

Roof Structure - (U value 0.14W/m²K)

- Roof tile to match existing - 25 x 50mm battens
- Knauf Breatheline felt
- Ex 50 x 150mm C16 treated rafters @ 400mm centres
- Steel hip beams as SE cals
- Code 4 lead valley gutters on 18mm WBP plywood layboards (min 300mm width)
- Insulation - Min 270mm mineral wool insulation between & over ceiling joists
- 25 x 50mm treated battens @400mm centres
- 9.5mm foil-backed plasterboard

Tile vents

Steel Beams
As SE cals

Flat Roof Construction (0.18 W/m²K)

- Single layer membrane
- 25mm WBP plywood decking on
- 100-25mm firing pieces
- ex 50 x 200mm C16 treated joists @ 400mm centres on heavy-duty hangers
- 150mm Celotex XR4000 insulation between joists
- 37.5mm Celotex PL4000 insulation below joists
- 9.5mm Foil-backed plasterboard

2nd Floor Joists

- 22mm Caberfloor
- 50 x 200mm C16 joists @ 400mm centres
- 100mm mineral wool insulation between joists
- 15mm plasterboard to ceiling

1st Floor Joists

- 22mm Caberfloor
- JJI's 245 B joists @ 300mm centre or JJI 245 D joists @ 480mm centres (as manufacturers details)
- 100mm mineral wool insulation between joists
- 15mm plasterboard to ceiling (15mm FIRELINE plasterboard to kitchen ceiling)

100mm treated SW studwork partitions to 1st floor @ 400mm centres stufed with mineral wool and clad with 12.5mm plasterboard

7.5N 100mm dense concrete block internal loadbearing walls

3.5N 100mm aerated blockwork to ground floor partition walls

Wall Construction (300mm) to achieve min or > U value of 0.28W/m²K

- Face brickwork
- 100mm cavity, partly filled with 50mm Celotex GA4000 insulation board fixed to inner leaf with proprietary wall tie clips
- 100mm inner leaf of Tarmac Durox Supabloc 3.5N/mm² aerated block or similar
- 5mm gypsum plaster on 10mm cement/sand render
- Stainless steel wall ties to be placed 900mm horizontal, 450mm vertically. Wall ties shall also be provided, spaced at not more than 300mm apart vertically within a distance of 225mm from the vertical edge of all openings, movement joints and roof verges

900mm long restraint straps @ 1 metre centres

Catnic CU90/100 lintel

Ground Floor Construction (to achieve a min U value of 0.22W/m²K)

- Vinyl tiles or laminated flooring
- 75mm Sharp sand screed
- 500G polythene DPM
- 90mm Celotex GA4000 insulation board with perimeter edging
- BT02 Block & Beam as manufacturers design & calculations
- Min 150mm vented void below beams

min 150mm vented void

Hyload DPC

min 150

Stair Spec

- Materials and finish to match existing stairs or as per client's alternative instructions
- 38mm stringers with min 15mm deep housings, provide glued wedges at joints between treads & stringers and triangulated brackets on C/L of stairs, reinforce with glued fillet blocks as required
- Stair construction to comply with BS585 and BS1186 part 1 & Approved Doc K
- Maximum rise of staircase 220mm.
- Minimum going of staircase 220mm.
- Pitch < 42°
- Min 2000mm clear headroom vertically over pitch line
- Nosings min 25mm
- Open risers < 100mm
- Landings provided at the top and bottom of every stairs.
- The landing distance in front of the top and bottom step must be wider than the width of the staircase.
- No door should swing closer than 400mm on to the front of any step.
- Handrail height should be between 900mm and 1000mm measured to the top of the handrail to the pitch line.
- Newel posts to project min 100mm above handrails
- Underclock stair soffit with 12.5mm plasterboard and skim.

Cross-Section (1:20)

600mm wide trenchfill concrete foundations - depth to be agreed with Building Control - min 1000mm

62a Hulbert Road
Havant PO9 3TG



WildCry Technical Services
1 Bealing Close
Southampton
SO16 3AW
email: admin@wildcry.co.uk
Web: www.wildcry.co.uk

DRAWING TITLE

Section A-A
As Proposed

CREATED	DATE	CHECKED	APPROVED
MAH	May 2012		
DRAWING NUMBER	PROJECT NO.	SCALE	
Hul004		As Shown	
REVISION	REV	DWG. SHEET	
		1_OF_1	

HAVANT BOROUGH COUNCIL
05 SEP 2013
RECEIVED