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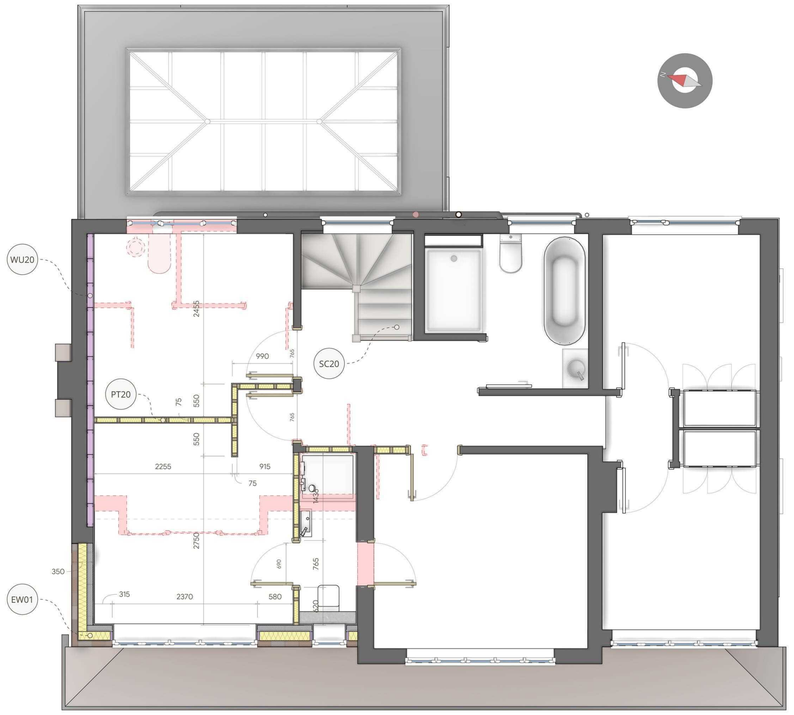
WU10	Exterior Wall Insulation Retro-fit
1. Existing Structure	
1.1. Substrate	Existing walls consist of single-skin 102.5mm facing brickwork. Ensure substrate is sound, flat, and free of defects. Remedy irregularities with a parge coat if necessary.
1.2. Internal Finish	Assumed 12.5mm plasterboard on dabs with 3mm skim for U-value calculations.
2. Exterior Insulation	
2.1. Material	**Phenolic Foam**
2.2. Product	**Kingspan Kooltherm K5** or equivalent, **λ ≤ 0.020 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, Ejot), 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 instalation 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

WU20	Interior Northern Wall Insulation Retro Fit
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) **– λ ≤ 0.020 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

PT20	Internal Studwork Partition - *(w105 mm)*
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.

SC20	Staircase Removal & Replacement
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

00 01 02 03 04 05

Printed Scale Factor | 1mm : 50mm

Scale Valid When Printed At :: ISO 216 A