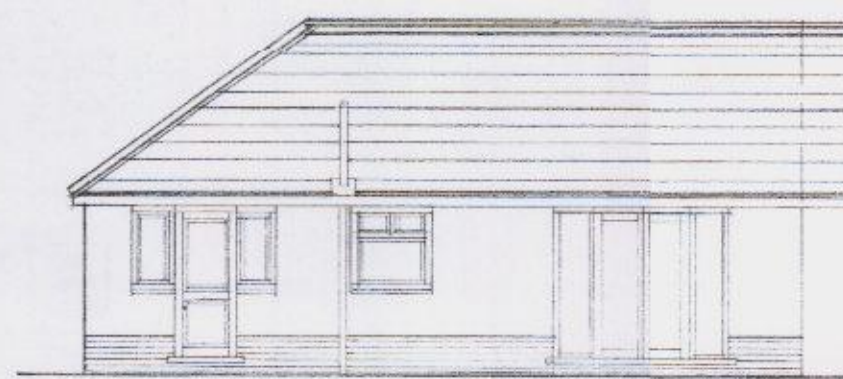
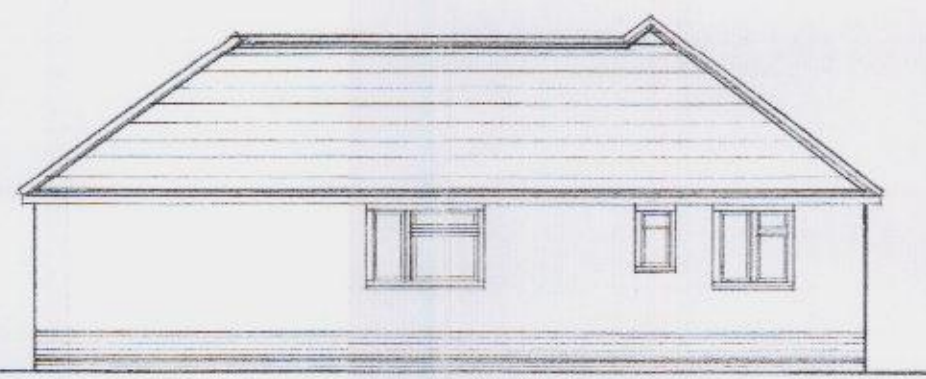
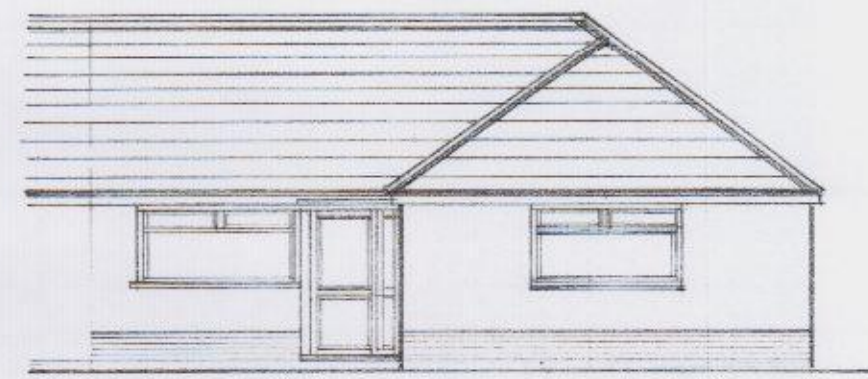


