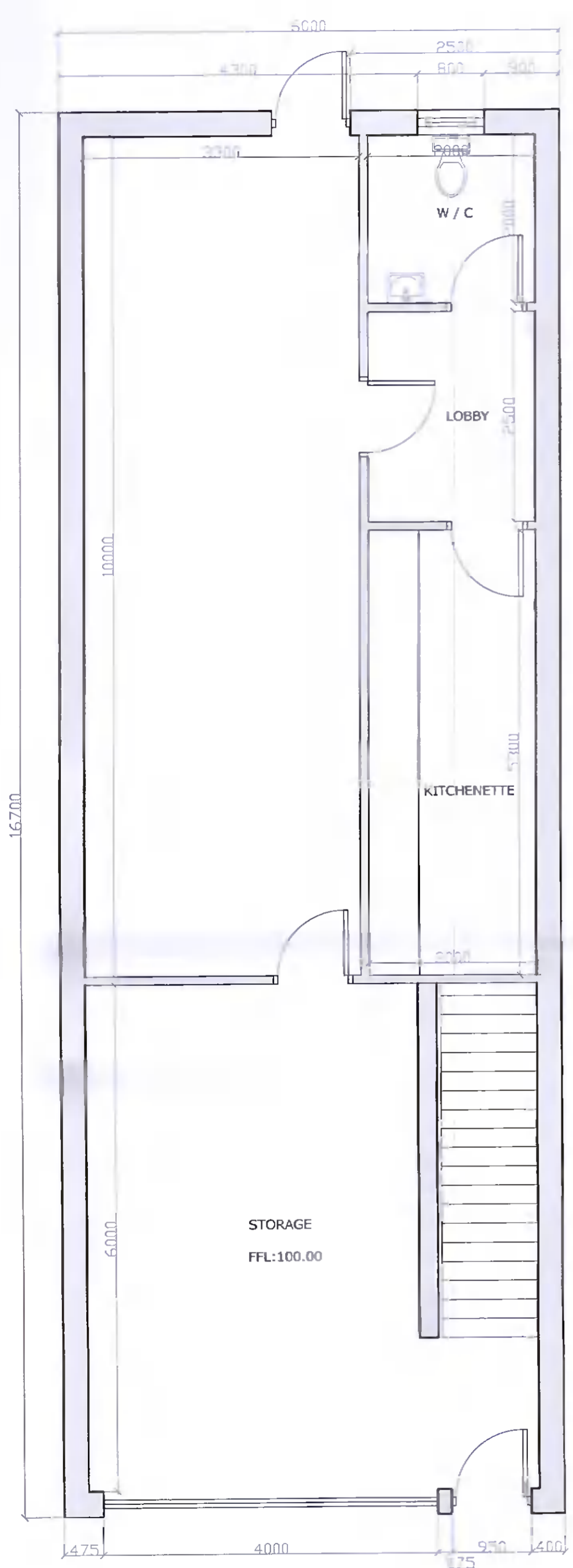
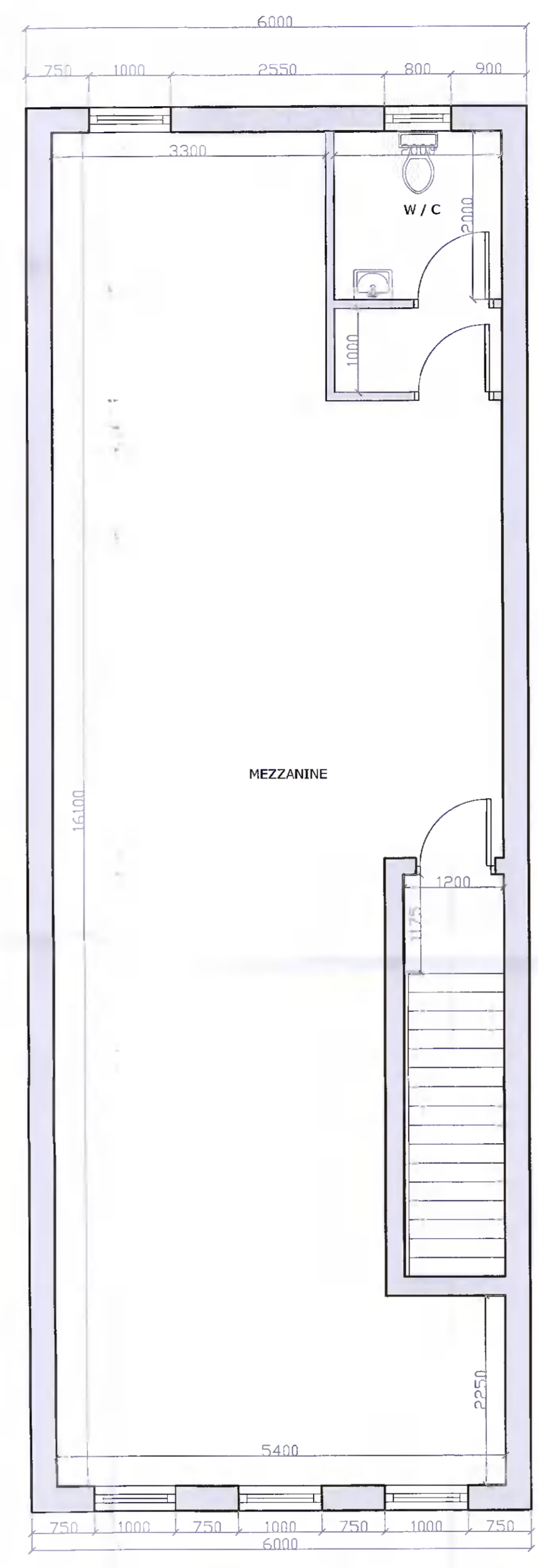


