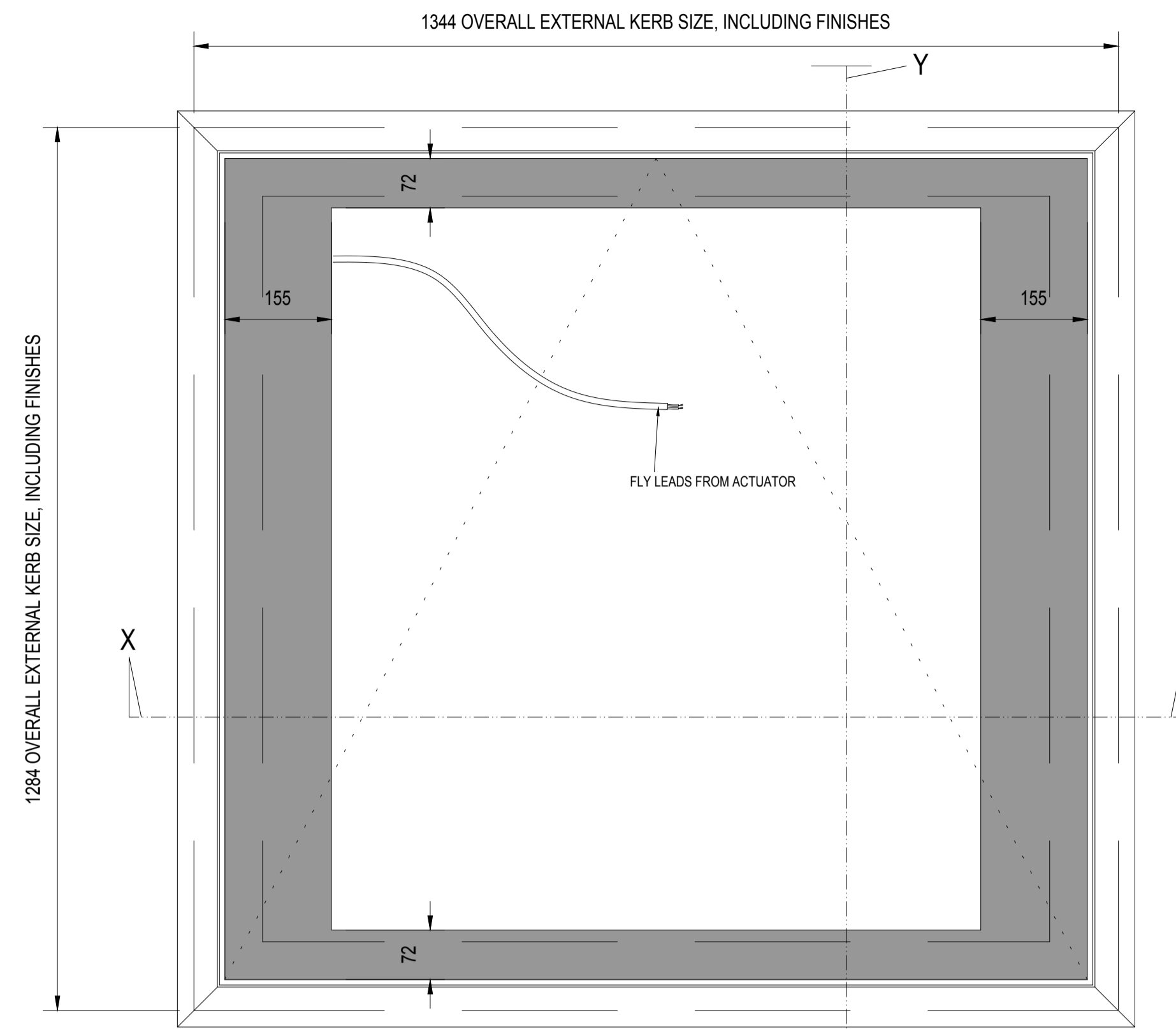


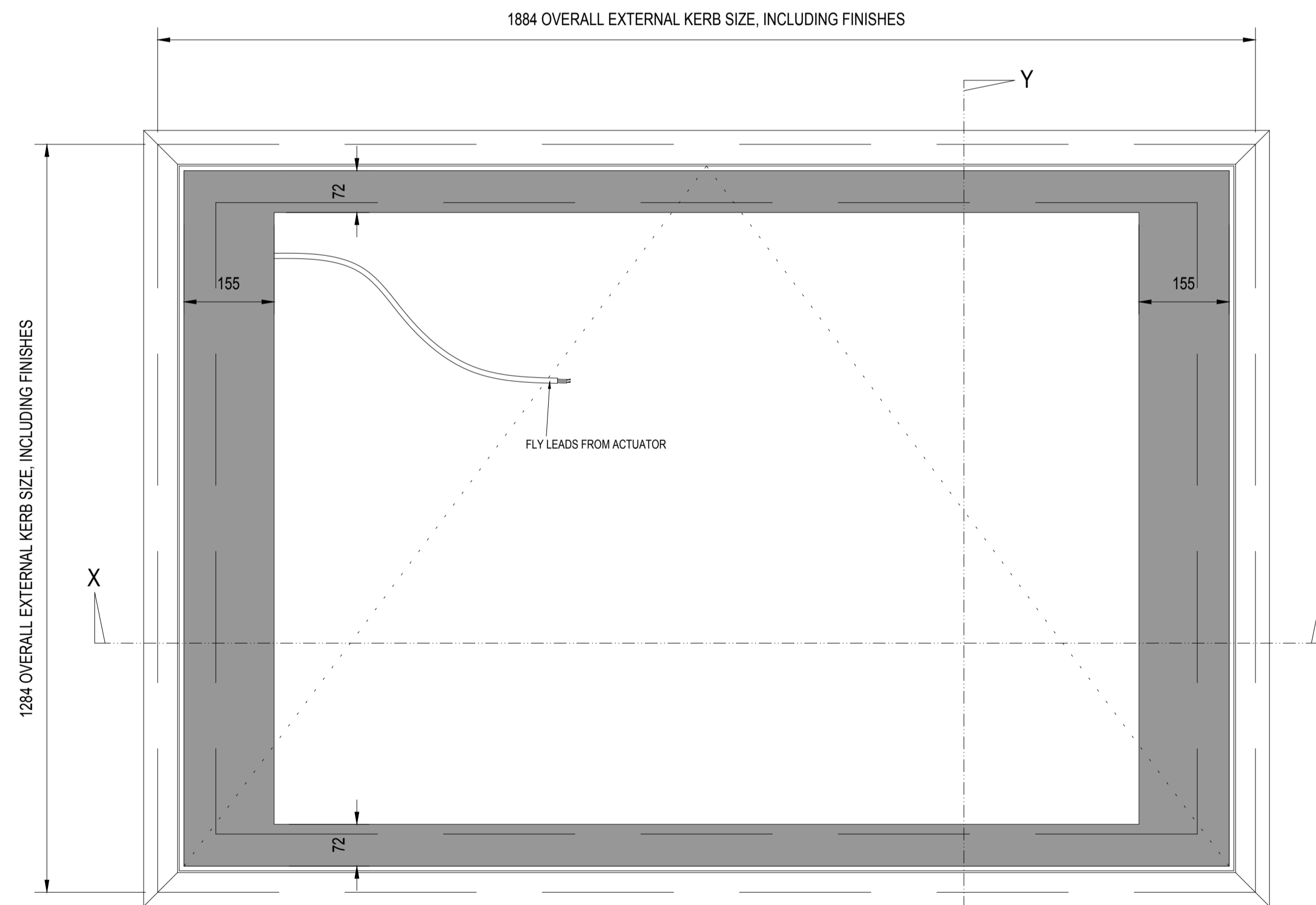
CDM :HAZARD IDENTIFICATION - HANDLING MATERIALS

BE AWARE OF SHARP EDGES AND CORNERS WHEN HANDLING MATERIALS. MOST EDGES AND CORNERS WILL BE DEBURROD 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.
DANGER OF DAMAGING GLASS IF IT IS WALKED UPON. GLASS IS CLASSED AS NON-FRAGILE BUT SHOULD NOT BE WALKED ON. USE SPREADER BOARDS.
REFER TO RISK ASSESSMENT FOR FURTHER DETAILS.

