
Existing side elevation
1:100 @ A1



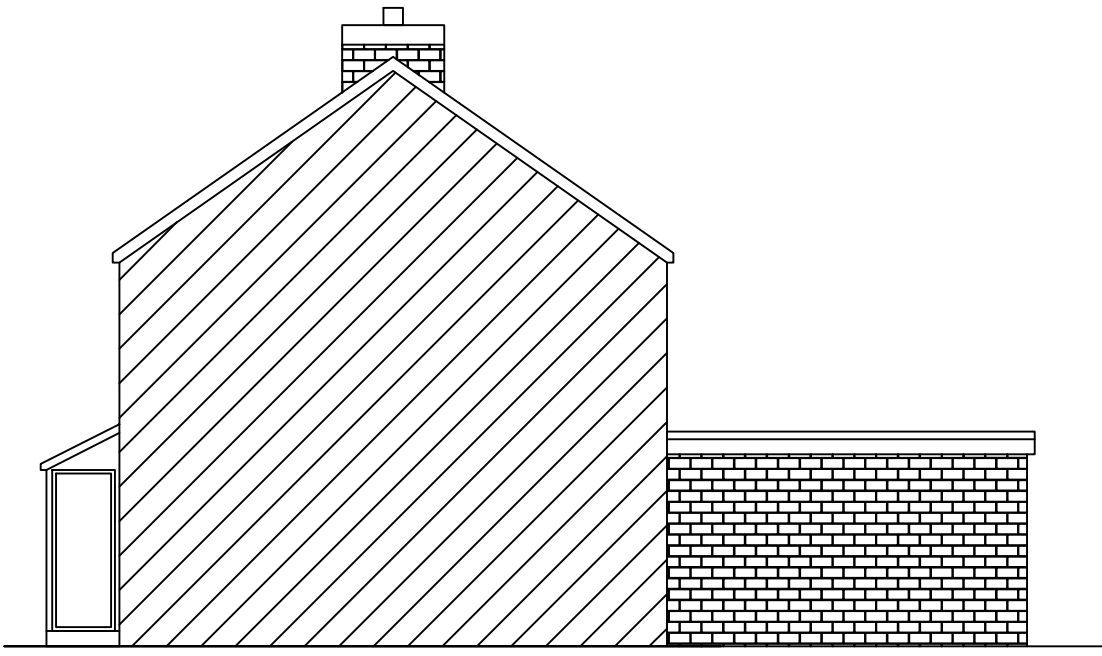
Existing rear elevation
1:100 @ A1



