

SUNOPTICS INC.

MODEL 900MD 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 INCLUDING 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. R9624.01-301-18-R1, DATED 12/16/24 AND R9625.01-301-18-R0, DATED 11/13/24 BY INTERTEK TESTING AND ASSOCIATED LABORATORY STAMPED DRAWINGS, SIGNED AND SEALED BY TYLER WESTERLING, FL PE NO. 72012.
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.
4. FRAME AND RETAINER MATERIAL: 6063-T6.
5. GLAZING

5.1. EXTERIOR 0.230" THICK PALRAM AMERICAS CLEAR POLYCARBONATE PER LATEST MD NOTICE OF ACCEPTANCE (NOA).

5.2. INTERIOR 0.125" THICK PALRAM AMERICAS WHITE POLYCARBONATE PER LATEST MD NOTICE OF ACCEPTANCE (NOA).
6. WATER INFILTRATION RESISTANCE

6.1. SEALING AND FLASHING REQUIREMENTS PER THE 9TH EDITION (2026) FLORIDA BUILDING CODE FOR SKYLIGHTS AND ROOF MOUNTED ATTACHMENTS SHALL BE FOLLOWED.

6.2. SEALING AND FLASHING FOR OVERALL WATER RESISTANCE ON THE INSTALL SKYLIGHT IS THE RESPONSIBILITY OF OTHERS.
7. CURB HEIGHT

7.1. WOOD CURB OF 1-1 /2" MIN. WIDTH, STEEL CURB OR ALUMINUM CURB OF SUFFICIENT HEIGHT TO LOCATE THE SKYLIGHT AT LEAST 4" ABOVE THE PLANE OF THE ROOF AND/OR ROOF/DECKING ARE BY OTHERS. ADEQUACY OF CURB AND ROOF/DECK STRUCTURES TO RECEIVE THE LOADS FROM THE SKYLIGHT AND INSTALLATION FASTENERS SHALL BE VERIFIED BY ARCHITECT OR ENGINEER OF RECORD OR AS OTHERWISE APPROVED BY THE BUILDING OFFICIAL.

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 BELOW.

3.1. FOR ANCHORING INTO WOOD (SOUTHERN PINE OR G>=0.55) CURB, USE HEX WASHER HEAD #12 STAINLESS STEEL (MIN. Fu = 100ksi, MIN. Fy = 90ksi) WOOD SCREWS WITH NEOPRENE WASHER, WITH 1-3/8" MINIMUM EMBEDMENT INTO SUBSTRATE AND 7/8" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATION AND INSTALLATION DETAILS.

3.2. FOR ANCHORING INTO 0.060" MINIMUM 45KSI MIN. ULT. TENSILE STRENGTH STEEL CURB, USE HEX WASHER HEAD #12 ITW BUILDEX TEKS SELECT (COATED CARBON STEEL) SELF-DRILLING STRUCTURAL FASTENERS WITH NEOPRENE WASHER, WITH FULL THREAD ENGAGEMENT THROUGH THE METAL WALL THICKNESS WITH A MINIMUM OF 3 THREADS BEYOND THE METAL WALL, AND 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.

3.3. FOR ANCHORING INTO 1/8" MINIMUM THICKNESS 6063-T5 ALUMINUM OR 45KSI MIN. ULT. TENSILE STRENGTH STEEL CURB, USE HEX WASHER HEAD #12 STAINLESS STEEL (MIN. Fu=100ksi, MIN. Fy=90ksi) SELF-DRILLING FASTENER WITH NEOPRENE WASHER, WITH FULL THREAD ENGAGEMENT THROUGH THE METAL WALL THICKNESS WITH A MINIMUM OF 3 THREADS BEYOND THE METAL WALL, AND 1 /2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 3.4. INSTALLATION FASTENER MATERIAL/SURFACE TREATMENT REQUIREMENTS.

