

Radiators are to be manufactured and tested to bs en 442 and carry the british standard kite mark, thermostatic radiator valves should comply with bs en 215 and carry the bs kite mark, minimum system flow rates must be satisfied even when all fitted trv's have closed.
all copper pipework will be to bs2871 table x with a minimum nominal size of 10mm, fittings for domestic hot water and cold water services are to be end feed fittings using lead free solder. If push fit type fittings are used they shall be wrc approved and have the bs kite mark, this type of fitting shall not be installed within 300mm of the boiler.
contractor is to take responsibility to design and install an extended hot water and central heating system based on the requirements detailed in the following standards and guidance documents:- bs5449:1990, bs6700:1997, corgi installation guide, cbse guides a,b & c, bs5440:parts 1&2, the gas safety regulations, building regulations, model water bylaws, local water bylaws, all installations must conform the current building regulation part j.

Proposed RWPs to be min 75mm and connect to existing surface water runs - existing runs to be determined on site

Glazed french door to achieve min u value of 1.4 or Doorset Energy Rating(10) Band C minimum. Intel above to extend min 150mm past each side of opening. Safety glazing required between 0-1500mm

External wall to achieve min u value of 0.18 as per part L1. Typical wall build up:
3mm skim coated 12.5mm plasterboard on dabs
100mm block
175mm EcoTherm Eco-Cavity Full Fill
25mm clear residual cavity
100mm stonework to match existing.
BUILD UP EXCEEDS 0.18 U VALUE TO ASSIST WITH AMOUNT OF GLAZING

Proposed RWPs to be min 75mm and connect to existing surface water runs - existing runs to be determined on site

Habitable rooms to achieve min 8000mm2 ventilation rates as set out in Part F (Achieved through openable Doors, Windows, trickle vents)

Bifolding door to achieve min u value of 1.4 or Doorset Energy Rating(10) Band C minimum. Intel above to extend min 150mm past each side of opening. Safety glazing required between 0-1500mm

Proposed floor to achieve min u value of 0.18 as per Part L. Typical build up to be:
65mm screed
Separation layer
90mm EcoTherm EcoVersal
150mm concrete slab
Damp proof membrane
50mm sand
150mm hardcore
OR SIMILAR APPROVED BUILD UP

