



Provide mains powered interlinked smoke detection to GF hall and interlinked heat detector in kitchen

3 layer built up felt system (or approved single ply membrane) to be installed to manufacturers instruction, on 120mm kingspan flat roof insulation on 18mm WPB plywood deck on firings to 1 in 40 fall on 175 x 50mm C24 treated joists at 400mm centres

Flat roof joists to be doubled up to trim out around rooflight opening.

Rooflight to be obscure glazed proprietary roof light, installed to manufacturers instructions. minimum U-Value for rooflight to be 1.6W/m2k or better.

Wall and flat roof abutment to be have 15mm upstand with lead flashing over.

New windows/external doors to be fitted with 10,000mm² background ventilators

New Windows/External doors to have openable areas at least equivalent to 1/20th of the floor area of room it serves

BEAM 1 - 203UC46 steel to be painted with intumescent paint to provide 1/2hr fire resistance
BEAM 2 - 203UC46 steel to be painted with intumescent paint to provide 1/2hr fire resistance

100mm half round gutters to be connected to existing gutters and rainwater system

Bridges to match existing, 100mm cavity, 90mm Kingspan K106 and 10mm residual cavity, 100mm Thermalite aerated blockwork innerleaf. Brick and block leaves to be tied together using ancon cavity ties at 5No per m2

Walls finished internally with 12mm bonding and 3mm finish plaster

Openings formed using Catnic CG90/100 lintel with 150mm bearings

New walls tied to existing using furfix stainless steel or similar wall starters.

Mass fill concrete foundations as foundation plan, 600mm wide eccentrically loaded and 500mm wide where concentric minimum depth to be 1m below ground level. 'Hit and Miss' sections to be excavated and concreted 48hrs apart and to have 1.2m long T16 MS reinforcement bar inserted 2 at top, 2 at bottom to join each section.

65mm sand cement screed on 120mm Kingspan floor insulation on 100mm concrete slab on 1200g polythene DPM on 150mm sand blinded and well consolidated hardcore

Minimum openable area of window to be equivalent to 1/20th of floor area of new room
New window to be provided with background ventilation equivalent to 10,000mm²
New window to have U Value no worse than 1.6W/m²K
Toughened glass to be provided in doors

[illegible]