



- EXISTING WORK
- PROPOSED WORK
- MONO-PITCH ROOF LIGHT (3.4m x 1.0m)
- DEMOLITION WORK
- PROPOSED WORK (ELEVATIONS)

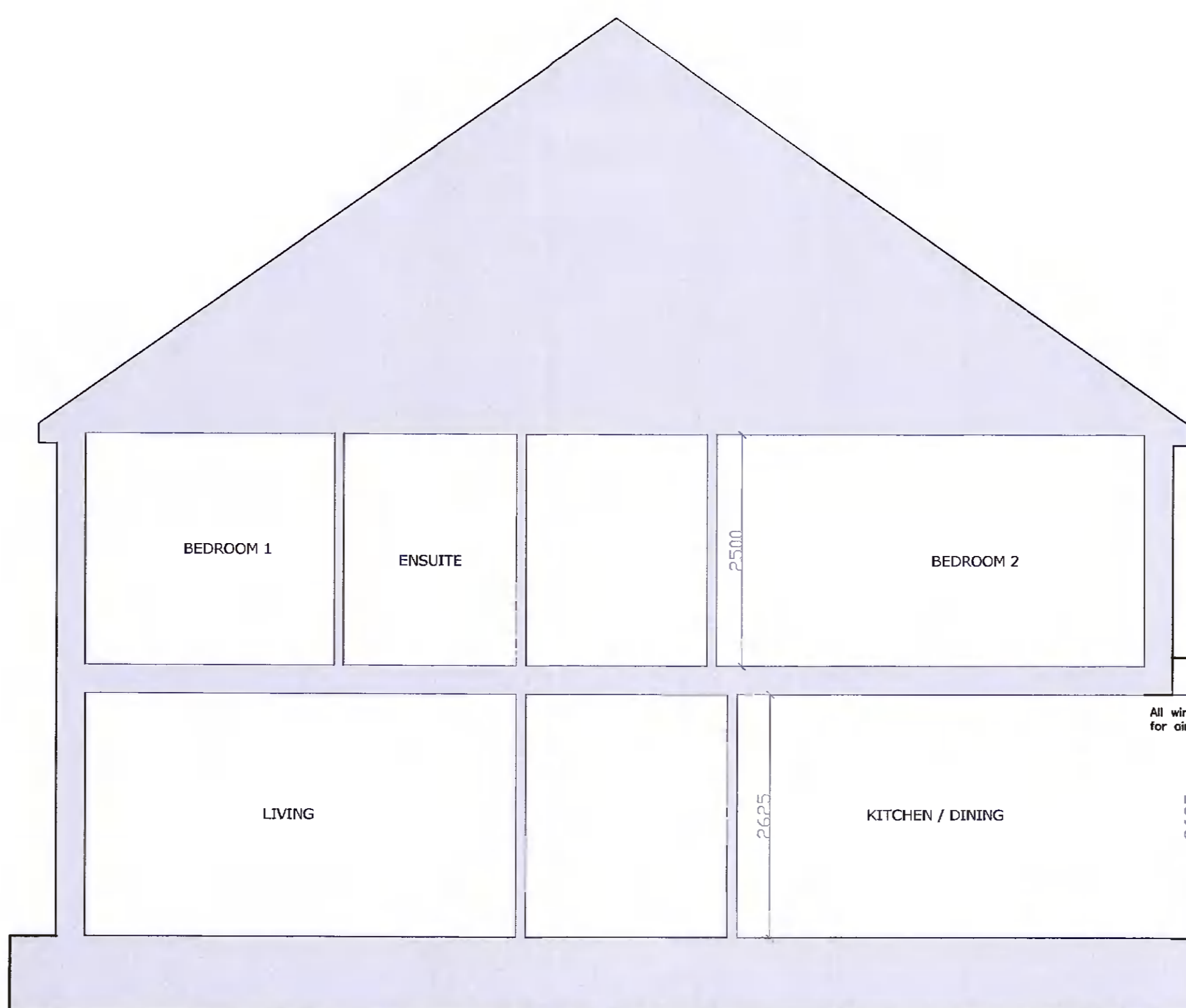
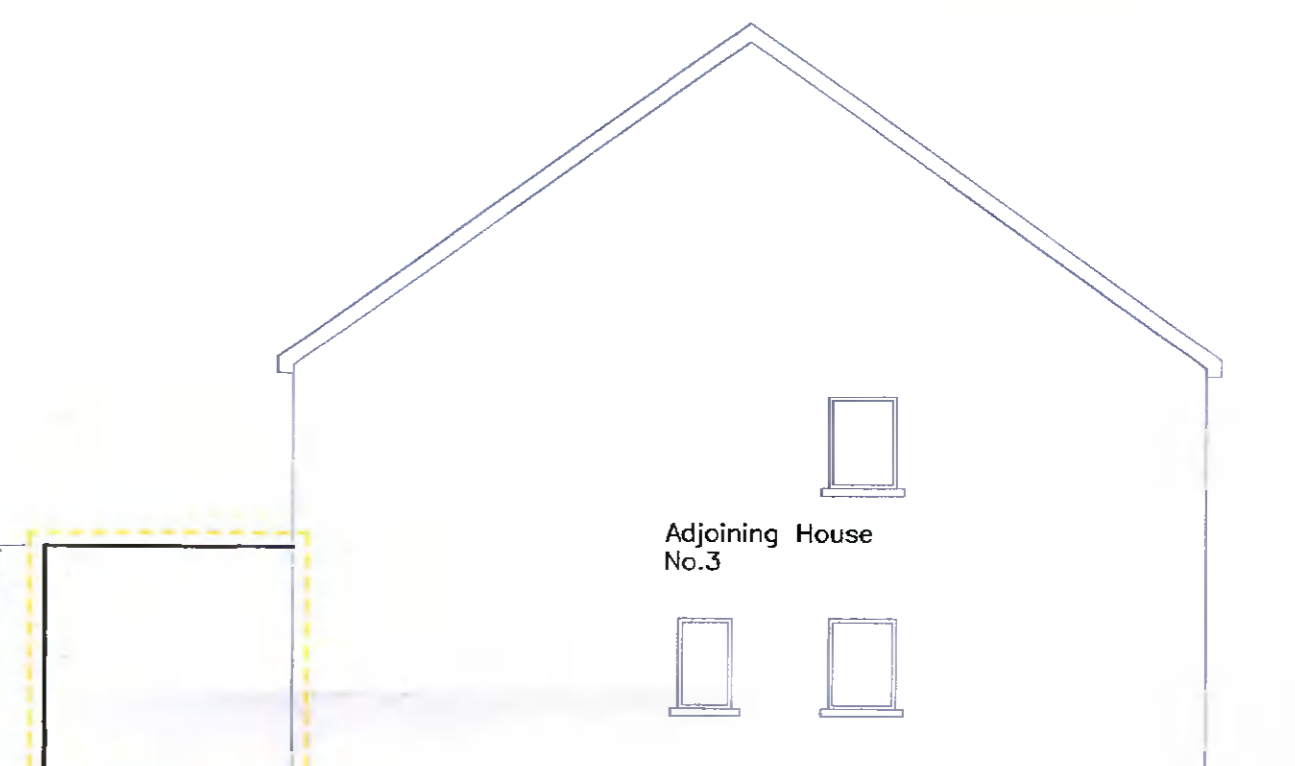
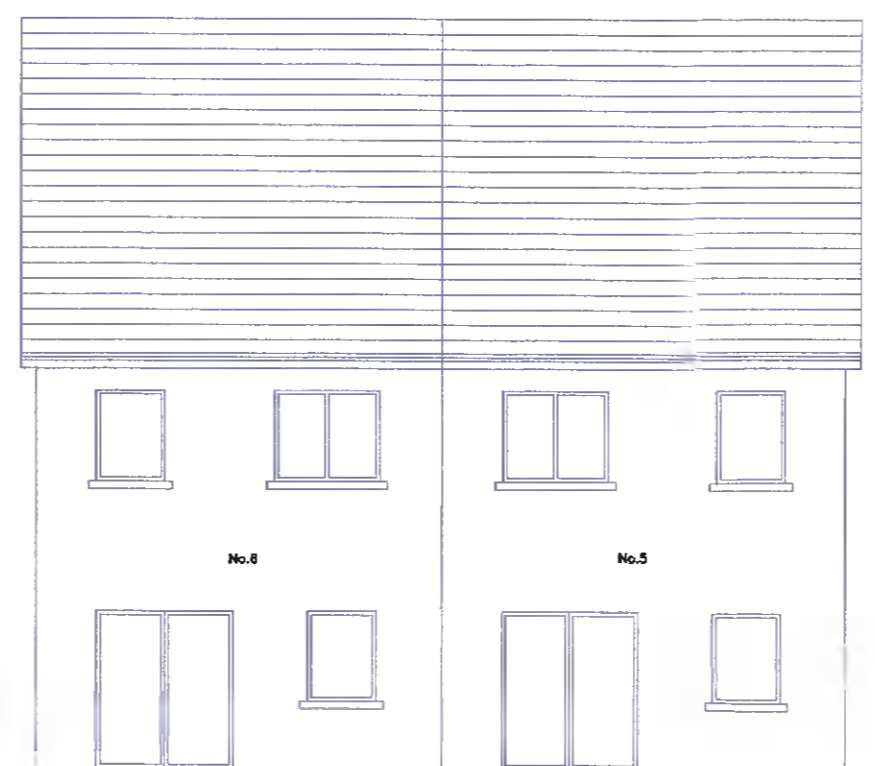
