

SUNOPTICS INC.

MODEL 800MD SIGNATURE CURB MOUNTED SKYLIGHT

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC) REQUIREMENTS INCLUDING THE 9TH EDITION (2026) FBC, WIND ZONE 4, MISSILE LEVEL D AND THE HIGH VELOCITY HURRICANE ZONE (HVHZ) AT THE DESIGN PRESSURE(S) STATED HEREIN. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT NO. E9429.01-301-18, DATED 8/20/15 BY INTERTEK/ARCHITECTURAL TESTING AND ASSOCIATED LABORATORY STAMPED DRAWINGS.
2. ADEQUACY OF THE EXISTING STRUCTURAL 2X FRAMING CURB MOUNT TO WITHSTAND AND TRANSFER THE APPLIED PRODUCT LOADS TO THE STRUCTURE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. IN AREAS WHERE WIND-BORNE DEBRIS PROTECTION REQUIREMENTS EXIST, USE OF AN APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED. THIS INCLUDES HVHZ AND NON-HVHZ AREAS REQUIRING IMPACT PROTECTION OF OPENINGS.
4. FRAME AND RETAINER MATERIAL: 6063-T5.
5. GLAZING

5.1. EXTERIOR 0.230" THICK BEFORE FORMING PLASKOLITE, LLC TUFFAK POLYCARBONATE SHEETS PER LATEST MD NOTICE OF ACCEPTANCE (NOA).

5.2. INTERIOR 0.120" THICK BEFORE FORMING PLASKOLITE, LLC OPTIX ACRYLIC SHEETS PER LATEST MD NOTICE OF ACCEPTANCE (NOA).
6. FOAM INSULATION

6.1. MATERIAL: INSULFOAM EXPANDED POLYSTYRENE PREFORMED BLOCK TYPE I INSULATION BY INSULFOAM, A DIV. OF CARLISLE CONSTRUCTION MATERIALS, LLC PER LATEST MD NOTICE OF ACCEPTANCE (NOA).

6.1.1. FLAME SPREAD INDEX ACCORDING TO ASTM E84 TESTING IS 55 WHICH IS LESS THAN 75 REQUIRED BY CURRENT EDITION OF THE FLORIDA BUILDING CODE INCLUDING HVHZ REQUIREMENTS.

6.1.2. SMOKE DENSITY INDEX ACCORDING TO ASTM E84 TESTING IS 450 WHICH IS EQUAL TO 450 REQUIRED BY CURRENT EDITION OF THE FLORIDA BUILDING CODE INCLUDING HVHZ REQUIREMENTS.

6.1.3. SELF-IGNITION TEMPERATURE ACCORDING TO ASTM D1929 TESTING IS 950 DEG. F WHICH EXCEEDS 650 DEG. F REQUIRED BY THE CURRENT EDITION OF THE FLORIDA BUILDING CODE INCLUDING HVHZ REQUIREMENTS.

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION AT THE TESTED SIZE SHOWN.

2.1. FOR SMALLER LENGTHS AND/OR WIDTHS, LESS SUBSTRATE (CURB MOUNTING) INSTALLATION ANCHORS ARE ALLOWED AS LONG AS THE EDGE DISTANCE AND O.C. SPACING ARE MET.
3. ANCHORS ARE TO MATCH TYPE, SIZE, AND EMBEDMENT OF THOSE SHOWN HEREIN.
4. FOR INSTALLATION INTO WOOD FRAMING, USE #12 PAN HEAD OR HEX HEAD WOOD SCREWS OR SHEET METAL SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 3/8 INCH MINIMUM EMBEDMENT. MINIMUM EDGE DISTANCE IS 7/8 INCHES.

4.1. WOOD SCREWS SHALL MEET ANSI B18.6.1.

4.2. SHEET METAL/SELF-DRILLING/SELF-TAPPING SCREWS SHALL MEET ASME B18.6.4.

4.3. ALL INSTALLATION FASTENERS AND OTHER FASTENERS EXPOSED TO THE ELEMENTS TO BE CORROSION RESISTANT, AND/OR HAVE A CORROSION RESISTANT COATING OR WHEN EXPOSED TO SALTWATER ENVIRONMENTS WITHIN 3,000 FEET OF A SALTWATER COASTLINE MEET THE REQUIREMENTS OF SECTION 1711, 9TH EDITION (2026) FBC AND SECTION R332, 9TH EDITION (2026) FRC WHEN APPLICABLE.

4.1. HEX HEAD SHEET METAL SCREWS BY PRIMESOURCE BUILDING PRODUCTS, INC. PER ICC-ES ESR-1408 ARE SHOWN ON SHEET 2 FOR ILLUSTRATIVE PURPOSES. OTHER SCREWS ARE ACCEPTABLE MEETING THE REQUIREMENTS OF THIS SECTION.

4.2. 2 INCH IN LENGTH INSTALLATION ANCHORS (SCREWS) ARE SHOWN. BASED ON A CURB COVERING ALLOWANCE OF 1/2", 1-3/8" MINIMUM EMBEDMENT WILL BE ACHIEVED.
5. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES (INCLUDING BUT NOT LIMITED TO STUCCO, FOAM AND SIDING).
6. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

6.1. WOOD - PRESSURE TREATED (PT) WITH A MINIMUM SPECIFIC GRAVITY OF 0.55.

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SHEET	SHEET DESCRIPTION
1	GENERAL AND INSTALLATION NOTES
2	PLAN, ELEVATIONS AND SECTION VIEWS, ANCHOR LAYOUTS

PERFORMANCE RATING				
MAXIMUM FRAME SIZE	ELEVATION	GLAZING DETAIL	DESIGN PRESSURE (PSF)	IMPACT RATING
63 9/16" X 99 5/8"	SHEET 2	SHEET 2	+/- 60	LARGE MISSILE IMPACT

This item has been electronically signed and sealed by Robert J. Amoruso on the date adjacent to the seal using a SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

Sunoptics, Inc.

20215 Rifle Range Road

Tallassee, AL 36078

MODEL 800MD SIGNATURE CURB MOUNTED SKYLIGHT INSTALLATION ANCHORAGE DETAILS	BY		DATE		
	REVISION DESCRIPTION		NO.	DATE	
	UPDATE 5TH EDITION (2014) FBC. INCORPORATE NEW TEST RESULTS. UPDATE TO THE CURRENT EDITION		A	8/27/15	
	FLORIDA BUILDING CODE		B	10/19/20	
	UPDATE TO THE CURRENT EDITION FBC. UPDATE GLAZING.		C	9/22/23	
		UPDATE TO THE 9TH EDITION (2026) FBC	D	8/16/26	

DATE:	3/5/26
DWN BY:	RJA
CHK BY:	n/a
SCALE:	NONE

ROBERT J. AMORUSO, P.E. #49752
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PROJECT#:	ACE-2026-108
DWG/REV:	SUN0002, Rev D
SHT:	1 of 2

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B	UPDATE TO THE CURRENT EDITION FLORIDA BUILDING CODE	RJA	10/19/20	
C	UPDATE TO THE CURRENT EDITION FBC. UPDATE GLAZING.	RJA	9/22/23	
D	UPDATE TO THE 9TH EDITION (2026) FBC	RJA	8/16/26	

DATE: 3/5/26	DWN BY: RJA	CHK BY: n/a	SCALE: NONE
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