

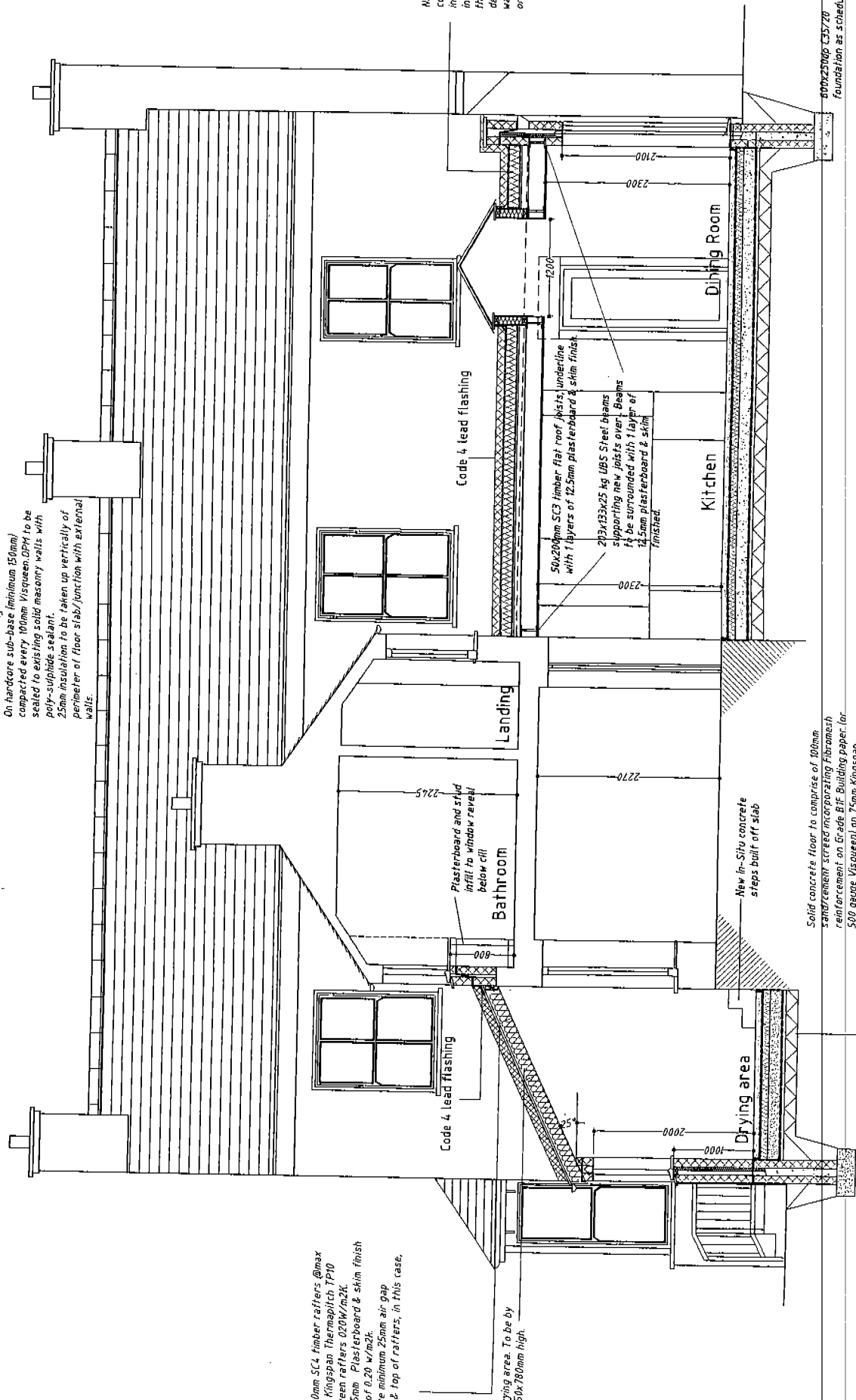
SECTION A-A

75mm sand/cement screed incorporating Fibromesh reinforcement and incorporating underfloor heating pipes.
On grade B/F building paper (or 500 gauge Visqueen) to protect insulation.
On 75mm thick Kingspan Thermalfloor TF70 insulation to provide an U-Value of 0.20W/m²K (minimum 0.22W/m²K).
On 125mm thick C30 concrete floor reinforced to Structural Engineers' requirements.
On 200 gauge Visqueen DPM.
On 50 mm sand blinding.
On hardcore sub-base (minimum 150mm) compacted every 100mm. Visqueen DPM to be sealed to existing solid masonry walls with poly-sulphide sealant.
25mm insulation to be taken up vertically of perimeter of floor slab/junction with external walls.