3.4.1. 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.
- 3.5. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE COATED OR OTHERWISE PROTECTED PER FBC CHAPTER 20 TO PREVENT GALVANIC REACTIONS. ALL ANCHORS USED SHALL BE OF A MATERIAL OR HAVE A COATING COMPATIBLE WITH THE SUBSTRATE MATERIALS AND ALL OTHER SKYLIGHT MATERIALS.
4. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES (INCLUDING BUT NOT LIMITED TO STUCCO, FOAM AND SIDING).

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PERFORMANCE RATING				
SERIES	MAXIMUM FRAME SIZE	ELEVATION	DESIGN PRESSURE (PSF)	IMPACT RATING
4080	53" X 101"	SHEET 3	+44/- 65	LARGE AND SMALL MISSILE IMPACT
5060	64-3/8" X 76-3/8"	SHEET 2	+40/-60	

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 900MD COMMERCIAL CURB MOUNTED SKYLIGHT
INSTALLATION ANCHORAGE DETAILS

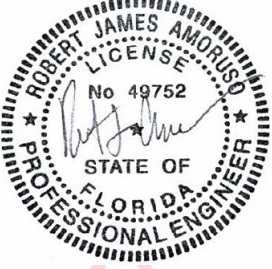
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9/7/26

DWN BY:
RJA

CHK BY:
n/a

SCALE:
NONE

ROBERT J. AMORUSO, P.E. #49752
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Robert J Amoruso®
Date: 2026.09.10
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PROJECT#: ACE-2026-153