WEST

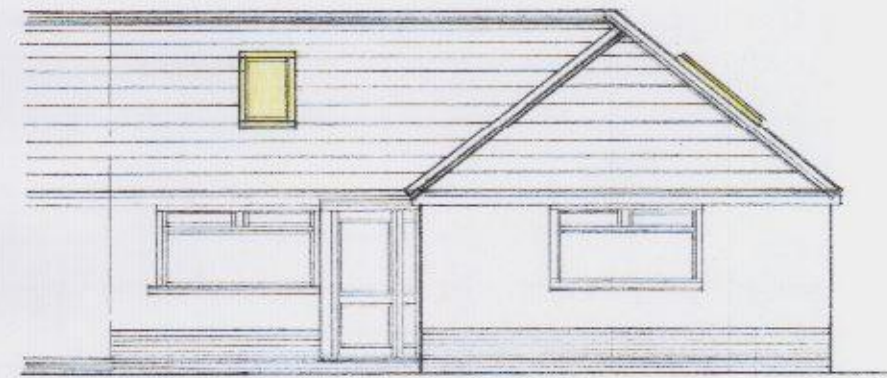
NORTH

EAST



metres
0 1 2 3 4 5
SCALE 1 : 100

EXISTING ELEVATIONS 1 : 100



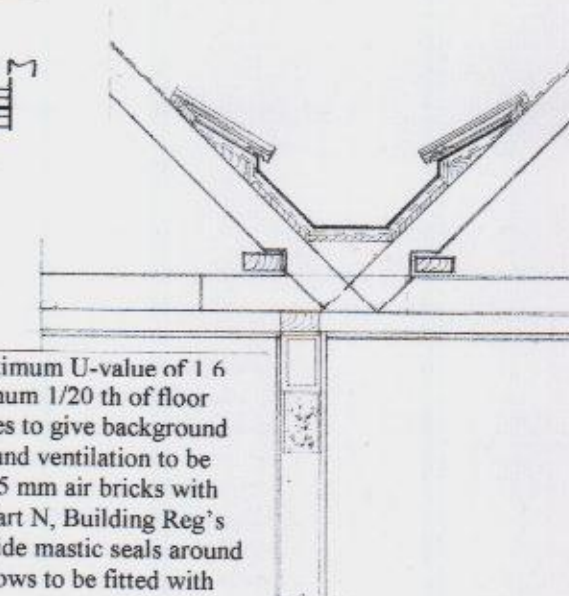
Windows & External Doors/Ventilation

White UPVC double glazed frames with Low E glass to give a maximum U-value of 1.6 W/m²K to windows and 1.8 W/m²K to doors. Opening vents minimum 1/20 th of floor area of enclosed rooms. Provide trickle vents in window/door frames to give background ventilation of minimum 8000 mm² to dining and kitchen. Background ventilation to be achieved by either trickle vents in window/door frames or 225 x 225 mm air bricks with open and shut grilles internally. Glazing to be in accordance with Part N, Building Reg's 2000 with safety glazing to all critical areas to BS 6206: 1981. Provide mastic seals around all door and window frames. Openable elements of doors and windows to be fitted with draught stripping.

Provide mechanical ventilation to external air to the new kitchen area (fan to extract at min 60 litres per second or cooker hood to extract at minimum 30 litres per second also ducted to external air)

BOX GUTTER DETAIL

metres
0 200 400 600 800 1000
SCALE 1 : 20



Construction Notes

Roof Concrete interlocking tiles to match existing on minimum 25 mm thick battens and "Tyvek Supro" or equivalent breather membrane laid in accordance with the Agreement Certificate and manufacturers requirements on 50 x 100 mm C16 rafters at 400 mm c/c's. Pitch to match existing approximately 45°. 50 x 100 mm C16 ceiling joists at 400 mm c/c's. Rafters birdsmouthed over 50 x 100 mm wall plate on the internal skin and to a 50 x 100 pole plate fixed to the top of the ceiling joists where the dual roofs abut. Ceiling joists to be supported at mid span with a 50 x 200 mm c 16 timber binder and 50 x 100 mm C 16 timber hangers at 1200 mm centres. 30 x 5 mm galvanised steel straps to tie roof to walls at the plate level 1 m long straps at 2 m centres. New rooflights openings to have double trimming.

Ceiling Provide a minimum 270 mm thick " Rockwool Roll " mineral fibre insulation with 100 mm laid between the joists and 170 mm laid across and above the joists. 9.5 mm foil backed pb ceiling , plaster finish

