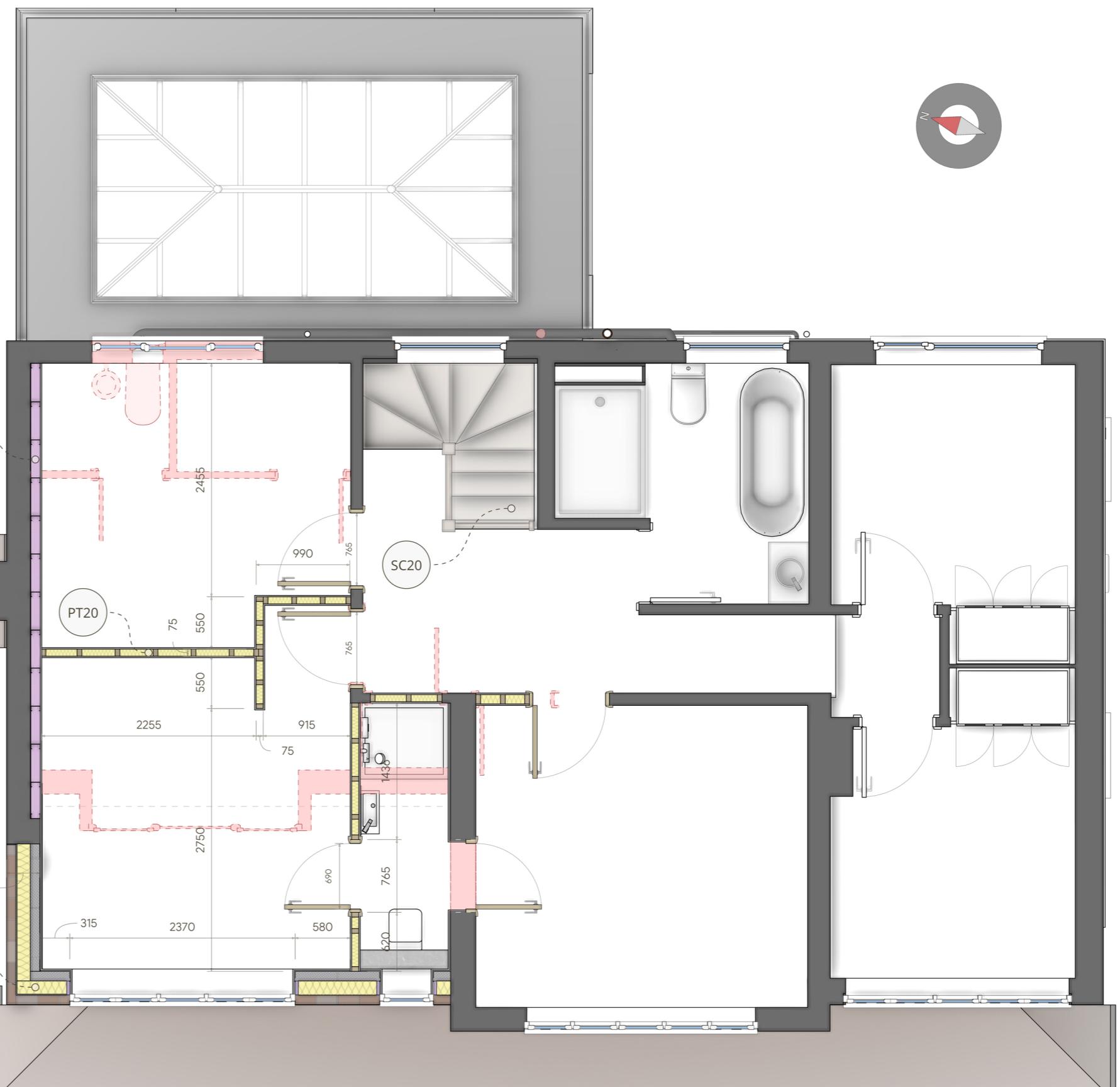


<b>WU10</b>	<b>Exterior Wall Insulation Retro-fit</b>
1. Existing Structure	
1.1. Substrate	Existing walls consist of single-skin 102.5mm facing brickwork. Ensure substrate is sound, flat, and free of defects. Remedy irregularities with a parget coat if necessary.
1.2. Internal Finish	Assumed 12.5mm plasterboard on dabs with 3mm skim for U-value calculations.
2. Exterior Insulation	
2.1. Material	Phenolic Foam
2.2. Product	Kingspan Kooltherm K5 or equivalent, $\lambda \leq 0.020 \text{ W/mK}$ .
2.3. Thickness	100mm
2.4. Fixing Method	Bond insulation directly to the substrate using a Cementitious Adhesive Such as Weber Multi Adhesive. Apply adhesive in continuous beads or dabs to a thickness of 3-5mm as per adhesive manufacturer's instructions.
2.5. Additional Fixings	Supplement adhesive with mechanical fixings, using Stainless Steel Insulation Anchors (e.g., Fischer TermoZ 8U, Ejet), minimum 6 fixings per board.
2.6. Fire Rating	Euroclass C-s1, d0 under BS EN 13501-1.
8.1. Substitutions	Alternative products must meet or exceed thermal and fire performance criteria.
2.7. Accreditations	CE Marked and BBA Certified.
3. Basecoat & Mesh	
3.1. Material	Polymer-modified basecoat such as Weberend LAC
3.2. Thickness	Apply basecoat at 6-8mm thickness over insulation.
3.3. Mesh Reinforcement	Embed Alkali-resistant Fiberglass Mesh fully into the wet basecoat. Ensure a minimum overlap of 100mm at mesh joints.
4. Topcoat Render	
4.1. Product	Silicone Based Render - Weber Monocouche
4.3. Finish	"Chalk" or "Silver Pearl" Client To Confirm Subject To Sample Approval
4.2. Thickness	12-15mm applied over the cured basecoat.
5. Damp-Proofing & Ventilation	
5.1. Important	Maintain 150mm clearance from finished ground level. Ensure base of installation finishes at the existing damp-proof course (DPC) Level.
5.2. Detail Insulation	Return insulation and render around reveals, sills, and corners.
5.3. Sealant Application	Use flexible sealants at all joints, trims, and abutments to ensure airtightness.
6. Compliance & References	
6.2. Moisture Control	Conforms to BS 5250 for condensation control.
6.3. Phenolic Insulation	Certified to BS EN 13166.
