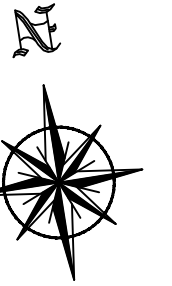


**Notes -**  
 All drawings to be read in conjunction with Architects drawings.

Do not scale off these drawings - use figured dimensions only  
 All dimensions to be checked on site

All work to comply with the 2014 Building Control (Amendment) Regulations



Site of neighbouring property 'House C'

Cross-section

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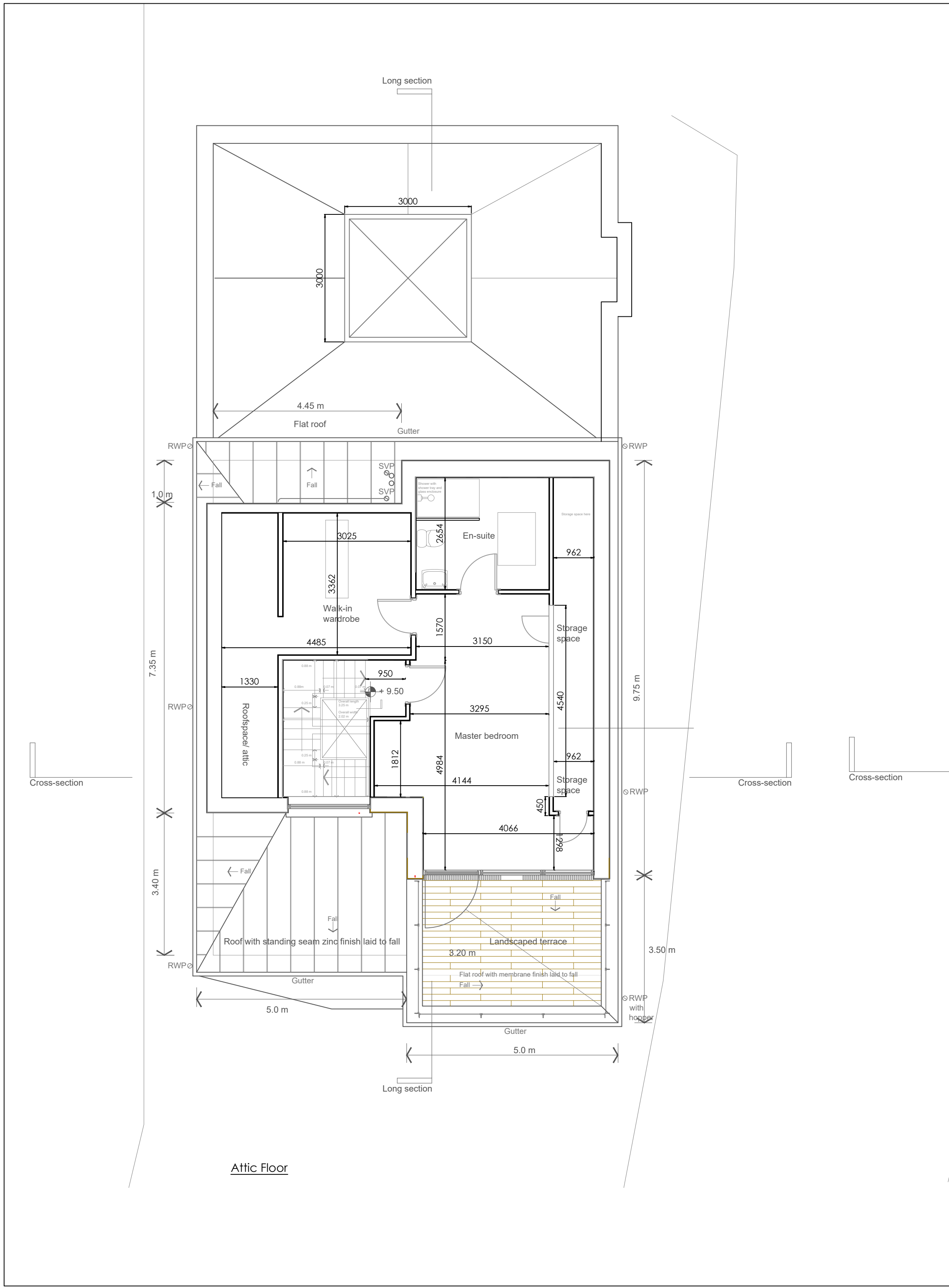
1 Moat House, Main Street  
 Ratoath, Co Meath  
 (t) 01 697 8260  
 www.oneillces.ie