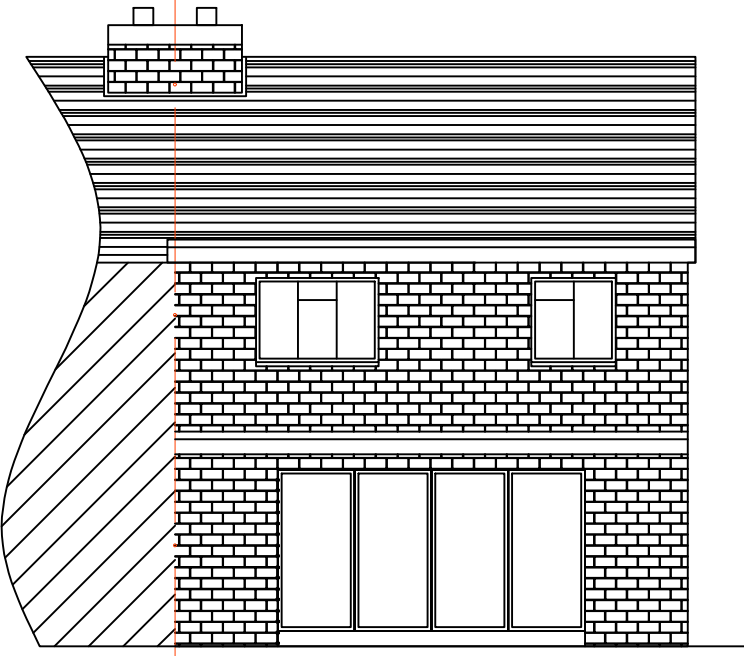
Existing side elevation
1:100 @ A1



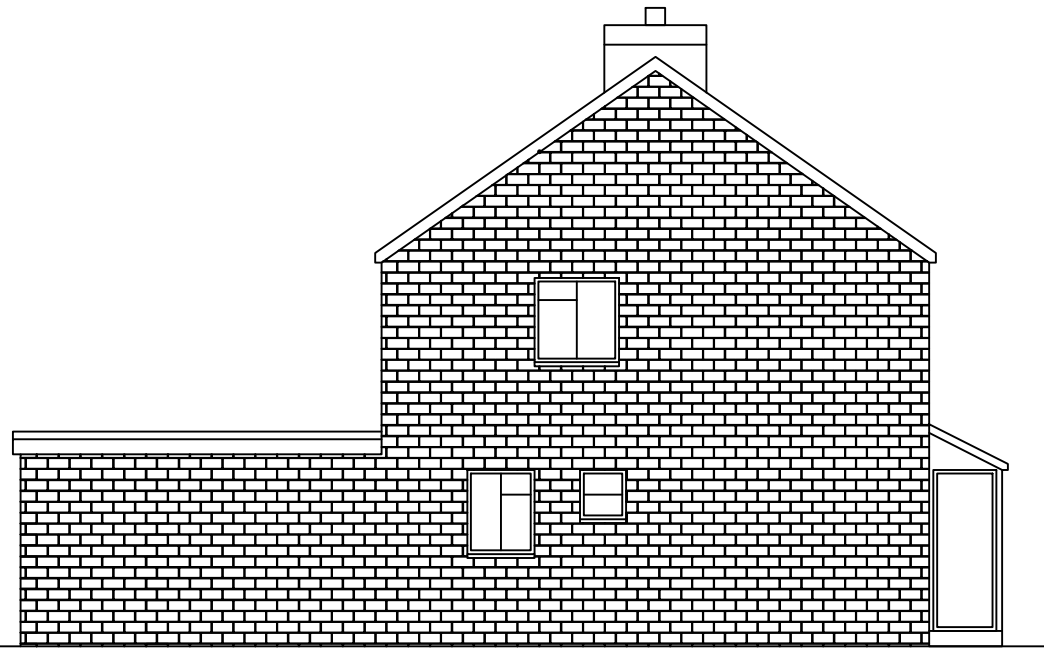
Proposed front elevation