DWG/REV: SUN0005, Rev 0

SHT: 1 of 6

SIGNATURE SERIES 900MD FIXED CURB-MOUNT COMMERCIAL PRISMATIC DOME SKYLIGHT
SMD-5060-C3W1-900MD

Sunoptics, Inc.
20215 Rifle Range Road
Tallasse, AL 36078

MODEL 900MD COMMERCIAL CURB MOUNTED SKYLIGHT INSTALLATION ANCHORAGE DETAILS	DATE				
	BY				
	REVISION DESCRIPTION				
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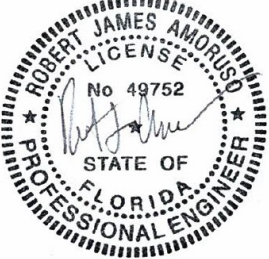
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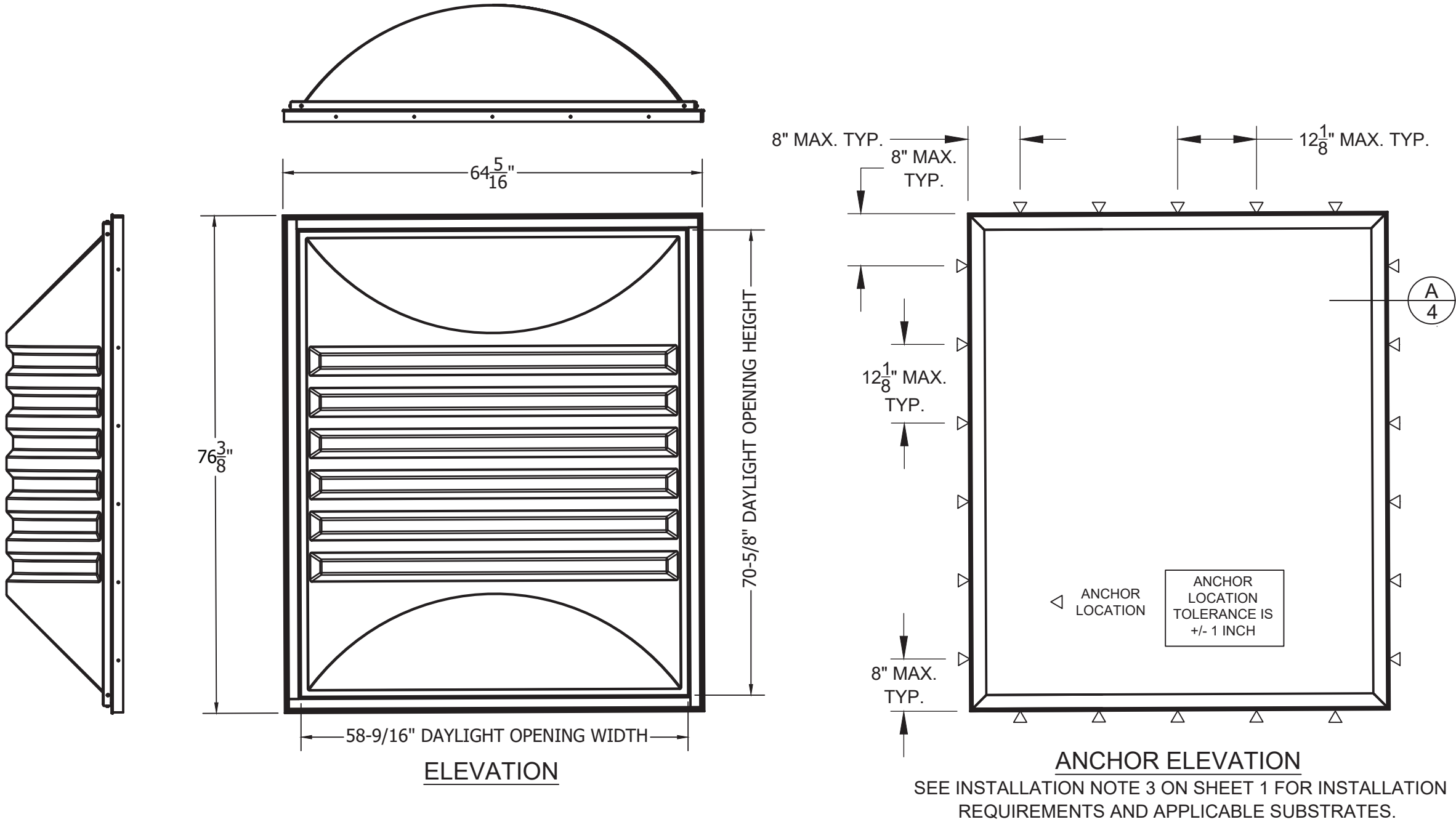