# PLANNING ISSUE

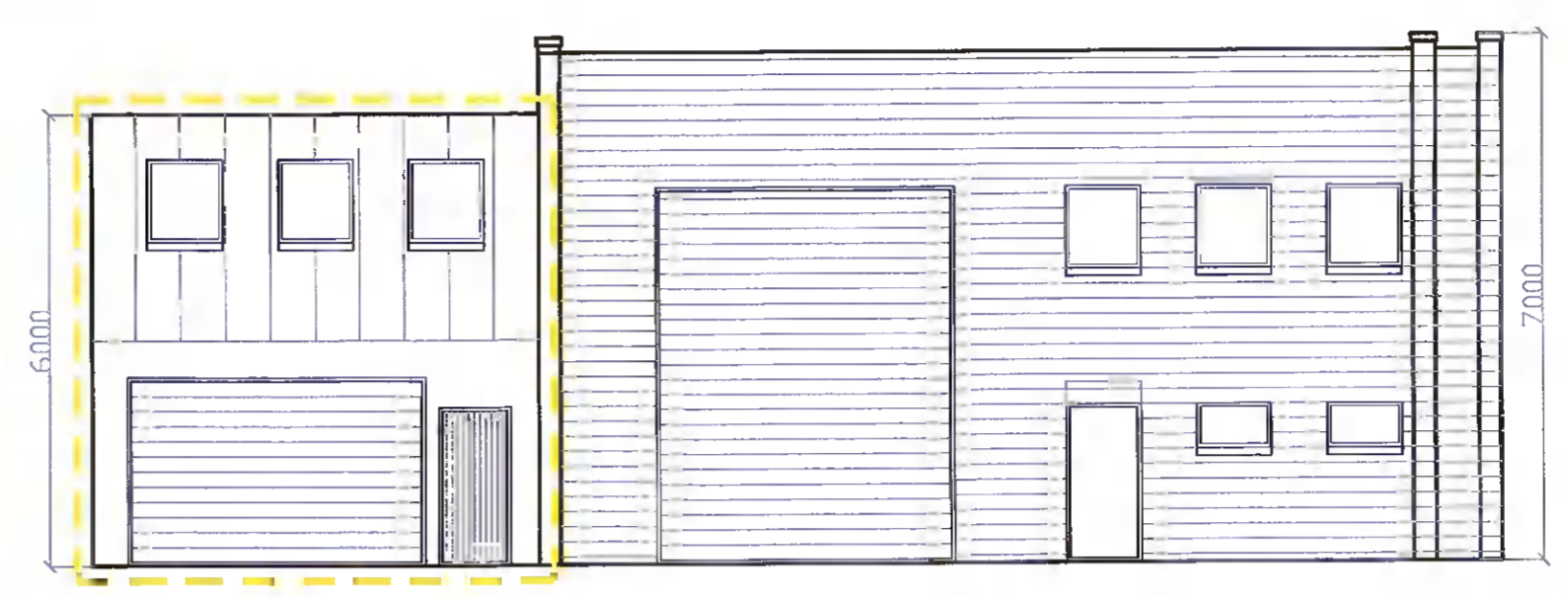
**ELEVATION NOTES:**  
 Existing Adjacent property is Exposed Block  
 Proposed Development Exposed Block  
 Pressed Metal Finish to Side and Roof as shown  
 Alu-Clad Doors and Windows  
 Proposed Development (Elevations) shown Dashed Yellow



