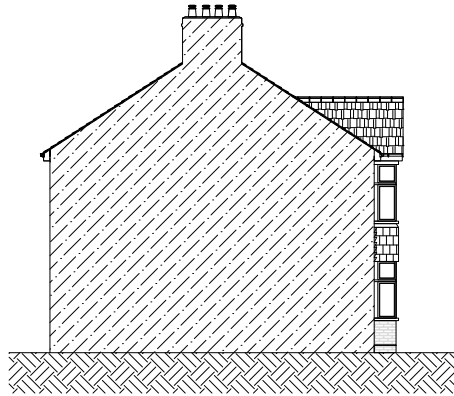
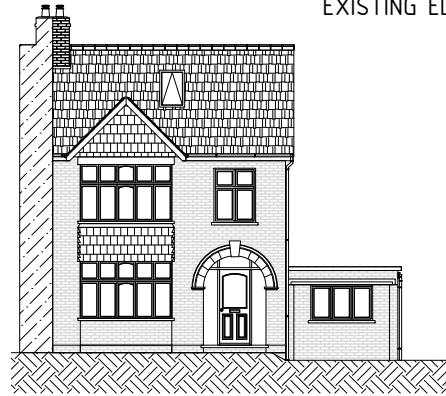


# EL Existing and Proposed elevation 1:100@A4

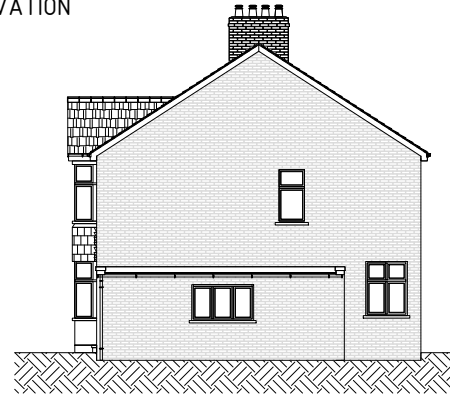
## EXISTING ELEVATION



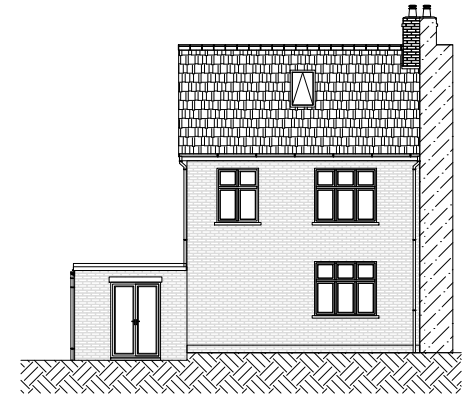
SIDE ELEVATION (Pantry wall) (South)



FRONT ELEVATION (East)

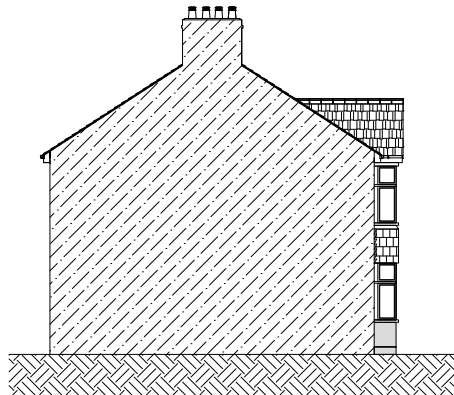


SIDE ELEVATION (North)

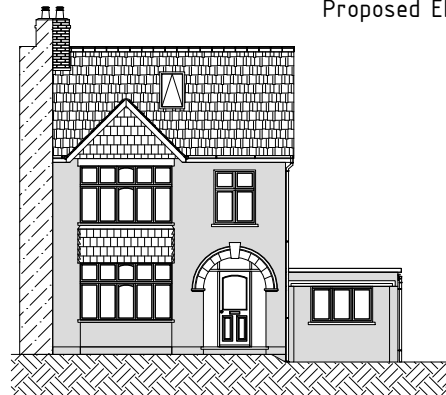


REAR ELEVATION (West)

