

NOTES

2 NUMBER REQUIRED

GLASS SPEC:
OUTER : 8mm HST TOUGHENED GLASS + SKN175 SOLAR CONTROL + RITEC EASYCLEAN COATING
CAVITY : 16mm ARGON FILLED + WARM EDGE SPACER + SILICONE BONDED
INNER : 9.5mm HEAT STRENGTHENED LAMINATED GLASS + LOW E COATING + GROUND EDGES
+ BLACK BORDER TO FACE 4

RGR HIGHLY RECOMMENDS A CWCT CLASS 1 OR CLASS 2 NON-FRAGILE OPTION FOR MOST ROOFLIGHTS

BORDER SHOWN IS OPTIONAL TO COVER GLAZING FRAME. OTHER DIMS AVAILABLE UPON REQUEST.

LIGHT TRANSMISSION = 66.7 %
CENTRE PANE U VALUE = 1.0 W/m².K
SOLAR G VALUE = 0.3471
GLASS ACOUSTIC REDUCTION = $R_w(C;Ctr) = 40(-2;-5)$ dB, STC = 40, OITC = 33.
WEIGHT = APPROX. 123 KG
PRODUCT Ud-VALUE = 1.4 W/m².K (v)

ROOFLIGHT ORDER SIZE = OVERALL FINISHED AND WEATHER KERB DIMS, INTERNAL OPENING SIZE IS NOT RELEVANT AT ORDER STAGE.

GLASS BONDED TO FRAME WITH GLAZING SECURITY TAPE.

KERB DETAILS SHOWN INDICATIVE DETAILED DESIGN BY OTHERS.

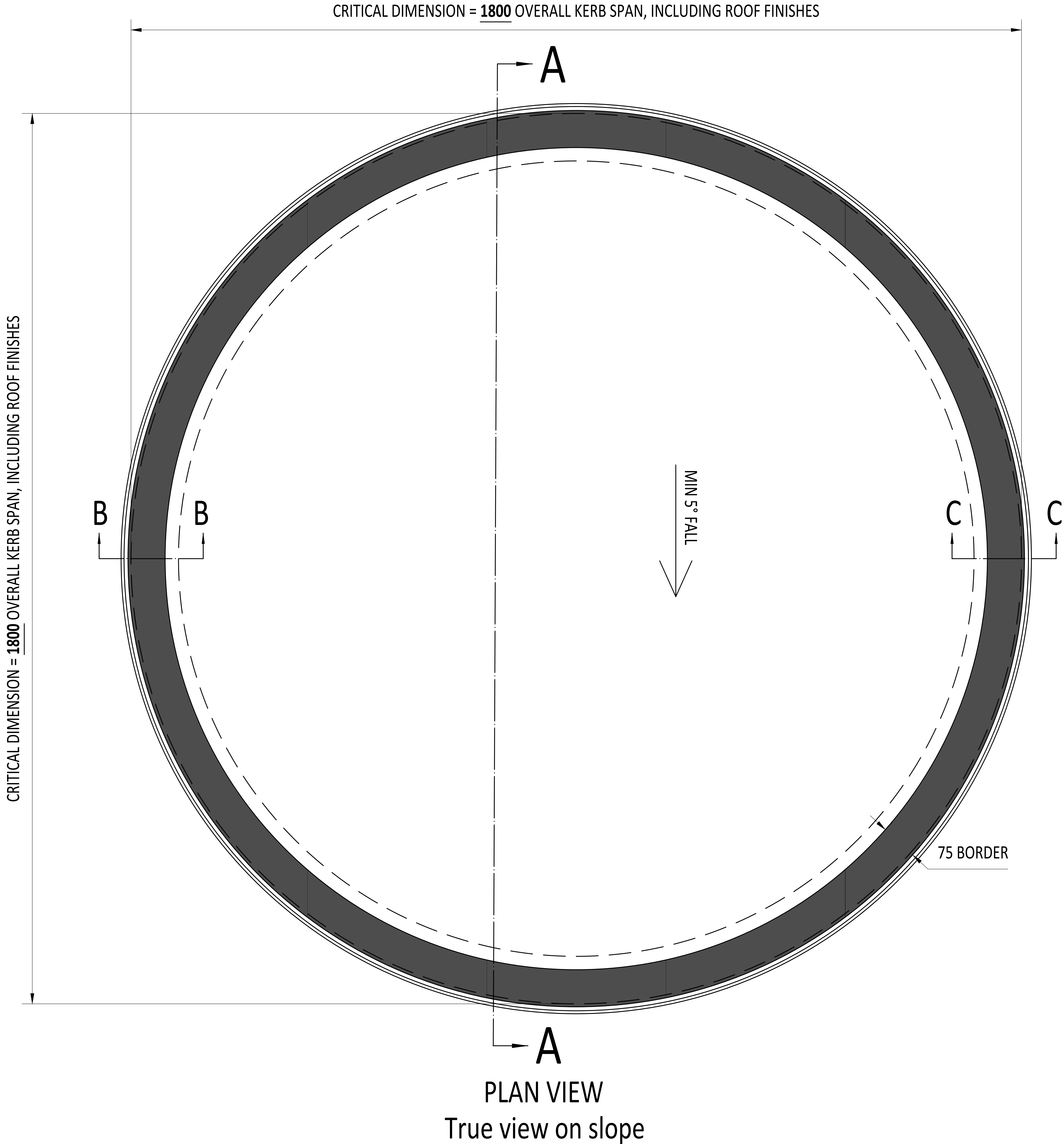
MIN. 5° FALL RECOMMENDED TO HELP SHED WATER. LARGER UNITS MAY REQUIRE STEEPER PITCHES. FINAL DECISION ON PITCH BY OTHERS.

