

Specification:

Final formation of foundations to be agreed on sitewith architect/engineer

Min. strenght of blocks to be 5N laid in 1:3 cement/sand mortar to I.S.406.

Concrete blocks shall be laid in accordance with I.S.189 and comply with I.S.325 Part 1.

Concrete foundations to be grade 35 to BS 8110. Concrete in ground floor slab to be grade 40 to BS 8110

50mm blinding concrete under all foundations and footings.

Foundations to be inspected and approved by engineer/architect prior to pouring of concrete

All foundations to have reinforced steel mesh with 50mm cover to sides and Steel to be grade 43 A to BS4360. All details to be in accordance with BS5958

All bolts to be grade 8.8

Precession bolts to BS3692 in 2mm clearance holes

All steel to be shot blasted to Swedish standard SAA 2.5 followed by blast primer and 1 coat zinc rich primer to dry film thickness of 50mm microns

All steelwork to be rested on 450x225 RC padstones

Lean mix cavity fill o be placed between rising leaves as they are constructed.

Ground floor and first floor construction construction as shown on drawings.

The ground floor insulation to be Kingspan **Therma**floor TF70 comprising a CFC/HCFC-free rigid urethane insulation core with low emissivity composite foil facings on both sides manufactured to the highest standards in accordance with the requirements of draft BS 4841-6 under quality control systems approved to BS EN ISO 9001:2000/I.S. EN ISO 9001:2000 by Kingspan Insulation Limited and shall be applied in accordance with the instructions issued by them. The ground floor insulation to include 25mm vertical insulation to perimeter of all external walls.

Foundations to specialist details, subject to ground conditions.

Monarflex RBM Radon Barrier to be laid complete with Monarflex top hat and adjustable clips around pipe penetrations. Lapped joints with Monarbond tape to give gas tight joints. Include for radon sump and vent pipe. radon barrier to act as D.P.M. D.P.M. in floors to overlapwith D.P.C. in walls.

No rubble excavated material or second hand filling to be used in hardcore filling or backfilling to rising walls.

External walls as per drawings

The wall insulation shall be Kingspan **Thermawall** TW50 comprising a CHC/HCFC-free rigid urethane insulation core with low emissivity composite foil facings on both sides manufactured to the highest standards in accordance withboth the requirements of draft BS4841-1 and quality control systems approved to BS EN ISO 9001:2000/I.S. EN ISO 9001:2000 by Kingspan Insulation Ltd and shall be applied in accordance with the instructions issued by them.

Standard 5N blocks to be used throughout in 1:1;6 mortar over ground and 1:1/4:3 mortar underground

Courseband 9 to be installed at all openings in accordance with manufacturers instructions.

Stepped D.P.C. to all lintels in cavity walls.

R.C. lintels and Keystone lintels to be used as appropriate in strict accordance with suppliers details. Min. bearing on R.C.lintels to be 400mm for opes not exceeding 2m and 600mm for opes between 2-3m

Cills: reconstituted stone cills

Cill boards: 38mm hardwood bullnosed cill boards

MHVR Ventilation to be provided as per drawings and in accordance with TGD F 2009

Ventilation to utility room, kitchen and bathrooms as per drawings.

Rapid ventilation as per drawings.

Internal blockwork: 100mm 5N blocks with plasterboard and skim finish

Air Tightness:

A reasonably continuous air barrier should be provided over the whole thermal envelope, including elements separating the building from adjoining heated or unheated areas. Requirements of TGD: part L and TGD: Part F to be satisfied.

At completion of an envelope air tightness testing to be carried out in accordance with IS EN 13829: 2000 "Thermal performance of building: determination of air permeability of buildings: fan pressurisation method".

Dry-lining: The wall drylining insulation shall be Kingspan **Thermawall** TW52 comprising a 12.5mm plasterboard facing bonded to min.30mm thick CFC/HCFC-free rigid urethane insulation during manufacture to the highest standards under quality control systems approved to BS EN ISO 9001:2000/I.S. EN ISO 9001:2000 by Kingspan Insulation Ltd and shall be applied in accordance with the instructions issued by them

42.5mm dry-lining on dabs with continuous ribbon of adhesive tape around all openings, along top and bottom of wall and at internal and external corners.

Provide plaster stops and "Expanet" galvanised edge corner at all exposed areas

Stud partitions:

Not load-bearing stud partitions to be of kiln dried timber and shall comprise of 75x50mm min.studs @ 400mm crs.

