



**Natural Light**  
ENERGY SYSTEMS

# TUBULAR SKYLIGHT "EZ" MODEL "NON-IMPACT"

## DBA:

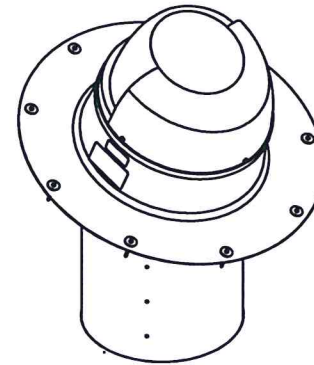
Tru Lite  
SolarSkylite  
Kennedy Skylights

### GENERAL NOTES

1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with FBC Section 1609.1.2.
3. All roofing details shall comply with Chapter 15 of the FBC.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

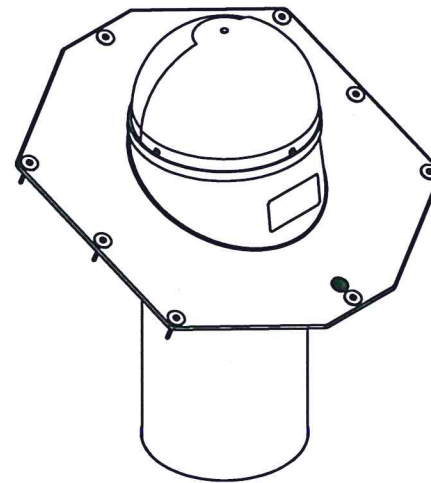
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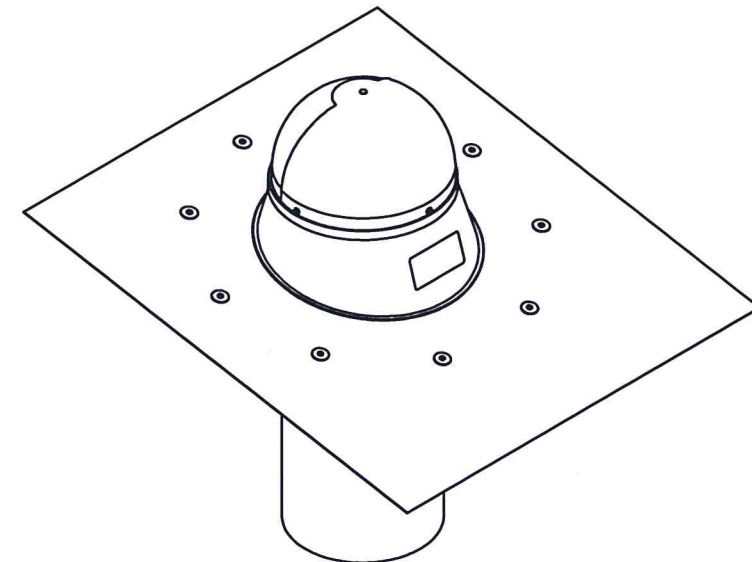
MODEL NO. EZ14SCMNH (SHOWN)

| MODEL NUMBER                                                             | DESIGN PRESSURE (PSF) |          |
|--------------------------------------------------------------------------|-----------------------|----------|
|                                                                          | POSITIVE              | NEGATIVE |
| EZ10SCMNH<br>EZ14SCMNH<br>EZ10HRMNH<br>EZ14HRMNH<br>EZ10PRO2<br>EZ14PRO2 | +90.0                 | -90.0    |



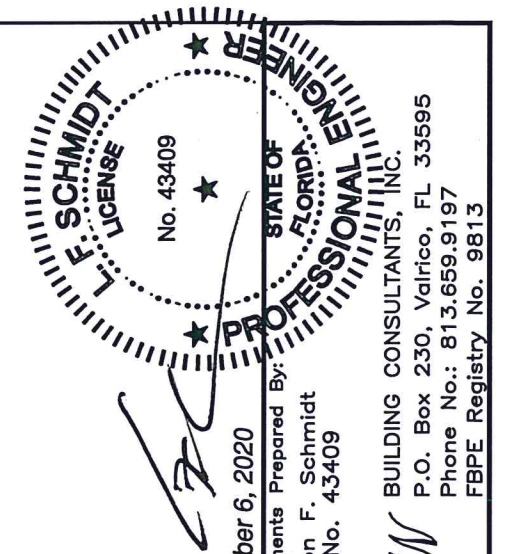
MODEL NO. EZ10SCANH (SHOWN)

| MODEL NUMBER                                                           | DESIGN PRESSURE (PSF) |          |
|------------------------------------------------------------------------|-----------------------|----------|
|                                                                        | POSITIVE              | NEGATIVE |
| EZ10SCAK<br>EZ10SCANH<br>EZ10HRANH<br>EZ10PRO3<br>EZ10ECL<br>EZ10HRECL | +90.0                 | -90.0    |
| EZ14SCANH<br>EZ14HRANH<br>EZ14PRO3                                     | +80.0                 | -80.0    |



