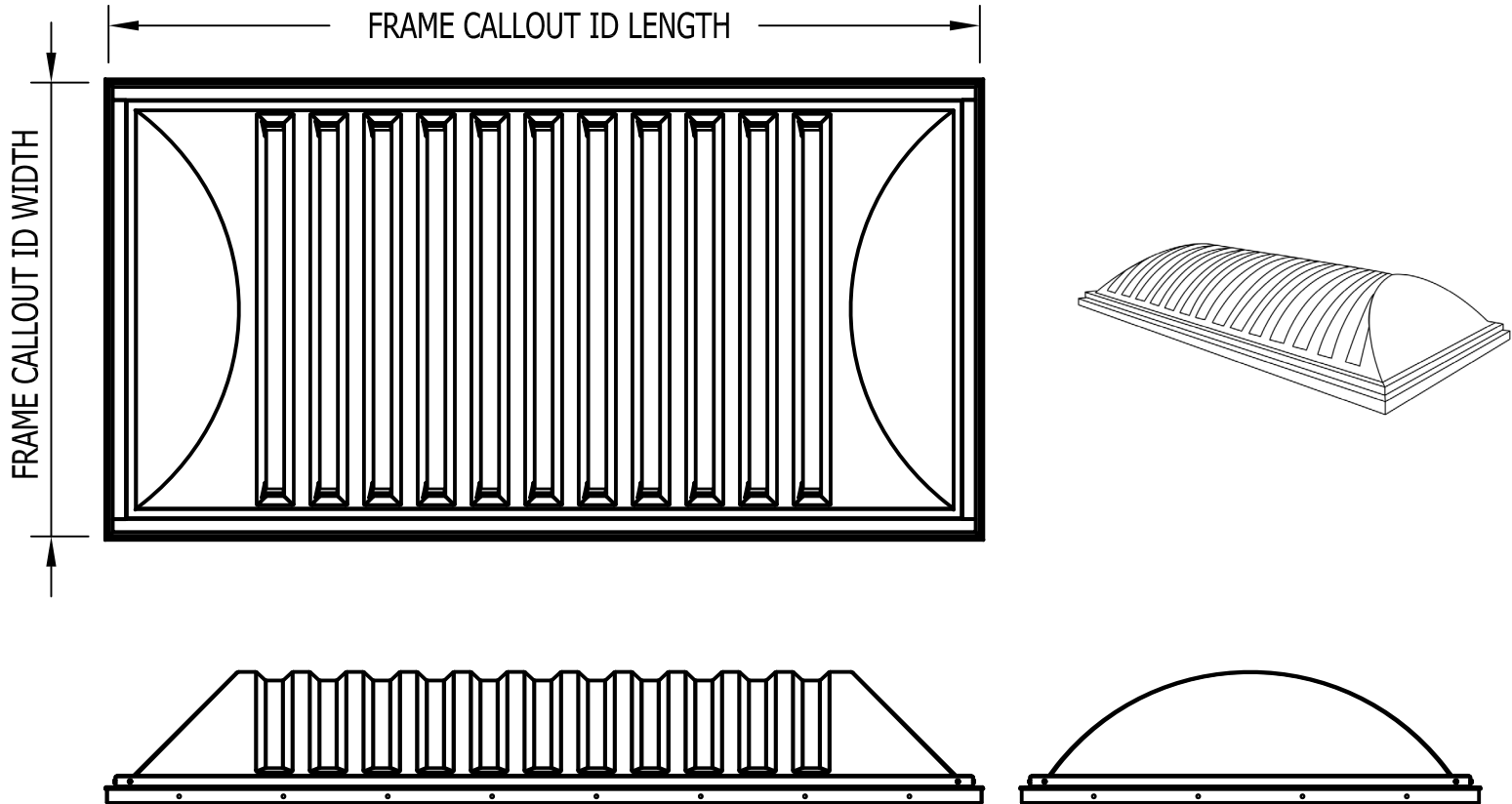


GENERAL NOTES

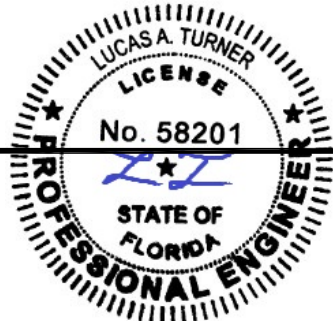
1. THIS PRODUCT, FABRICATED AND ANCHORED AS DETAILED IN THIS DRAWING, IS LARGE AND SMALL MISSILE IMPACT RESISTANT AND DOES NOT REQUIRE THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS) IN WINDBORNE DEBRIS REGIONS.
2. THIS PRODUCT HAS BEEN TESTED TO TAS 201/202/203-94, AND MEETS THE REQUIREMENTS OF THE 8TH ED. (2023) FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE.
3. ALLOWABLE CONFIGURATIONS ARE AS INDICATED HEREIN. THE DOME GLAZING IS TUFFAK POLYCARBONATE BY PLASKOLITE PER CURRENT MIAMI-DADE NOA.
4. THE DESIGN PRESSURE RATINGS OF THIS PRODUCT ARE AS LIMITED BY TESTED WATER, STRUCTURAL, AND CYCLIC PRESSURES
5. THE 4/3 ALLOWABLE STRESS INCREASE FACTOR (SHORT-TERM INCREASE FACTOR) HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF ANCHORAGE INTO WOOD SUBSTRATE.