job  
 House 'B', Greenfield Road,  
 Sutton, Co Dublin

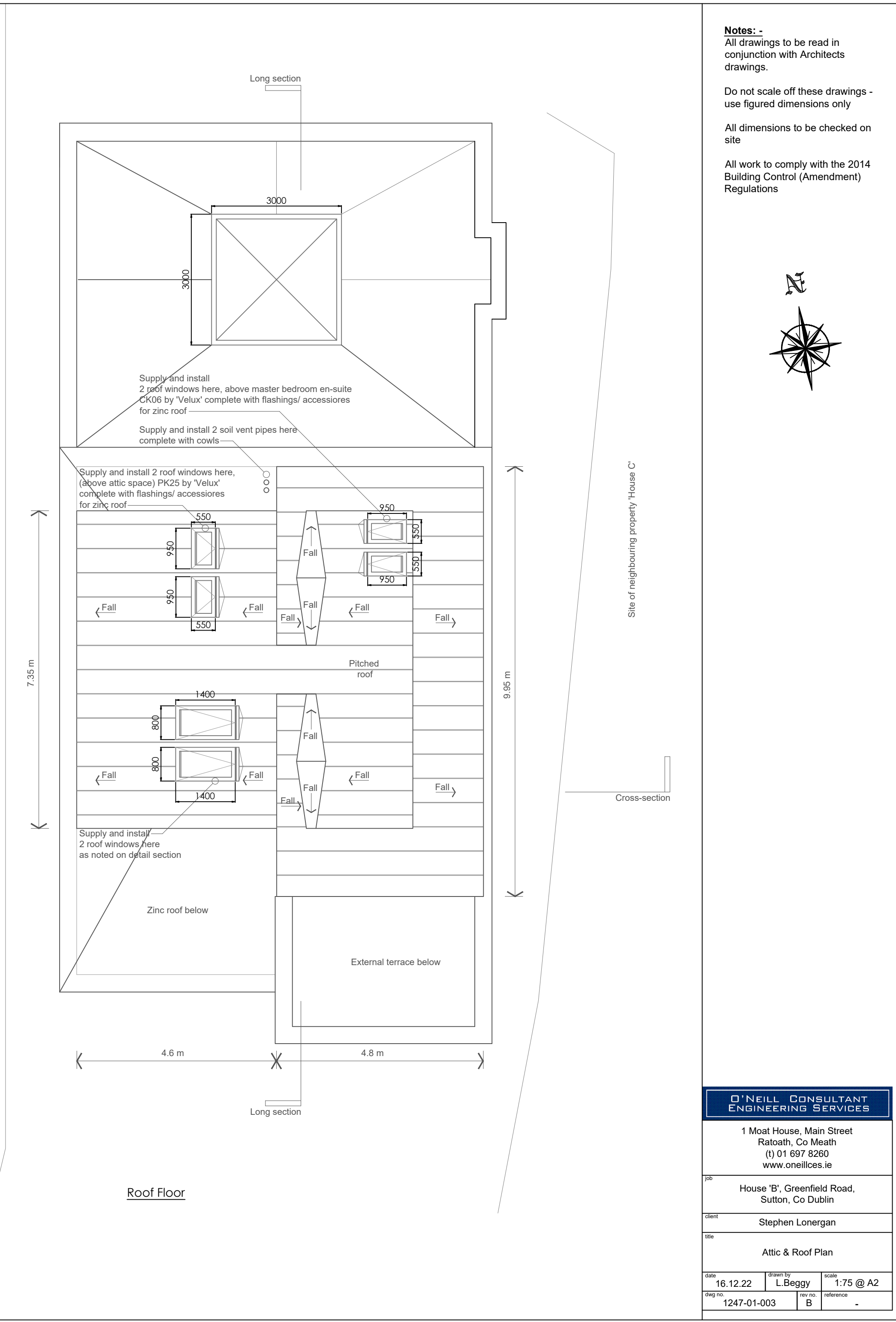
client  
 Stephen Lonergan

title  
