

R:\Clients\Natural Light Energy Systems\A - Florida Product Approvals\FL-21361 Tubular Skylights\C - Drawings\FL 21361 (2020)\FL-21361.1-3.dwg, FL-21361.3



Natural Light
ENERGY SYSTEMS

TUBULAR SKYLIGHT "EZ" MODEL "IMPACT"

DBA:

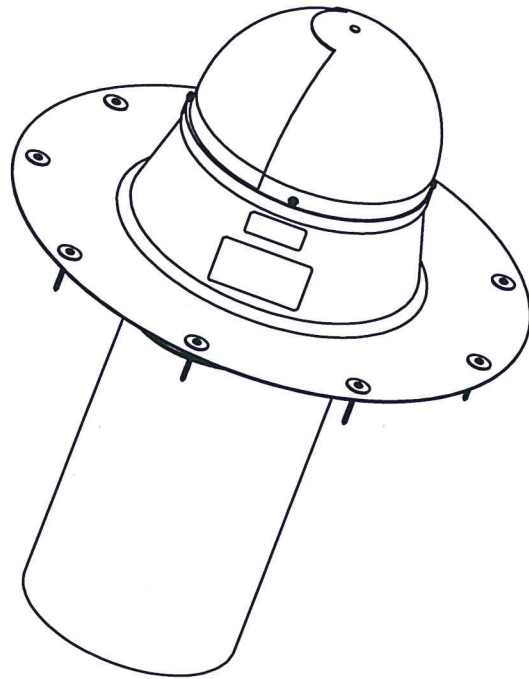
Tru Lite
SolarSkylite
Kennedy Skylights

GENERAL NOTES

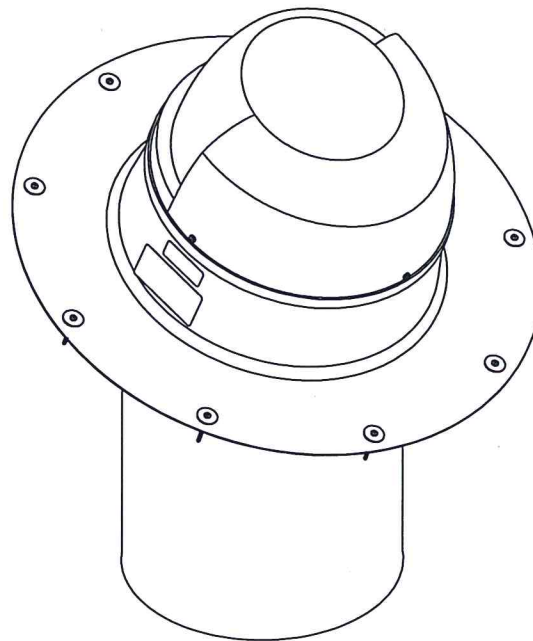
1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. When used in the "HVHZ" this product complies with FBC Section 1626 and does not require an impact resistant covering.
3. When used in areas outside of the "HVHZ" requiring wind borne debris protection, this product complies with FBC Section 1609.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996 and FBC Section 1609.1.2.2.
4. All roofing details shall comply with Chapter 15 of the FBC.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
6. This product meets water infiltration requirements for "HVHZ".

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SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Skylight details

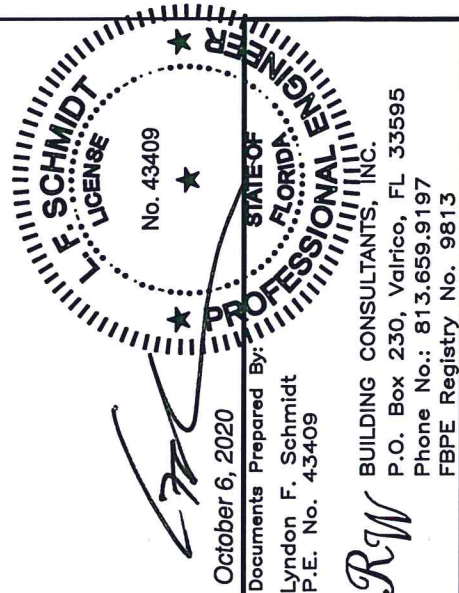


MODEL NO. EZ10SCP NH (SHOWN)



MODEL NO. EZ14SCP NH (SHOWN)