6. CURB OF 1-1/2" MIN. WIDTH AND OF SUFFICIENT HEIGHT TO LOCATE THE SKYLIGHT AT LEAST 4" ABOVE THE PLANE OF THE ROOF, AND 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 A.H.J.
7. 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.
8. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, OR AS APPROVED, SIGNED, AND SEALED BY A FLORIDA-REGISTERED PROFESSIONAL ENGINEER ON A SITE-SPECIFIC BASIS.
9. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS.
10. 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.
11. 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.
12. 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.

SIGNATURE SERIES 900MD FIXED ALUMINUM FRAME
CURB-MOUNT COMMERCIAL PRISMATIC DOME SKYLIGHT



SEE DETAILS SHEET 2

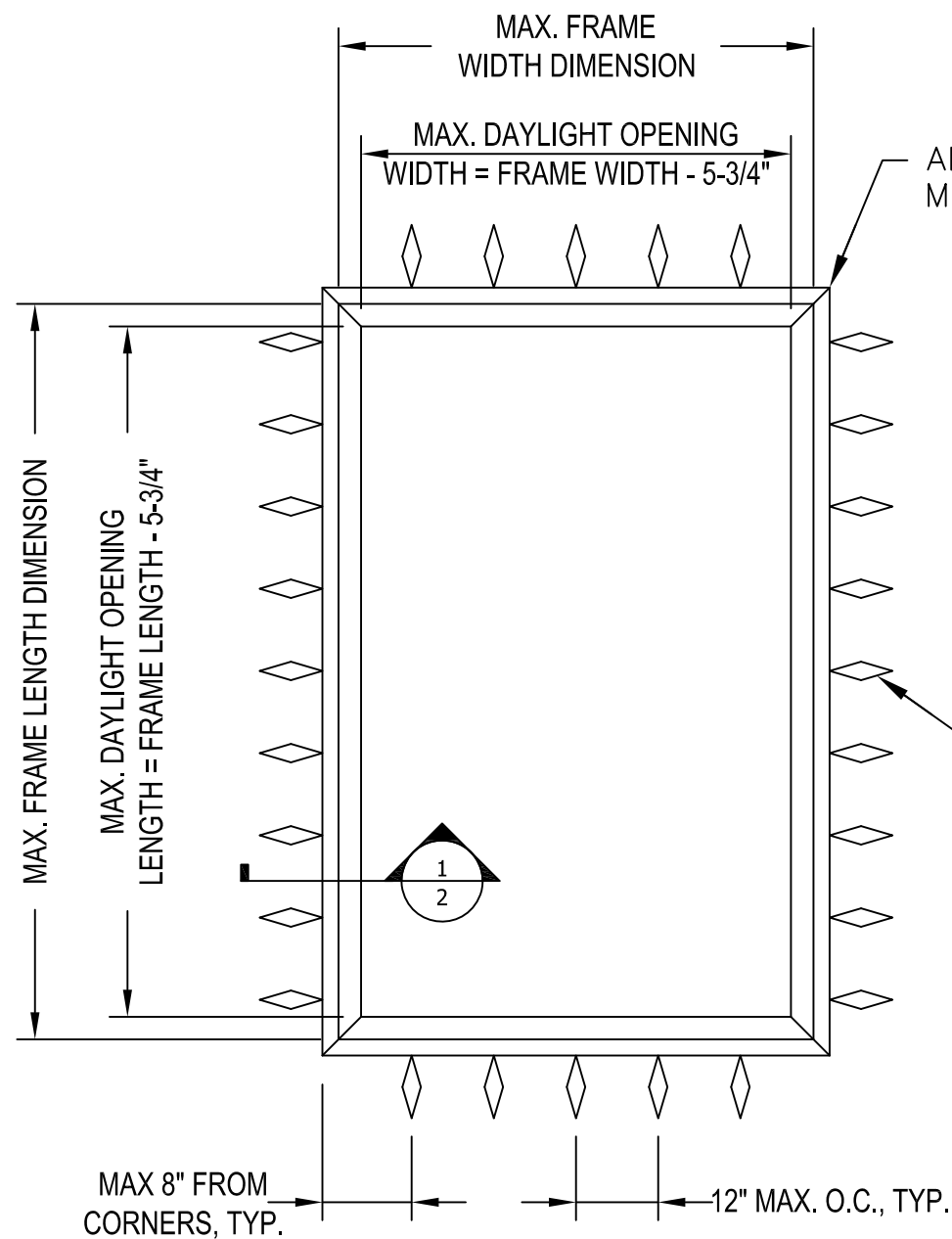
Max. Frame Callout ID Size	Design Pressure Rating	Impact Rating
4080 53" Width x 101" Length	+/- 65 PSF	Large and Small Small Missile Impact
5060 64-3/8" Width x 76-3/8" Length	+/- 60 PSF	



