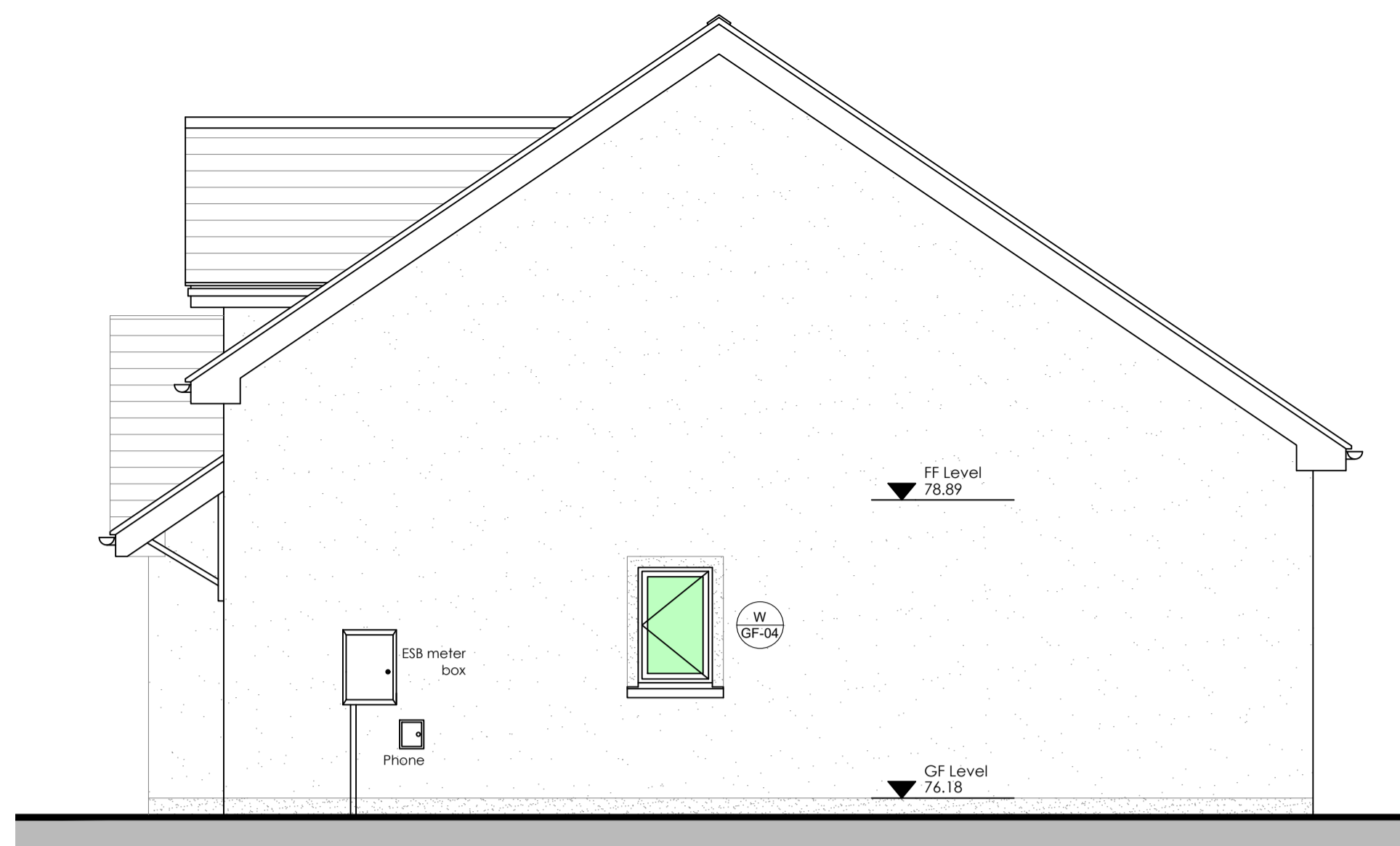