HEAT STRENGTHENED LAMINATED GLASS WILL NOT FRACTURE DUE TO THERMAL STRESS CAUSED BY HEAT BUILT UP UNDER THE GLASS.

DESIGN LOADS: 750N/m² WIND 640N/m² SNOW AS STANDARD
OTHER LOADS TO BE SPECIFIED BY CLIENT.

INTERNAL FOAM TAPE IS ESSENTIAL TO CREATE THERMAL BREAK.

ROOFLIGHT WILL BE FORMED AS A PERFECT CIRCLE SO KERBS WILL NEED TO BE AS CIRCULAR AS POSSIBLE



CDM :HAZARD IDENTIFICATION - HANDLING MATERIALS

BE AWARE OF SHARP EDGES AND CORNERS WHEN HANDLING MATERIALS. MOST EDGES AND CORNERS WILL BE DEBURRDED BUT THERE IS STILL A SMALL RISK. WEAR APPROPRIATE PPE REQUIRED FOR THE TASK.

THE MHOR 1992 SET OUT A CLEAR RANKING OF MEASURES FOR DEALING WITH RISKS FROM MANUAL HANDLING, THESE ARE:

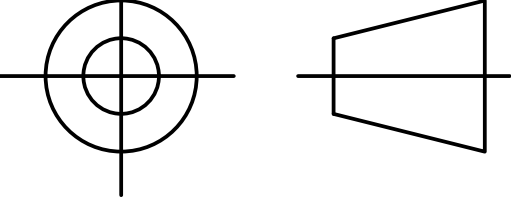
- FIRST** : AVOID HAZARDOUS MANUAL HANDLING OPERATIONS SO FAR AS IS REASONABLY PRACTICABLE;
- SECOND** : ASSESS ANY HAZARDOUS MANUAL HANDLING OPERATIONS THAT CANNOT BE AVOIDED; AND
- THIRD** : REDUCE THE RISK OF INJURY SO FAR AS IS REASONABLY PRACTICABLE.

HAND PROTECTION (MANDATORY) TO: BS EN 388:1994.