MODEL NUMBER	DESIGN PRESSURE (PSF)	
	POSITIVE	NEGATIVE
EZ10SCP NH EZ14SCP NH EZ10HRPNH EZ14HRPNH EZ10PRO EZ14PRO	+100.0	-100.0



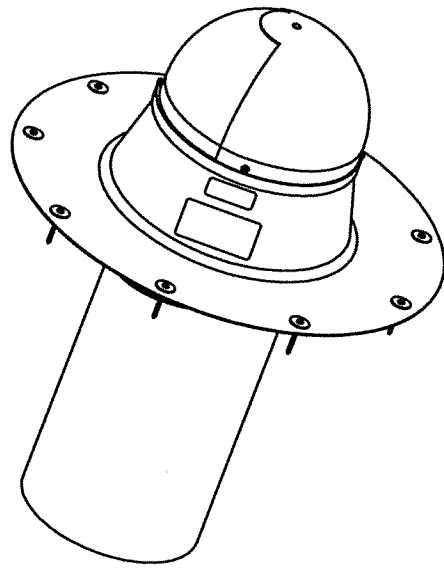
October 6, 2020

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

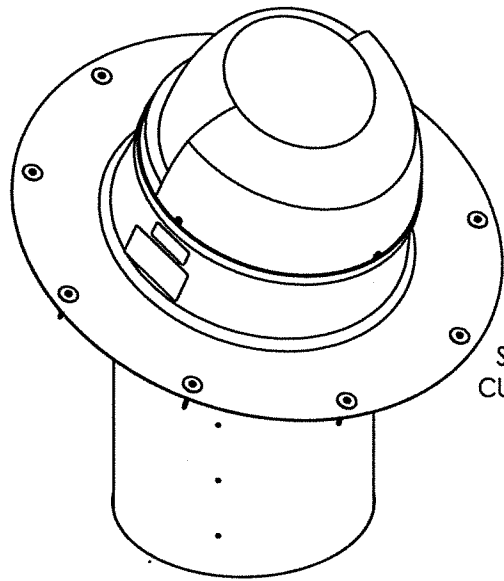
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		NATURAL LIGHT ENERGY SYSTEMS	
PART OR ASSEMBLY:		TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
		LFS	BY
		DATE	REVISIONS
2	10/06/20	UPDATE TO 7TH ED. (2020) FBC	
1	12/19/17	UPDATE TO 6TH ED. (2017) FBC	
DATE: 10/20/16			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-21361.3			
SHEET 1 OF 2			

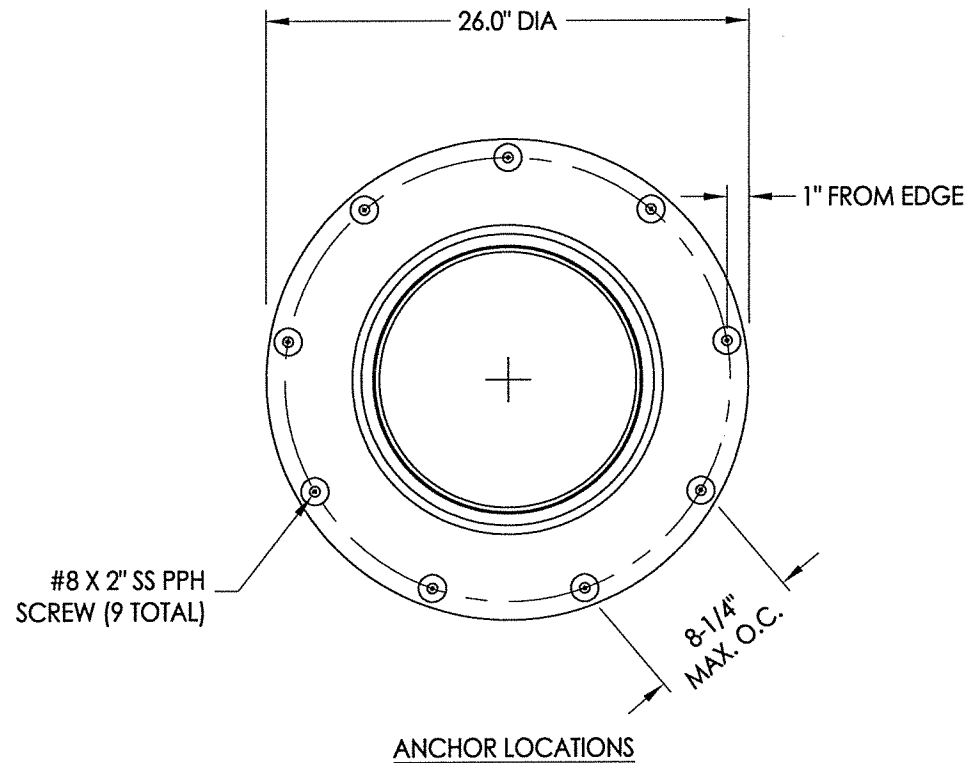
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MODEL NO. EZ10SCPNH
MODEL NO. EZ10HRPNH
MODEL NO. EZ10PRO