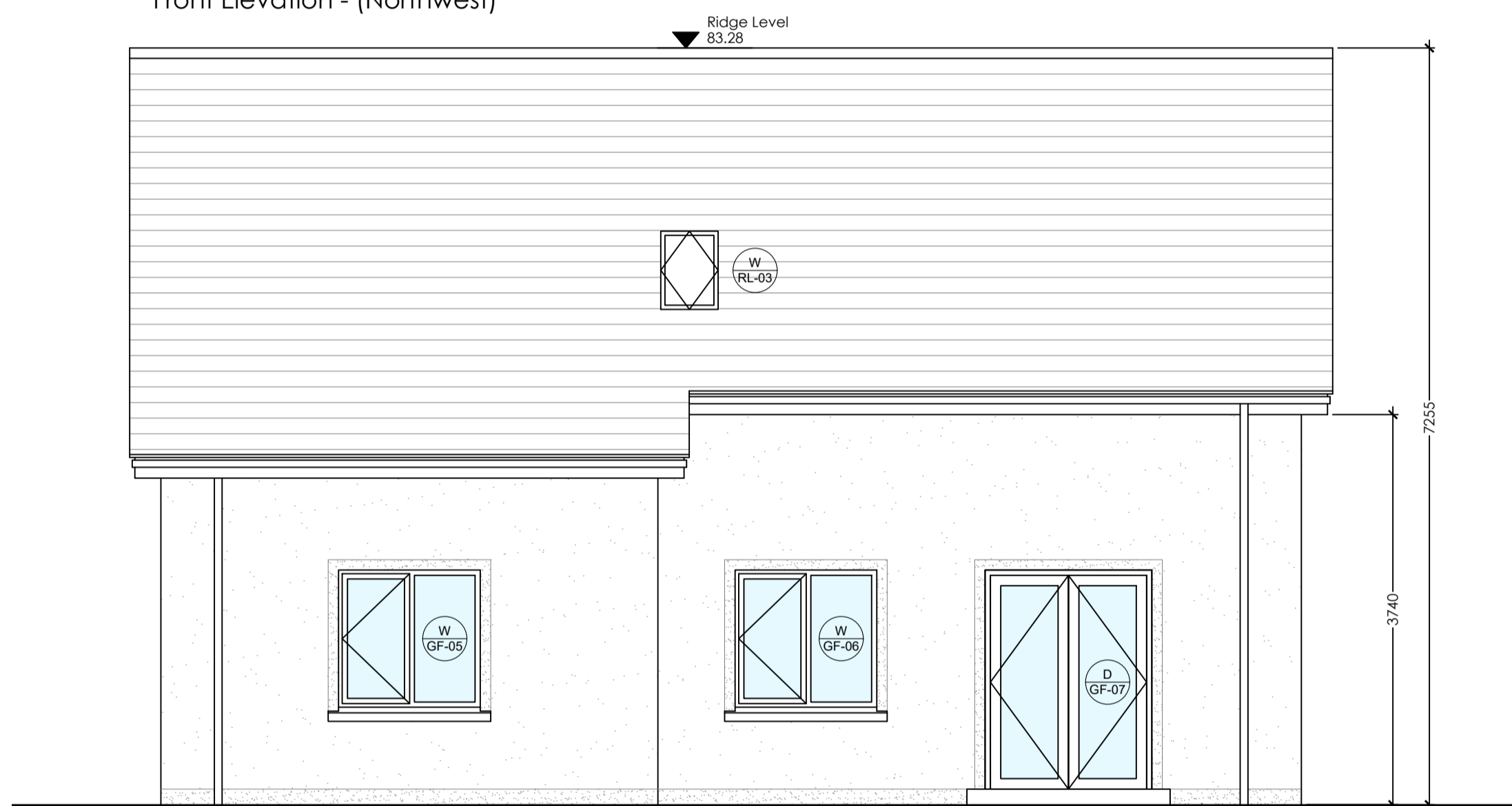