New 600x250mm dp C35/20 strip roofings taken down to adequate loadbearing struts. Foundations to incorporate steps in accordance with Building Regulations. NOTE: 7000x700x400mm dp concrete pad foundations to posts.

60mm SC4 timber rafters @max Kingspan Thermalfloor TF70 75mm Plasterboard & skim finish of 0.20 W/m²K. e minimum 25mm air gap & top of rafters, in this case.

New flat roof over proposed extension to comprise comprising 12mm Preplast EPDM membrane on 115mm insulation to provide a U-Value of 0.20W/m²K. Roof to be finished with Preplast's recommendations. New thick external grade plywood screw fixed to timber wallboardTEN Plasterboard & skim finish. Roof to on plan.



000250dp C35/20 Foundation as scheduled.

Solid concrete floor to comprise of 100mm sand/cement screed incorporating Fibromesh reinforcement on Grade B/F Building paper (or 500 gauge Visqueen) on 75mm Kingspan Thermalfloor TF70 insulation to provide a U-Value of 0.25W/m²K (replacement to Structural Engineers' requirements on 120 gauge Visqueen on 50mm sand blinding on hardcore sub-base minimum 150mm compacted every 100mm. Visqueen DPM to be lapped with Hydrolap DPC at perimeter & at loadbearing walls. Ensure minimum 25mm insulation around perimeter of floor slab junction with external walls.

SECTION B-B

2799/07

Code 4 lead flashing dressed over EPDM upstand and inserted in new horizontal chase in wall. New balustrade formed over.

New code 4 lead valleys formed to dormer roof

fs Detail.

ins cavity tray at level.

Purposa made upvc roof lantern fixed to studied upstand as scheduled.

203x133x30 kg UBS Steel beams supporting new joists over. Beams to be surrounded with 1 layer of 125mm plasterboard & skim finished.

Dining Room

Kitchen

Provide ventilation to existing suspended timber floor in living room area as scheduled to be with Telescopic ventilator to be connected to Rectangular to round Coverter sleeve to be connected to standard pipe.
NOTE: Pipe location to be confirmed on site.

46. WITH UNDER FLOOR HEATING

to be:

creed incorporating ment and incorporating pipes.

g paper for 500 gauge

insulation.

pan Thermalfloor TFF8

an U-Value of 0.20W/m²K

concrete floor reinforced to

requirements.

ten DPH.

ing

se (minimum 150mm)

mm Visqueen DPH to be

at.

old masonry walls with

be taken up vertically of

slab/junction with external

SECTION A-A

2799 07

Roof to comprise of 100x38mm SC4 tanalith treated timber rafters @max 400mm ctrs. Install 75mm Kingspan Thermapitch TFF8 Roofboard insulation between rafters and 75mm below. Underline with 125mm Gyproc wallboard TEH Plasterboard & skim finish all to achieve an U-Value of 0.20 W/m²K.
NOTE: Contractor to ensure minimum 25mm air gap between top of insulation & top of rafters, in this case, gap will be max. 25mm.

Possible Timber beam to pick up rafters all as scheduled.

Code 4 lead flashing

Form timber studded downstand to provide break in new and existing finishes
Install timber infill hangers on joist hangers to existing joist & built into web of steel UB

Bedroom 1

Note:
Bay to be slated with re-claimed slate from demolition of existing redundant extensions all as scheduled

2No. 203x102x23 kg UBS Steel beam over.

Remove existing door shown dotted and take down beam and wall over.
Make good all finishes.

Living Room

Existing suspended timber floor joists

New C35/70 footing to 600mm heavy coned sleeper wall to concrete, commons with DPC to receive floor joists.

New Suspended Timber Ground Floor 150 X 50 mm SC3 Timber joists @ 400 mm ctrs.

Concrete bed thickens locally under sleeper-wall.