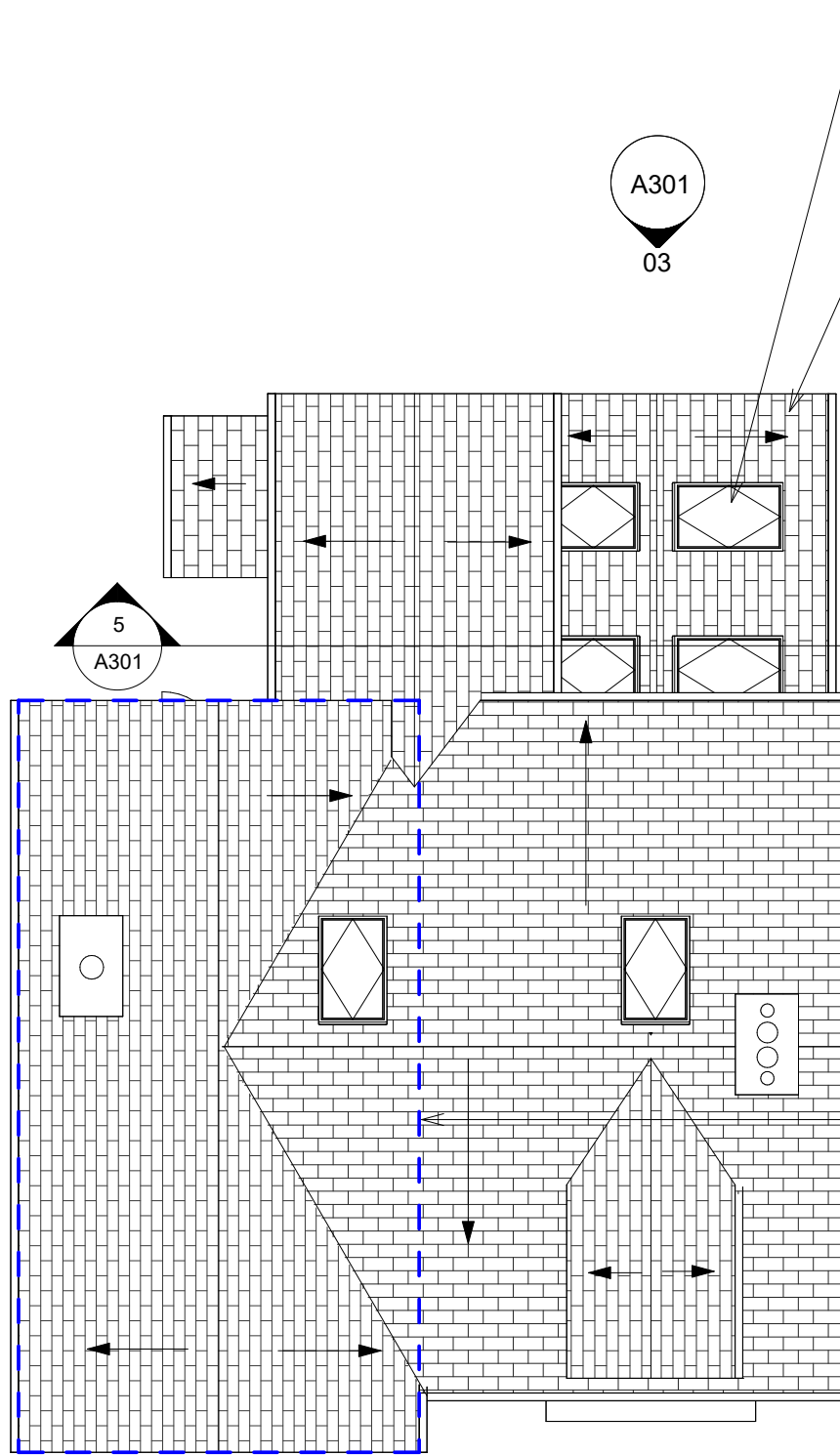
Area highlighted purple have been upgraded with 75mm PIR insulation externally at ground level, with 50mm cavity

Smoke detector to be mains operated, battery backup and interlinked

Heat detectors to be mains operated and interlinked in accordance with BS 5839 part 6

Areas highlighted green have been upgraded with 100mm Rockwool insulation under floor

01 PROPOSED GROUND FLOOR PLAN
1 : 100



02 PROPOSED ROOF PLAN
1 : 100

free airspace of 25,000mm2/m is required at low level, achieved via ventilation trays at low level on this side of roof due to no soffit

A free airspace of 5,000mm2/m to be provided at the ridge or at high level on each slope (equivalent to a continuous 5mm opening).

Loft Level
5200

First Floor
2700

Ground Floor
0

05 SECTION 05
1 : 50

Rooflights to achieve min u value of 2.2

Proposed roof to achieve min u value of 0.15. Typical build up to be:
Roof Finish
TILES / SLATES & BATTENS
Counter Battens
Highly Ventilated KINGSPAN NILVENT BREATHABLE MEMBRANE
Insulation Over Rafters
100mm KOOLTHERM K107 - (INSULATION OVER RAFTERS - CONTINUOUS LAYER)
Insulation between rafters
100mm KOOLTHERM K107 - (BETWEEN 150mm TIMBER RAFTERS)
Residual Airspace (50mm between rafters)
POLYTHENE VAPOUR CONTROL LAYER
12.5mm Plasterboard with skim finish
BUILD UP ACHIEVES 0.13

On each side of the roof, a free airspace of 25,000mm2/m is required at the eaves or at low level (equivalent to a continuous 25mm opening)

Bifolding door to achieve min u value of 1.4 or Doorset Energy Rating(10) Band C minimum. Intel above to extend min 150mm past each side of opening. Safety glazing required between 0-1500mm

DPC around openings, DPC min 150mm above external ground level. Lean mix min 225mm below DPC