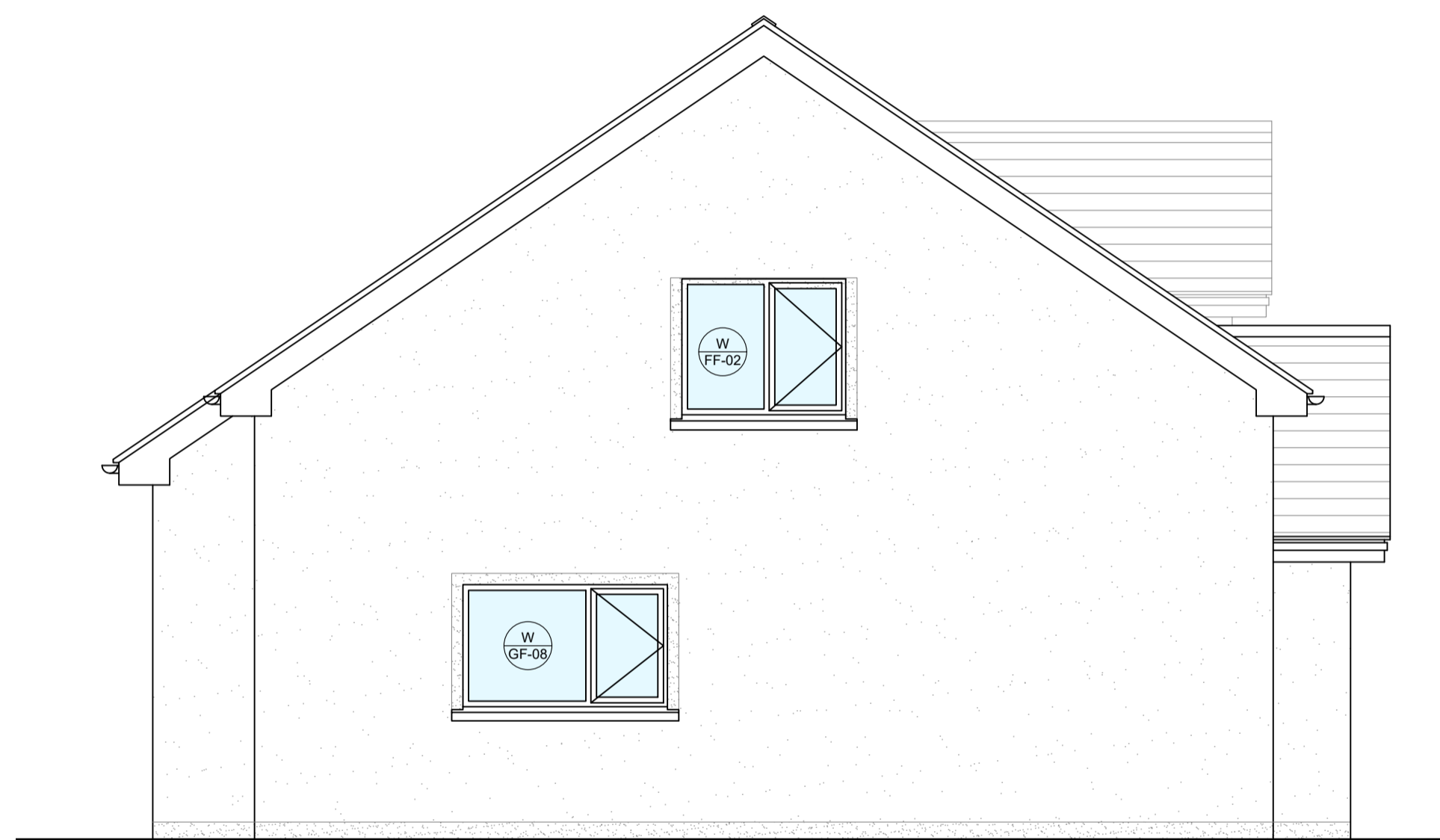
Front Elevation - (Northwest)