 Attic & Roof Plan

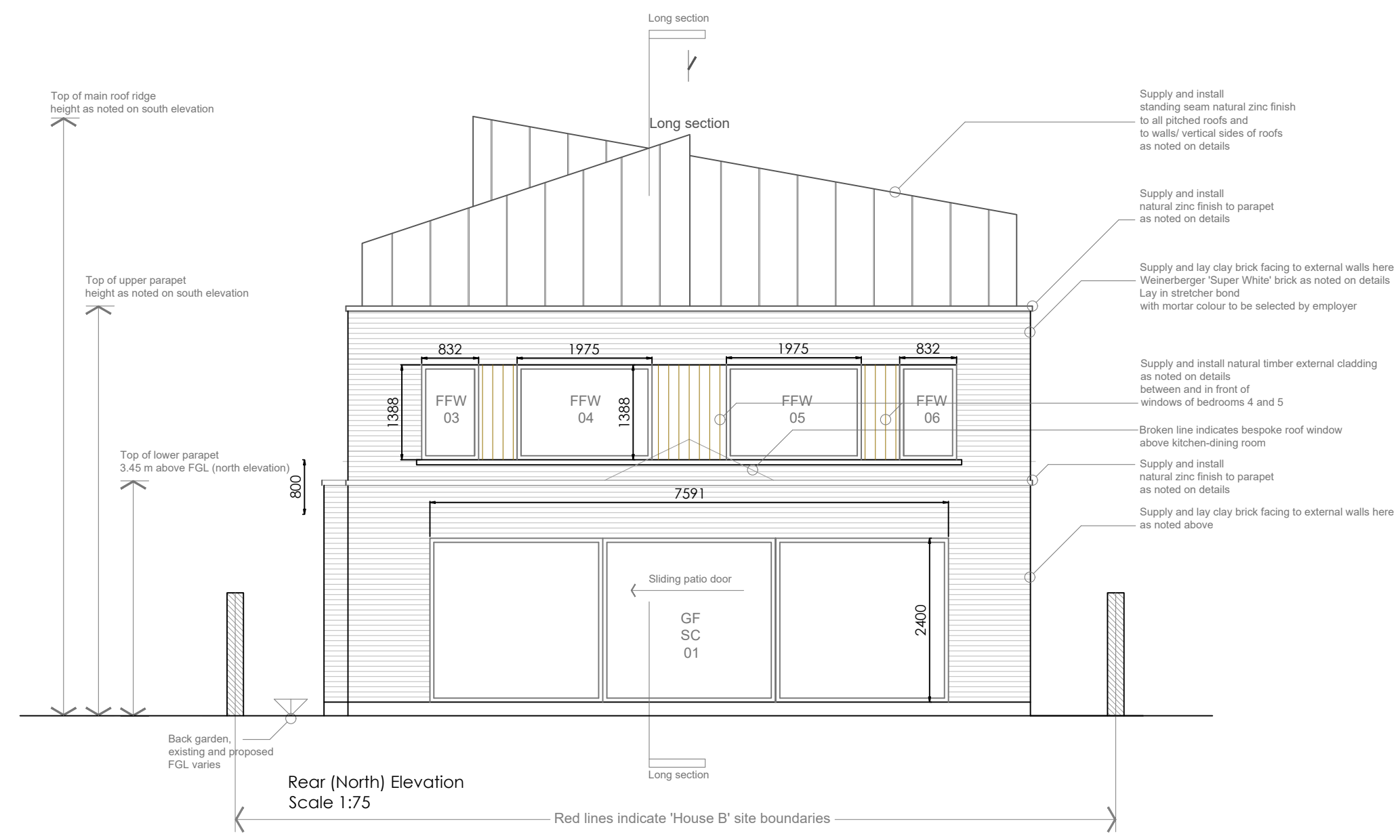
date 16.12.22	drawn by L.Beggy	scale 1:75 @ A2
dwg no. 1247-01-003	rev no. B	reference -



