

Roof insulation

To be insulated to provide minimum u value of 0.20W/M²k. with 100mm kingspan Kooltherm K7 insulation board to be friction fitted between joists. mineral wool insulation to be tightly packed at eaves to avoid cold bridging. kingspan nilv ent breather membrane to be installed above insulation board.

LEAD FLASHINGS

Alead work/flashings to be carried out in accordance with the lead development associations handbook.

EXTERNAL WALLS

brickwork to match existing outer leaf. 100mm cavity with kingspan TW50 zero ODP rigid board partial fill insulation to provide a minimum U value of 0.30W/m²K. Leaving a residual cavity of 50mm. 225mm long Bs1243 stainless steel wall ties with insulation retaining clips at 750mm horizontal centres and 450mm vertical centres(300mm vertical centres to door and window reveals)maximum. 100mm stocks brothers insulite medium density blockwork with a minimum compressive strength of 7N/mm². 12.5mm British gypsum wallboard on adhesive dabs dry lining with all joints staggered taped and filled.plasterboard to receive a 3mm plaster skim finish External walls to have a visqueen 2000 gauge damp proof course at 150mm above ground level to all wall leaves.

EXTERNAL WINDOWS/DOORS

UPVC double glazed windows with a mean U value of 1.8W/m²K. Door to kitchen to have a u value no less than 1.8W/m²k doors to dining room to be double glazed and have a mean u vale no less than 1.8W/m²k catnick cougar lintel with DPC over to windows and external doors, manufacturer to provide structural calculations to local authority for approval. Door and window cills to be as existing windows and doors. Window and door jambs to have visqueen 2000 gauge vertical dpc

VENTILATION

Background ventilation to be provided to all windows/doors trickle ventilators with openings not less than 5000mm² and 2500 mm². All window to be openable to provide purge ventilation when required kitchen to have natural ventilation duct through wall with grill in internal wall and external wall to prevent contamination of duct. ventilation to cooker is to be via cooker hood, type to be confirmed prior to installation. Mechanical ventilation required to all bathrooms, the vent-axia lowatt solo plus, energy efficient extract fan for internal bathrooms and we's or similar approved

BEAMS/LINTELS

Engineer to confirm calculations and size of beams/lintels required to support block work and brickwork.

WINDOWS

All new windows to be double glazed units using K glass low emmissivity with 16mm air gap in accordance with building regulation approved document N. minimum opening size to be 1/20th floor area and units to be fitted with trickle vents(to be fitted by fensa registered installer with documentation to be supplied to client)