MODEL NO. EZ10SCG (SHOWN)

| MODEL NUMBER       | DESIGN PRESSURE (PSF) |          |
|--------------------|-----------------------|----------|
|                    | POSITIVE              | NEGATIVE |
| EZ10SCG<br>EZ10HRG | +65.0                 | -65.0    |
| EZ14SCG<br>EZ14HRG | +50.0                 | -50.0    |



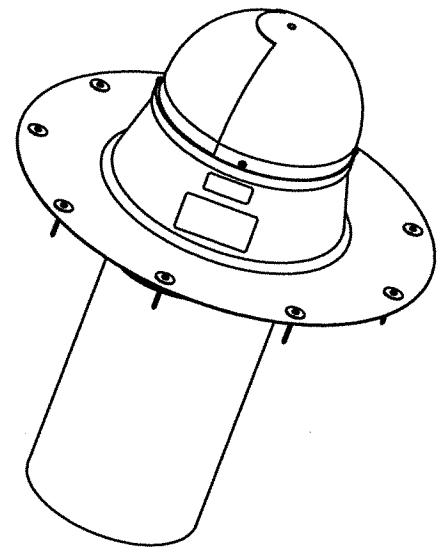
October 6, 2020

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

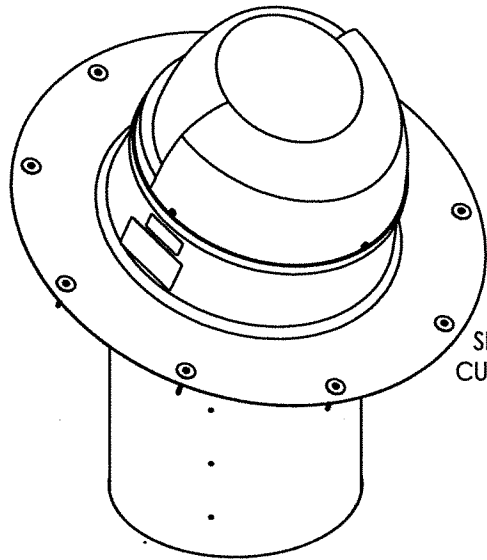
BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT:  
NATURAL LIGHT  
ENERGY SYSTEMS