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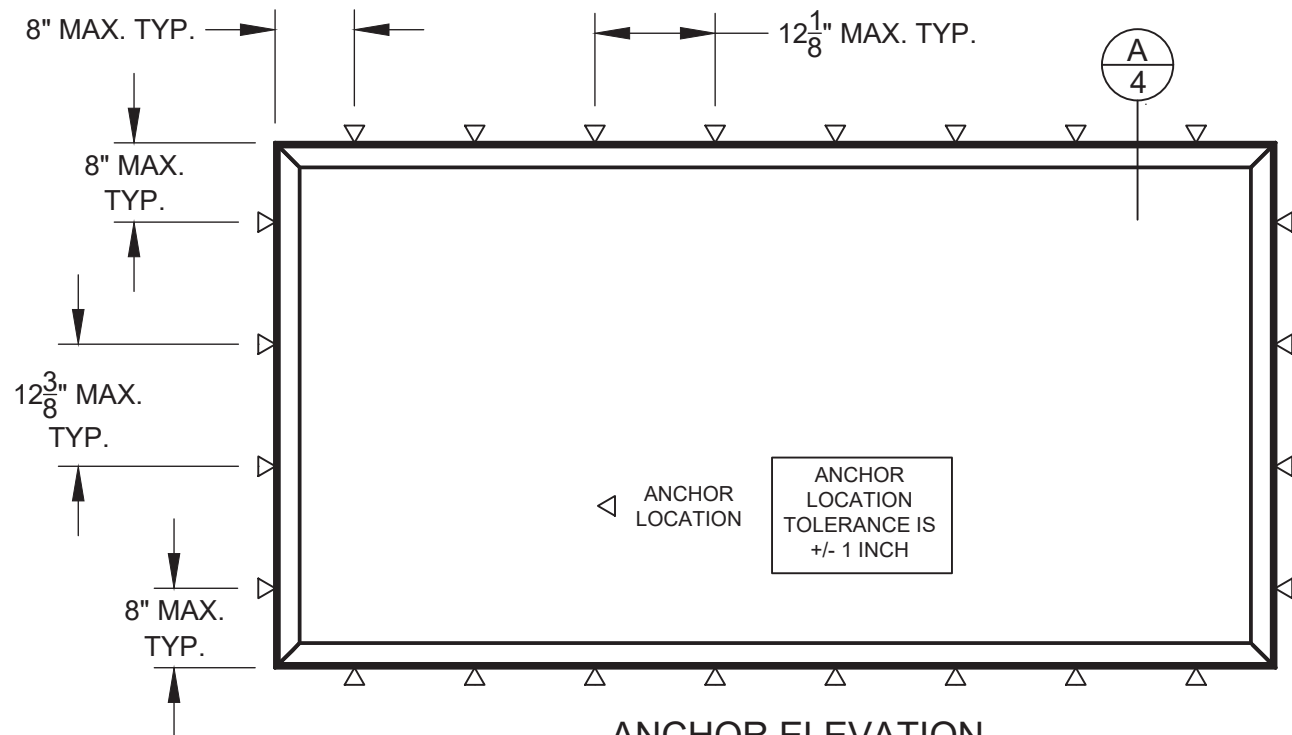
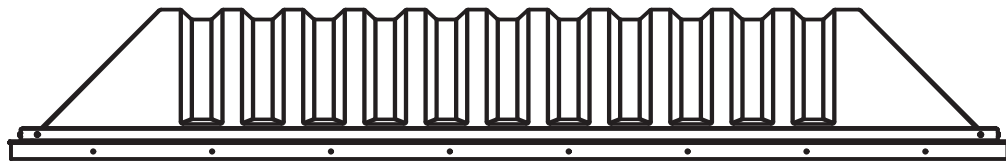