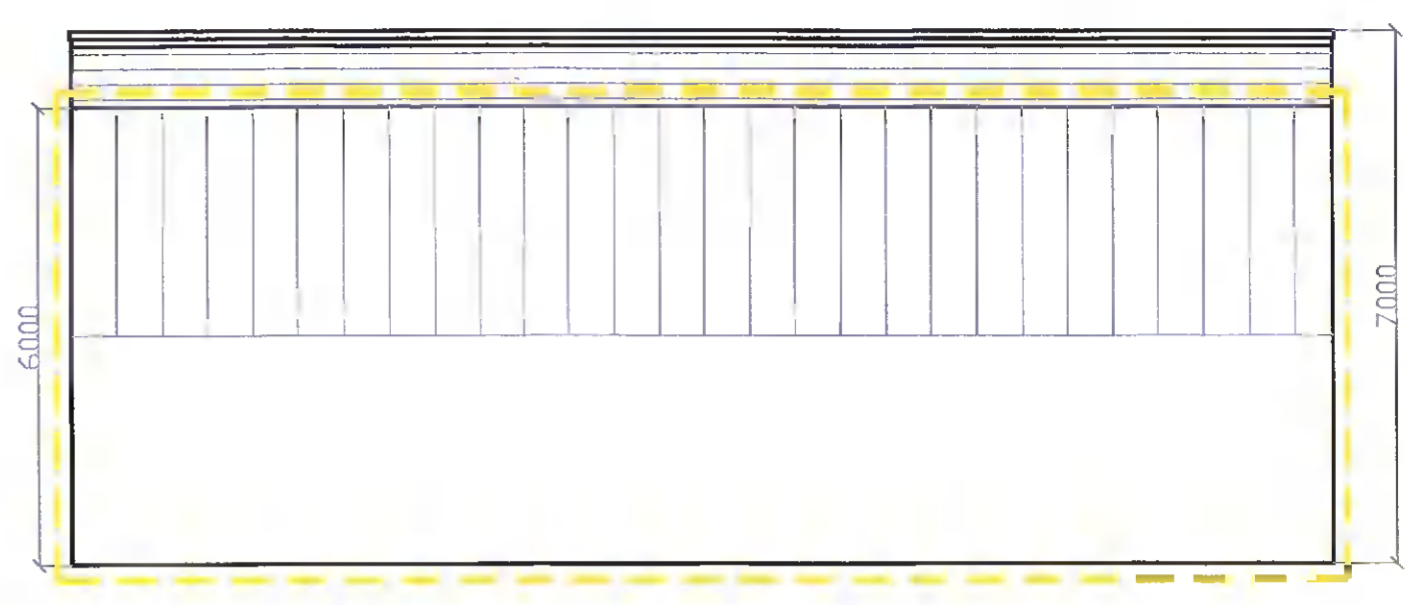
**GROUND FLOOR PLAN**  
 GROUND FLOOR AREA: 87 SQM.  
 FIRST FLOOR AREA: 87 SQM.  
 TOTAL FLOOR AREA: 174 SQM.