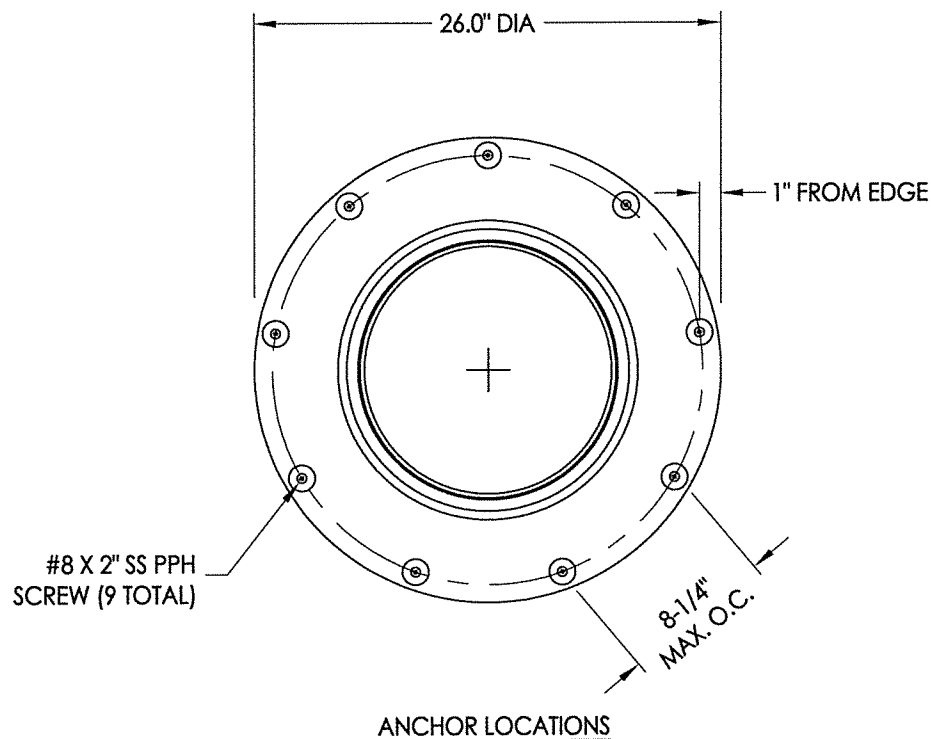
PART OR ASSEMBLY:  
TYPICAL ELEVATION, DESIGN  
PRESSURES & GENERAL NOTES



MODEL NO. EZ10SCMNH  
MODEL NO. EZ10HRMNH  
MODEL NO. EZ10PRO2



MODEL NO. EZ14SCMNH  
MODEL NO. EZ14HRMNH  
MODEL NO. EZ14PRO2



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

ACRYLIC (AREKMA PLEXIGLASS MI-7)  
DOME  
(0.115" NOMINAL THICKNESS)

ADJUSTABLE TUBE

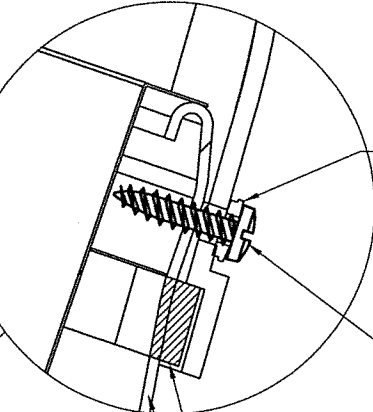
CONNECTING TUBE  
(VARIES PER MODEL)

JOINT TAPE  
(BOTH ENDS OF  
CONNECTING TUBE)

DIFFUSER RING

DIFFUSER

DRYWALL  
(SUPPLIED BY OTHERS)



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

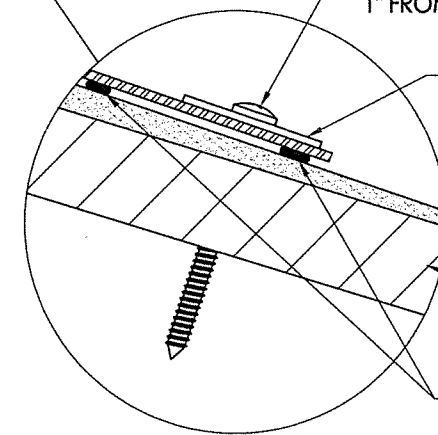
#8 X 3/4" PPH SS SCREW  
w/ SILICONE SEALANT  
(4 TOTAL, EQ. SPACED)

10 mm X 12mm FOAM TAPE

0.065" ALUMINUM FLASHING

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

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.

October 6, 2020  
Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

**FLORIDA PROFESSIONAL ENGINEER**  
F. SCHMIDT  
LICENSE  
No. 43409

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

| 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-21361.1  
SHEET 2 OF 4

Technical drawing of a square plate with an octagonal hole and a circular hole. The drawing includes the following dimensions and features:

- Overall width: 25.875" MAX
- Overall height: 27.125" MAX
- Central circular hole with a centerline symbol (C).
- Octagonal hole with a centerline symbol (C).
- Pre-punched holes (8 total) located at the corners of the octagonal hole, with a dimension of 3/4" FROM EDGE.
- A circular feature (possibly a hole or a fastener) located at the bottom center of the plate.

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

ADJUSTABLE TUBE

CONNECTING TUBE  
(VARIES PER MODEL)

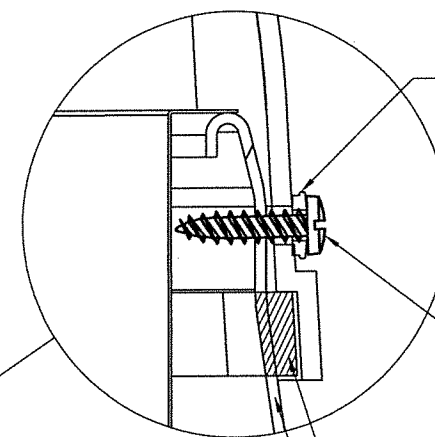
JOINT TAPE  
(BOTH ENDS OF  
CONNECTING TUBE)

DIFFUSER RING

— DRYWALL  
(SUPPLIED BY OTHERS)