4/23/2025
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING &
CONSULTING, INC.
2428 OLD NATCHEZ TRC TRL
CAMDEN, TN 38320
PH. 941-380-1574

Lucas Turner,
PE 58201
2025.04.25
14:05:12
-05'00'

REVISIONS			
0	INITIAL RELEASE		04/15/25
		Sunoptics, Inc. 106 Industrial Parkway Tallassee, AL 36078	
DESCRIPTION: SIGNATURE SERIES 900MD FIXED ALUMINUM FRAME COMMERCIAL PRISMATIC DOME SKYLIGHT, LMI AND SMI GENERAL NOTES, DP RATINGS			
SIZE B	DRAWN BY: L.A.T.	DWG NO. SIG-C3W1-900MD-NOA	REV 0
SCALE: NTS	DATE: 4/15/2025	SHEET: 1 of 3	



INSTALLATION ELEVATION

ALL CORNERS
MITERED/WELDED

1" FROM
FRAME
CORNERS,
TYP.

INSTALLATION
FASTENER, TYP.,
SEE GEN. NOTES
10-12, SHEET 1

1/4" MAX. SHIM
SPACE

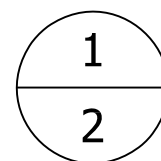
FRAME
DIMENSION
1" BITE

GE SCS 2700

MIN. EDGE
DIST., SEE
NOTES 10-12,
SHEET 1

MIN. EMBED., SEE
NOTES 10-12, SHT 1

CURB BY
OTHERS, SEE
NOTES 10-12,
SHEET 1



FRAMING CROSS-SECTION, TYP.