1:100 @ A1



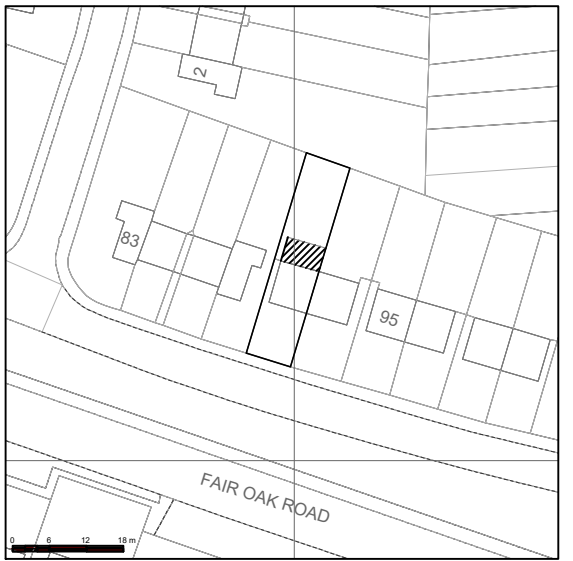
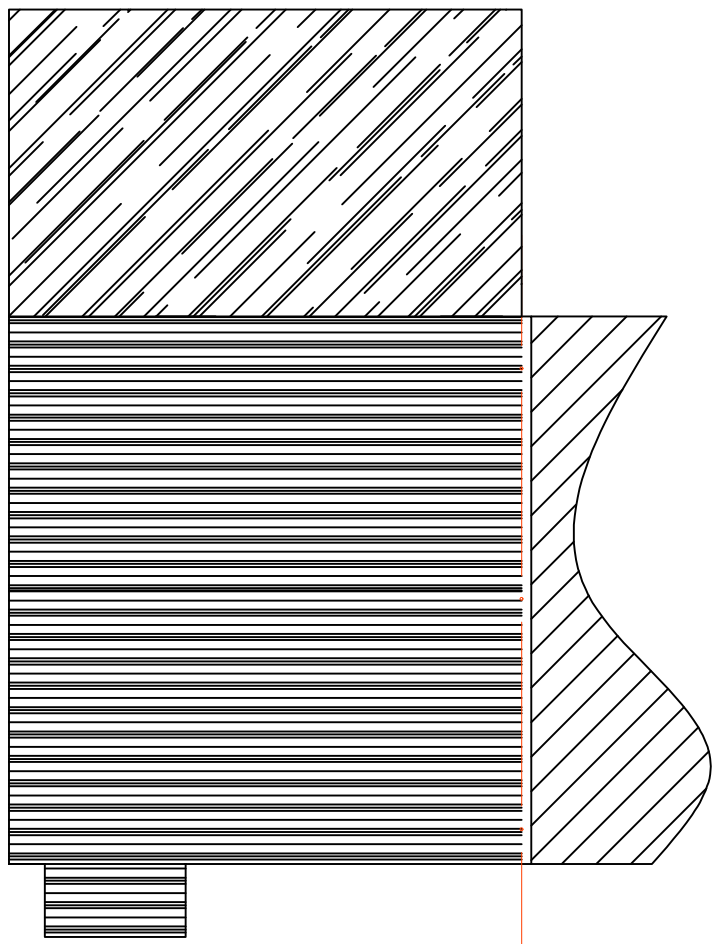
Proposed side elevation
1:100 @ A1