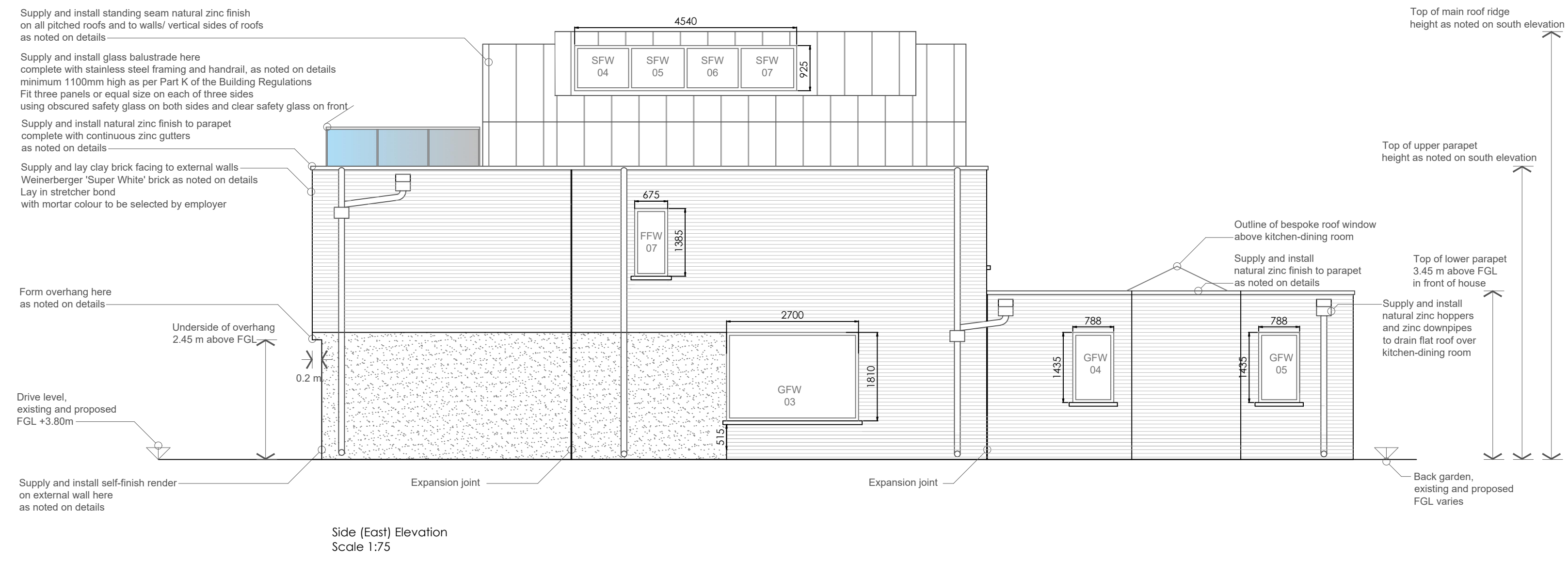
Attic Floor



Roof Floor



Rear (North) Elevation  
Scale 1:75



Side (East) Elevation  
Scale 1:75

**Notes: -**  
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All work to comply with the 2014 Building Control (Amendment) Regulations

<b>O'NEILL CONSULTANT ENGINEERING SERVICES</b>		
1 Moat House, Main Street Ratoath, Co Meath (t) 01 697 8260 www.oneillces.ie		
job	House 'B', Greenfield Road, Sutton, Co Dublin	
client	Stephen Lonergan	
title	Elevations	
date	drawn by	scale
27.06.22	L.Beggy	1:75 @ A2
dwg no.	rev no.	reference
1247-01-005	-	-

**Roof:**  
Standing seam natural zinc finish, on 18mm marine grade plywood, on roofing membrane, on 44x175mm C24 rafters @ 300mm c/c with 125mm insulation between.  
Airtight membrane to underside, with plasterboard, plaster and paint finish.

