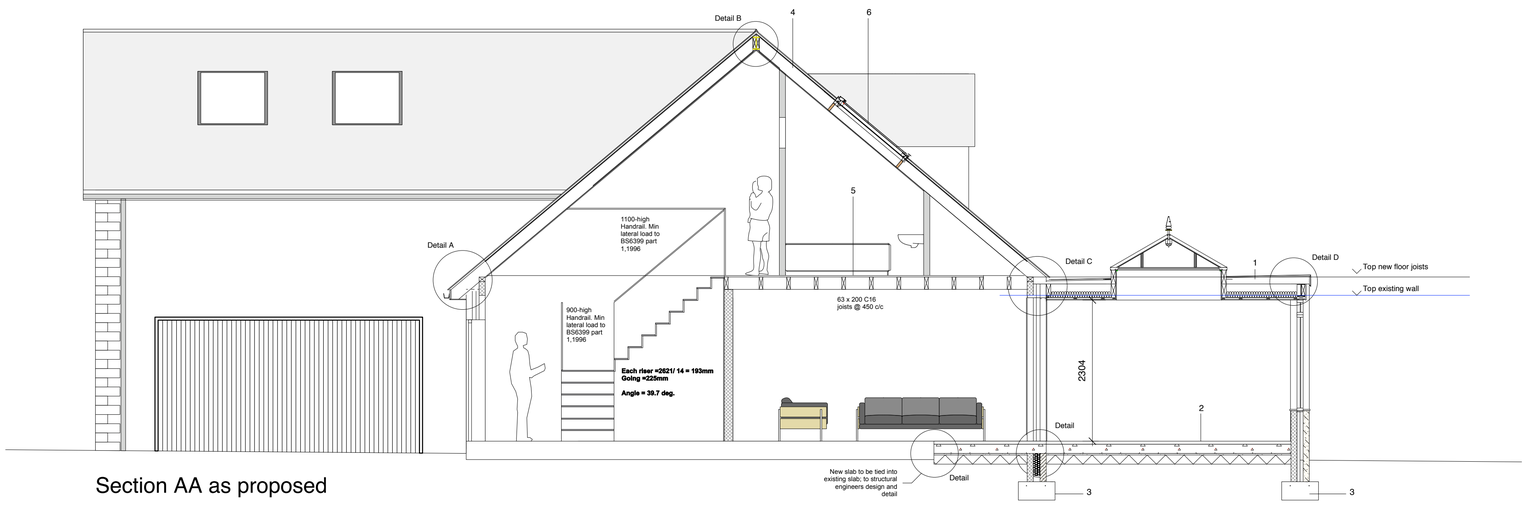


Section AA as proposed

1
Flat roof construction: Code 5 standing seam lead roof on; breather felt on; 19mm external grade ply-wood on; softwood firrings (min 1:50 fall) to maintain continuous air gap on; 225 x 75mm timber roof joists with 100mm mineral wool insulation between on; 25 x 50mm ceiling joists on; 12.5mm plasterboard ceiling taped and skimmed

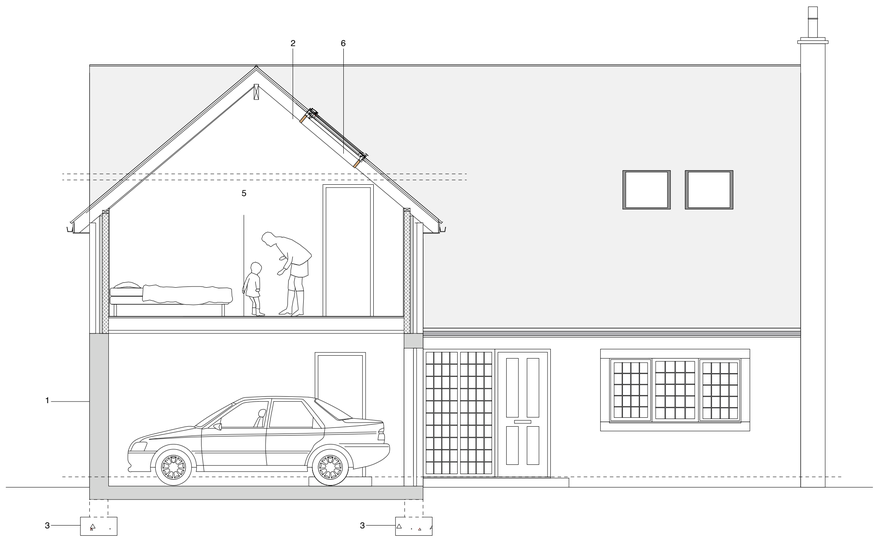
2
New floor construction: 25mm timber floor boards on; 75mm screed (with underfloor heating pipes) on; 50mm insulation on; 150mm concrete floor slab on; 1200 gauge visquene DPM on; 25mm sand binding on; 225mm min dot type 1 sub-base

3
Foundations to structural engineers design and detail

4
Pitched roof construction; Slate tiles to match existing on; 25mm softwood battens on; breather membrane on; softwood rafters to structural engineers design and detail with 100mm Kingspan Thermapitch TP10 zero ODP insulation between to give U- Value of __ on; 12.5mm plasterboard

5
First floor construction: 25mm tongued and grooved softwood boarded floor on C16 softwood joists to structural engineers design and detail. 100mm acoustic quilt placed between joists to provide adequate sound insulation Crown acoustic joist roll. Ceiling beneath to be 12.5mm plasterboard and skim.

6
780 x 1400mm Velux roof light; to be installed in accordance with manufacturers reccomendations



Section BB as proposed

1
Existing walls; up to first floor level

2
Pitched roof construction; Slate tiles to match existing on; 25mm softwood battens on; breather membrane on; softwood rafters to structural engineers design and detail with 100mm Kingspan Thermapitch TP10 zero ODP insulation between to give U- Value of __ on; 12.5mm plasterboard

3
Existing foundations asumed; structural engineer to determine if any additional amendments required to existing foundations

4
New wall construction; Structural wall to consist of 25mm render on; 100mm reconstituted stone, 100mm clear cavity partially filled with 40mm Kingspan TW 50 rigid insulation boards, clipped against inner face of 100mm 7N/mm² blockwork wall (Giving a 'U' Value of 0.29). 'Starfix' stainless steel wall ties at 750mm cts horizontally and 450mm cts vertically. Provide wall ties at each blockwork course around all window and door openings.

5
First floor construction: 25mm tongued and grooved softwood boarded floor on C16 softwood joists to structural engineers design and detail. 100mm acoustic quilt placed between joists to provide adequate sound insulation Crown acoustic joist roll. Ceiling beneath to be 12.5mm plasterboard and skim.

6
1180 x 1140mm Velux roof light; to be installed in accordance with manufacturers reccomendations

a Roof height increased above garage 08.04.11

32 Lord Street
Stalybridge
Cheshire, SK15 1UF
07725642577
www.jwdesign.co.uk

101 Padfield Main Road

Drawing Number	JW08/BR13a
Scale	1:50 @ A1

Proposed Sections