

Existing Roof Plan
Scale 1:500

Building Warrant Notes:

Roof Re-Cladding

Existing building was designed to be heated.

Existing roof covering to be stripped retaining only the structural steel portal frame, purlins and the external canopy over the store entrance to the west elevation.

Existing coverings:

The existing covering comprises a **40mm thick** PVC coated steel composite panel, with built-up twin-skin GRP rooflights, aluminium box gutters and rainwater downpipes.

Proposed coverings:

New roof cladding over all internal areas to be Kingspan QuadCore KS1000RW trapezoidal profiled composite panels, 0.5mm thick PVC coated steel external finish, 0.4mm white polyester coating internal finish with a **120mm thick** insulation core. All side and end laps sealed using construction tape. Kingspan QuadCore Roof Panels are classified B-s1,d0, when tested on the internal face of the product, according to the European Reaction to Fire classification system (Euroclasses) BS EN 13501-1: 2007+A1: 2009.

This make up has a thermal transmittance of 0.15W/m² K.

New rooflights to be Brett Martin Trilite Ultra 45 Energysaver FAIR triple skin sealed non-fragile GRP Superlife weather sheet SAB/3 air gap, 120mm thick, inner sheet Class 1 SAA 4.5kg/m² over 1.83kg/m².

Rooflight positions are indicative and will not exceed 20% of the roof area.

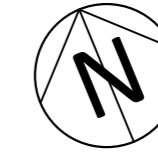
Both the Kingspan Quadcore panels and the Brett Martin Trilite rooflights proposed achieve a low vulnerability rating of BROOF(t4) to BS EN 13501-5: 2016.

The overall roof area remains unchanged.

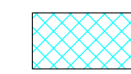
Box gutters to be relined with 0.7mm thick PVC coated steel connecting to existing rainwater outlet and downpipe positions, laid with a separator membrane.

Roof smoke vents retained and unchanged.

New roof access fixed ladder proposed at the east end of the south elevation provided with an aluminium hinged security door and constructed in accordance with BS 5935: Part 3: 1985 or BS 4211: 2005.



Notes:



Denotes rooflight locations (unchanged).



Denotes smoke vent locations (unchanged).

Rev	Date	Revision Description	Initials

Purpose of Drawing:
Building Warrant

Client Name:
Booker

Project Name & Address:
**154 Craighall Road
Glasgow
G4 9TD**

Drawing Title:
Existing & Proposed Roof Plan

Drawing Ref:

Drawing No:	BW101	Revision No:	-
Scale:	1:500 @ A2	Date:	28.11.23
Drawn By:	CAW	Checked By:	CAW



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