KERB CONSTRUCTION SHOWN INDICATIVE ONLY. DETAILED DESIGN BY OTHERS



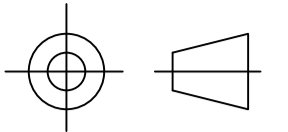
PLAN VIEW - 1m²



PLAN VIEW - 1.5m²

NOTES

X No. REQUIRED



GLAZING SPECIFICATION:

OUTER SKIN: 6mm CLEAR TOUGHENED GLASS
WITH SANDBLAST BORDER TO FACE 2 OR PAINT
CAVITY: 16mm ARGON FILLED + WARM EDGE SPACER
INNER SKIN: 6mm CLEAR HST TOUGHENED GLASS
WITH LOW-E COATING TO CAVITY FACE
SILICONE BONDED

SOLID TOP COMPOSITE INSULATED PANEL AVAILABLE.

STANDARD DESIGN LOAD = 750 N/m². (Please inform us if you require a higher load for wind etc.)

BORDER SHOWN AS STANDARD TO COVER GLAZING FRAME.
OTHER DIMS AVAILABLE UPON REQUEST. PAINT OPTION AVAILABLE ON TOUGHENED TOUGHENED DGU'S ONLY.

LIGHT TRANSMISSION = 78%

SOLAR G VALUE = 0.63

ACOUSTIC = 35 Rw dB

CENTRE PANE U VALUE = 1.1 W/m².K

PRODUCT U VALUE = AS LOW AS 1.3 W/m².K

KERB DETAILS SHOWN INDICATIVE DETAILED DESIGN BY OTHERS.

IF KERBS ARE MORE THAN 130mm THICK INCLUDING FINISHES, AN AIR CIRCULATION GAP MUST BE USED TO AVOID HEAT BUILD UP UNDER ANNEALED LAMINATED GLASS.

BS EN 12101-2 COMPLIANT TO RELEVANT ANNEX: ITT TESTING OF A NATURAL SMOKE AND HEAT EXHAUST VENTILATOR:

- ANNEX C: RELIABILITY TEST (RE 1000 CYCLES)
- ANNEX D: OPENING UNDER LOAD (SL250)
- ANNEX E: LOW AMBIENT TEMPERATURE T (00)
- ANNEX F: WIND LOAD (WL1500)
- ANNEX G: HEAT EXPOSURE TEST (B300)

COPY OF TEST REPORTS AVAILABLE.

FREE AIR DIMS:

- 1.0m²
- 1.5m²

ROOFLIGHT WEIGHT FOR 1m² = 121 kg
ROOFLIGHT WEIGHT FOR 1.5m² = 164 kg

OPENING TO 90° OR 140°.

FLY LEAD FROM MOTORS = 1m EXITING IN CORNER OF FRAME.

ROOFLIGHT KERB MUST BE NO MORE THAN 5° OUT OF PLANE TO MAINTAIN STATED FREE AIR AREAS.

CONTROL PANEL EMB7300 WITH BATTERY BACKUP. WIRING DETAILS AVAILABLE.

1.5m² UNIT HAS AN ELECTRIC LOCK THAT MUST BE WIRED INTO THE SP600 CONTROL PANEL.

**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 ROOFLIGHT SOLUTIONS' DRAWINGS ARE FOR ILLUSTRATION PURPOSES ONLY.

Rooflight Solutions 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, Rooflight Solutions cannot be held responsible for any excessive pooling of water to the surface of the rooflight post installation, if installed without an adequate fall.

THIS DRAWING MUST NOT BE COPIED OR PASSED TO A THIRD PARTY WITHOUT WRITTEN CONSENT FROM ROOFLIGHT SOLUTIONS

CHECKED
DATE
DRAWN
D. PUGH
DATE
06-03-18

TOLERANCE UNLESS OTHERWISE STATED ±5
DIMENSIONS IN
MM
SCALE
1:7 @ A1

MATERIAL
ALUMINIUM + GLASS
FINISH
POLYESTER POWDER COATING RAL T.B.C.

REV	AMENDMENTS	SIGNED	CHECKED	DATE



TITLE: **HINGED AOV FLATGLASS
EN 12101 COMPLIANT SMOKE VENT**

Rooflight Solutions
44 BERRY STREET, WOLVERHAMPTON, WV1 1HA.
Telephone: 0800 9997774. Email: sales@rooflightsolutions.co.uk
Web: www.rooflightsolutions.co.uk

DRAWING N°:
RG-80-311
SHEET 1 OF 3