

203x203x71kg UC ridge beam to SE calcs

2No 75x225mm C24 timber flat roof joists @400mm centres

100mm Kingspan K7 Roof Board between 150x50mm C24 rafters at 400mm centres subject to SE calcs with 57.5 Kingspan K118 Insulated plasterboard to u/s with an additional layer of 15mm soundbloc board on resilient bars and skim to finish

Requires party walls to be two 75mm steel C studs set 190mm apart with 100mm mineral wool insulation 10kg/m3 with 2 layers of 15mm sound block plasterboard lining each side. See specification notes for further details

67.5mm Kingspan Kooltherm K118 insulated plasterboard on 25mm battens fixed to existing walls

first floor to sound specialist specification awaiting details. 220mm max depth

203x133x25kg UB to SE design and calcs. Sound specialist to advise whether steels can be within floor depth

steels beyond section cut sitting on existing pier

existing ground floor of pub to remain as existing

GRP mock chimney to specialist manufacture

203x203x71kg UC steel ridge beam to SE design

single ply non-bituminous membrane on 19mm external grade plywood on 500 gauge vapour barrier on furrings on 50x220 C24 flat roof joists subject to SE approval with 60mm K7 Roof Board between and 72.5mm K118 Insulated plasterboard and skim to finish to the u/s

specialist artstone to match existing building or brick corbelling with artstone on top  
rafters either side of flat roof dormer shown dotted

concrete lintel over door

doubled up joists under stud walls

all floors to be separating floor construction as per UK Building Compliance report; 18mm t&g boards on 39mm Celecta Deckfon Quatro & perimeter edging strip on Gyproc Gypfloor silent floor channels. 2No 100x150mm C24 timber joists bolted together @400mm c/c to SE calcs or if existing joists to be retained ensure an additional 100x150mm C24 joist is bolted to each existing timber with 50mm RWA or AMW 60kg/m3 accoustic insulation between 50mm cavity and 2x15mm soundbloc boards 30mins fire restance upper floors 60mins between pub/flat

100m KNAUF DriTherm 32 ultimate insulation board full fill in cavity

65mm sand cement screed on 150mm CELOTEX XR4000 insulation board on minimum 300micron/1200 gauge polythene dpm, continuous with DPC on beam and block flooring to manufacturers specification.

trenches dug for new foundations and inspected by BC officer to determine depth required

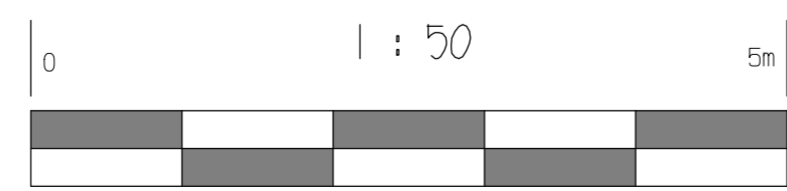
existing foundation to be checked for integrity and underpinned if necessary

**STAIRCASES WITHIN FLATS:**

New softwood staircases with handrail set at 900mm above pitch line.  
Balustrade to be 1.0m above landing level. No gaps in staircase or balustrade to exceed 100mm.  
Handrail to one side only. Minimum width of stair between wall and handrail to be 800mm.  
Treads - 220mm ) to be checked when floor  
Risers - 188mm ) height is determined and set min. 2000mm head height to be provided above pitch line of staircase. Max pitch 42°  
All dimensions to be checked on site prior to construction of new staircase

1:50 SECTION A-A

NB: ALL DIMENSIONS SHOWN ARE TO STRUCTURES AND NOT FINISHES IE TO BLOCKWORK/BRICKWORK AND NOT PLASTERBOARD



THIS DRAWING HAS BEEN CREATED USING DRAWINGS COMPLETED BY OTHERS AND IS TO BE READ IN CONJUNCTION WITH THE STRUCTURAL ENGINEERS DESIGN AND CALCULATIONS AND SOUND SPECIALIST DESIGN

rev	date	description
a	28/09/21	drawing updated following conditional approval and SE calcs
b	23/02/22	minor amendments following structural info

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	Project Title: <b>PROPOSED EXTENSIONS &amp; ALTERATIONS DOG &amp; GUN MANSION STREET, HINCKLEY</b>	
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