Box Gutter

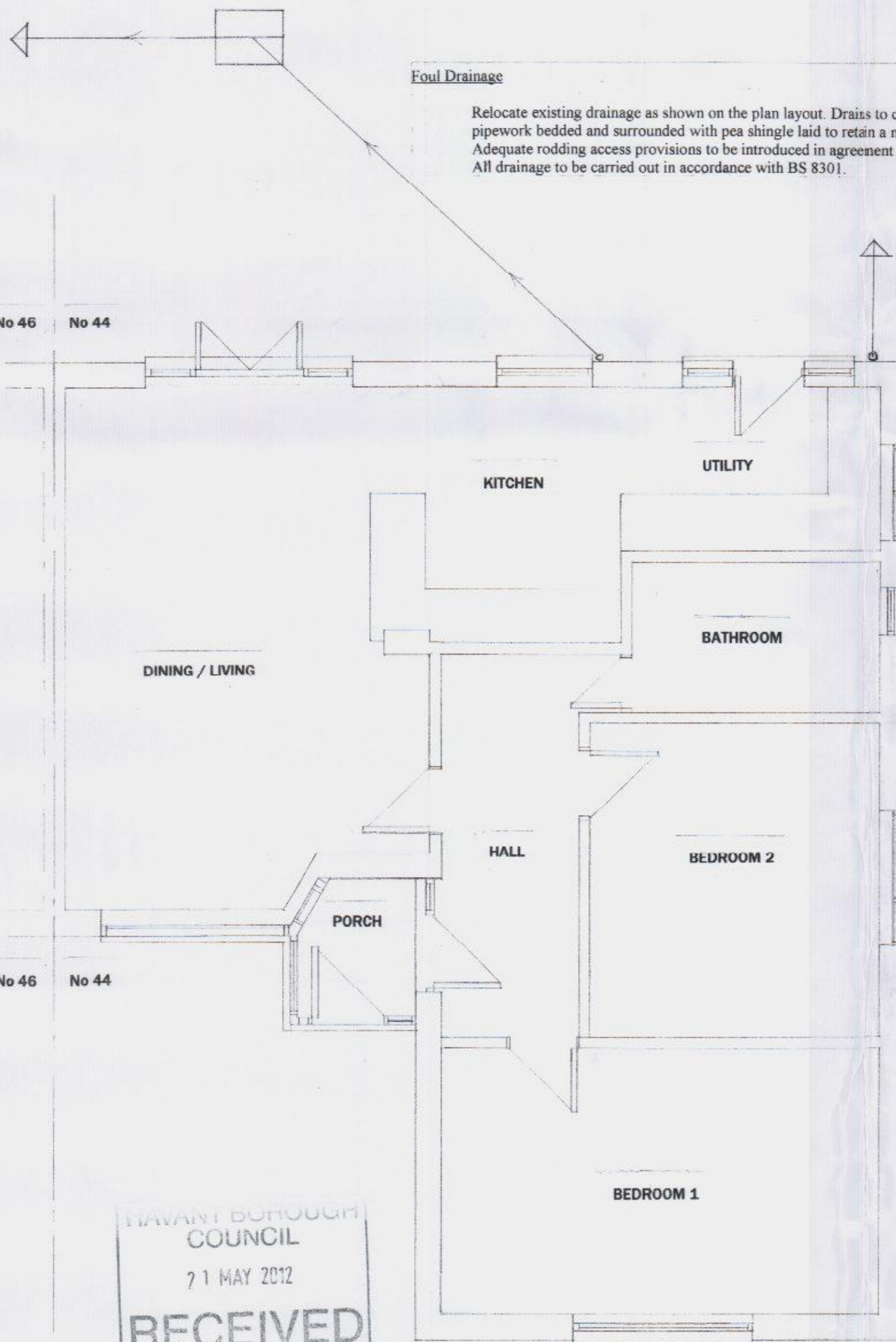
Refer to section detail - Code 5 lead lined element along with the valleys. Leadwork carried out in accordance with the Lead Development Association guidelines. White UPVC fascias and soffits.

External Walls

Outer skin of part face brickwork to match existing + part dense concrete blockwork with a finish to match the existing. 90 mm cavity filled with " Rockwool " insulation batts built in as work proceeds. 100 mm " Thermalite Shield 2000 " block (or an equivalent block) inner skin plastered. Stainless steel wall ties at 750 mm horizontally and 450 mm vertically staggered and every block course alongside openings. All new work toothed and bonded to existing. Cavities and dpc's to be continuous. External dpc minimum 150 mm above finished ground level. Close cavities at reveals with insulated vertical dpc's. Catnic steel lintels (or similar approved steel lintels) over openings insulated with polystyrene with minimum 150 mm end bearing to each end.