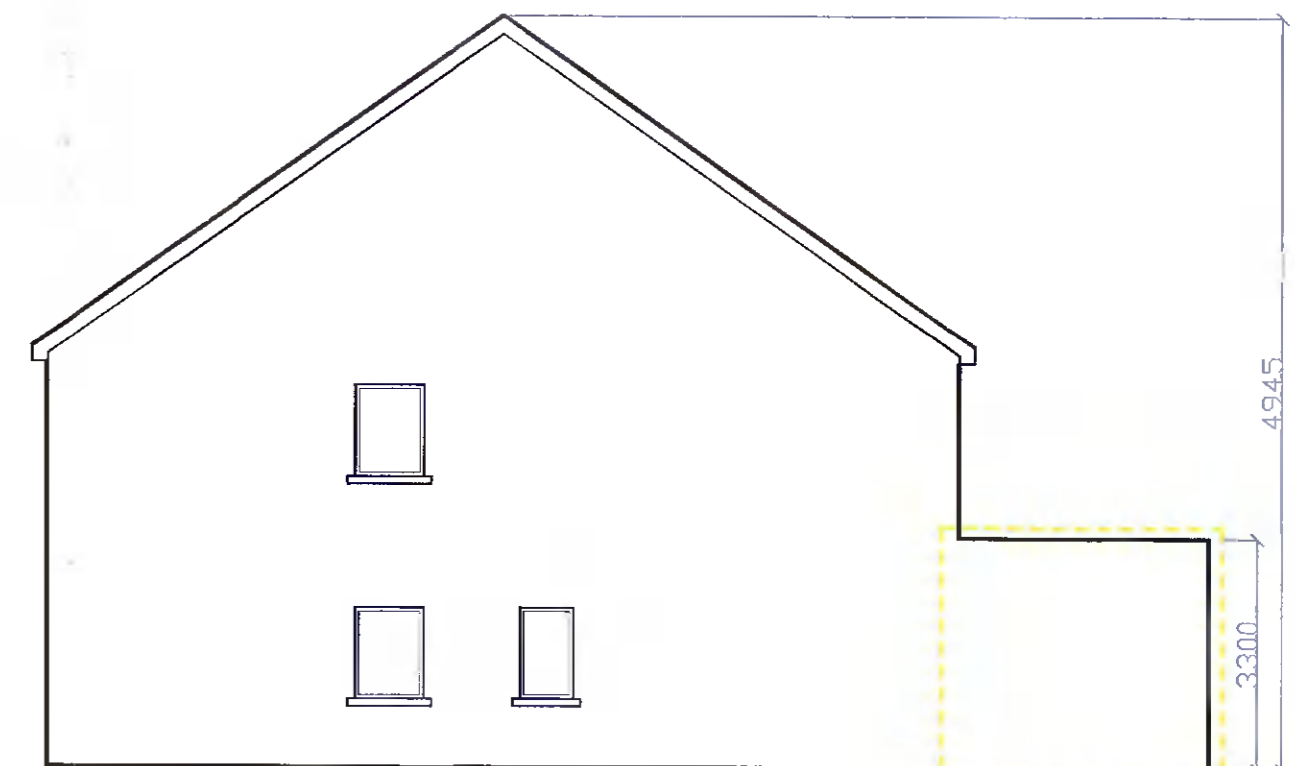
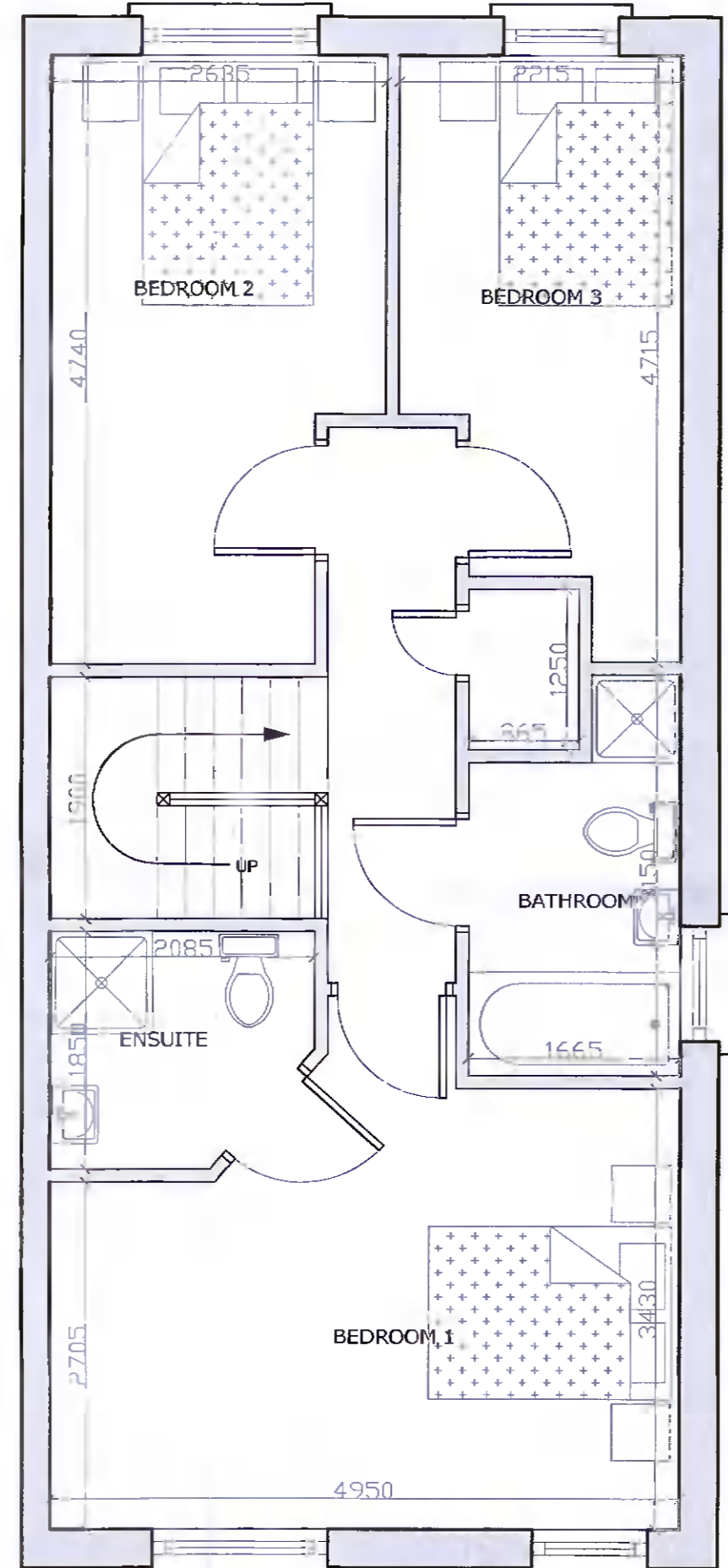
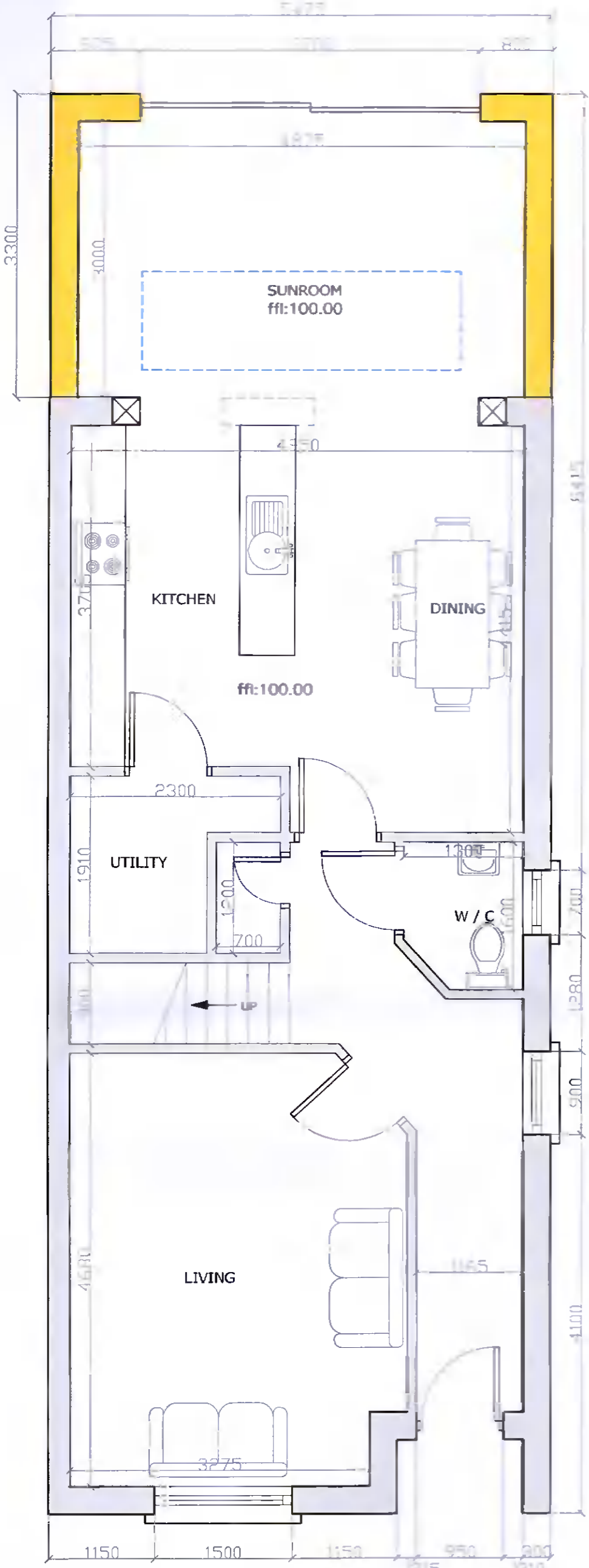
New Development to be tight to existing Common Boundary Wall to be determined on site and by/with agreement with neighbour prior to construction.

