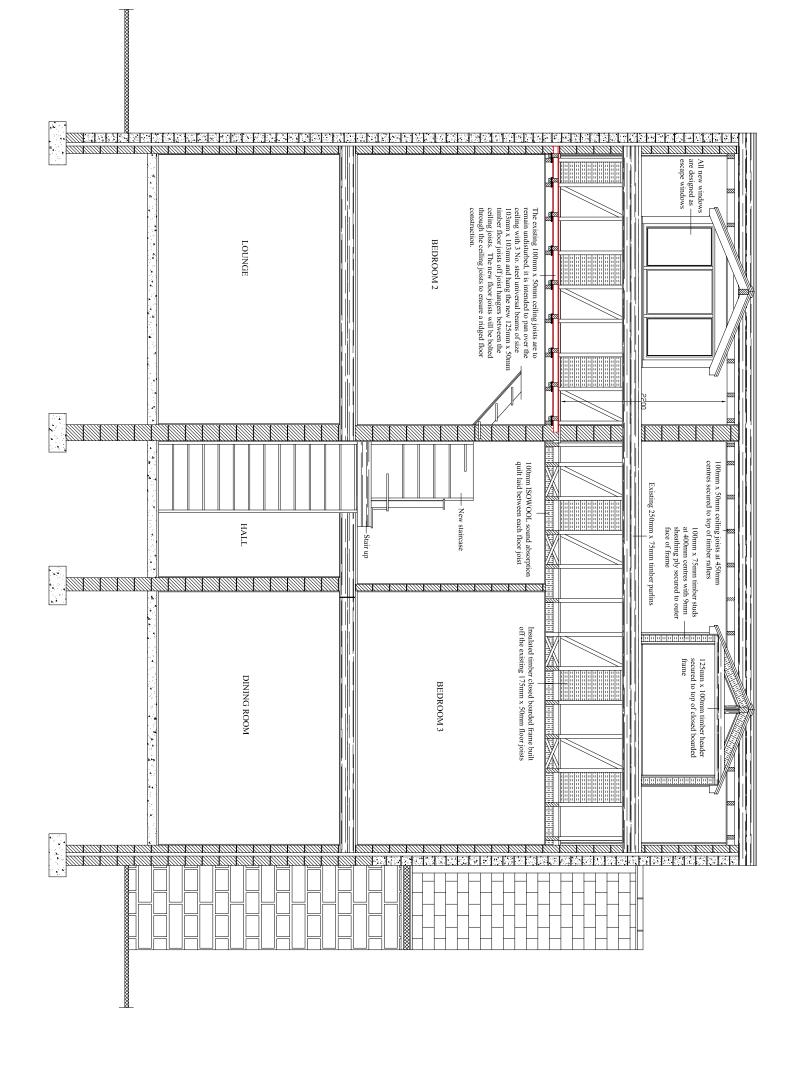
PROPOSED CROSS SECTION THROUGH LOFT CONVERSION



CONSTRUCTION NOTES

and en-suite facility on the landing area. space. The new accommodation will consist of a bedroom e plan relates to the construction of rooms in the roof

ROBUST CONSTRUCTION
Robust construction details to include:

- a) A continuous thermal element of dry-lining around the internal perimeter of the roof extension, this would elevate thermal bridging from the timber studs.b) Thermal joints between elements i.e. around window and
- door openings are to be closed with thermal breaks or have Thermal joints between elements i.e. around window and
- the insulation extended to abut the frames and suitably sealed with an approved mastic compound.

 c) All service pipes and ducts bridging an external element are to be sealed around the element and insulated with Kingspan Kooltherm pipe insulation or Kooltherm duct insulation.

 Internal pipes hot water vessels etc. shall be insulated with Kooltherm pipe or duct insulation or to standards set out in the Domestic Heating Compliance Guide.

 Provisions should be made to reduce unwanted air leakage All service pipes and ducts bridging an external element are

through the new envelope of the building fabric.

CLOSED FRAME STUD WALL

adjacent to the window frames will form the frame external front and side walls. The frame will have diagonal bracing to stiffen the frame, 6mm plywood sheathing plywood placed on the external face of the frame with 100mm x 100mm studs at the ends of the wall and acent to the window frames will form the frame to the e closed 100mm x 50mm studs set at 400mm centres

universal beam. The 150mm x 100mm top timber binder will be fixed and secured to the frame with mechanical fixings to each vertical stud. Timber inserts will provide steel universal beam with 10mm dia. bolts at 800mm centres, all vertical loading will transfer and be distributed along the will ensure stability and integrity of the frame.

The timber soleplate will be secured to the top of the new fixing for the timber joists that will be supported from Catnic TRW joist hangers.

FIXED INTERNAL LIGHTING

watts. Fixed energy efficient light fittings shall be placed in the hall on the first floor landing area, the fittings shall be capable luminous efficiency greater than 40 lumens per circuit-

internal face will have a complete surface covering of 35mm thick Thermawall TW56 dry-lining to achieve a "U" value minimum 0.25 W/m2K. The design will counteract the possibility of cold bridging through the timber studs. a vapour control barrier on the warm side of the wall, the FIXED INSULATION BETWEEN STUDS

Thermawall TW55 100mm thick fixed between studs with ue minimum 0.25 W/m2K. The design will counteract the

The existing foul water drains discharge directly to a foul water outlet and the surface water discharges into the existing surface water outlet

A new inspection chamber will be sited at the junction of the new soil and ventilation pipe.

Surface water discharge will remain as existing. DRAINAGE

The property benefits from a separate mode of drainage.

ALE 1:50 DRAWING NO. 08