Side Elevation - (Southwest)



Rear Elevation - (Southeast)

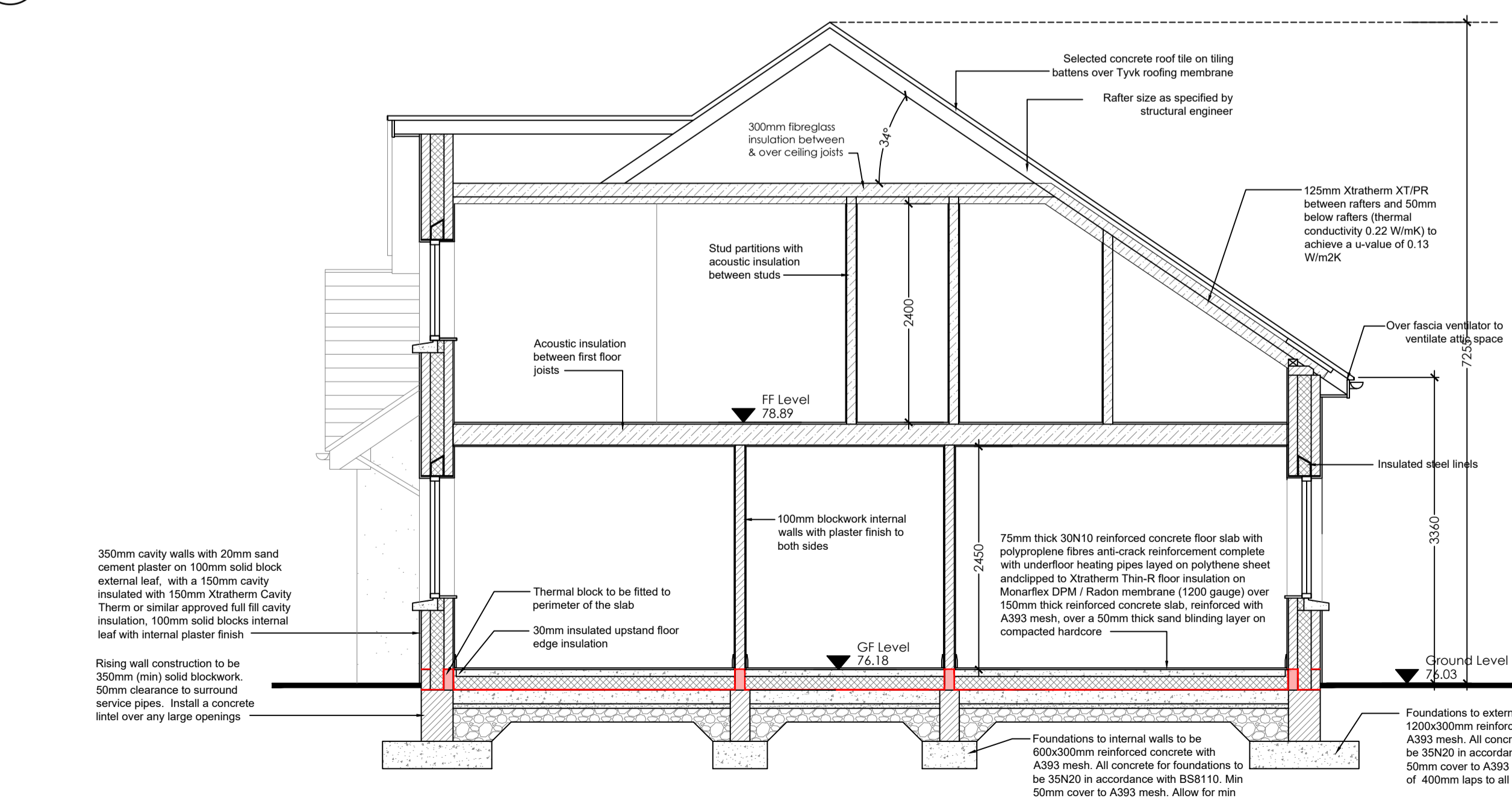


Side Elevation - (Northeast)