External Measurements shown generally, may be slightly reduced to accommodate on site

Install 2 No. 200mm Sq Vertical Steel (Box) as shown drilled to accommodate pumped insulation to reduce cold-bridging

Alternatively use "Block Blocks" to form vertical solid block support Pillars

Structural Steel Beam shown as 246x246x46kg/m with 10mm plate welded top to support blockwork



ELEVATION NOTES:
 Nagpe Plaster Finish to Match Existing
 uPVC/Au-Glad Door to Clients Spec
 Mono-Pitch Roof material not visible
 Existing Blue Black Slate Tiles on Ex. Roof

PLANNING ISSUE ONLY

FOUNDATION CONSTRUCTION:

1050 x 300 mm deep reinforced strip foundations to 300mm solid block rising walls with top surface 900mm minimum below ground level
 Concrete Mix: 30/200 Agg with M.S. Mesh Reinforcement
 Ref A393 with 50 mm cover to Clay Faces
 600 x 300 strip foundations to internal walls and reinforcement as above. This spec may be changed by engineer on inspection of trench foundation.

ROOF CONSTRUCTION:

Mono Pitch Roof Finish with certified fibre-glass finish (Trocal or Similar) on 2 Ply layer of Marine Ply on 50mm x 36mm battens on untarred sarking felt on 225 x 75mm Rafter @ 350mm c-c's (to I.S. EN 1995-1-1:2005 standard plus amendments)
 200mm HD Rigid (Kingspan or similar) board insulation (thermal conductivity = 0.023 W/mK) with polythene vapour barrier or felt backed ceiling slope fixed to underside of ceiling joists/trusses.