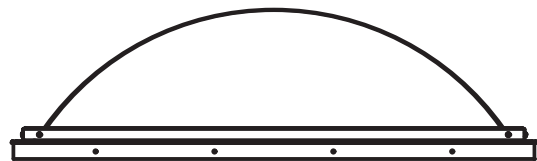
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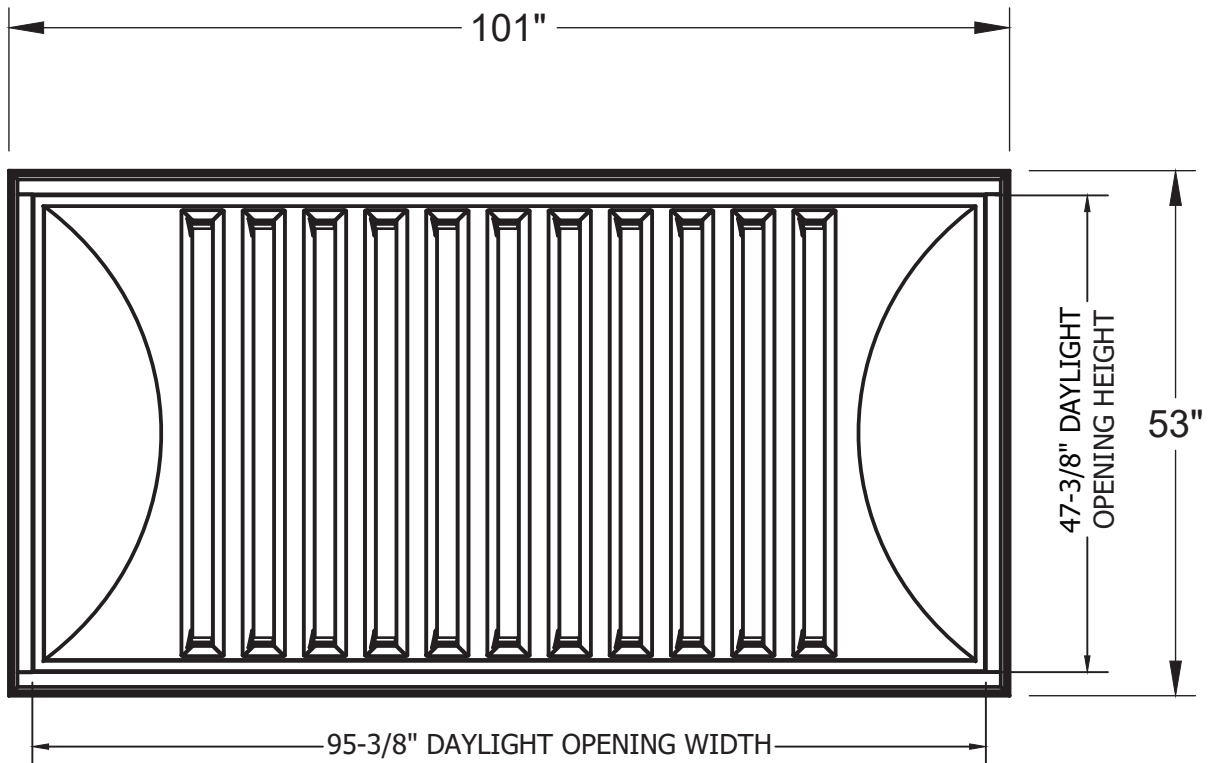