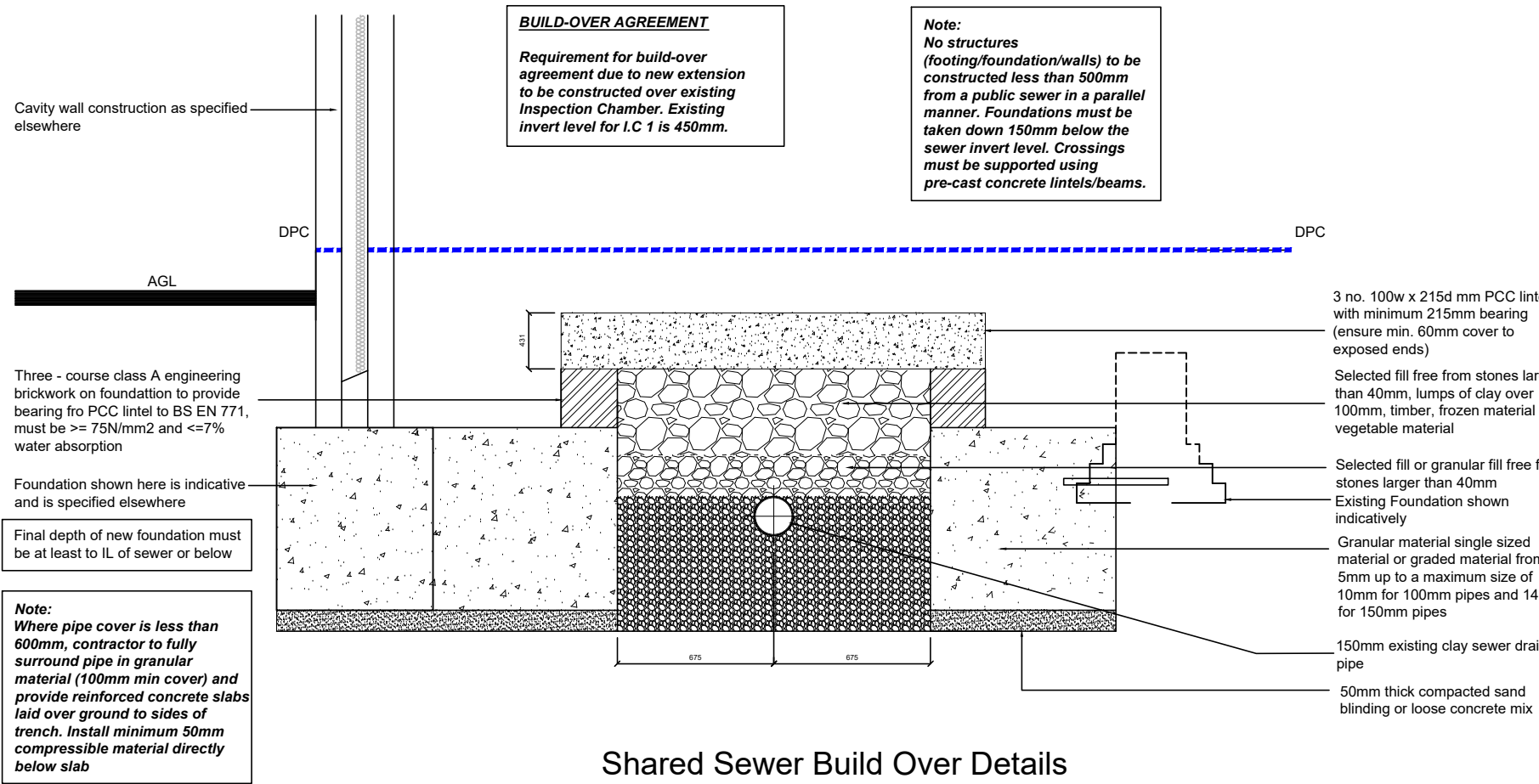
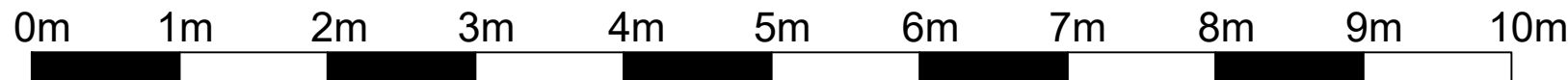
