

CDM :HAZARD IDENTIFICATION - HANDLING MATERIALS

BE AWARE OF SHARP EDGES AND CORNERS WHEN HANDLING MATERIALS. MOST EDGES AND CORNERS WILL BE DEBURRODED 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.

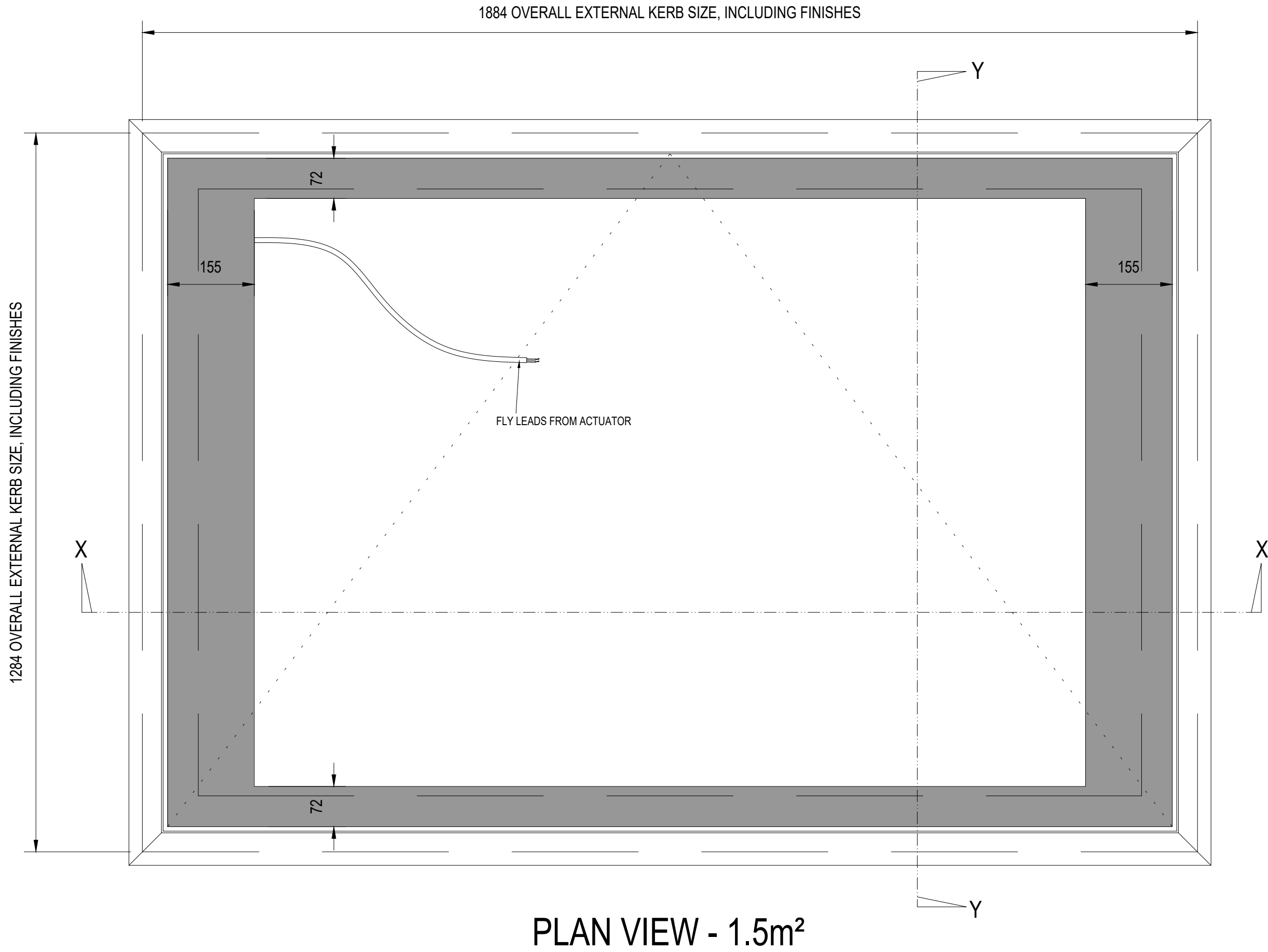
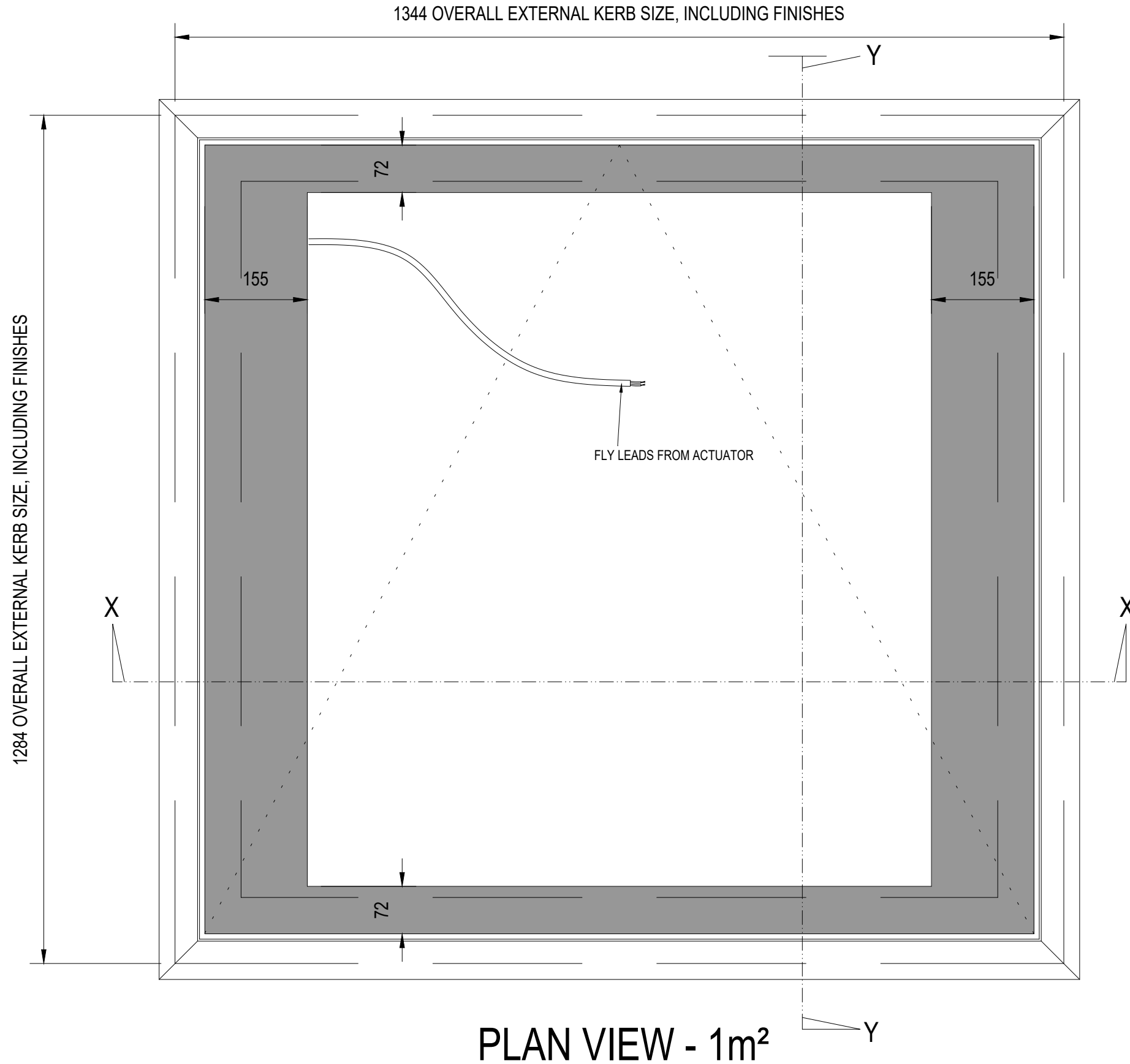
HAND PROTECTION (MANDATORY) TO: BS EN 388:1994.