SIGNATURE SERIES 900MD FIXED CURB-MOUNT COMMERCIAL PRISMATIC DOME SKYLIGHT
SMD-4080-C3W1-900MD



ANCHOR ELEVATION

SEE INSTALLATION NOTE 3 ON SHEET 1 FOR INSTALLATION
REQUIREMENTS AND APPLICABLE SUBSTRATES.



ELEVATION

MODEL 900MD COMMERCIAL CURB MOUNTED SKYLIGHT INSTALLATION ANCHORAGE DETAILS	DATE				
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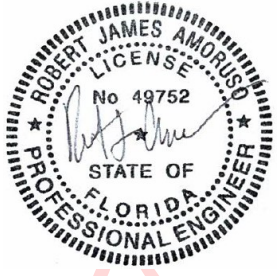
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SHT:	3 of 6

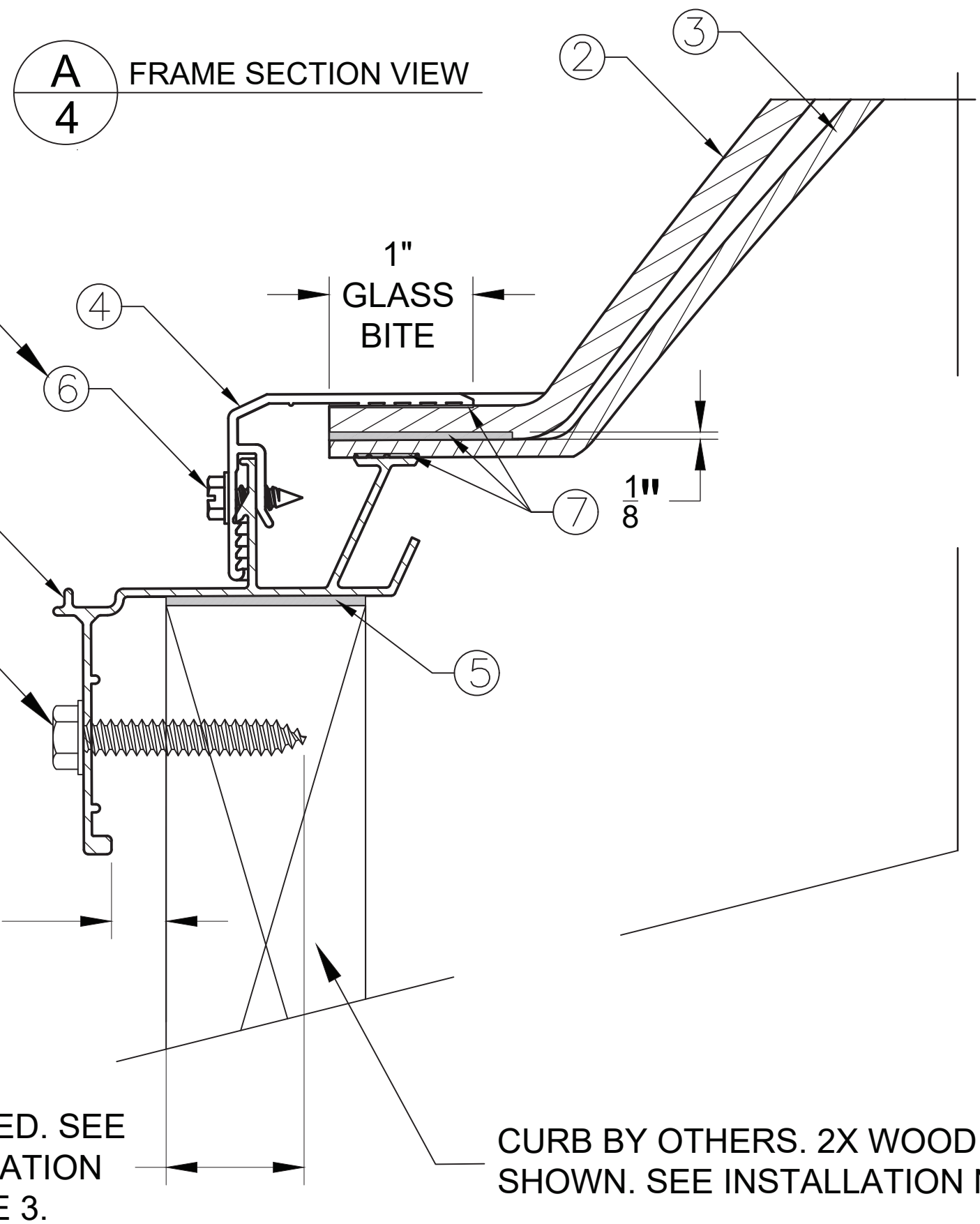
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ATTACHMENT OF ITEM NO. 4 TO ITEM
NO. 1 USING ITEM NO. 6 TEK SCREWS
1" FROM FRAME CORNERS.

INSTALLATION
ANCHOR (TYP.).
SEE INSTALLATION
NOTE 3.

1/4" MAX.
ALLOWANCE FOR
CURB FINISHING
MATERIALS
(TYP.)

MIN. EMBED. SEE
INSTALLATION
NOTE 3.

CURB BY OTHERS. 2X WOOD CURB
SHOWN. SEE INSTALLATION NOTE 3.