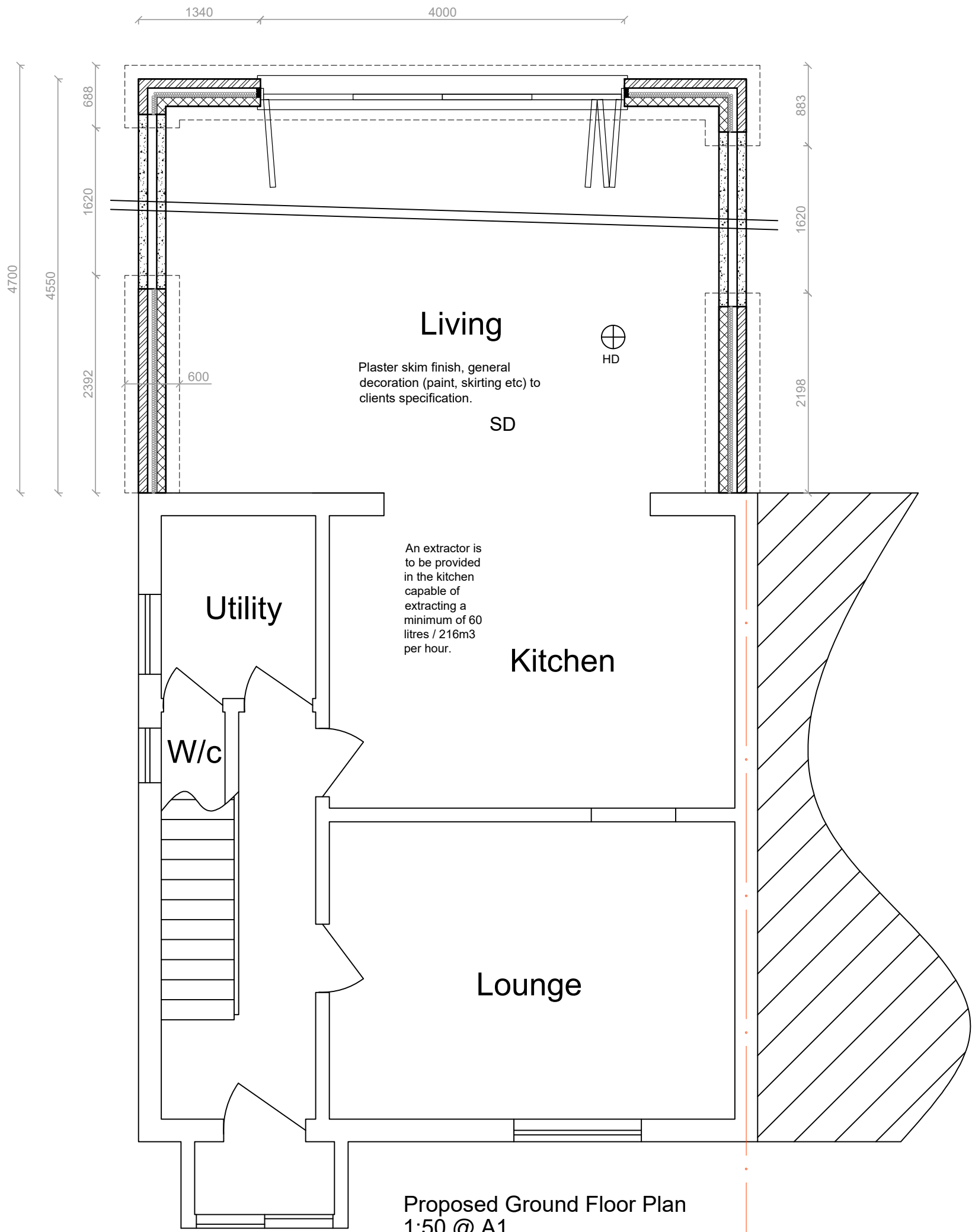
Proposed rear elevation
1:100 @ A1



