

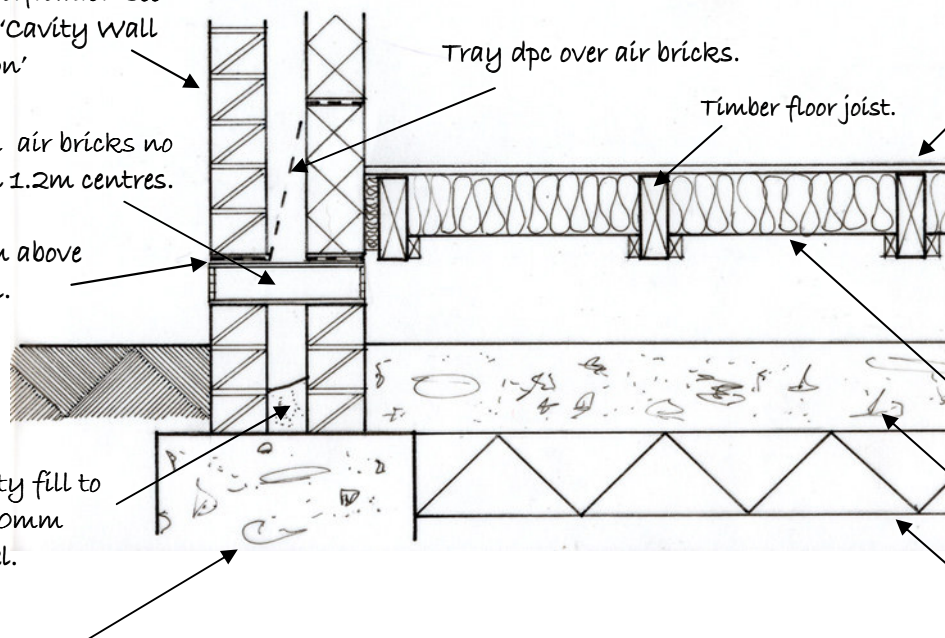
For wall specification see Drawing 5 'Cavity Wall Construction'

225x75mm air bricks no greater than 1.2m centres.

DPC 150mm above ground level.

Concrete cavity fill to be at least 150mm below dpc level.

See Drawing 2 'Ground Bearing Floor and Foundation' for excavation and foundation specification.



22mm T&G flooring grade chipboard laid with long edge at right angles to direction of joists, all tongues to be glued and boards either nailed with at least 10 gauge (3.35mm) ring-shank nails 60mm long or screwed with 4.5mm diameter by 55mm long flooring screws. Fixings to be at 300mm centres along perimeter of boards with intermediate fixings no greater than 450mm centres. A movement gap is to be provided to all edges of 2mm per metre run and never less than 10mm. and noggins to be provided to all unsupported edges. Moisture resistant board to be provided to potentially wet areas and 18mm chipboard may be used where light floor loadings.

A ventilated air space of at least 150mm is required between the oversite concrete and the underside of floor joists/insulation.

Insulation board supported on battens or mesh/netting if fibrous insulation. See table below for insulation options .

100mm Concrete slab.

Oversite to be prepared by removing any vegetation matter and top soil to a minimum depth of 150mm and compacting clean hardcore (crushed concrete or bricks) no bigger than 75mm with a mechanical plate compactor.

Floor joist to be supported on either joist hangers and span from loadbearing wall to loadbearing wall or honeycombed brick sleeper walls spaced to suit joist size. Honeycombed brick walls should be a minimum height of 75mm with a dpc and timber wall plate of 100x75mm over. See table below for size of joist.

NOTE: Square-edge boarding or plywood sheeting may be used instead of chipboard dependant upon the finished floor covering.

Maximum span of floor joists at 400c/c C16 Grade	
47x90	Max span of 1.93m
47x120	Max span of 2.52m
47x145	Max span of 3.04m
47x170	Max span of 3.55m
47x195	Max span of 4.07m
47x220	Max span of 4.58m

Insulation options Based upon a perimeter/area ratio of 0.8	Thickness in mm
Kingspan TF 70	110
Celotex FR 4000	110
Ecotherm Eco-versal	100
Recticel Eurothane EP	120
Xtratherm XTUF	100
Rockwool Flexi	140
Jablite Jabfloor Premium 70	125
Jablite Jabfloor 70	150
Knauf Earthwool Loft Roll 40	200
Knauf Earthwool Loft Roll 44	200

Site Address:	
Description: SUSPENDED TIMBER FLOOR	
Scale: Not to Scale	Date:
Produced by Broxbourne Borough Council Building Control Services Drawing 7 Rev Oct2010	