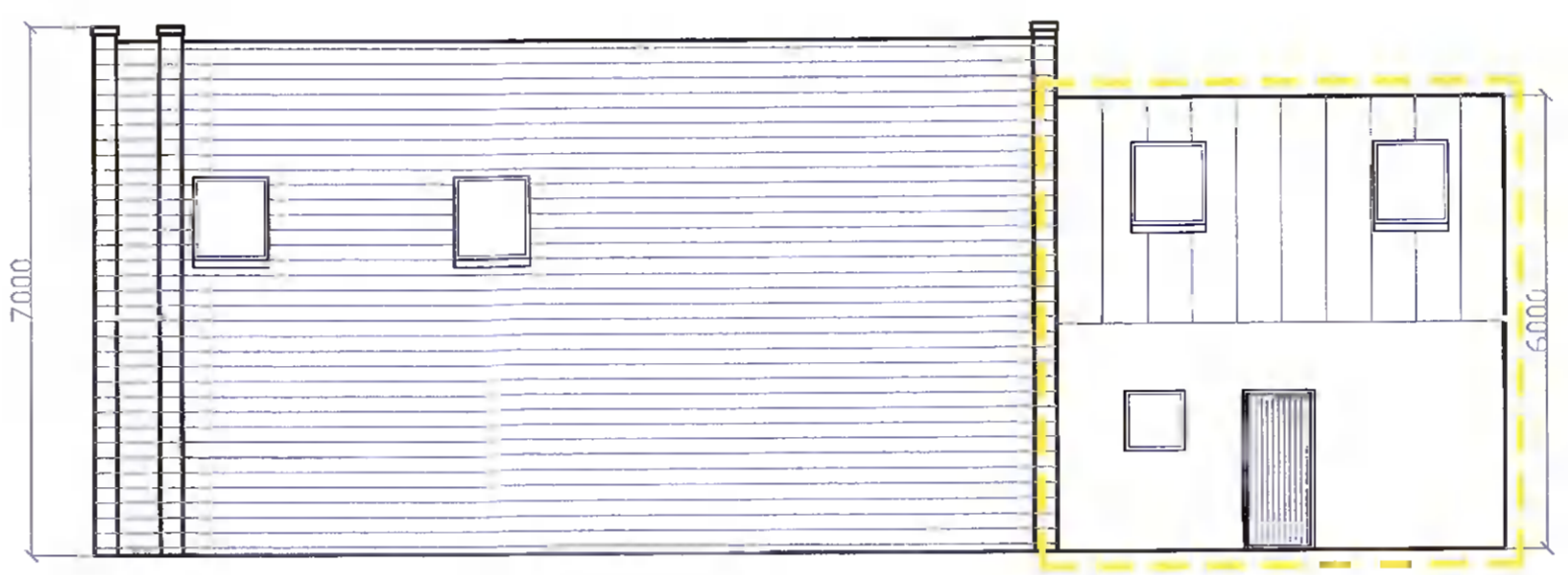
**FIRST FLOOR PLAN**



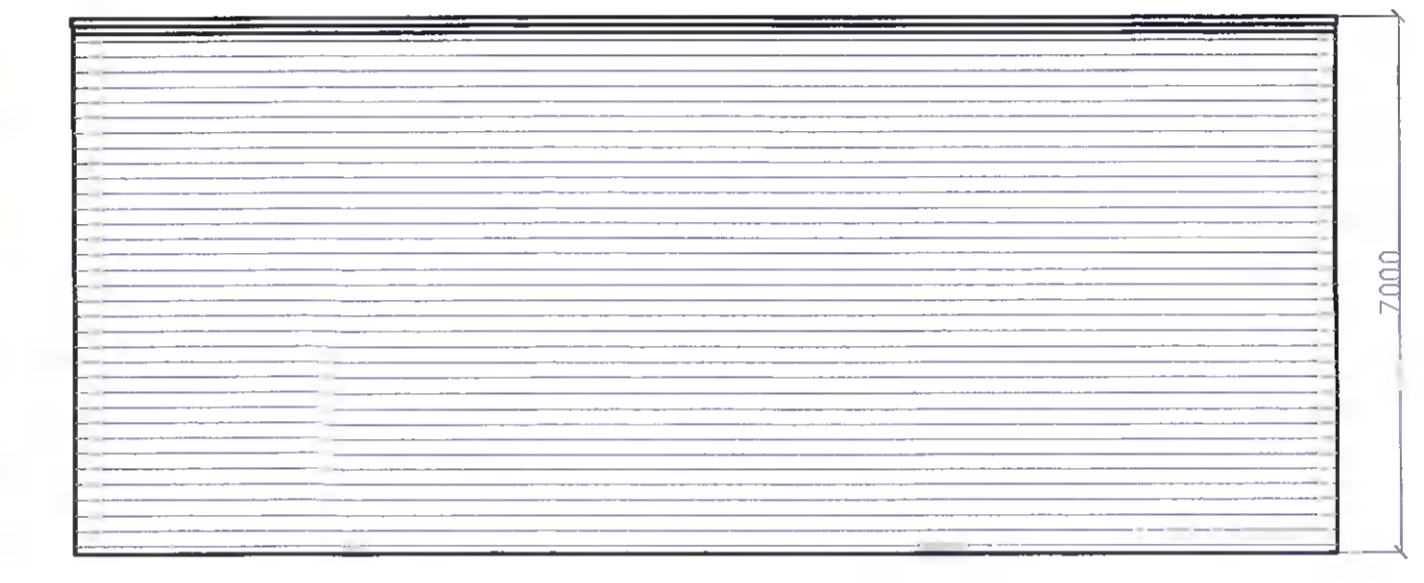
**FRONT ELEVATION**



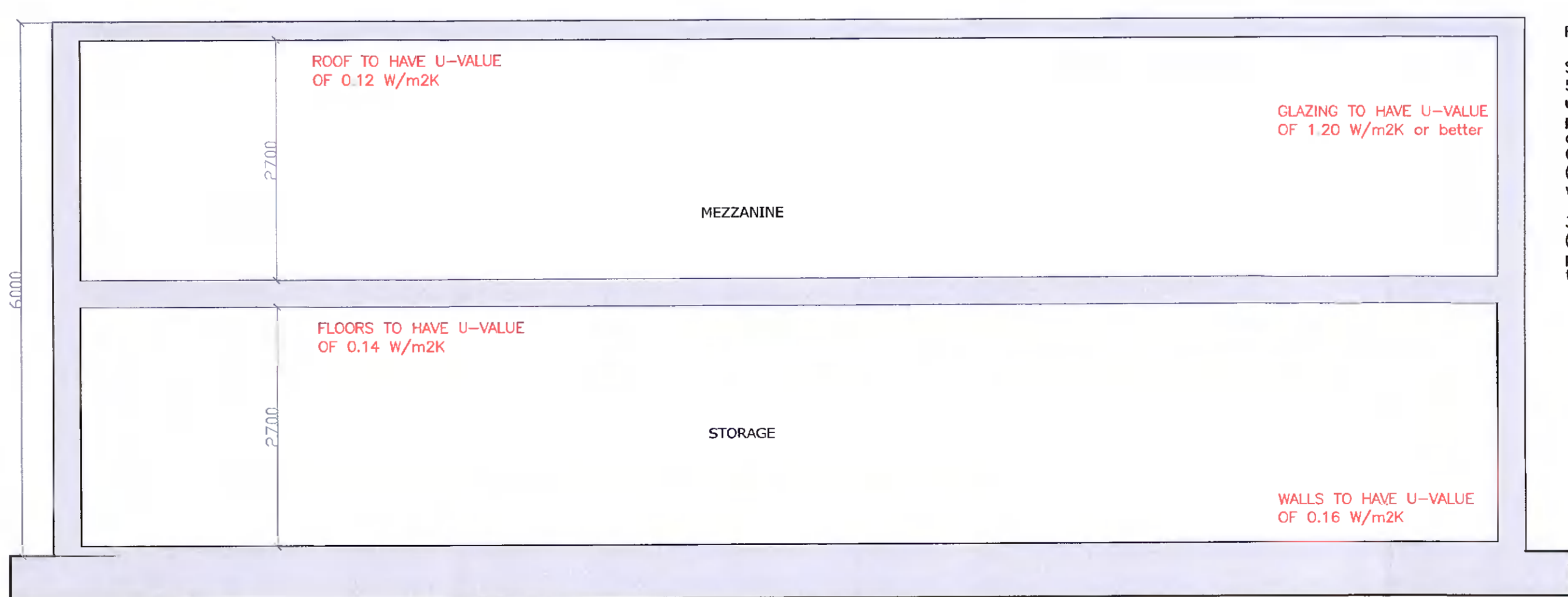
**PROPOSED SIDE ELEVATION**



**REAR ELEVATION**



**EXISTING SIDE ELEVATION**



**SECTION**

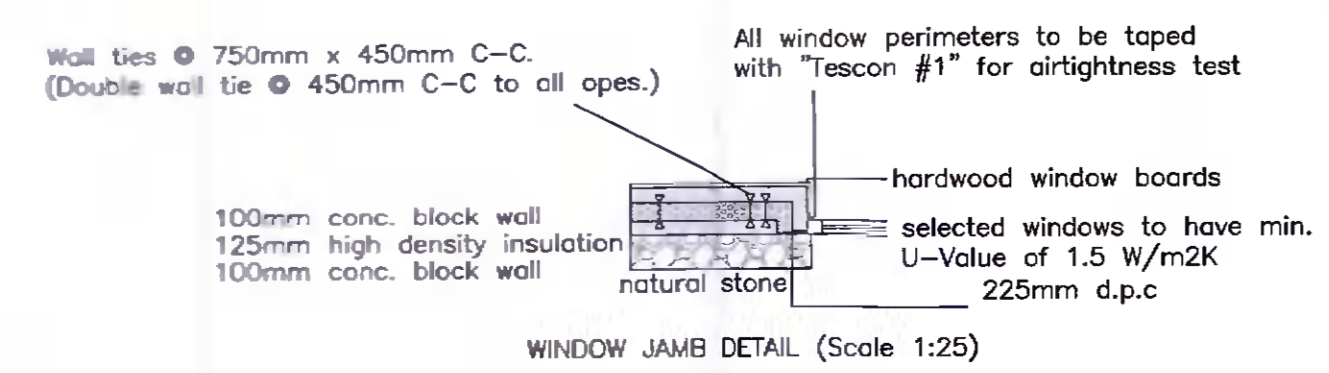
**ROOF CONSTRUCTION:**  
 Selected Profile Sheet/pressed metal Roof Finish  
 50mm x 36mm battens on untearable sarking felt on prefabricated roof trusses @ 450mm c-c's or Steel Portal Frame to manufacturers instructions and later Clients detail (trusses to I.S. EN 1995-1-1:2005 standards plus amendments), wind bracing and water storage tank supports to I.S. EN 1995-1-1:2005.  
 300mm fibre glass quilt insulation (thermal conductivity = 0.023 W/mK) with polythene vapour barrier or foil backed ceiling slabs fixed to underside of ceiling joists/trusses.  