PARTS LIST

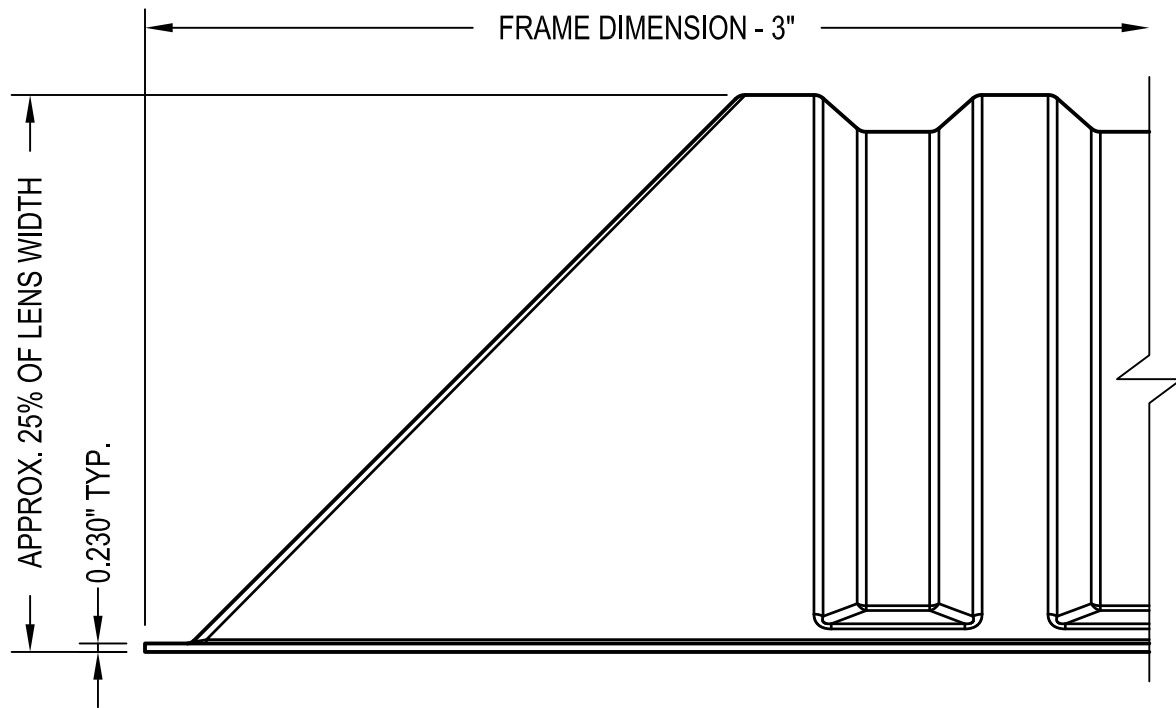
ITEM	PART	DESCRIPTION
1	900 MD FRAME	6063-T6 ALUMINUM
2	SIG PCT 0.230" THICK CLR POLY OUTER DOME	PALRAM AMERICAS POLYCARBONATE
3	SIG PCB 0.125" THICK WHT POLY INNER DOME	PALRAM AMERICAS POLYCARBONATE
4	9/16S 900 BEAD	6063-T6 ALUMINUM
5	GASKA V710 FOAM TAPE 1/8" X 1-1/2"	CLOSED CELL PVC FOAM
6	#8 X 1/2" HWH TEKS W/ NEOPRENE GASKET	410 STAINLESS STEEL



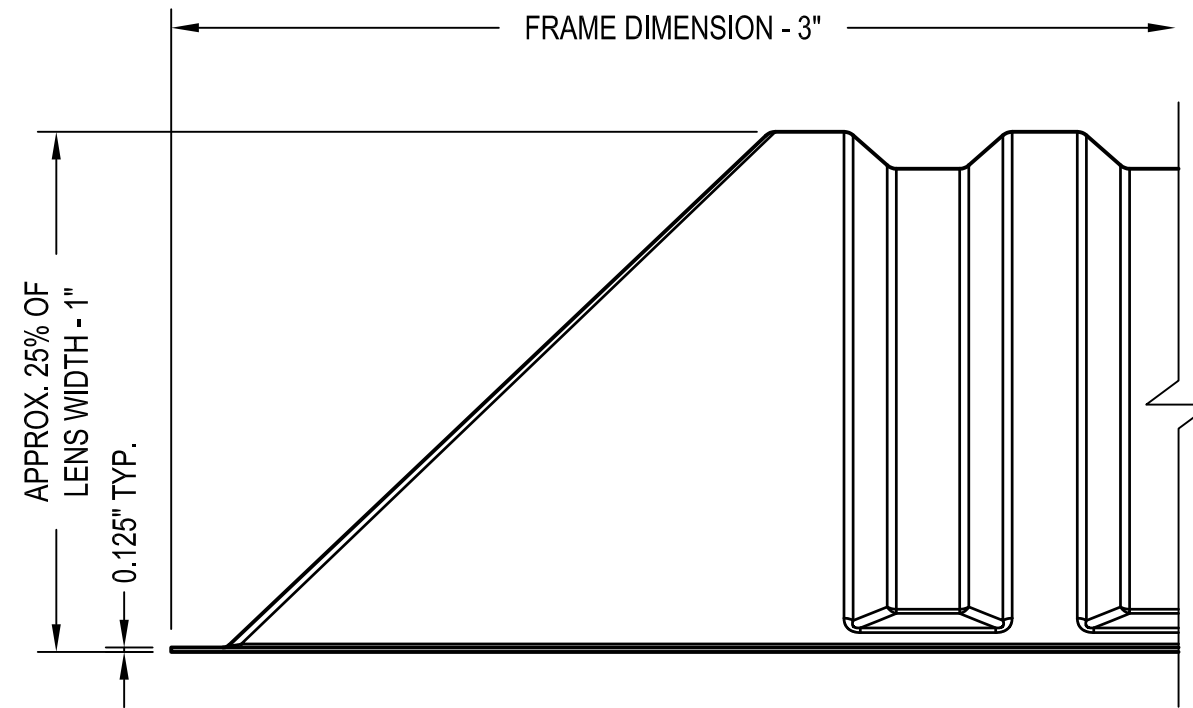
4/23/2025
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING &
CONSULTING, INC.
2428 OLD NATCHEZ TRC TRL
CAMDEN, TN 38320
PH. 941-380-1574