ROOFLIGHTS MUST ONLY BE INSTALLED BY COMPETENT CONTRACTORS.

ANGER 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



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°.

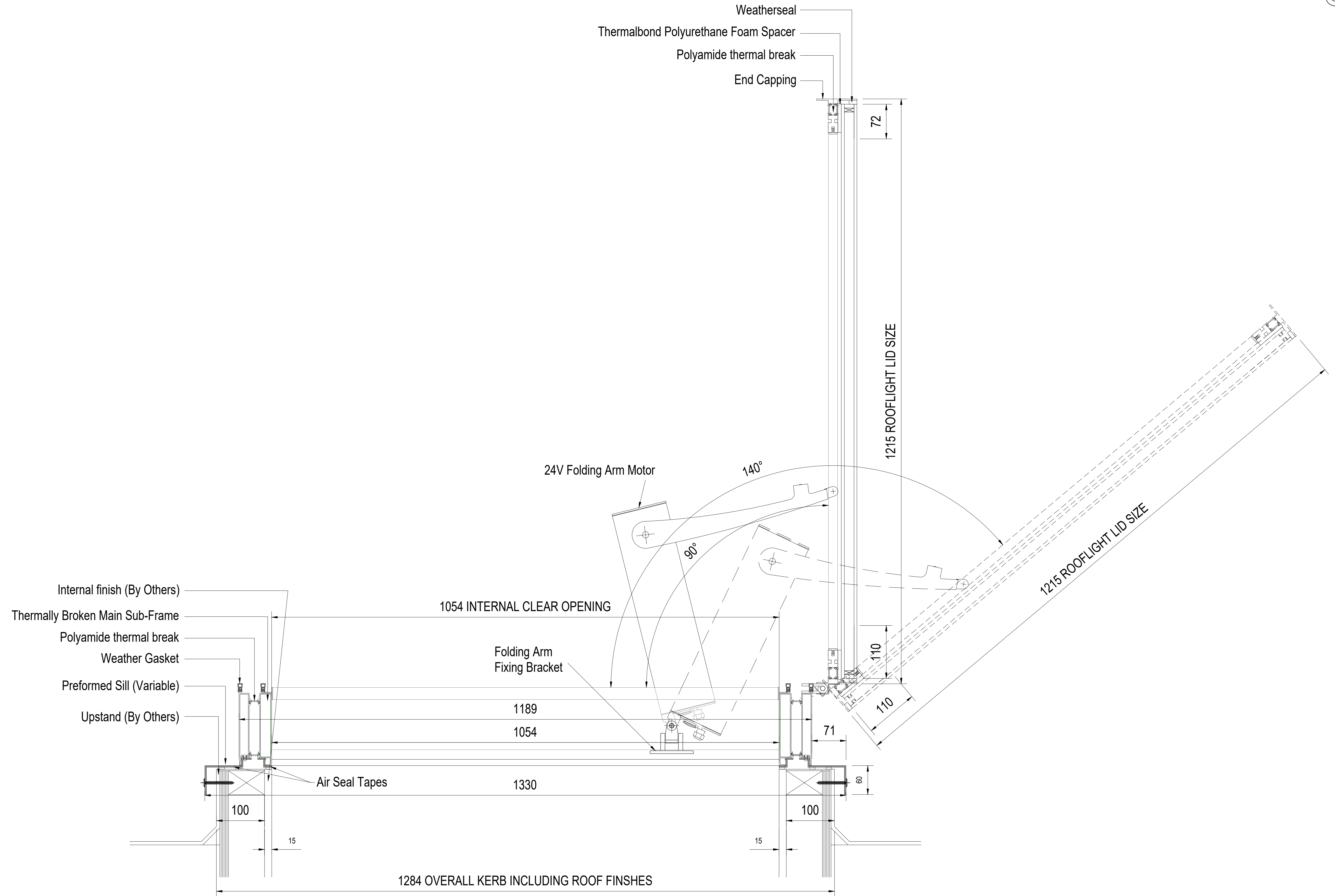
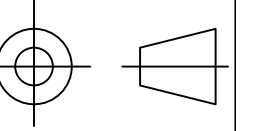
FLY LEAD FROM MOTORS = 1m EXITING IN CORNER OF FRAME.

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


CONTROL PANEL SP600 WITH BATTERY BACKUP. WIRING DETAILS AVAILABLE.