**NOTE:** It is necessary to provide free airways in the rising walls. To create free airways it is suggested that a gap equivalent to 12,500mm.sq. per metre run of wall (a gap of a quarter of a block in length in each four blocks) should be adequate.  
**NOTE:** Any unguarded glazing below the level 800mm above the floor should be safety 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 RPII to confirm level of radon on site to determine if a radon barrier is required.

**CAVITY WALL CONSTRUCTION:**  
 100mm blockwork inner leaf on 125mm "Xtratherm 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/m<sup>2</sup>K 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.

**AIRTIGHTNESS MEMBRANCE:**  
 FIXED TO UNDERSIDE OF ROOF TRUSSES (provide for airtight caps to all recessed lights)  
**BREATHABLE ROOF MEMBRANE LAPPED AND SEALED WHERE APPROPRIATE**  
 "Xtratherm Xtrafall 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/m<sup>2</sup>K & in keeping with that of pitched roof. (Insulation thickness to be determined prior to consultation)

**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 35N20 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.

**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 blinding 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/m<sup>2</sup>K in accordance with the Building Regulation, T.G.D. Part L.



**WINDOW JAMB DETAIL (Scale 1:25)**

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

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<b>Client:</b> Tommy Maher	<b>Draft:</b> Planning Permission	
<b>Project:</b> Proposed development at South of Unit No.1 Knockmitten Close, Western Industrial Park, Naas Road, Dublin 12.	<b>Drg. Type:</b> PLANS & SECTION	
<b>Date:</b> Dec 2021	<b>Scale:</b> 1:100, 1:50	<b>Drg. No.:</b> TM/PLN-003