

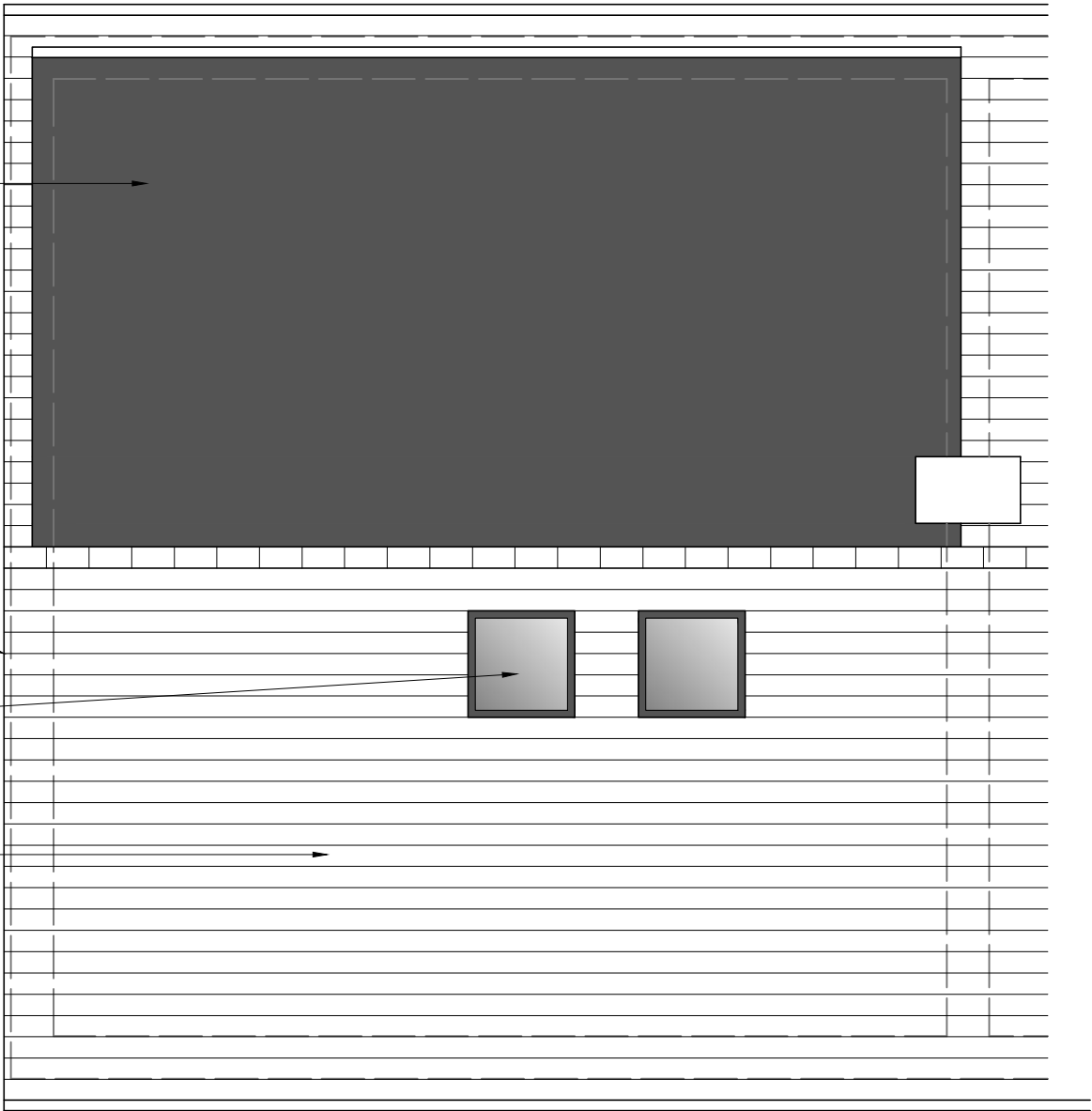
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Cold flat roof to be constructed in single ply rubber membrane waterproof top layer, 18mm plywood deck, on 50x50mm cross battens for cross flow ventilation, on C24 roof joists at 400mm centres.
Kingspan Kooltherm K107 insulation between roof joists leaving a min. 50mm airgap above insulation. Roof joists underdrawn with 72.5mm Kingspan Kooltherm K118 insulated plasterboard.
To give a U-Value of 0.15w/m²
Roof joists to be designed by Structural Engineer.

Existing soil pipe to extend a minimum 900mm above new Velux rooflight.

Velux roof windows to be fitted to manufacturers instructions. Trim opening using doubled up rafters.

Add timber battens to run with underside of existing rafters, to increase depth of existing rafters, to allow for substantial thickness of insulation between rafters. Insulation to existing pitched roof to allow for minimum 50mm air gap above 100mm Recticel Eurothane GP insulation between rafters and 60mm Recticel Eurothane insulation between timber battens, then a vapour barrier and 12.5mm plasterboard.
Insulation to continue down to eaves level, to give a warm storage area.
U value of roof = 0.15W/m2K.



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JOB TITLE : Dormer Loft Conversion
ADDRESS : 105 Warwick Road, Alkrington
DRAWING TITLE : Proposed Roof Plan
SCALE : 1:50 @ A3
DRAWN : xxx DATE : 14.05.26

JOB NO./ DWG NO. 545-110A