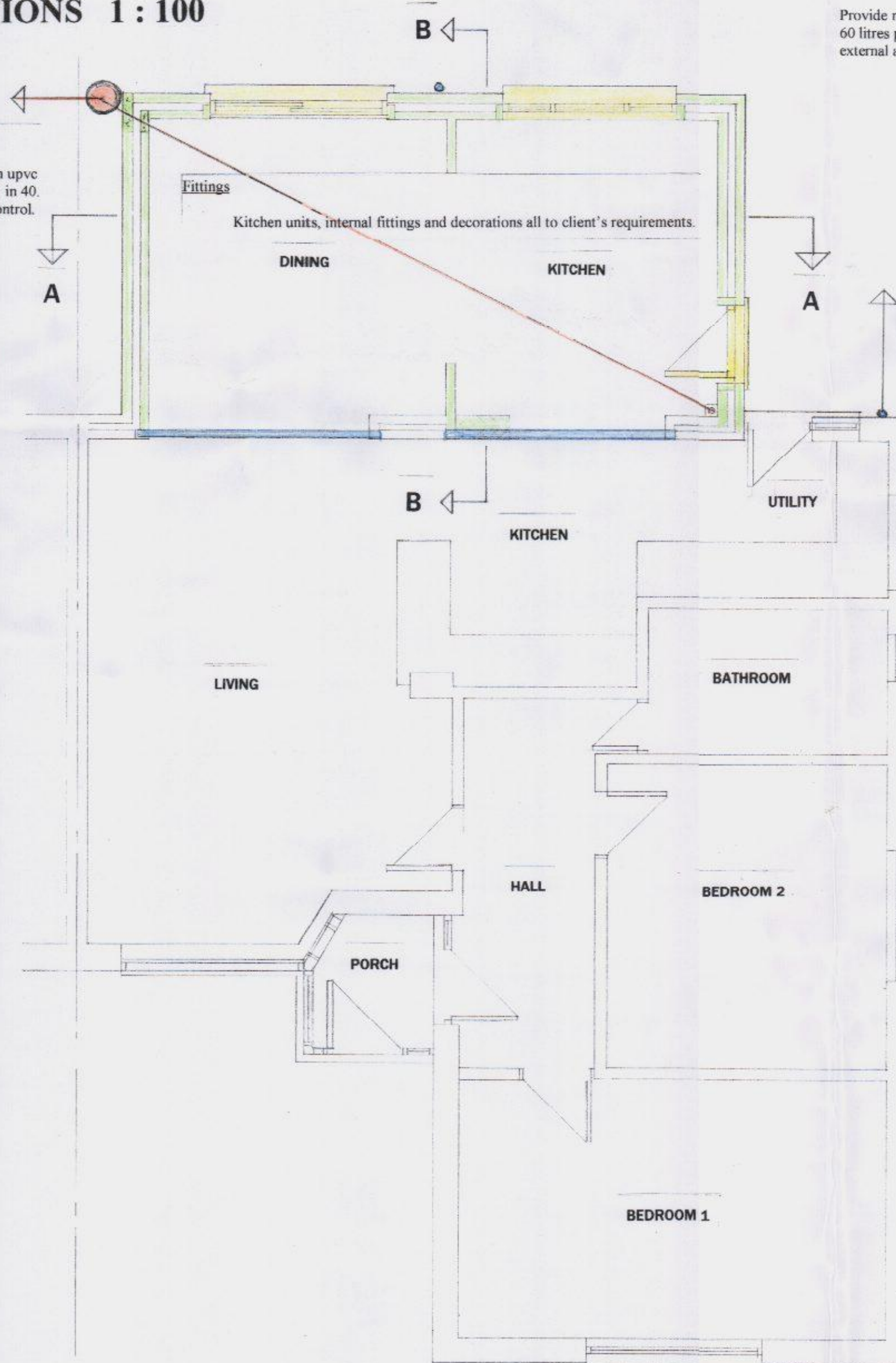
Internal Walls

100 mm lightweight blockwork plastered both sides. Box catnic steel lintel or equivalent arch former type lintel to be installed over the opening between the new kitchen and dining areas. Structural calculations to be provided for the proposed steel beams over the altered openings between the new and existing areas.