01 Proposed Elevations

scale: 1:50

- GENERAL**
- For setting out refer to architect's drawings.
  - This drawing shall be read in conjunction with all the architectural and engineering drawings and all other relevant drawings and specifications. Where conflict occurs between this drawing and other project drawings the design engineer should be notified immediately.
  - Any discrepancies in dimensions are to be referred to the design engineer prior to any works being carried out on site.
  - Before any new construction commences the contractor is to set out the new grids on site as shown on the architect's setting out drawing. The methods for implementing this survey is to be submitted and agreed with the architect and design engineer. All relevant details are to be recorded and copied to the design engineer so that a comparison with the initial evaluation can be made.
  - The contractor is to provide details of all temporary works required by the building method and submit them for review by the design engineer prior to commencement of works.
  - All works are to be planned and executed in accordance with the safety, health and welfare at work act and amendments, and the current safety, health and welfare (construction) regulations and amendments method statements (where required) shall be submitted to the contract administrator.
  - For radon barriers, d.p.c and insulation details refer to architects drawings.
  - Spacers and chairs shall comply with the requirements of BS7973.
  - Strip footing foundation for external walls to be min. 1200 x 300mm deep with a393 mesh at bottom.
  - Strip footing foundation for internal walls to be min. 600 x 300mm deep with a393 mesh at bottom.
- REINFORCED CONCRETE**
- All concrete works to be in accordance with the project specifications, the national structural concrete specification and all associated relevant standards.
  - Unless noted otherwise on the engineers drawings, the contractor shall allow for a min of 1 no. layer of A393 mesh at the bottom of the strip footing lapped min 500mm.
  - All laps to be staggered laps.
  - All concrete shall be min Grade C28/35 in accordance with I.S. EN 206-1:2002 U.N.O.
  - Allow for 50mm thick concrete blinding C16/20 U.N.O.
  - Nominal concrete cover to reinforcement shall be min 50mm.
  - The position and treatment of construction joints shall be to the approval of the engineer.
  - Provide a 25x25mm chamfer to all exposed corners and edges U.N.O.
  - Movement joint filler shall be a compressible fibre board.
  - Movement joint sealant shall be a two part polysulphide sealant.
  - Provide a min. of 24 hours notice to the engineer for inspection of concrete.
  - Concrete cubes shall be taken at a rate of one set of three cubes per 20m<sup>3</sup> min. of one set per day per class of concrete. cubes shall be tested at 7 and 28 days.
  - All sampling and testing of concrete to comply with BS1881. All the results shall be forwarded directly to the engineer.
  - No holes or openings through any foundations, slabs and walls permitted without the permission of the design engineer.
  - All finishes to be agreed with architect.
  - All concrete works to be in accordance with all relevant specifications and all relevant standards.
  - All concrete soffits and sides that are cast against ground are to be protected by 50mm blinding or shuttering while in the wet state. contractor to issue method statement (including construction joints) to the engineer for review.
  - All reinforcement bars shall be in accordance with BS4449 with a yield strength of 500 N/mm<sup>2</sup>. All wire mesh shall be in accordance with BS4483 with a minimum yield strength of 460 N/mm<sup>2</sup>.
  - For all penetrations refer to Civil Engineer/Architects/Service Engineers/Specialists drawings. These are to be submitted to Engineer for review prior to issue for construction. Approved drawings are to be used for construction only.
- GROUNDWORKS**
- Contractor should refer to ground investigation information prior to works commencing on site.
  - The contractor is to confirm suitability of ground conditions, (incl. water levels) existing obstructions and ground contamination once work begins on site.
  - The excavations shall be kept free from water by pumping, bailing or other approved means.
  - Filling other than with concrete shall be carried out in layers not exceeding 150mm in depth before compaction and each layer shall be thoroughly compacted before the next layer is placed.
  - The contractor shall notify the engineer immediately if any areas of soft or unsuitable material are encountered.
  - Foundation to be made on undisturbed ground and any soft spots to be removed and made good with lean mix concrete to engineers approval.
- MASONRY**
- All masonry works to be in accordance with all relevant specifications and all relevant standards.
  - All masonry work to be in accordance with the engineers and architects specifications (U.N.O. elsewhere).
  - The compressive strength of all load bearing masonry shall be as indicated on the appropriate G.A. drawings by a minimum of 10N/mm<sup>2</sup>.
  - The compressive strength of all infill (non-load bearing) masonry shall be 5 N/mm<sup>2</sup> unless noted otherwise.
  - All masonry above dpc level unless noted otherwise shall be laid in Category (II) Mortar designation in accordance with Table 1, SR325.
  - All masonry below dpc level unless noted otherwise shall be laid in Category (I) Mortar designation in accordance with Table 1, SR325.
  - All masonry supplied to site shall be colour coded in accordance with IS20. Agreement or similar certification shall be obtained from the blockwork supplier for each different type of masonry used giving details specified in IS20. These shall be submitted to the Engineer.
  - Stainless steel vertical twist type wall ties complying with IS EN 845-1 shall be provided in accordance with the engineers specification SR325 or as otherwise specifically stated on the drawings. Wall ties shall in addition be provided at 225mm vertical centres and within 150mm from the edges of opens, window and door reveals and joints in masonry. Agreement or similar certification shall be obtained from the supplier giving details specified in IS EN 845-1 and submitted to the Engineer.
  - All wall ties/dowels etc. shall have a minimum of 50mm embedment into each mortar bed joint or masonry leaf.
  - Location and details of control joints in all masonry shall be agreed with the architect, engineer and contractor. For measurement purposes, provide joints at 12m centres maximum generally in brickwork external leaves and 6m centres generally in blockwork external leaves.
  - Expansion joints in masonry shall be formed using 15mm thick 'hydrocote' or similar compressible filler board and high grade proprietary mastic sealant (to architects specification) and tape board breaker.
  - All masonry below ground level to be solid and continuous to all walls.
  - Architect/Engineer to review masonry control joint locations, typical.
  - Collar jointed blockwork AMR-CJ wall ties to be provided in each course of blockwork (i.e. @ 450mm centres vertically).



scale: 1:50

02 Section



	<b>Dwelling at 5a Rednagh Road, Aughrim, Co. Wicklow</b> CLIENT NAME: Wicklow County Council DRAWING TITLE: <b>Proposed Elevations &amp; Section</b>	<b>Issued for Construction</b> SCALE: As noted @ A1 DATE: February 2024 DRAWING NUMBER: TCCE 2020-044-12-C-20-02
	<small>Do not scale from this Drawing. Use figured dimensions in all cases. All dimensions to be confirmed on site. This Drawing is copyright Thomas Campbell Consulting Engineers Ltd. Tel: 094-9003995 / 086-0476845. Email: tcampbell@tagroup.ie</small>	