REVISIONS

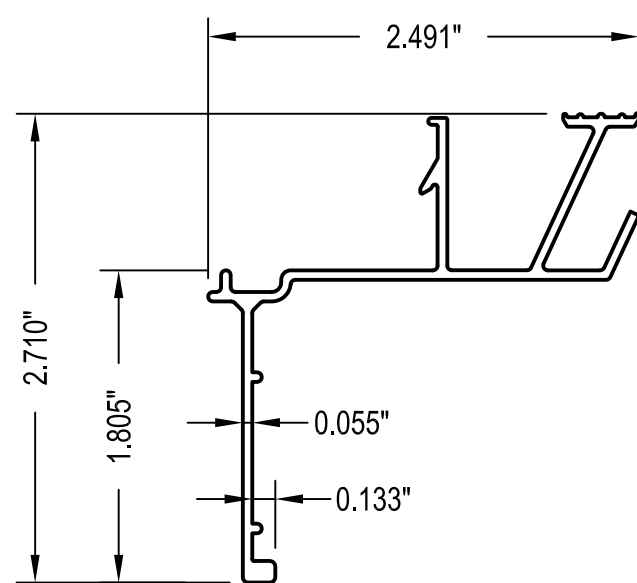
0	INITIAL RELEASE	04/15/25
 Sunoptics, Inc. 106 Industrial Parkway Tallasse, AL 36078		
DESCRIPTION: SIGNATURE SERIES 900MD FIXED ALUMINUM FRAME COMMERCIAL PRISMATIC DOME SKYLIGHT, LMI AND SMI INSTALLATION ELEVATION, DETAILS		
SIZE B	DRAWN BY: L.A.T.	DWG NO. SIG-C3W1-900MD-NOA
SCALE: NTS	DATE: 4/15/2025	SHEET: 2 of 3



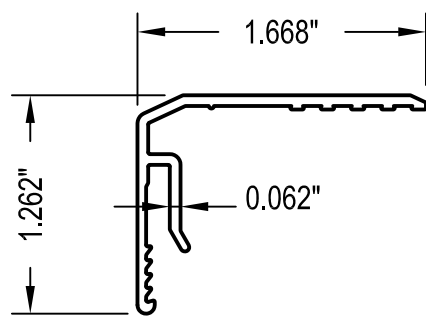
2 OUTER DOME



3 INNER DOME



1 900 MD FRAME



4 9/16S 900 BEAD



LUCAS A. TURNER, P.E.
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CONSULTING, INC.
2428 OLD NATCHEZ TRC TRL
CAMDEN, TN 38320
PH. 941-380-1574

REVISIONS				
0	INITIAL RELEASE			04/15/25
		Sunoptics, Inc. 106 Industrial Parkway Tallasse, AL 36078		
DESCRIPTION: SIGNATURE SERIES 900MD FIXED ALUMINUM FRAME COMMERCIAL PRISMATIC DOME SKYLIGHT, LMI AND SMI PART DRAWINGS				
SIZE B	DRAWN BY: L.A.T.	DWG NO. SIG-C3W1-900MD-NOA		REV 0
SCALE: NTS		DATE: 4/15/2025	SHEET: 3 of 3	