Proposed side elevation
1:100 @ A1

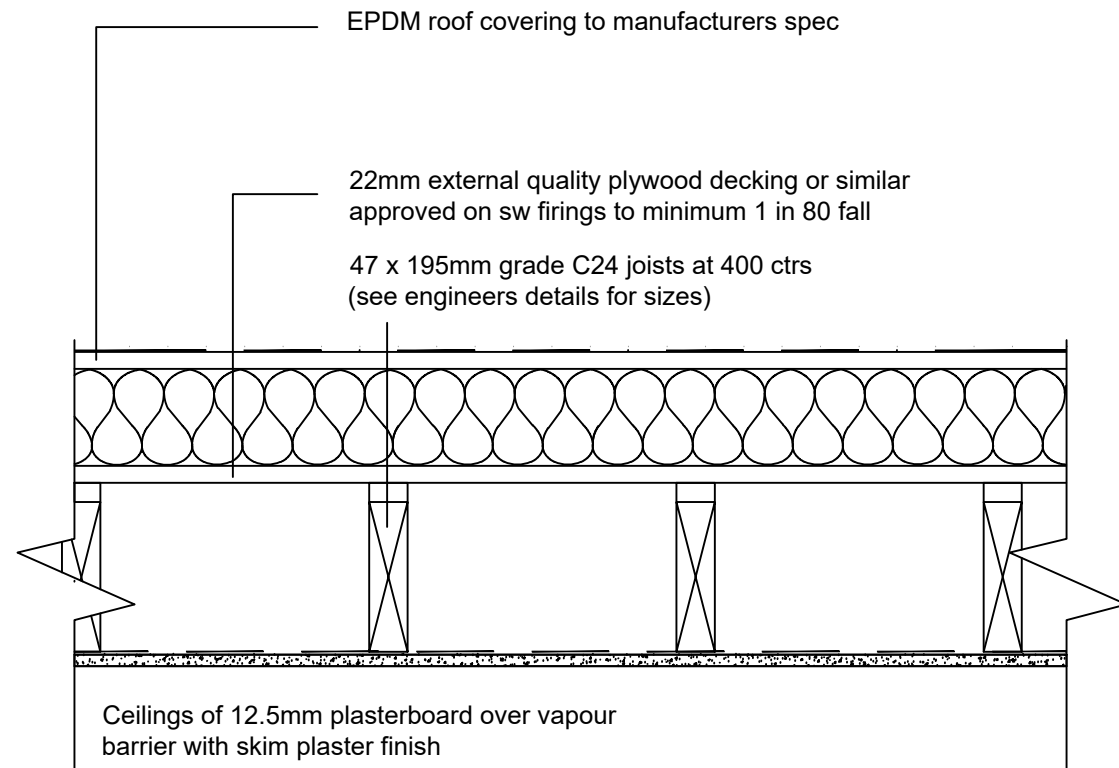
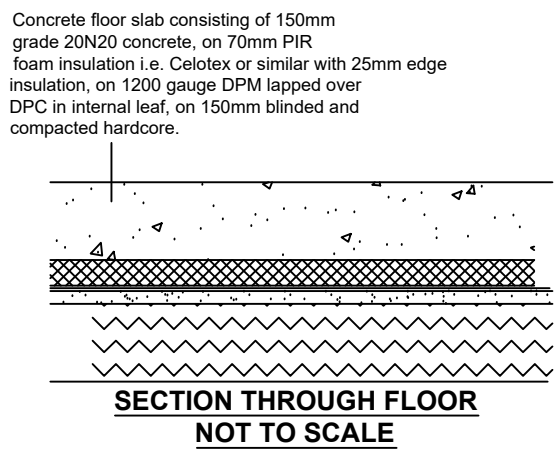


PROPOSED SITE PLAN - 1 : 1250



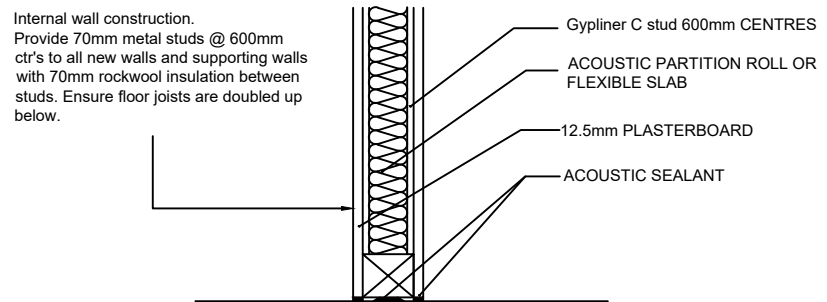
SOLID FLOOR INSULATION UNDER SLAB
To meet min U value required of 0.22 W/m²K
Solid ground floor to consist of 150mm consolidated well-rammed hardcore. Blinded with 50mm sand blinding. Provide a 1200 gauge polythene DPM, DPM to be lapped in with DPC in walls. Floor to be insulated over DPM with 75mm thick Celotex.
25mm insulation to continue around floor perimeters to avoid thermal bridging. A VCL should be laid over the insulation boards and turned up 100mm at room perimeters behind the skirting, all joints to be lapped 150mm and sealed, provide 100mm ST2 or Gen2 ground bearing slab concrete mix to conform to BS 800-2 over VCL. Finish with 65mm sand/cement finishing screed with light mesh reinforcement.
Where drain runs pass under new floor, provide A142 mesh 1.0m wide within bottom of slab min 50mm concrete cover over length of drain.
Where existing suspended timber floor air bricks are covered by new extension, ensure cross-ventilation is maintained by connecting to 100mm dia UPVC pipes to terminate at new 65mm x 215mm air bricks built into new cavity wall with 100mm concrete cover laid under the extension. Ducts to be sleeved through cavity with cavity tray over.