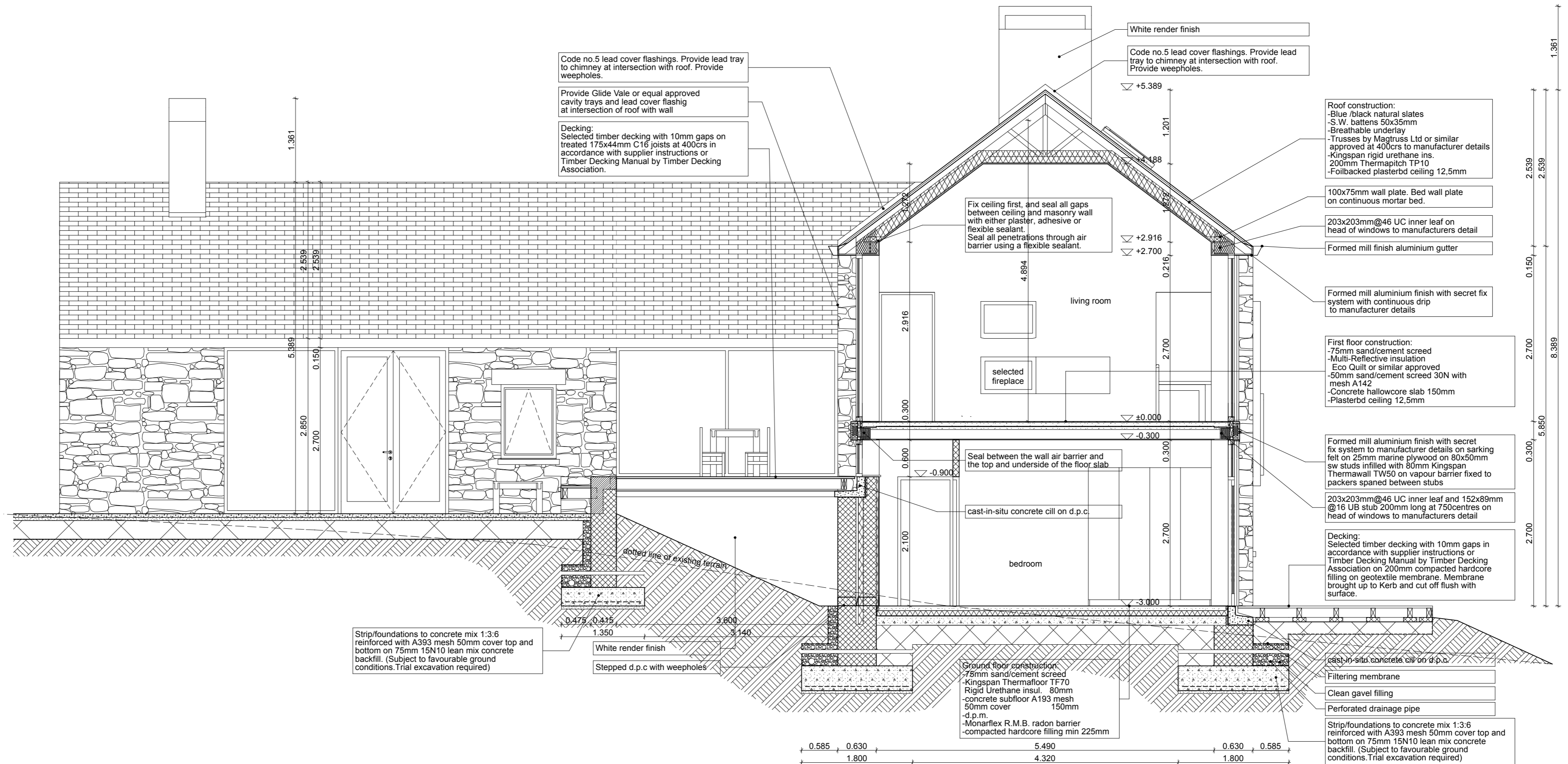
load bearing stud partitions to comprise timber at least C14 strenght class and incorporate studs of 100x50mm min. @400mm crs with double header and sole pieces Two rows of nogging to be provided to all partitions.

25mm mineral wool to be fitted between studs (25mm Rockwool Acoustic Partition slab)

The rafter level insulation to be Kingspan **Thermapitch** TP10 comprising a CFC/HCFC-free rigid urethane insulation core with low emissivity composite foil facing on both sides manufactured to the highest standards in accordance with both the requirements of draft BS 4841-5 and quality control systems approved to BS EN ISO 9001:2000/I.S. EN ISO 9001:2000 by Kingspan Insulation Ltd and shall be applied in accordance with the instructions issued by them.