Foundations shown indicative - design by others

Proposed floor to achieve min u value of 0.18 as per Part L. Typical build up to be:
65mm screed
Separation layer
90mm EcoTherm EcoVersal
150mm concrete slab
Damp proof membrane
50mm sand
150mm hardcore
OR SIMILAR APPROVED BUILD UP

External wall to achieve min u value of 0.18 as per part L1. Typical wall build up:
3mm skim coated 12.5mm plasterboard on dabs
100mm block
175mm EcoTherm Eco-Cavity Full Fill
25mm clear residual cavity
100mm stonework to match existing.
BUILD UP EXCEEDS 0.18 U VALUE TO ASSIST WITH AMOUNT OF GLAZING

Loft Level
5200

First Floor
2700

Ground Floor
0

03 -REAR ELEVATION
1 : 100

Proposed RWPs to be min 75mm and connect to existing surface water runs - existing runs to be determined on site

Glazing to achieve min u value of 1.4 or Doorset Energy Rating(10) Band C minimum. support above to engineers design and details.

Glazed french door to achieve min u value of 1.4 or Doorset Energy Rating(10) Band C minimum. Intel above to extend min 150mm past each side of opening. Safety glazing required between 0-1500mm

Loft Level
5200

First Floor
2700

Ground Floor
0

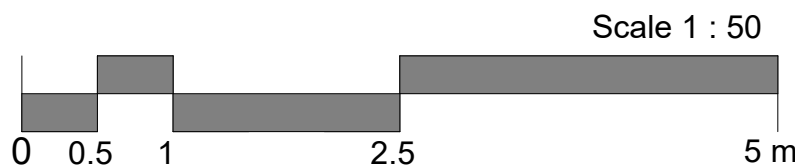
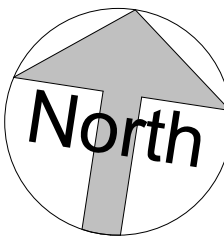
04 -SIDE ELEVATION 01
1 : 100

Rooflights to achieve min u value of 2.2

Proposed roof to achieve min u value of 0.15. Typical build up to be:
Roof Finish
TILES / SLATES & BATTENS
Counter Battens
Highly Ventilated KINGSPAN NILVENT BREATHABLE MEMBRANE
Insulation Over Rafters
100mm KOOLTHERM K107 - (INSULATION OVER RAFTERS - CONTINUOUS LAYER)
Insulation between rafters
100mm KOOLTHERM K107 - (BETWEEN 150mm TIMBER RAFTERS)
Residual Airspace (50mm between rafters)
POLYTHENE VAPOUR CONTROL LAYER
12.5mm Plasterboard with skim finish
BUILD UP ACHIEVES 0.13

External wall to achieve min u value of 0.18 as per part L1. Typical wall build up:
3mm skim coated 12.5mm plasterboard on dabs
100mm block
175mm EcoTherm Eco-Cavity Full Fill
25mm clear residual cavity
100mm stonework to match existing.
BUILD UP EXCEEDS 0.18 U VALUE TO ASSIST WITH AMOUNT OF GLAZING

Bifolding door to achieve min u value of 1.4 or Doorset Energy Rating(10) Band C minimum. Intel above to extend min 150mm past each side of opening. Safety glazing required between 0-1500mm



Figured dimensions only to be taken from this drawing. DO NOT SCALE.
All contractors must visit the site and be responsible for checking all setting out dimensions and notifying the architect of any discrepancies prior to any manufacture or construction work.

NOTES:

STATUS PURPOSE OF ISSUE

SLH Home Design
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E: info@slhomedesign.co.uk
W: www.slhomedesign.co.uk

PROJECT
CONSERVATORY TO A REAR EXTENSION

TITLE
PROPOSED PLANS ELEVATIONS & SECTION

ADDRESS
60 Manchester Road,
Chapel En Le Frith, SK23 9TH

DRAWN BY sh CHECKED BY SH DATE 06-12-2024

SCALE (@ A1) PROJECT NUMBER
As indicated 2591

DRAWING NUMBER A301 REV