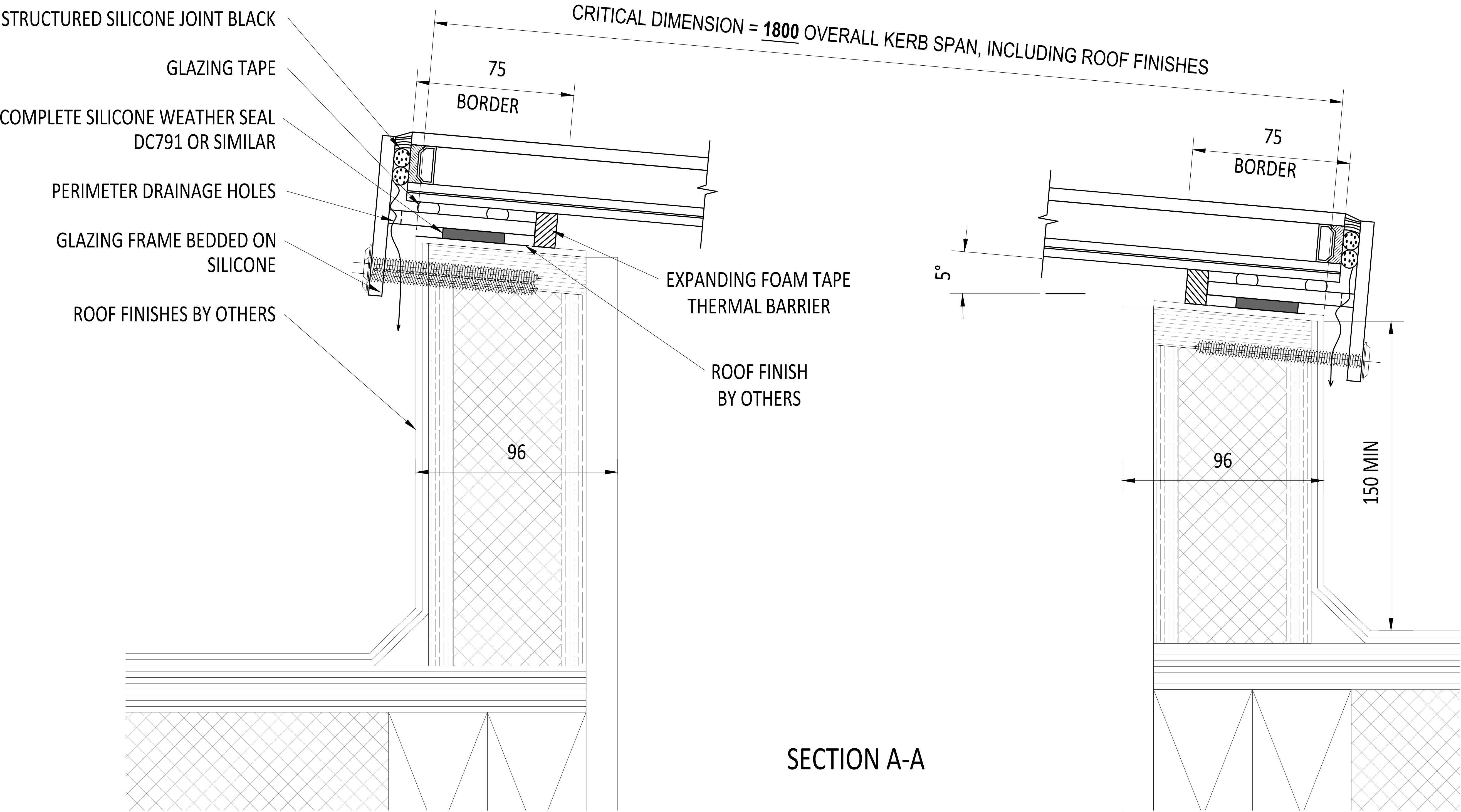
ROOFLIGHTS MUST ONLY BE INSTALLED BY COMPETENT CONTRACTORS.

UNLESS DESIGNED FOR CWCT CLASS 0 OR CLASS 1, DANGER OF DAMAGING GLASS IF IT IS WALKED UPON. IF GLASS IS CLASSED AS NON-FRAGILE IT SHOULD STILL NOT BE WALKED ON UNLESS DESIGNED SO. USE SPREADER BOARDS. REFER TO RISK ASSESSMENT FOR FURTHER DETAILS.