6.4. Render Systems	Installed per manufacturer's guidance and BS EN 13914-1.
8. Part-L Compliance	
8.1. Part L Requirement	0.280 W/m²K - Backstop Value For Renovations - Approved Document L1B (2022 updates)
8.2. Our Value	0.185 W/m²K - ✓ U-Value Achieved ✓ - Meets Part L backstop requirement

<b>PT20</b>	<b>Internal Studwork Partition - (w105 mm)</b>
1. Timber Stud Spec	
1.1. Dimensions	75mm x 38mm
1.2. Material	Kiln-dried softwood
1.3. Critical Info	Ensure timber is treated to resist moisture and pests.
1.4. Accreditations	CE marked; FSC certified
2. Insulation Layer	
2.1. Thickness	75mm
2.2. Material	Acoustic mineral wool
2.3. Product	Rockwool Sound Insulation Slab or equivalent
2.4. Critical Info	Fit tightly between studs to avoid gaps; ensure full coverage for optimal sound insulation.
2.5. Note	Must comply with Part E requirements for resistance to the passage of sound.
2.6. Accreditations	CE marked; BBA certified
3. Plasterboard Layers	
3.1. Thickness	12.5mm
3.2. Material	Gypsum plasterboard
3.3. Product	British Gypsum Gyproc WallBoard or equivalent
3.4. Critical Info	Fix securely to timber studs with appropriate screws (35mm drywall screws recommended).
3.5. Note	Ensure plasterboard joints are staggered and taped.
3.6. Note	Line both sides of the studwork with plasterboard.
3.7. Accreditations	CE marked; complies with BS EN 520:2004+A1:2009
4. Finishing Layers	
4.1. Thickness	3mm
4.2. Material	Multi-finish plaster
4.3. Product	British Gypsum Thistle MultiFinish or equivalent
4.4. Critical Info	Apply skim coat evenly to achieve a smooth finish suitable for painting or wallpapering.
4.5. Note	Ensure all joints and screw heads are adequately covered.
4.6. Note	Finish both sides of studwork with plaster skim coat.
4.7. Accreditations	CE marked; complies with BS EN 13279-1:2008
5. Compliance & Accreditation	
5.1. British Standards	BS EN 520:2004+A1:2009 - (Gypsum plasterboards); BS EN 13279-1:2008 - (Gypsum binders and gypsum plasters)
5.2. Building Regulations	Approved Document E (Resistance to the passage of sound)
5.3. Quality Assurance	Ensure materials are installed as per CE marking requirements and manufacturer guidelines.