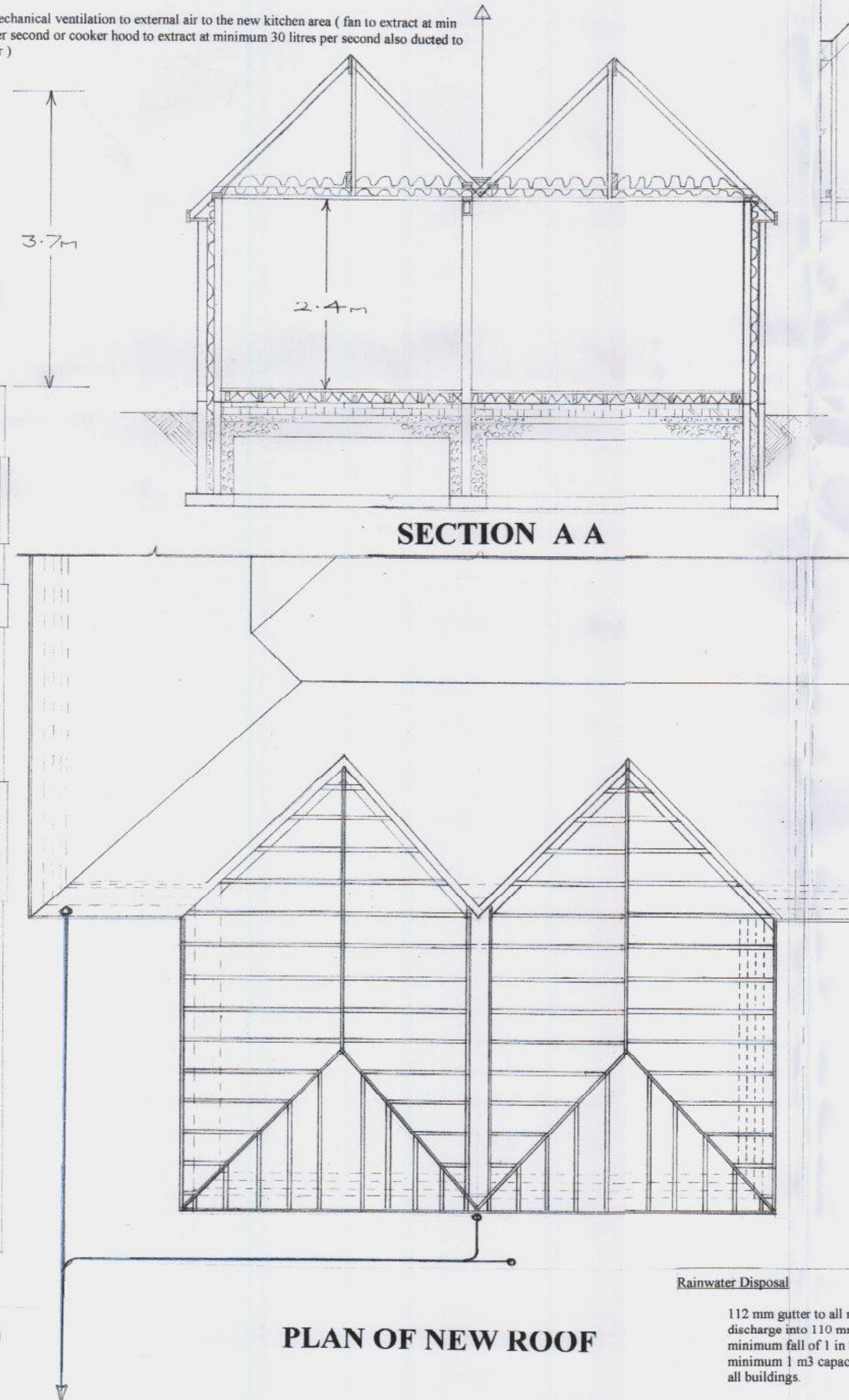


EXISTING PLAN LAYOUT 1 : 50

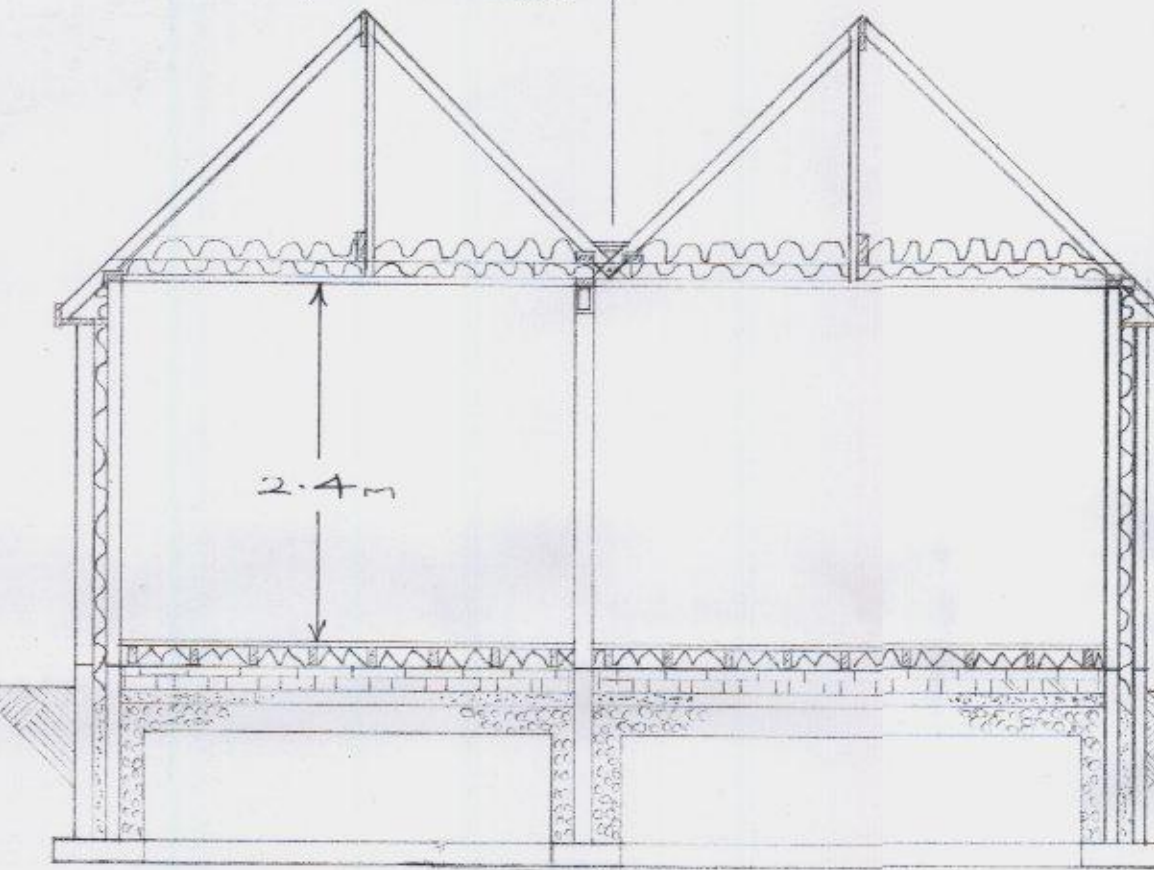
metres
0 1m 2m 3m
SCALE 1 : 50



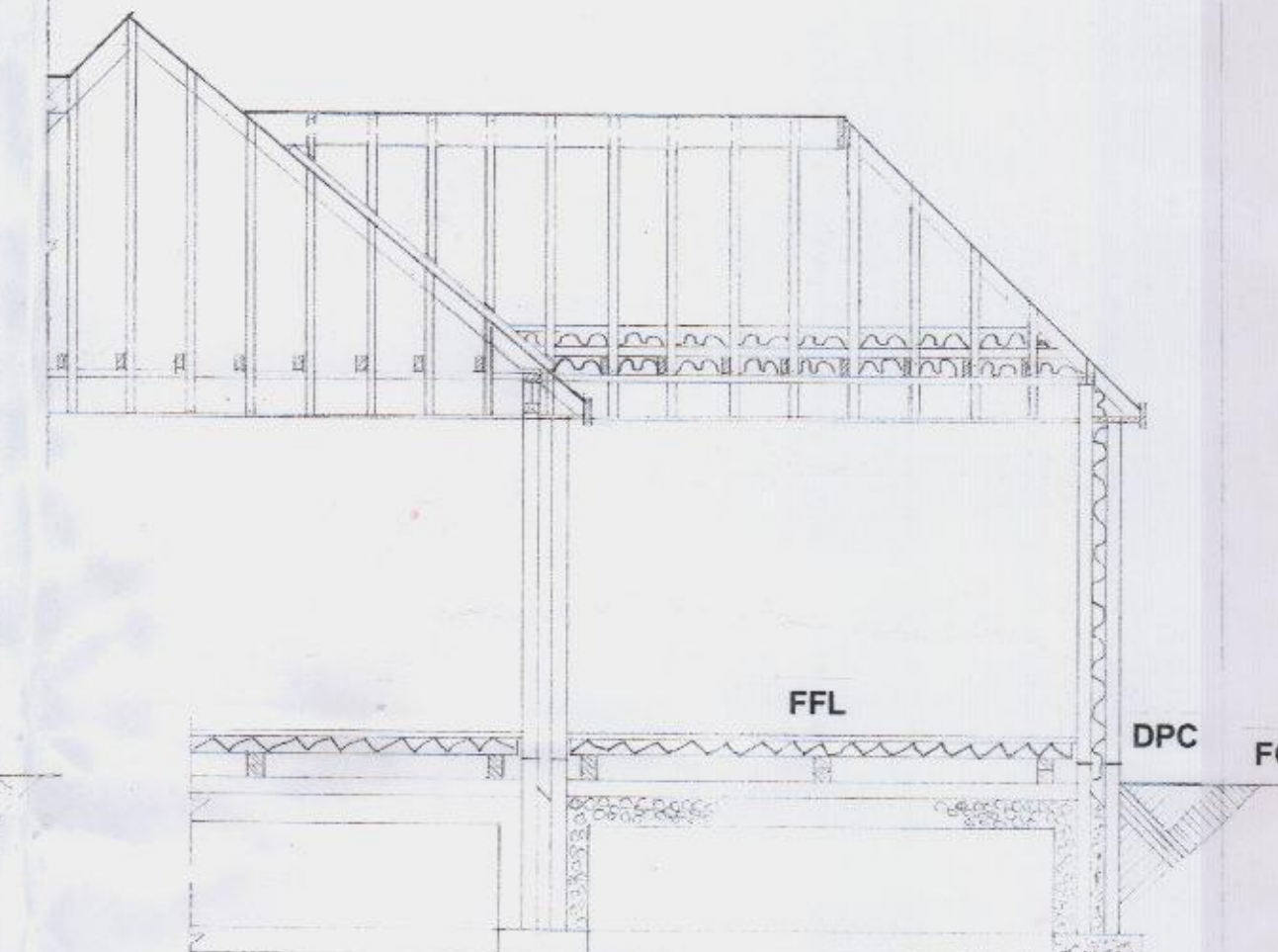
PROPOSED PLAN LAYOUT 1 : 50



PLAN OF NEW ROOF



SECTION A A



SECTION B B

Ground Floor

19 mm t and g boarding on 50 mm x 100 mm C16 floor joists at 400 mm c/c's, on a 50 x 100 mm C 16 treated timber plate on dpc, off of honeycombed brickwork sleeper walls at 1.8 m centres and at perimeter edges to avoid building into the internal skin thus avoiding risk of air leakage occurring. Provide a minimum 150 mm air space from the underside of the joists to the top of the 50 mm concrete blinding. Insulate between the floor joists with 100 mm friction fitted PIR board (Celotex or Eco therm equivalent) provide the sub floor air space with equal and adequate cross ventilation via truncated 75 x 225 mm air vents.

Foundations

Provide 600 mm wide and a minimum 225 mm thick concrete strip foundations to a minimum depth of 1 m or to suit site conditions. Building Control approval and below invert level of any drainage within 1 m. Provide prestressed concrete lintels over drains passing through the sub structure elements.

PROJECT :- SINGLE STOREY DUAL PITCHED HIP ROOF EXTENSION TO THE R/O. 44, CHESTNUT AVENUE, BEDHAMPTON, HAVANT, HAMPSHIRE, PO9 3 QS
CLIENT :- MR AND MRS B ANNALLS
TITLE :- PLANNING APPLICATION
SCALE :- 1 : 50 / 1 : 100 / 1 : 1250 / 1 : 500
DATE :- MAY 2012
REVISION :-

HAVANT BOROUGH
COUNCIL
71 MAY 2012
RECEIVED