CAVITY WALL CONSTRUCTION:

100mm blockwork inner leaf on 125mm "Xtrodorm Cavity Therm" high density insulation board or similar on 100mm blockwork outer leaf
 Cavity wall to have a min. U-value of 0.16 W/m2K in accordance with Building Regs., T.G.D. Part L.
 Cavity wall ties to be placed @ 450mm intervals horizontally and 450mm intervals vertically in accordance with Building Regs., T.G.D. Part A.

10mm air gap at soffit boarding to provide permanent ventilation to attic spaces in accordance with Building Regs., T.G.D., Part F, Sect. 2.

All windows to be taped with TESCON #1 for airtight test.

GLAZING TO HAVE U-VALUE OF 1.20 W/m2K or better
 ROOF TO HAVE U-VALUE OF 0.12 W/m2K
 WALLS TO HAVE U-VALUE OF 0.16 W/m2K

FLOORS TO HAVE U-VALUE OF 0.14 W/m2K

N.B.: Existing Foundations to be exposed and underpinned by 300mm where new extension meets existing.

N.B.: 100mm BS Quinbite block or equal ACC Block to be placed at locations vulnerable to cold bridging (around jamba)

NOTE: It is necessary to provide free airways in the rising walls. To create free airways it is suggested that a gap equivalent to 12,500mm² per metre run of wall (a gap of a quarter of a block in length in each four blocks) should be adequate

NOTE: Provide independent controls in accordance with T.G.D. Part L in zones requiring different temperatures (eg. Living and Sleeping)

NOTE: All bedrooms to have an emergency escape clear opa. Minimum opa. 850 x 500 wide and between 800 and 1100mm above floor level. (denoted E.M. on drawings)

NOTE: All doors must have min. width of 800mm in accordance with T.G.D. Part M.

NOTE: Any unguarded glazing below the level 800mm above the floor should be safely glazed with toughened glass. Toughened glass should also be used in patio doors and glazed panels in all doors.

NOTE: Site to be checked with RPI to confirm level of radon on site to determine if a radon barrier is required.

At least one entrance to the dwelling, if preferably the main entrance, should be accessible to wheelchair users. There should be a clear area of at least 1.2m wide x 1.2m deep in front of every entrance.

Doorbells, entry phones, light switches and suchlike should be located a height 900 and 1200mm above finished floor level.

AIRTIGHTNESS MEMBRANE
 FIXED TO UNDERSIDE OF ROOF TRUSSES (provide for airtight caps to all recessed lights)
 BREATHABLE ROOF MEMBRANE LAPPED AND SEALED WHERE APPROPRIATE

"Xtrodorm Xtrotall XF/ALU" high performance PIR roof insulation or similar to be placed @ sloped ceiling locations, ensuring to provide the necessary U-value of 0.12 W/m2K & in keeping with that of pitched roof. (Insulation thickness to be determined prior to consultation)

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Client:	Mark & Claire Jones	Draft:	PLANNING
Project:	Proposed Development at, 4 Shackleton Walk, Lucan, Co. Dublin. K78 H524.	Dwg. Type:	PLANS, SECTION & ELEVATIONS
Date:	Dec 2021	Scale:	1:100 & 1:50
		Dra. No.:	MJ/PLN-003

NB: HIGH DENSITY INSULATION TO BE USED SO AS TO ACHIEVE ACCEPTABLE U-VALUE (U-VALUE OF 0.16 W/m2K FOR WALLS)

FLOOR CONSTRUCTION:
 150mm power floated concrete slab, concrete grade C25/30, on 125mm thick full floor high density expanded polystyrene insulation, (thermal conductivity 0.023 W/mK) on 1200 gauge visqueen damp proof membrane laid with joints sealed on a bed of 50mm sand binding on min. 150mm levelled and consolidated hardcore base in accordance with Annex E of SR 21: 2004 + A1: 2007. D.P.M. to conform to I.S. 57:1987. Insulation to be turned up at slab edge.
 Floor to have a U-value of 0.14 W/m2K in accordance with the Building Regulation, T.G.D. Part L

Wall ties @ 750mm x 450mm C-C. (Double wall tie @ 450mm C-C to all opes.) All window perimeters to be taped with "Tescon #1" for airtightness test

100mm conc. block wall
 125mm high density insulation
 100mm conc. block wall

hardwood window boards
 selected windows to have min. U-Value of 1.5 W/m2K
 225mm d.p.c

WINDOW JAMB DETAIL (Scale 1:25)