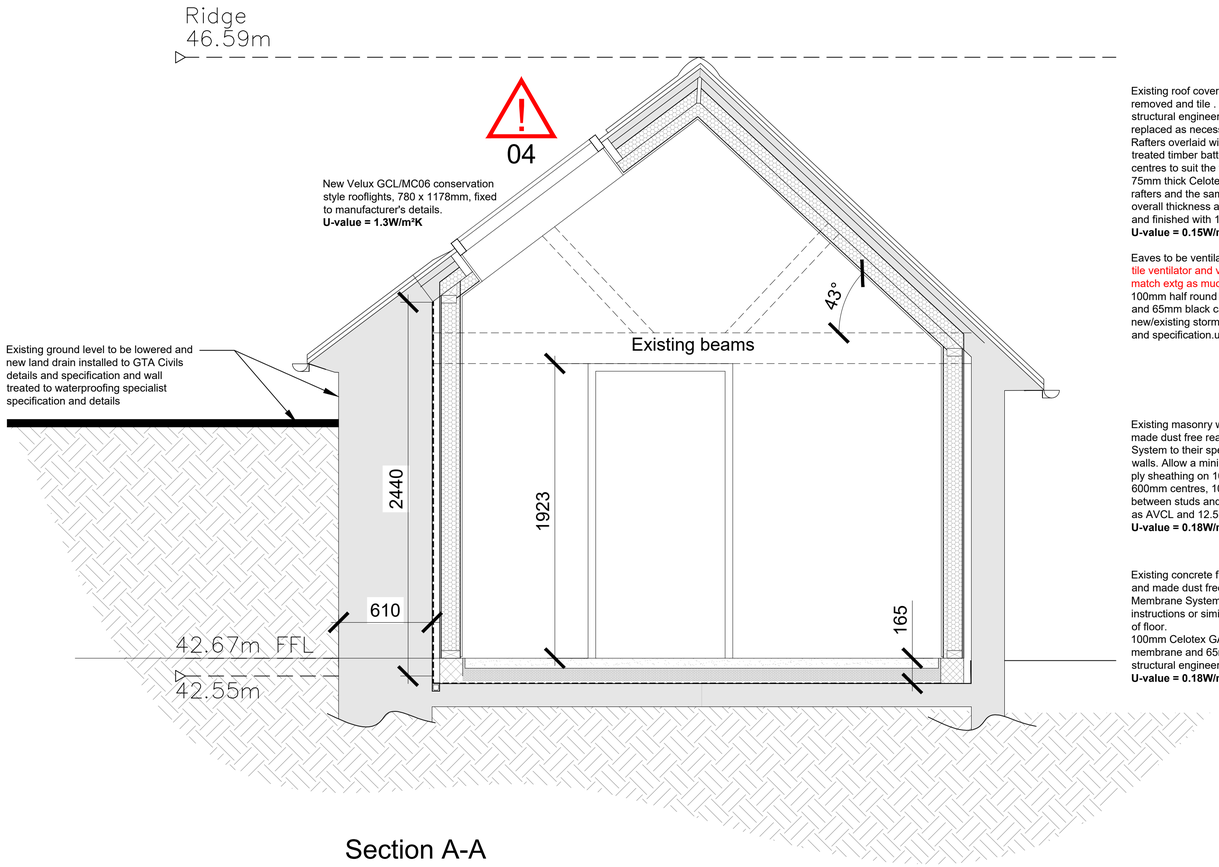


Existing roof covering and battens to be carefully removed and tile . Rafters to be inspected by the structural engineer for suitability, repaired and/or replaced as necessary.
Rafters overlaid with roofing felt and new 50x25mm treated timber battens and counter battens at centres to suit the tiles which are to be re-used.
75mm thick Celotex GA4000 insulation between rafters and the same under rafters to give a 150mm overall thickness and to have the 50mm ventilation and finished with 12.5mm plasterboard and skim.
U-value = 0.15W/m²K.

Eaves to be ventilated through proprietary under tile ventilator and ventilated ridge tiles in colour to match extg as much as possible.
100mm half round black cast aluminium gutters and 65mm black cast aluminium rwps connected to new/existing storm drains to civil engineer's design and specification.u

Existing masonry walls to be thoroughly cleaned and made dust free ready to receive DELTA Membrane System to their specification and instructions to 3no: walls. Allow a minimum **50mm gap** then 9mm WBP ply sheathing on 100 x 50mm treated timber studs at 600mm centres, 100mm Celotex GA4000 insulation between studs and 40mm PL4040 over studs, sealed as AVCL and 12.5mm Gyproc plasterboard and skim
U-value = 0.18W/m²K

Existing concrete floor to be thoroughly cleaned and made dust free ready to receive DELTA Membrane System to their specification and instructions or similar waterproofing across whole of floor.
100mm Celotex GA4000 insulation, 500gauge membrane and 65mm mesh reinforced screed to structural engineer's specification
U-value = 0.18W/m²K

Section A-A

Proposed Section 1:20

Residual Fire Risk

01

These risks have been identified as being residual risks which:
a) have been reduced/ mitigated through specification and as such, the specification is not to be varied without expressed permission from the Principal Designer;
b) the Principal Contractor is to take into account when preparing the Construction Management Plan and project specific RAMS.