Damp-proof course
As brick as scheduled

GROUND FLOOR (INSULATED SUSPENDED TIMBER FLOOR)
(LIVING ROOM EXTENSION AREA)

Suspended timber ground floor to comprise of:

150x50mm C16 tanalith treated floor joists @ max. 400mm ctrs

supported by New sleeper wall & on joist hangers at new cavity wall

Install 150mm Kingspan Thermalfloor TFF8 insulation between joists

with 4.0x50mm timber battens fixed on bottom of joists each side of

joists to hold insulation in place all to achieve an U-Value of

0.20W/m²K (minimum 0.22W/m²K). Scrape oversite below and provide

125mm concrete oversite on 1200 gauge Visqueen DPH on 75mm sand.

FLOOR U-VALUE

Perimeter of Floor = 6.5 m

Floor Area = 10.5 m²

Insulation thickness = 140 mm

Conductivity = 0.023 W/mK

The Ratio Perimeter length = 6.5 = 0.61

Floor area

m²

New code 4 lead valley formed to dormer roof.

See Architect's Detail.
Dwg. 2799/12

Continuous cavity tray at cornice level.

Ballcast and code 4 lead flashing as before

50x200mm S13 timber flat roof joists, underlaid with 12.5mm plasterboard & skim finish.
203x133x25 kg UBS Steel beams supporting roof joists over. Beams to be surrounded with 1 layer of 12.5mm plasterboard & skim finished.

275x100mm S13 timber purlins as specified by Structural Engineer.
Pads/stone each end under pairs of beams to be designed and specified by Structural Engineer.

Bedroom 05

200x203x133x25 kg UBS Steel beam over beams to be surrounded with 1 layer of 12.5 plasterboard & skim finished.

Fair faced block to garage.

Garage

GARAGE FLOOR
150mm Grade C30 concrete floorslab with 1 layer A252 mesh reinforcement (min 50mm cover). Concrete slab to be laid on 1200 gauge Visqueen DPM on 50mm sand blinding on hardcore. DPM to be lapped with HYPAD DPC at perimeter walls.
Note: Floorslab to be to be set minimum 100mm below finished floor level of main house in accordance with Building Regulations Pt. B.

Reinforced concrete ramped apron

New 600x250mm dp C35/20 strip footings taken down to adequate loadbearing strata. Foundations to incorporate steps in accordance with Building Regulations. NOTE: 7000x7000x400mm dp concrete pad foundations to posts.

UNDERFLOOR HEATING
EXISTING BUILDING WITH UNDER FLOOR HEATING
- U-VALUE 0.22W/m2K
Solid concrete floor to be:
75mm sand/cement screed incorporating Fibromesh reinforcement and incorporating underfloor heating pipes.
On grade BIF building paper for 500 gauge Visqueen) to protect insulation
on 75mm thick Kingspan Thermalour TF70 insulation to provide an U-VALUE of 0.20W/m2K (minimum 0.22W/m2K)
On 125mm thick C30 concrete floor reinforced to Structural Engineers' requirements.
On 200 gauge Visqueen DPM.
On 50 mm sand blinding
On hardcore sub-base (minimum 150mm) compacted every 100mm. Visqueen DPM to be sealed to existing solid masonry walls with poly-sulphide sealant
25mm insulation to be taken up vertically of perimeter of floor slab/junction with external walls.

SECTION C-C

2799/07

comprise of 175x50mm S13 timber rafters @max c/cs. Install 150mm Kingspan Thermalour TF70 insulation between rafters @20W/m2K. The rafters with 12.5mm. Plasterboard & skim finish above an U-Value of 0.20 W/m2K. Contractor to ensure minimum 25mm air gap top of insulation & top of rafters, in this case, be max. 25mm.

VEDD TIMBER FIRST FLOOR
s to be 50 x225mm C24, fan-slit treated. Max 4.00mm c/c's built onto precast concrete or decking to comprise 22mm grade C4 or higher chipboard decking.
Any herringbone strutting to be provided with 100mm gap.
The joists to be lined with 12.5mm Wallboard-D7EN plasterboard s to be taped/screamed and sealed gyl and finished with British Gypsum ch plaster.
Minimum 150mm Rockwool Roll insulation floor joists all in accordance with a document 6 Building Regulations 2004.