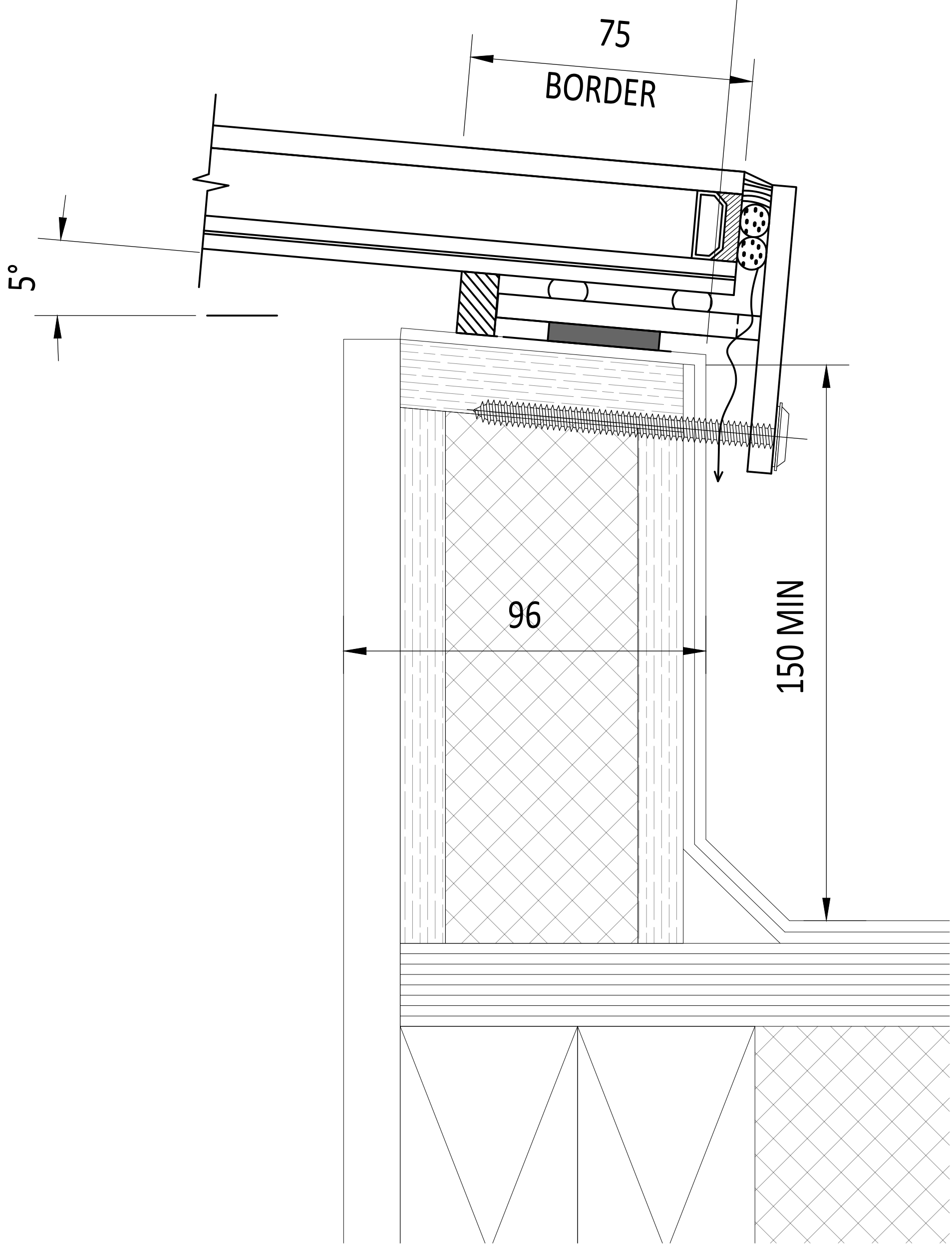
FALL FROM HEIGHTS DURING INSTALLATION.



