



PROPOSED SECTION

FLAT ROOF (not exceeding 3m above ground level)

3 layer felt roof system to be laid over 120mm kingspan flat roof insulation
18mm WBP plywood on firrings to provide 1 in 40 fall
Flat roof joists to be 170 x 50mm C16 @400mm centres

WALLS

105mm Brick external leaf, 100mm cavity wall fully filled with Rockwool and 100mm Celcon Standard inner leaf.
Walls tied together with stainless steel wall ties at 5 per m2
Walls finished with a Bond and set plaster finish
DPC to be min 150mm above finished ground level, and linked to new and existing DPCs/DPM
Lean mix cavity fill to 150mm from DPC and 225mm below Ground Level

GROUND FLOOR

65mm sand cement screed on 100mm concrete floor slab on 100mm Kingspan K3 Floor insulation
on 1200g polythene DPM tied to new and existing DPCs on 50mm sand blinding on
150mm hardcore

WINDOWS/DOORS

Double glazed Low E glass with Argon fill framed to be UPVC to match existing.
Min openable area to be 1/20th of the room the window opens into.
Background ventilation to be equivalent to 10,000mm²

FOUNDATIONS

Mass fill concrete foundations to depth indicated on foundation plans, to NHBC Practice note 3 or as directed by Building Control Inspector

STEELWORK

New steel beam that support any walls or floors are to be provided with minimum of half hour fire protection by encasing in two layers of 12.5mm plasterboard, with staggered joints and skim plaster finish