**Attic External walls:**  
Standing seam natural zinc finish, on roofing membrane, on 18mm marine grade plywood, on 44x150mm C24 studs with insulation between.  
Airtight membrane to inside, with 25mm counter-battens for services, with 50mm insulated plasterboard, plaster and paint finish.

**Notes: -**  
All drawings to be read in conjunction with Architects drawings.

Do not scale off these drawings - use figured dimensions only

All dimensions to be checked on site

All work to comply with the 2014 Building Control (Amendment) Regulations

**Attic Floor:**  
To be constructed in same way as first floor.

External terrace area to have paving slabs, on adjustable pedestal supports, on waterproof membrane, on insulation on screed to fall towards drainage outlet, on 150/200mm floor slabs.

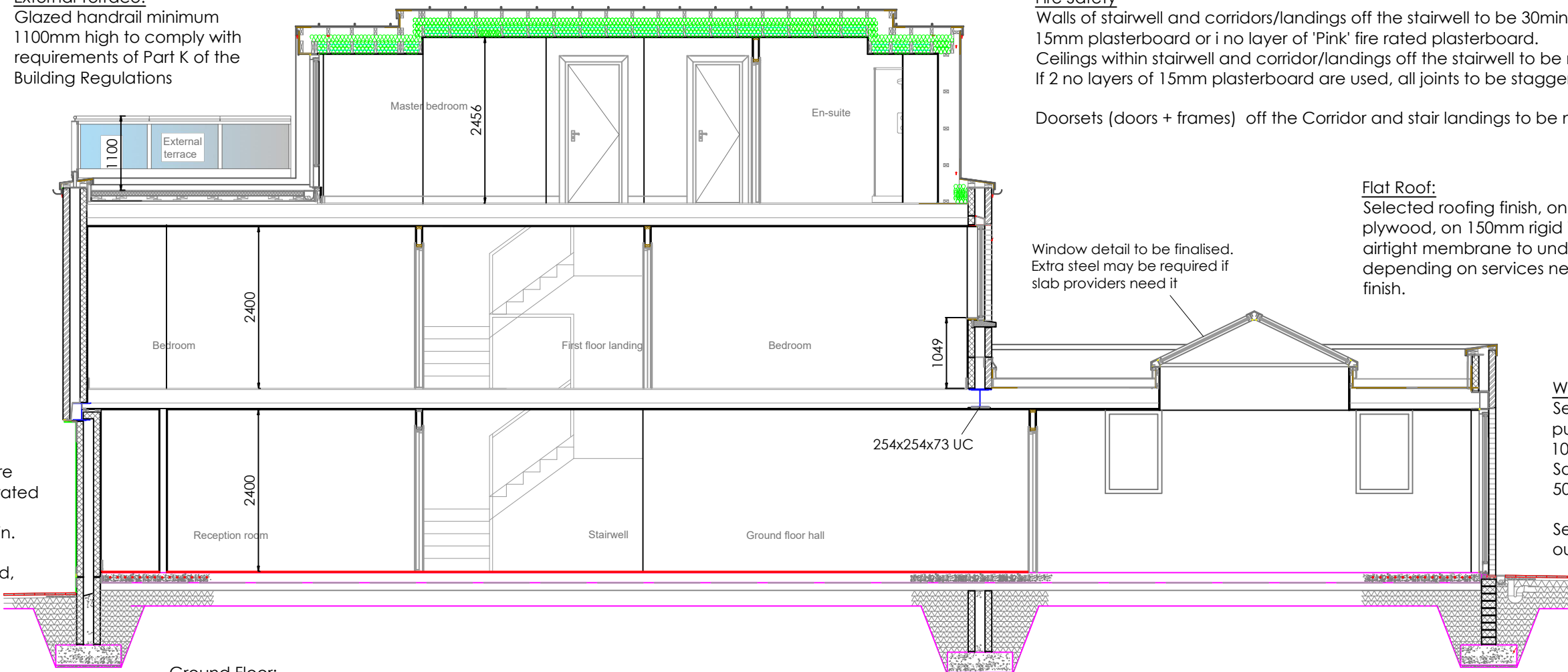
**First Floor:**  
Selected flooring, on 50mm self levelling screed (covering u/f heating pipes if being installed), on 30mm rigid insulation, on 150/200mm precast floor slabs, with 100-150mm service void below (depth depending on services needed), 2no layers plasterboard to achieve 30/60min fire rating, with plaster and paint finish.