SECTION VIEW

EZ14SCANH (SHOWN)  
EZ10SCANH (SIMILAR)  
EZ14HRANH (SIMILAR)  
EZ10HRANH (SIMILAR)  
EZ10SCAK (SIMILAR)  
EZ14PRO3 (SIMILAR)  
EZ10PRO3 (SIMILAR)  
EZ10ECL (SIMILAR - w/ DIMMER)  
EZ10HRECL (SIMILAR - w/ DIMMER)



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

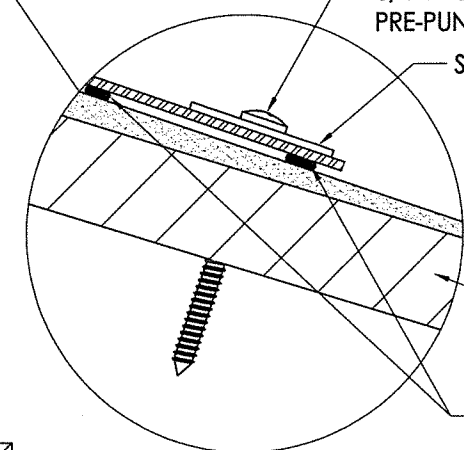
— #8 X 3/4" PPH SS SCREW  
w/ SILICONE SEALANT  
(4 TOTAL, EQ. SPACED)

— 10 mm X 12mm FOAM TAPE

0.125" POLYETHYLENE FLASHING

— SHINGLES  
(SUPPLIED BY OTHERS)

— SEE NOTE 1



#8 X 2" SS PPH SCREW  
— 3/4" FROM EDGE THRU  
PRE-PUNCHED HOLES

— SS FENDER WASHER

— SEE NOTE 1

SEALANT

DATE: 10/20/16

SCALE: N.T.S.

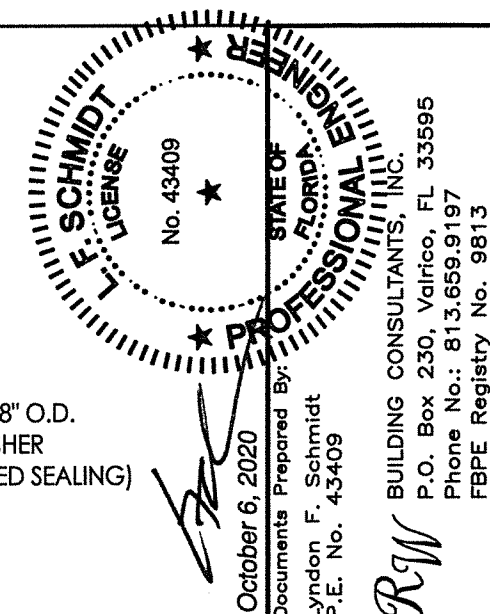
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-21361.1

SHEET 3 OF 4



October 6, 2020

Documents Prepared By:

Lyndon F. Schmidt  
P.E. No. 43409

RW

**CONAL**  
**BUILDING CONSULTANTS, INC.**

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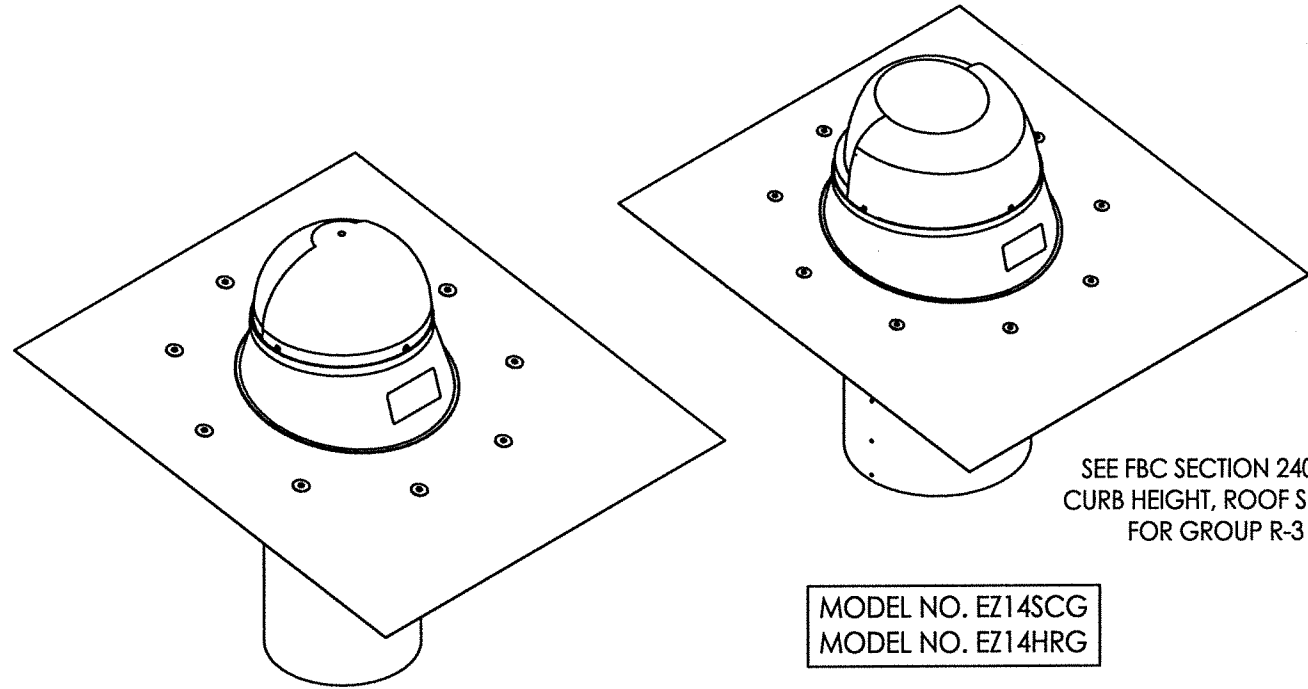
PRODUCT: NATURAL LIGHT ENERGY SYSTEMS