<b>WU20</b>	<b>Interior Northern Wall Insulation Retro Fit</b>
1. Existing Wall	
1.1. Substrate	9" (Approx 225mm - 235mm) solid brickwork. Check for damp or structural defects before application.
1.2. Preparation	Remove existing plasterwork from brickwork internally; Client To Confirm
2. Phenolic Insulation	
2.1. Material	100mm Phenolic Foam (e.g., Kingspan Kooltherm K5 or equivalent) - $\lambda \leq 0.020 \text{ W/mK}$
2.2. Fixing to Substrate	- 5mm Cementitious Adhesive (Continuous beads/dabs) - Plus Mechanical Fixings (e.g., stainless steel mushroom anchors, ~6 fixings per board).
2.3. Accreditations	Must be CE Marked and BBA Certified.
2.4. Fire Rating	Euroclass C-s1, d0 under BS EN 13501-1.
2.5. Sealing & Airtightness	Seal all perimeter gaps, board joints, and penetrations with flexible sealant or foil tape to maintain airtightness and minimise vapour transition to the insulation dew point.
3. Metal C-Stud System	
3.1. Stud Profile	100mm Galvanised Metal C-Studs at recommended centres (commonly 400mm or 600mm). Fix head and base tracks securely to ceiling/floor.
3.2. Dimensions	w100mm x d50mm   Min 10mm Flange Lip - Min 2mm Gauge
3.3. Insulation Interface	Notch the ends of the phenolic insulation into the C-Studs to reduce cold bridging; Ensure all gaps are taped to ensure air tightness.
3.4. Bridging Effect	Any bridging is minimal due to thin steel sections and partial notching of insulation. Further area-weighting can be applied if required by the Building Control Officer.
3.5. Compliance	Studwork must be Manufactured to British Standards BS 7364 and EN 14195
4. Plasterboard Finish	
4.1. Plasterboard	12.5mm board + 3mm skim (Total: ~15.5mm). Fix boards to the C-Stud framing with self-tapping drywall screws.
4.2. Vapour Control	Phenolic insulation typically foil-faced. Maintain continuity by taping or sealing board edges and studs.
4.3. Services & Attachments	Run services within the stud cavity if needed. Heavier fixings (radiators, cabinets) must anchor to studs or backing plates.
4.4. Airtightness	Seal all board junctions, perimeters, and service penetrations. Use mastic or tape to maintain continuity.
5. Detailing & Moisture	
5.2. External Envelope Checks	Ensure external pointing is sound, roof eaves maintained, and DPC intact.
5.3. BS 5250 Compliance	Provide adequate ventilation if necessary and ensure no trapped moisture behind the insulation.
6. Part L Compliance	
6.1. Required U-Value	0.280 W/m²K (Refurbishment, Approved Doc L1B 2022)
6.2. Achieved Value	0.181 W/m²K - ✓ U-Value Achieved ✓ - Exceeds Part L requirement

<b>SC20</b>	<b>Staircase Removal &amp; Replacement</b>
1. Scope	Removal of existing staircase and installation of new, flipped (handed) staircase.
2. Tasks	- Remove existing staircase safely, avoiding damage to surrounding structures. - New staircase orientation to be confirmed via manufacturer's site survey. - Ensure fixing locations align with existing structural framework.
3. Structural Notes	- Trimming of floor structure to be designed by others (staircase contractor and client). - Floor opening edges to be reinforced if required.
4. Installation	- Ensure staircase meets Part K - Protection from Falling of Building Regulations. - Provide adequate handrails and balustrading per BS 5395-1:2010.

PL01 | Proposed First Floor Plan

Printed Scale Factor | 1mm : 50mm | Scale Valid When Printed At : ISO 216 A