**Stairs:**  
Precast concrete stairs. Stair thread & handrail to be confirmed by the client.

**Fire Safety**  
Walls of stairwell and corridors/landings off the stairwell to be 30min fire rated with 2no. layers of 15mm plasterboard or 1 no layer of 'Pink' fire rated plasterboard.  
Ceilings within stairwell and corridor/landings off the stairwell to be min. 30min fire rated also.  
If 2 no layers of 15mm plasterboard are used, all joints to be staggered, and taped + jointed.

Doorsets (doors + frames) off the Corridor and stair landings to be minimum FD30S fire doorsets.

**External Terrace:**  
Glazed handrail minimum 1100mm high to comply with requirements of Part K of the Building Regulations



**Flat Roof:**  
Selected roofing finish, on roofing membrane, on 18mm marine grade plywood, on 150mm rigid insulation, on 150/200mm precast slabs, with airtight membrane to underside, 100-150mm service void (depth depending on services needed), and plasterboard, plaster and paint finish.

**Walls:**  
Select brickwork outer leaf, with 150mm cavity pumped with warm fill silverbead insulation, with 100mm inner block leaf.  
Sand/cement render internally for airtightness with 50mm insulated plasterboard, plaster and paint finish.

Select elevations to have rendered finish on 100mm outer block leaf in place of brickwork

**Ground Floor:**  
Selected flooring, on 65mm screed covering u/f heating, on 150mm Xtratherm XT/UF insulation (or equivalent), on Radon Barrier, on raft foundation floor slab as per foundation detail, on well compacted hardcore placed in layers not exceeding 225mm in depth. Hardcore to be SR21 and comply with IS EN 13242.

Long Section  
Scale 1:75

**Attic External walls:**  
Standing seam natural zinc finish, on roofing membrane, on 18mm marine grade plywood, on 44x150mm C24 studs with insulation between.  
Airtight membrane to inside, with 25mm counter-battens for services, with 50mm insulated plasterboard, plaster and paint finish.

**Roof:**  
Standing seam natural zinc finish, on 18mm marine grade plywood, on roofing membrane, on 44x175mm C24 rafters @ 300mm c/c with 125mm insulation between.  
Airtight membrane to underside, with plasterboard, plaster and paint finish.

**Fire Safety**  
Walls of stairwell and corridors/landings off the stairwell to be 30min fire rated with 2no. layers of 15mm plasterboard or 1 no layer of 'Pink' fire rated plasterboard.  
Ceilings within stairwell and corridor/landings off the stairwell to be min. 30min fire rated also.  
If 2 no layers of 15mm plasterboard are used, all joints to be staggered, and taped + jointed.