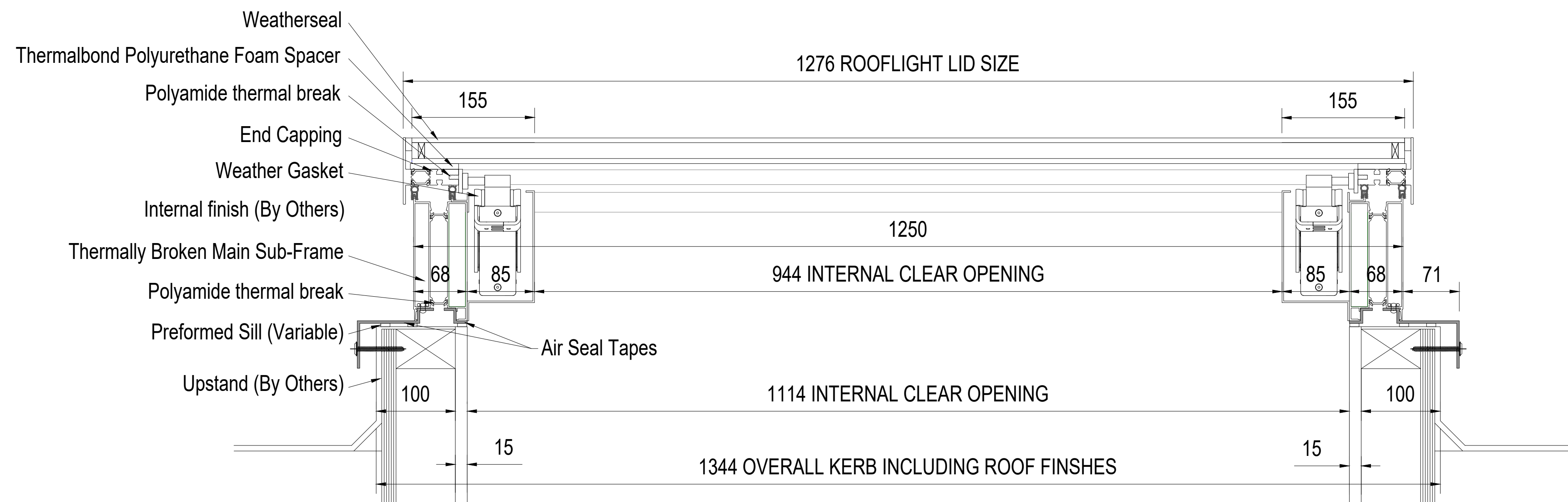
1.5m² UNIT HAS AN ELECTRIC LOCK THAT MUST BE WIRED INTO THE SP600 CONTROL PANEL.

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 ROOFGLAZE ROOFLIGHTS DRAWINGS ARE FOR ILLUSTRATION PURPOSES ONLY.	Roofglaze Rooflights 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, Roofglaze Rooflights 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 ROOFGLAZE ROOFLIGHTS LIMITED.	CHECKED DATE DRAWN D. PUGH DATE 20-10-2016	TOLERANCE UNLESS OTHERWISE STATED ±5 DIMENSIONS IN MM SCALE 1:7 @ A1	MATERIAL ALUMINIUM + GLASS FINISH POLYESTER POWDER COATING RAL T.B.C.							Roofglaze Rooflights Ltd, 11 Howard Road, Eaton Socon, St Neots, Cambs, PE19 8ET Telephone 01480 474797 Fax 01480 474774. TITLE: HINGED AOV FLATGLASS EN 12101 COMPLIANT SMOKE VENT	DRAWING N° RG-80-324 SHEET 1 OF 3	REV A 1	



SECTION Y-Y

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 ROOFLGLAZE ROOFLIGHTS DRAWINGS ARE FOR ILLUSTRATION PURPOSES ONLY.	Roofglaze Rooflights 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, Roofglaze Rooflights 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 ROOFGLAZE ROOFLIGHTS LIMITED.	CHECKED	TOLERANCE UNLESS OTHERWISE STATED ±5	MATERIAL ALUMINIUM + GLASS	FINISH POLYESTER POWDER COATING							Roofglaze Rooflights Ltd, 11 Howard Road, Eaton Socon, St Neots, Cambs, PE19 8ET Telephone 01480 474797 Fax 01480 474774.	DRAWING N° RGR-80-324 SHEET 2 OF 3	REV					
				DATE																	
				DRAWN				D. PUGH	DIMENSIONS IN MM	SCALE 1:4 @ A1											
				DATE							20-10-2016										
																					SIZE A 1



Technical drawing of the 1816 Rooflight Lid showing cross-sections and dimensions. The drawing includes labels for various components and their corresponding dimensions in millimeters.

Labels:

- Weatherseal
- Thermalbond Polyurethane Foam Spacer
- Polyamide thermal break
- End Capping
- Weather Gasket
- Internal finish (By Others)
- Thermally Broken Main Sub-Frame
- Polyamide thermal break
- Preformed Sill (Variable)
- Upstand (By Others)
- Air Seal Tapes

Dimensions:

- 1816 ROOFLIGHT LID SIZE
- 155
- 155
- 1790
- 1484
- 1932
- 1654 INTERNAL CLEAR OPENING
- 1884 OVERALL KERB INCLUDING ROOF FINSHES
- 68
- 85
- 85
- 68
- 71
- 100
- 15
- 237
- 232
- 60
- 150

SECTION X-X - 1.5m²

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				DATE			D. PUGH	DIMENSIONS IN MM	FINISH POLYESTER POWDER COATING										
				DRAWN						SCALE 1:4 @ A1									
				DATE											20-10-2016				
REV AMENDMENTS SIGNED CHECKED DATE																			
HINGED AOV FLATGLASS EN 12101 COMPLIANT SMOKE VENT														SIZE A 1					