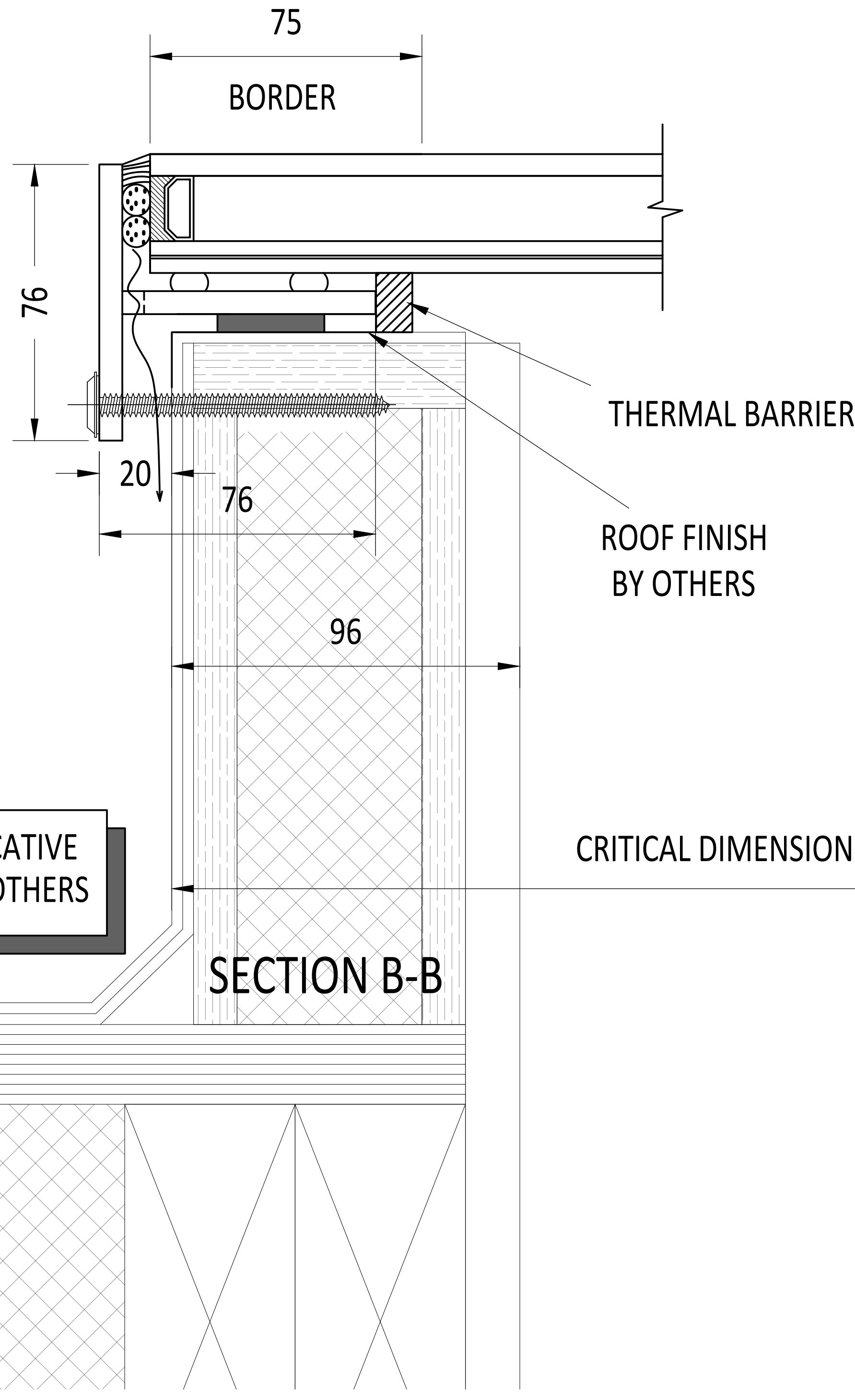
GENERIC 3D RENDER IMAGING OF ROOFLIGHT



SECTION A-A

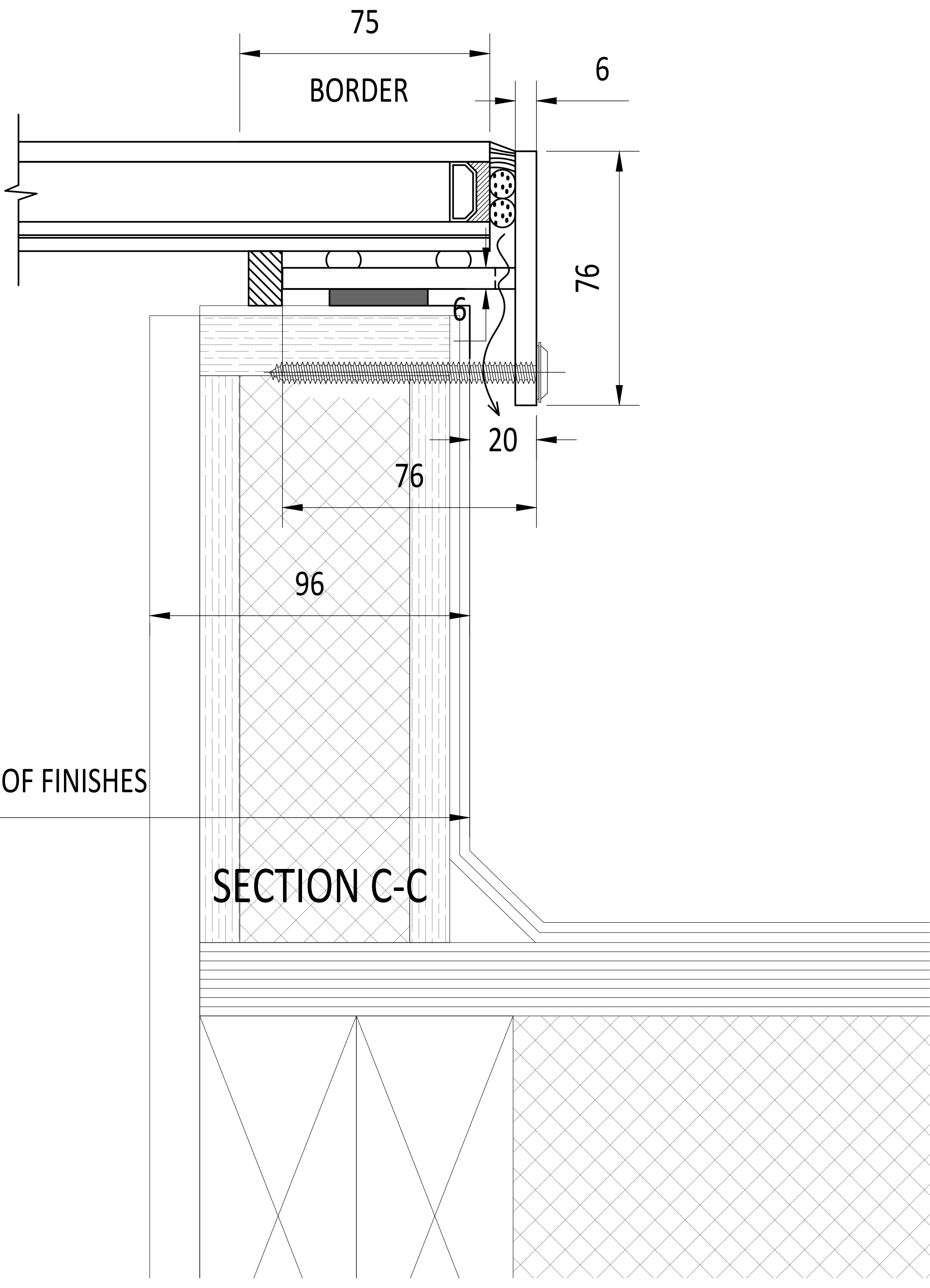


KERB DETAILS SHOWN INDICATIVE ONLY. DETAILED DESIGN BY OTHERS



SECTION B-B

CRITICAL DIMENSION = **1800** OVERALL EXTERNAL DIMENSION, INCLUDING ROOF FINISHES



SECTION C-C

IF IN DOUBT ASK
DO NOT SCALE

IT IS THE RESPONSIBILITY OF THE KERB DESIGNER TO ENSURE THE KERB WILL BE STRUCTURALLY ADEQUATE TO HOLD THE ROOFLIGHT. KERBS SHOWN ON THESE DRAWINGS ARE FOR ILLUSTRATION PURPOSES ONLY.

The manufacturer would advise an installation with a minimum pitch of 5° for rooflight units to minimize water pooling. Whilst the product can be installed flat without detriment to the warrantee, the manufacturer cannot be held responsible for any excessive pooling of water to the surface of the rooflight, post installation. If installed without an adequate fall, larger units may require a greater fall. The final decision on amount of fall required must be made by the client and relayed to the installer.

THIS DRAWING MUST NOT BE COPIED OR PASSED TO A THIRD PARTY WITHOUT WRITTEN CONSENT FROM THE MANUFACTURER.

CHECKED	R. P.
DATE	16-08-2024
DRAWN	D. P.
DATE	16-08-2024

TOLERANCE UNLESS OTHERWISE STATED	±5
DIMENSIONS IN	MM
SCALE	1:2, 1:4 @ A1

MATERIAL	ALUMINIUM + GLASS
FINISH	MARINE GRADE POLYESTER POWDER COATING COLOUR OPTIONS: RAL 7016 ANTHRACITE GREY or RAL 9005 JET BLACK 30 % GLOSS (MATT)

REV	AMENDMENTS	SIGNED	CHECKED	DATE

Roofglaze Rooflights Ltd,
11 Howard Road, Eaton Socon,
St Neots, Cambs, PE19 8ET
Telephone 01480 474797

TITLE: **FIXED FLATGLASS DIAMETER
11 & 12 Appledene Corner**

DRAWING N°: **RGRSO70539**

REV	ROOFGLAZE
SIZE	Lighting by nature™
A1	