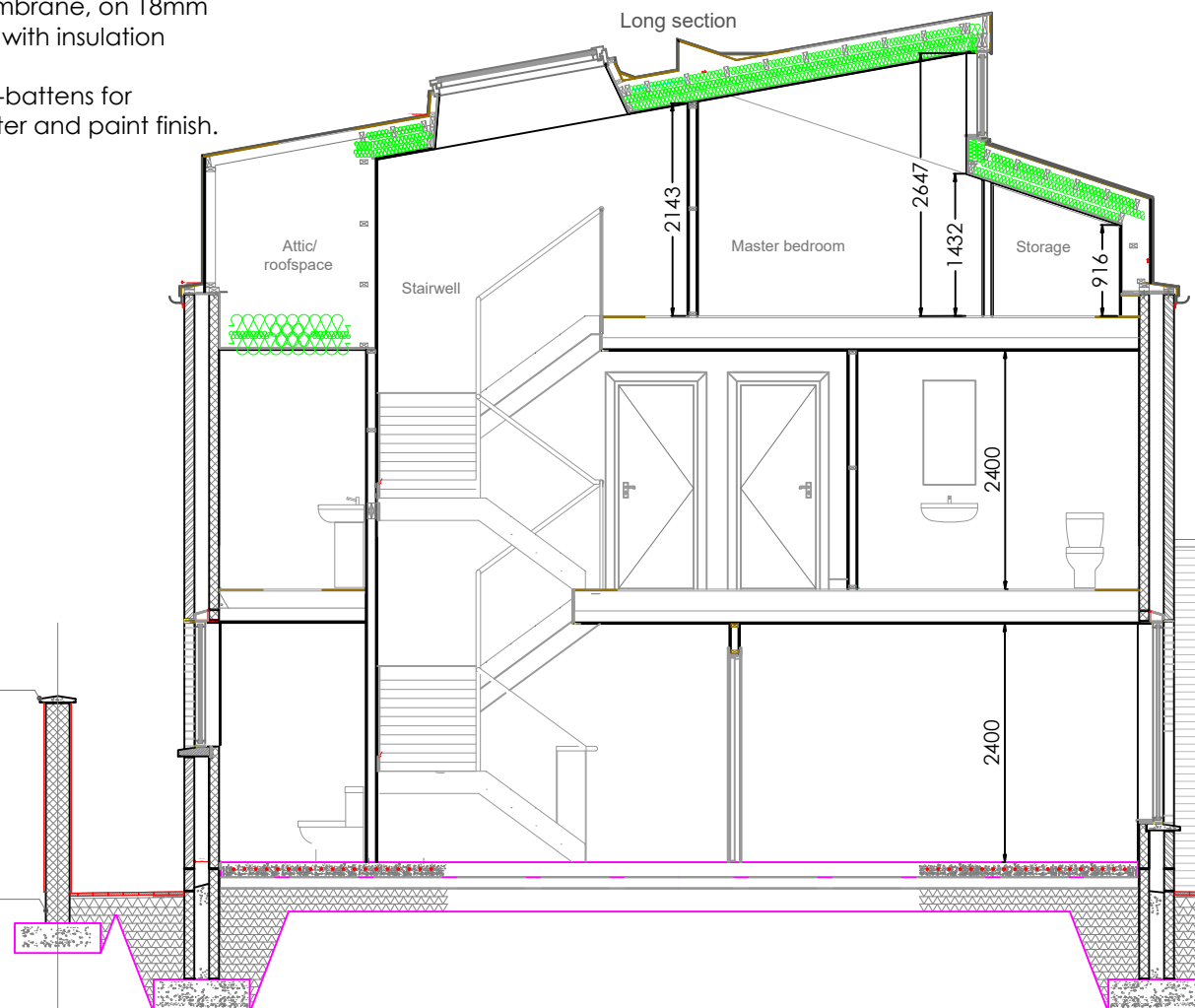
Doorsets (doors + frames) off the Corridor and stair landings to be minimum FD30S fire doorsets.

**Stairs:**  
Precast concrete stairs. Stair thread & handrail to be confirmed by the client.

**First Floor:**  
Selected flooring, on 50mm self levelling screed (covering u/f heating pipes if being installed), on 30mm rigid insulation, on 150/200mm precast floor slabs, with 100-150mm service void below (depth depending on services needed), 2no layers plasterboard to achieve 30/60min fire rating, with plaster and paint finish.

Supply and install capping and apply rendered finish in accordance with planning conditions

Build 1.8 m high 215mm concrete block boundary wall on 650x300mm wide strip foundation with 1no layer A393 mesh.



**Ground Floor:**  
Selected flooring, on 65mm screed covering u/f heating, on 150mm Xtratherm XT/UF insulation (or equivalent), on Radon Barrier, on raft foundation floor slab as per foundation detail, on well compacted hardcore placed in layers not exceeding 225mm in depth. Hardcore to be SR21 and comply with IS EN 13242.

Cross Section  
Scale 1:75



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ENGINEERING SERVICES

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job  
House 'B', Greenfield Road,  
Sutton, Co Dublin

client  
Stephen Lonergan

title  
Sections

date 25.11.22	drawn by L.Beggy	scale 1:75 @ A2
dwg no. 1247-01-006	rev no. -	reference -