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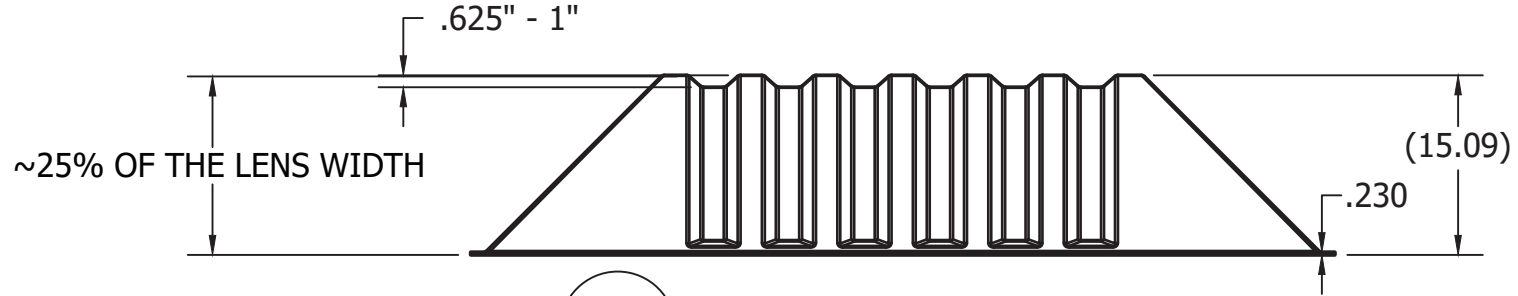
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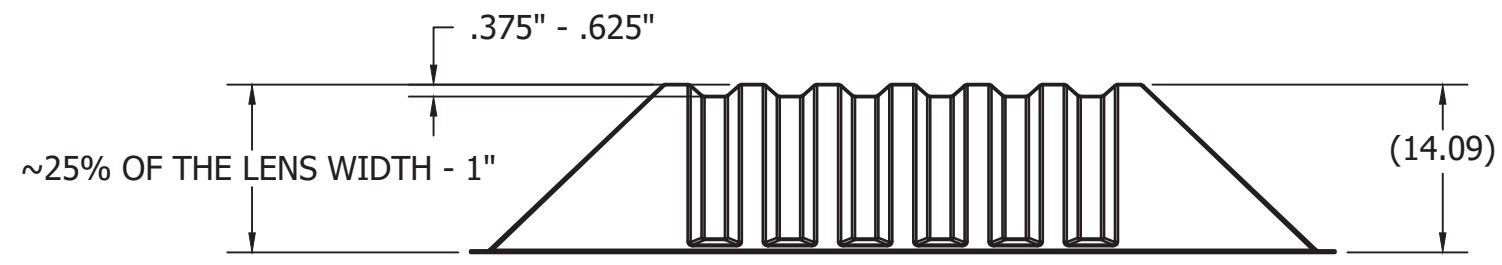
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SHT:	5 of 6