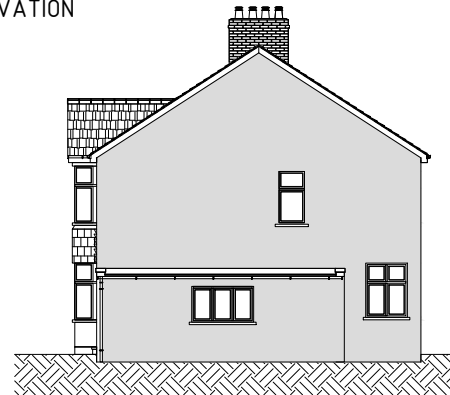
## Proposed ELEVATION



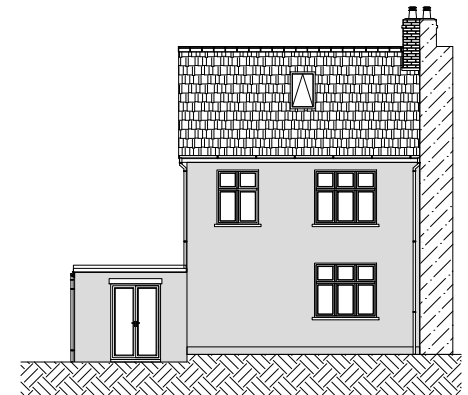
SIDE ELEVATION (Pantry wall) (South)



FRONT ELEVATION (East)



SIDE ELEVATION (North)



REAR ELEVATION (West)

### Proposed External insulation system System

To achieve significant energy savings and streamline regulatory compliance, the proposed system involves the installation of a mineral-based External Wall Insulation (EWI) system. This system, specifically the External Thermal Insulation Composite System (ETICS), will be applied to the external walls of the current dwelling. By enhancing insulation on exterior walls, this approach not only boosts a building's thermal performance but also translates into lower energy bills and increased indoor comfort for homeowners.

The system will be fully certified and will have valid BBA or ETA approval. This confirms its suitability, durability, and performance for residential properties in the UK climate.

The insulation layer will use either graphite-enhanced EPS or mineral wool boards. These will be mechanically fixed and adhesively bonded to the existing walls, as specified by the manufacturer. The insulation will be 90-120 mm thick, subject to final thermal calculations. This thickness is expected to achieve a U-value of approximately 0.25 W/m<sup>2</sup>K, ensuring compliance with current building regulations. The anticipated improvement in thermal efficiency aims to enhance the dwelling's Energy Performance Certificate (EPC) rating by at least one band, subject to verification.

A reinforced base coat incorporating an alkali-resistant glass fibre mesh (a mesh made from glass fibres that resists alkaline environments, improving durability) will be applied to provide impact resistance and long-term durability.

The final finish will be a mineral or silicate render for breathability and a matt look. The render will have a light, natural texture with a grain size of 1.5-2.0 mm, avoiding a uniform or artificial appearance.

The investor's preferred render colour is light grey. However, the applicant is flexible and open to other neutral tones if the Local Planning Authority prefers a different shade. The final colour will be agreed with the Planning Officer for a suitable visual outcome.



EXISTING FRONT ELEVATION (East)



PROPOSED FRONT ELEVATION (East)

<p>This drawing shall be treated as confidential by the contractor upon its completion of work, to the extent that any disclosure, reproduction, or other use of the drawing is prohibited, except as may be required by law. The contractor shall be responsible for ensuring that the drawing is not disclosed to any third party without the written consent of the designer. Any disclosure shall be treated as a breach of contract. The contractor shall be responsible for ensuring that the drawing is not disclosed to any third party without the written consent of the designer. Any disclosure shall be treated as a breach of contract.</p>	
<p>DESIGNER: <b>Existing and Proposed Elevation</b></p>	
<p>BY: <b>8 Wether Avenue, Southgate, DN11 7DU</b></p>	
<p>DATE: <b>15/12/2023</b> DRAWING NO: <b>EWI_C01_01</b></p>	
<p>SCALE: <b>1:100</b> SHEET: <b>1/1</b></p>	
<p>These drawings are created exclusively for use by the contractor and are not to be used for any other purpose. The contractor shall be responsible for ensuring that the drawing is not disclosed to any third party without the written consent of the designer. Any disclosure shall be treated as a breach of contract. The contractor shall be responsible for ensuring that the drawing is not disclosed to any third party without the written consent of the designer. Any disclosure shall be treated as a breach of contract.</p>	
<p>Issued for Building Regulations submission only. Not for construction or material ordering. The Principal Contractor is responsible for site measurements, construction drawings, and safe execution of the works.</p>	