MODEL NO. EZ14SCPNH
MODEL NO. EZ14HRPNH
MODEL NO. EZ14PRO



SEE FBC SECTION 2405.4 FOR MINIMUM CURB HEIGHT, ROOF SLOPE & EXCEPTIONS FOR GROUP R-3 OCCUPANCY

POLYCARBONATE (LEXAN 143) DOME
(0.115" NOMINAL THICKNESS)

ADJUSTABLE TUBE

CONNECTING TUBE
(VARIES PER MODEL)

JOINT TAPE
(BOTH ENDS OF
CONNECTING TUBE)

DIFFUSER RING

DIFFUSER

SHINGLES
(SUPPLIED BY OTHERS)

SEE NOTE 1

#8 X 2" SS PPH SCREW
1" FROM EDGE

SS FENDER WASHER

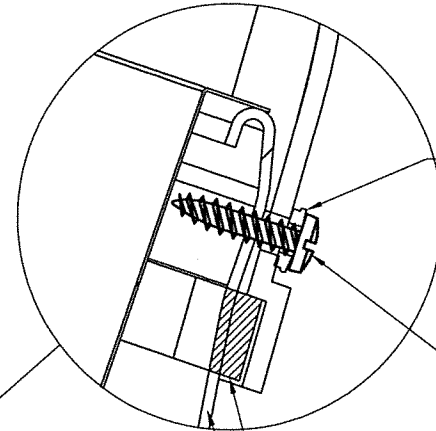
SEE NOTE 1

1/4" BEAD BUTYL
SEALANT

DRYWALL
(SUPPLIED BY OTHERS)

SECTION VIEW
EZ14SCPNH (SHOWN)
EZ10SCPNH (SIMILAR)
EZ14HRPNH (SIMILAR)
EZ10HRPNH (SIMILAR)
EZ14PRO (SIMILAR)
EZ10PRO (SIMILAR)

NOTE:
1. STRUCTURAL ROOF SHEATHING
(DESIGNED BY OTHERS PER FBC SECTION 2304.8.2)
MINIMUM TESTED PROPERTIES AS FOLLOWS:
7/16" OSB OR 23/32" PLYWOOD (STRUCTURAL I)
OVER FRAMING ($G \geq 0.55$) @ 24" O.C. MAX. SPACING.

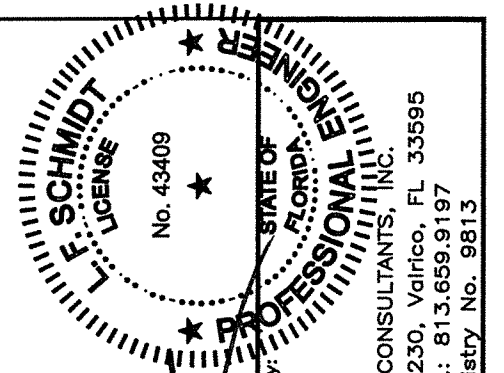


#8 X 3/8" O.D.
SS WASHER
(BONDED SEALING)

#8 X 3/4" PPH SS SCREW
w/ SILICONE SEALANT
(4 TOTAL, EQ. SPACED)

10 mm X 12mm FOAM TAPE

0.065" ALUMINUM FLASHING



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PRODUCT:		PART OR ASSEMBLY:	
NATURAL LIGHT ENERGY SYSTEMS		SKYLIGHT DETAILS	
NO.	DATE	REVISIONS	BY
2	10/06/20	UPDATE TO 7TH ED. (2020) FBC	LFS
1	12/19/17	UPDATE TO 6TH ED. (2017) FBC	LFS
DATE: 10/20/16			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-21361.3			
SHEET 2 OF 2			