SMD-5060-C3W1-900MD

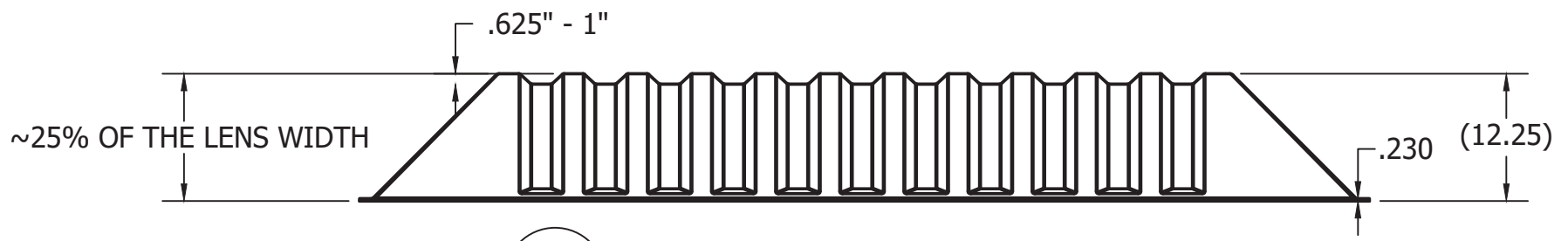


2 OUTER DOME

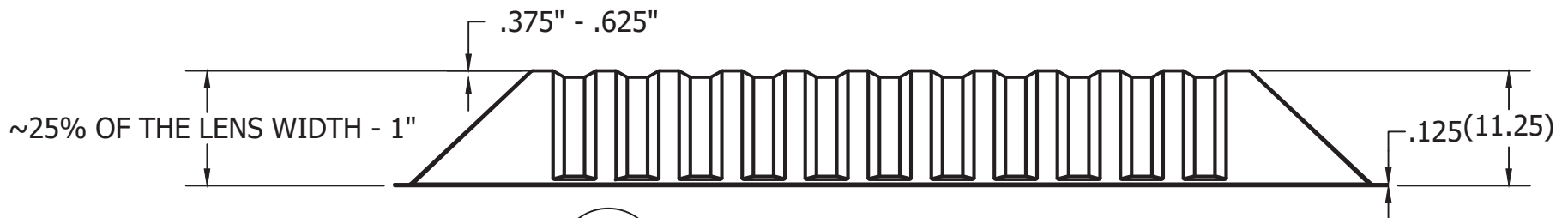


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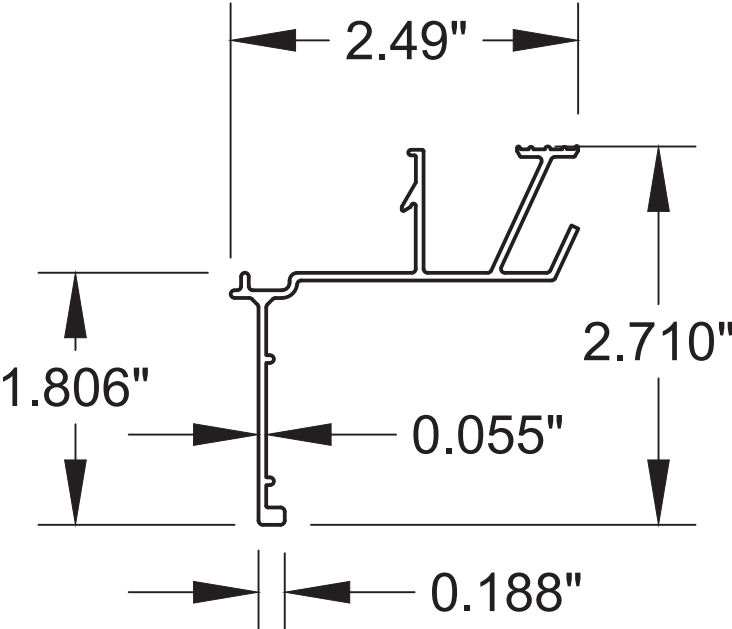
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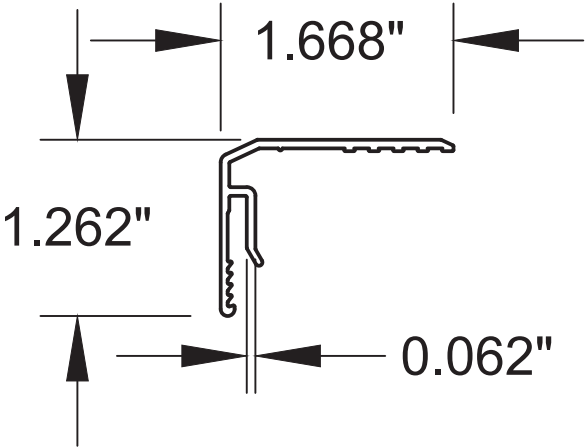
2 OUTER DOME



3 INNER DOME



1 900 MD FRAME



4 9/16S 900 BEAD

BILL OF MATERIALS		
ITEM	PART	DESCRIPTION
1	900 MD FRAME	6063-T6 ALUMINUM
2	SIG PCT 0.230" THICK CLEAR POLYCARBONATE OUTER DOME	PALRAM AMERICAS POLYCARBONATE
3	SIG PCB 0.125" THICK WHITE POLYCARBONATE INNER DOME	PALRAM AMERICAS POLYCARBONATE
4	9/16S 900 BEAD	6063-T6 ALUMINUM
5	GASKA V710 FOAM TAPE 1/8" X 1-1/2"	CLOSED CELL PVC FOAM
6	#8 X 1/2" HWH TEKS W/NEOPRENE GASKET	410 STAINLESS STEEL
7	GE SILPRUF SCS2700 LM	MOMENTIVE SILICONE SEALANT

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SHT: 6 of 6