opening casements to be escape size min 750mmx450mm

WINDOWS/DOORS

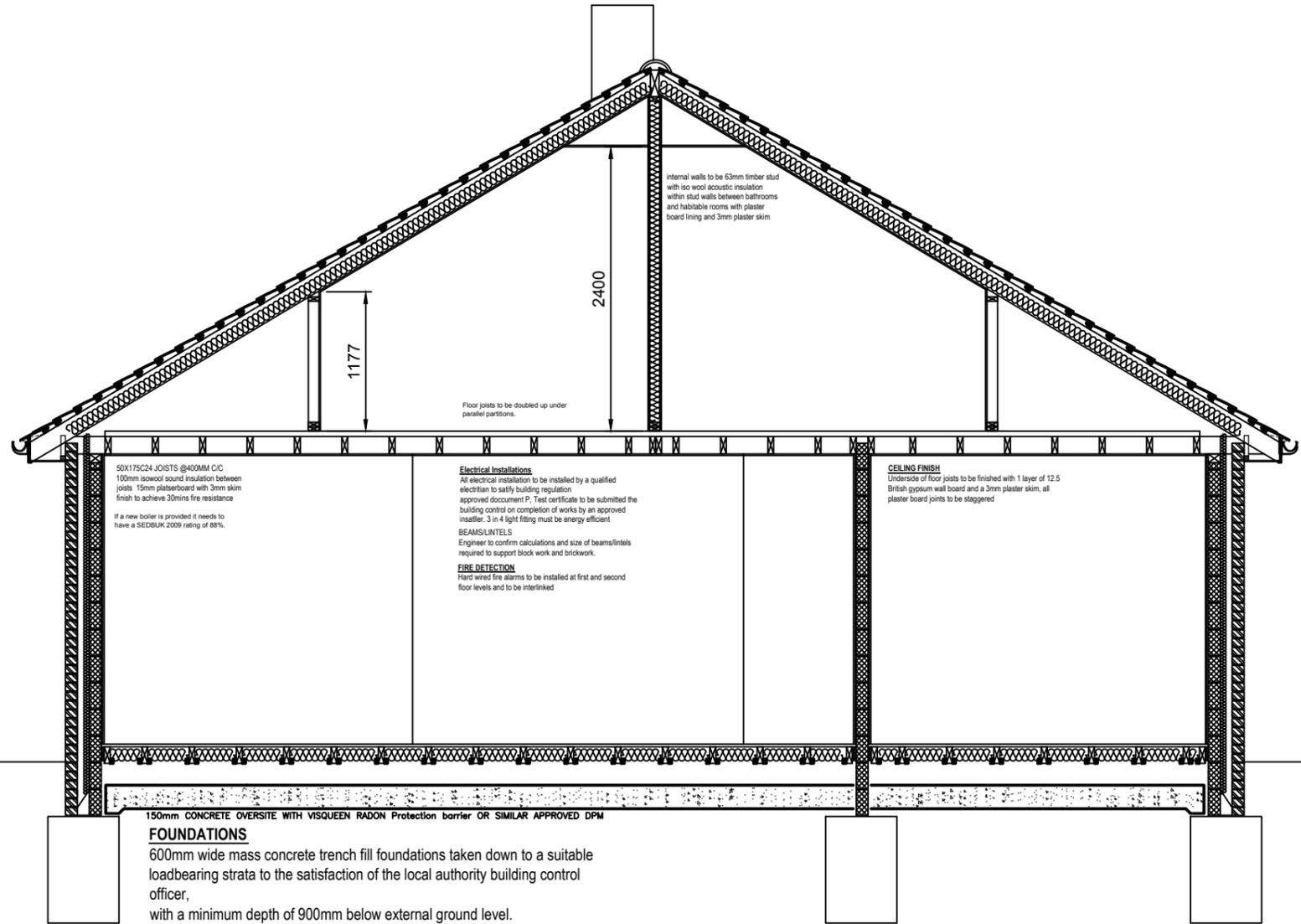
Provide safety glazing to windows less than 800mm above floor level and to doors and side windows less than 1500mm above floor level.

FIRE DETECTION

Hard wired & interlinked fire alarms to be installed at Ground and first floor levels. ground floor located at base of stair case and at first floor located at top of stair/hallway

Electrical Installations

all electrical installation to be installed by a qualified electrician to satisfy building regulation approved document P. Test certificate to be submitted to building control on completion of works by an approved installer.



EXTENSION FLOOR

145mm x 47mm C16 strength class treated softwood floor joists at 400mm centres maximum. Joist ends to bear onto joist hangers fixed to existing walls. Joists to have 145mm x 47 noggins at mid span. 100mm kingspan TF70 Zero ODP rigid board insulation, friction fitted between joists supported on 47mm x 38mm treated softwood battens nailed to sides of joists. 150mm RC concrete over site with radon protection barrier to be installed, visqueen or similar approved 2000 gauge dpm. 150mm floor void required from underside of joist to top of concrete oversite, periscope ventilators to external wall to allow for floor ventilation.

DRAINAGE

Contractor to be responsible for locating the extent,levels & position of foul and surface water drainage. RWP- Marley or similar approved 70mmØ plastic down pipe, contractor to relocate exiting rain water drain and connect to existing sewer.contractor to provide details for building control approval. SVP to remain in current location.

No.	Revision/Issue	Date

17 RILEY LANE
KIRKBURTON
HUDDERSFIELD

PROPOSED SECTION B-B

Project REAR EXTENSION /LOFT CONVERSION	Sheet (21)002
Date 07.05.13	
Scale 1:50@A1	