NOTES:
ENSURE CAVITY REMAINS CONTINUOUS THROUGHOUT BRICK WALLING
CODE 4 LEAD FLASHING TO BE USED WHERE REQUIRED
BACKGROUND VENTILATORS TO ALL WINDOWS TO BE MIN 8000 Sq/MM
INCORPORATE INSULATED BOARD INTO CAVITY WALL TO ACHIEVE A MINIMUM 0.3W/M²K
300mm MINERAL WOOL INSULATION TO ROOF SPACE TO PROVIDE 0.16W/M²K



WARM FLAT ROOF

BRICKWORK AS REQUIRED
105 mm OUTER SKIN FACE AND MORTAR TO MATCH EXISTING
100mm CAVITY FULLY FILLED WITH FIBRE INSULATION. STAINLESS STEEL WALL TIES @ 450mm CTR'S, INNER SKIN 100mm TURBO INSULATING BLOCKS . CAVITY BARRIER TO BE PROVIDED AT UPPERMOST PART OF WALL CAVITY "BIRTLEY" CN7 LINTEL OVER NEW OPENINGS IN NEW CAVITY WALLS. VERTICAL AND HORIZONTAL DPC TO BE FITTED TO ALL NEW OPENINGS. NEW EXTERNAL WALL CONSTRUCTION IS TO ACHIEVE A U-VALUE NOT EXCEEDING 0.28w/M²K.



STUD WALL DETAIL NOT TO SCALE

NOTE!
ALL MAPS REPRODUCED UNDER LICENCE No 100047474.

NOTE
ALL MATERIALS USED ON THE PROPOSED STRUCTURE WILL BE IN KEEPING WITH THE ADJOINING AND SURROUNDING DWELLINGS.

WARM FLAT ROOF
(imposed load max 1.0 kN/m² - dead load max 0.75 kN/m²)
To achieve U value 0.18 W/m²K
Flat roof to be single ply membrane roofing providing aa fire rating for surface spread of flame with a current BBA or WIMLAS Certificate and laid to specialist specification. Single ply membrane to be fixed to 22mm exterior quality plywood over 120mm Celotex XR4000. Insulation bonded to vcl on 22mm external quality plywood decking or similar approved on sw firings to minimum 1 in 80 fall on sw treated 47 x 195mm C24 flat roof joists at 400mm ctrs to give a max span of 4.51m or as Structural Engineer's details and calculations. Underside of joists to have 12.5mm foil backed plasterboard and skim. Provide cavity tray to existing house where new roof abuts existing house. Provide restraint to flat roof by fixing of 30 x 5 x 1000mm ms galvanised lateral restraint straps at maximum 2000mm centres fixed to 100 x 50mm wall plates and anchored to wall.

MATERIALS AND WORKMANSHIP
All works are to be carried out in a workmanlike manner. All materials and workmanship must comply with Regulation 7 of the Building Regulations, all relevant British Standards, European Standards, Agreement Certificates, Product Certification of Schemes (Kite Marks) etc. Products conforming to a European technical standard or harmonised European product should have a CE marking.

THERMAL BRIDGING
Care shall be taken to limit the occurrence of thermal bridging in the insulation layers caused by gaps within the thermal element, (i.e. around windows and door openings). Reasonable provision shall also be made to ensure the extension is constructed to minimise unwanted air leakage through the new building fabric.

Date August 2020	Approved by
Drawn by Mark Tuson	Scale - AS DETAILED AT A1
Client Mr A Ruos	Site 91 Fair Oak Road Bishopstoke Eastleigh SO50 6LX
REVISION:- B	
DRAWING NO:- RUSO BR01	