Risk ID	Risk ID
F01	Specification: Log burner to be no less than 100mm from the wall and ceiling in indicated zone to use fireline plasterboard. Insulated flue to be used upto ceiling height. 300mm prior to penetrating the roof, a double skinned flue with minimum internal diameter of 150mm to be used. Flues requiring boxing in are to lined with 2No. layer 15mm Gyproc Fireline plasterboard, to provide minimum 60 mins fire resistance
F02	PV panels to have same fire resistance as adjacent roof tile

Residual Risk

01

these risks have been identified as being residual risks which the Principal Contractor is to take into account when preparing the Construction Management Plan and project specific RAMS (The risk identified are to be read in conjunction with the CDM 2015 Pre-construction information document, which has been prepared to accompany this information)

Risk ID	Risk ID
01	Occupation of site and neighbouring dwelling during works:
02	Site Access, no on-street parking, no footpaths, road formed of one carriageway in each direction. The Road is subject to 30 mph speed limit. Extensive planting and trees by entrance driveway plus gate.
03	Subterranean services including gas, water, telephone and electrical supply lines to/from neighbouring properties
04	Residual Risk Maintenance and cleaning of rooflights
05	Log Burner, risk of fire and suffocation/ Carbon monoxide poisoning
06	Site is Partially within Flood Zone 3, as such there is a medium probability of flooding as defined by Environment Agency. This is approximately 1% chance of flooding from rivers per annum.
07	New foul drain to connect into sewer in main road. All permits to be gained and care taken for connection works.
08	Residual Risk Maintenance and cleaning of Photovoltaic Panels
09	Assumed Overhead Electric and Telephone Cables, risks of shock/ death relating to electricity. Risk of cutting off neighbouring telephone services and power.

SUMMARY NOTES

Floor - Upgrade existing concrete slab:

Floor comprising of floor finish to Employer's specification on 50mm thick screed with PP reinforcement fibres installed over 500gauge separation layer over 100mm thick Celotex GA4000 rigid insulation board, or similar approved. Insulation to be installed over DELTA membrane system, DPC & DPM to be lapped and installed over existing 125mm thick concrete slab, in strict accordance with Structural Engineer's design, details and specifications.

External Walls: - Upgrade existing masonry wall U-value of 0.18 W/m^{2}K

Provide 9mm 125x50mm C16 timber softwood studs set no less than 50mm away from existing brick walls at 600mm centres on top of DPC on blockwork plinth. Tightly fit 125mm thick Celotex TB4000 insulation between studs, line internally with proprietary polythene vapour control layer and 12.5mm plasterboard (moisture resistant in Bathroom) with skim finish. Decorate to Client's choice.

Internal Walls
Non-loadbearing internal studwork partitions to be constructed using 50x100mm timber softwood studs at 400 mm centres, with minimum 50mm APR1200 acoustic insulation to studwork voids. Finish both sides with 1 layer of 12.5mm Gyproc Wallboard plasterboard (moisture resistant in Bathroom) and decorate with skim finish and paint subject to Client's choice.

NOTES

- DO NOT SCALE OFF THIS DRAWING EXCEPT FOR PLANNING PURPOSES
- CHECK ALL DIMENSIONS ON SITE BEFORE ANY WORK IS COMMENCED
- ALL GOODS MATERIALS AND WORKMANSHIP MUST CONFORM WITH CURRENT BUILDING REGULATIONS, BRITISH STANDARDS AND CODES OF PRACTICE
- COPYRIGHT OF THIS DRAWING IS RETAINED BY THE ARCHITECT AND IT MUST NOT BE REPRODUCED WITHOUT WRITTEN CONSENT

Structural Calculations
For details of new structural elements including foundations, new structural timber elements / trimmers, steel beams / columns, padstones etc., refer to the Structural Engineer's drawings and details.

Drains
Contractor to check the invert of the existing drains and also the location and direction of flow prior to commencement of work. Any conflict with the drawings to be reported to the Architect prior to the commencement of works. Exact location to be agreed on site. New connections to existing foul water system are to be inspected prior to works for suitability. Air admittance valves are only to be used after the foul water system is inspected and deemed to be sufficiently ventilated. Below ground drainage by others.

This drawing is to be read in conjunction with the building regulations notations, Structural Engineer's design and calculations (by others).

External Door and Windows design by specialist sub contractor. Structural openings and dimensions are to be inspected and confirmed on site by specialist subcontractor prior to manufacture.

Drainage Design
The drainage layout shown on these drawings is for reference only. For detailed surface and foul water drainage design, please refer to GTA Civils' drainage design, reference no. 13155/1601 P3.

NB: These drawings have been prepared for Building Regulation compliance only and do not provide specific construction details or setting out. If these drawings are used for construction purposes, Folkes Architects will not take any responsibility for setting out, or any work carried out on site. If instructed Folkes Architects will provide Construction information as per our appointment and terms and conditions.

REV	DATE	BY	AMENDMENT
A	22.09.25	GW	Revisions in red

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DRAWING TITLE
Proposed Section A-A

DRAWING STATUS
Building Regs
NOT FOR CONSTRUCTION USE UNLESS STATED AS 'CONSTRUCTION'

DATE	SCALE	DRAWN BY
March 25	1:20@A1	GW
		CHECKED BY EC

JOB NO.	DRAWING NO.	REVISION
23076	2.04	A