All roof timbers and all structural timbers to be strenght class B and to be pressure treated with Protim preservative and certified

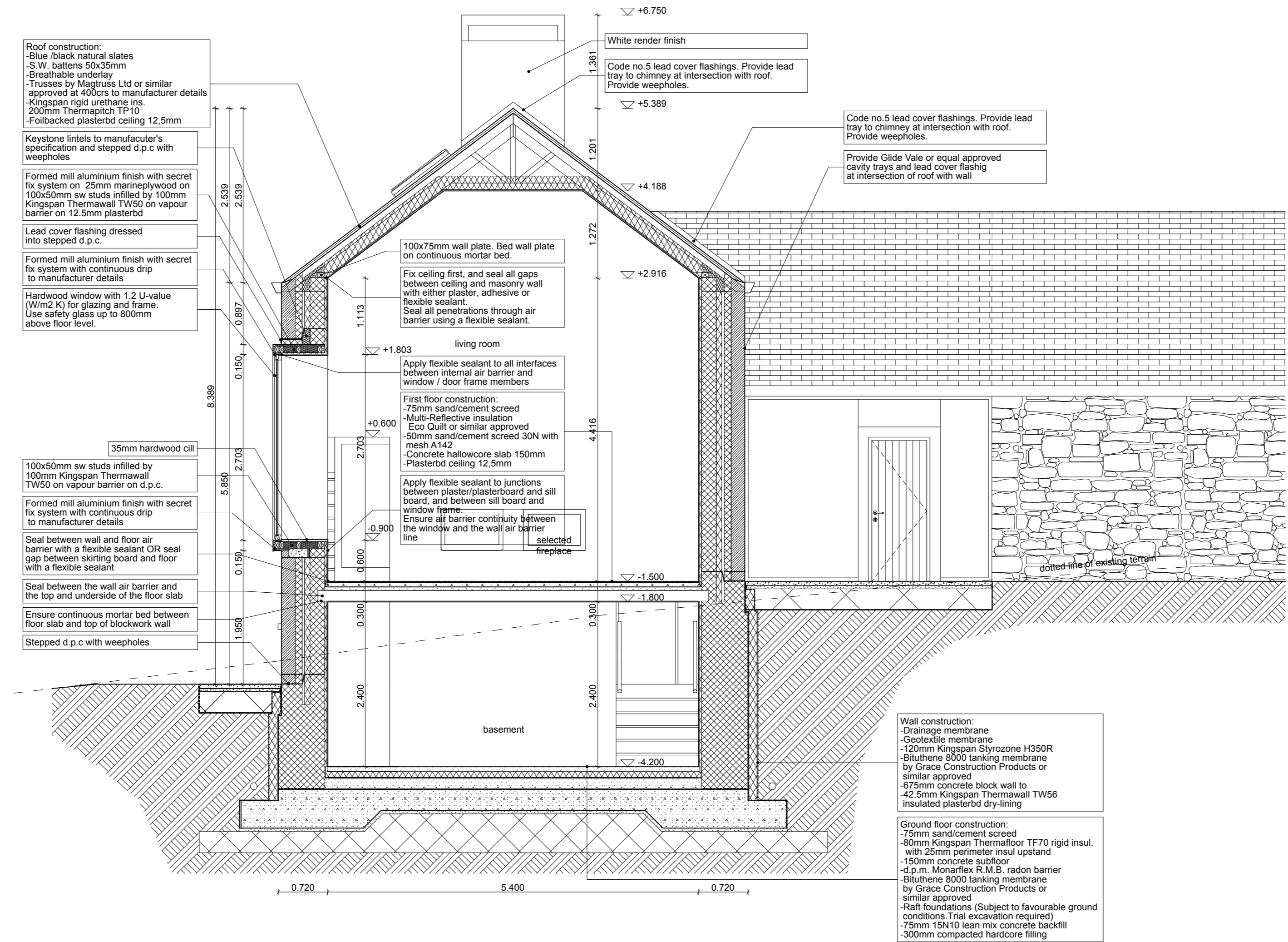
Formed mill finish aluminium gutters. Valleys, rain water pipes and appropriate flashings etc. to be used



A

Section A-A

1:50



B

Section B-B

1:50

Notes:

1. Copyrights reserved
2. The contractor is responsible for checking all levels and dimensions on site and report any discrepancies to the Architect
3. Where appropriate, for RC Structure refer to engineers drawings
4. Proprietary items shall be fixed in accordance with manufacturers details and instructions
5. Sizes of proprietary items shall be checked with manufacturers/suppliers
6. The contractor is responsible for the co-ordination of structure finishes and services
7. All finishes to get architect approval prior to use
8. Existing structure shown with no hatching, new walls shown with appropriate hatchings. Walls to be removed shown dotted.

Rev No	Date	Description	Job No:	Job Title:
			1045	Proposed Planning Permission consequent on outline permission Ref No. 061706 for dwellinghouse, waste water treatment system and all associated site works at Durgosley, Kicory, Co. Louth for Noleen Casey
<p>John F. McGahan Architects Ltd 19 Jocelyn Street Dunaleck Co.Louth Ireland Tel: 042 933 4877 Fax: 042 933 100 email: mcgahanarchitects@eircom.net www.mcgahanarchitects.com</p>			<p>Tender as shown</p>	<p>Sections TD 1045/W/A/1006</p>
			Date: 15.03.2010	Drawn by: TD
			Scale:	Rev No:

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