

Partially build up existing window opening as shown. Use brickwork outer leaf to match existing, 100mm blockwork inner leaf with full fill mineral wool cavity insulation. Thickness of insulation to be confirmed once cavity width is known.

Insert Catnic CG insulated lintel over the opening. Size of lintel to be confirmed once cavity wall thickness is known.

Broken lines indicate existing internal loadbearing wall to be partially removed. Structural engineer to design and calculate support steelwork beams and associated padstones.  
Thick red lines indicate steelwork.

Broken lines indicate existing side and rear cavity wall to be partially removed.  
Structural engineer to design and calculate support steelwork beams and associated padstones.  
Goal post frame to be designed by structural engineer for removal of rear cavity wall.  
Thick red lines indicate steelwork.

New door opening formed. Insert PCG-Naylor lintel over opening.

Step down to garage/store to be achieved by not using insulation and screed in garage, giving a minimum 150mm step down.

New 100mm blockwork wall built off own foundation to be lined internally with the following:

- 100x50mm timber studs fixed through DPM to wall.
- 75mm Mannok Thermwall MW between studs then fix 50mm Mannok Thermwall MW across studs.
- Line with 12.5mm plasterboard and 3mm skim coat.
- To achieve U-Value of 0.18W/m<sup>2</sup>K.

Structural engineer to detail 440mm pier and prove that the lateral stability complies with Part A of the building regulations.

New Upvc gutters to connect into new 75mm Upvc rainwater pipe then into new back inlet gully. Drains to connect into new drainage run. Existing drainage run to be confirmed and exposed during excavations for extension.

Catnic CG insulated steel lintel inserted over new door opening.

The diagram is a detailed architectural floor plan of a lounge area. It features a large, L-shaped sofa with multiple rectangular cushions. A red dashed line indicates a structural boundary or a specific design feature. A red box labeled "Velux Roof Window Over" is positioned above the sofa. The plan includes dimensions: "5669" for the width of the sofa area and "5110" for the depth of the lounge area. A vertical dimension line on the right side indicates a height or depth of "5110". The plan also shows a section of the building's exterior wall with a roofline and a section of the interior wall with a door. The text "Family" is written in a bold, sans-serif font. The text "Lounge" is written in a bold, sans-serif font. The text "Indicate existing internal wall to be removed to give a lounge." is written in a smaller, sans-serif font. The text "Engineer to design and calculate work beams and associated" is written in a smaller, sans-serif font. The text "s indicate steelwork." is written in a smaller, sans-serif font.

Broken lines indicate existing internal loadbearing wall to be removed to give a larger front lounge.  
Structural engineer to design and calculate support steelwork beams and associated padstones.  
Thick red lines indicate steelwork.

**● HD** Indicates heat detector.  
**● SD** Indicates smoke detector.  
**FD30** 30min fire door.

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JOB TITLE : Extension And Alterations  
ADDRESS : 11 Rhos Avenue, Alkington  
DRAWING TITLE : Proposed Ground Floor Plan  
SCALE : 1:50 @ A3  
DRAWN : xxx DATE : 02.09.25

JOB NO./  
DWG NO.

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