PART OR ASSEMBLY: SKYLIGHT DETAIL S

|     |          |                          |         |
|-----|----------|--------------------------|---------|
| NO. | DATE     | REVISIONS                |         |
| 2   | 10/06/20 | UPDATE TO 7TH ED. (2020) | FBC LFS |
| 1   | 12/19/17 | UPDATE TO 6TH ED. (2017) | FBC LFS |
|     |          |                          | BY      |

|   |   |     |      |
|---|---|-----|------|
| 1 | 6 | NO. | DATE |
|---|---|-----|------|

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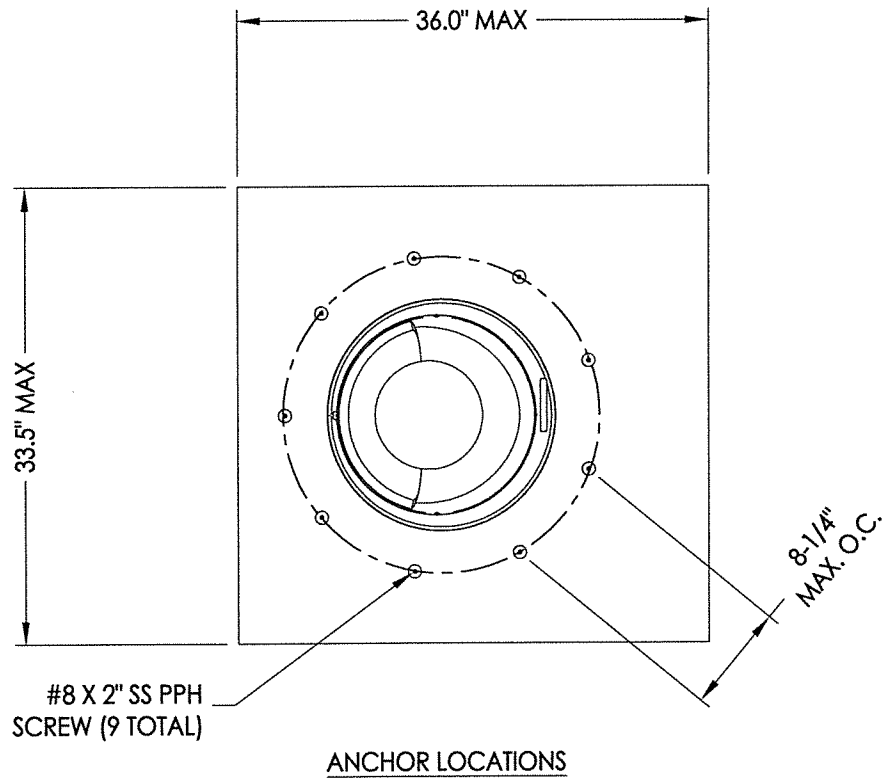


MODEL NO. EZ10SCG  
MODEL NO. EZ10HRG

MODEL NO. EZ14SCG  
MODEL NO. EZ14HRG

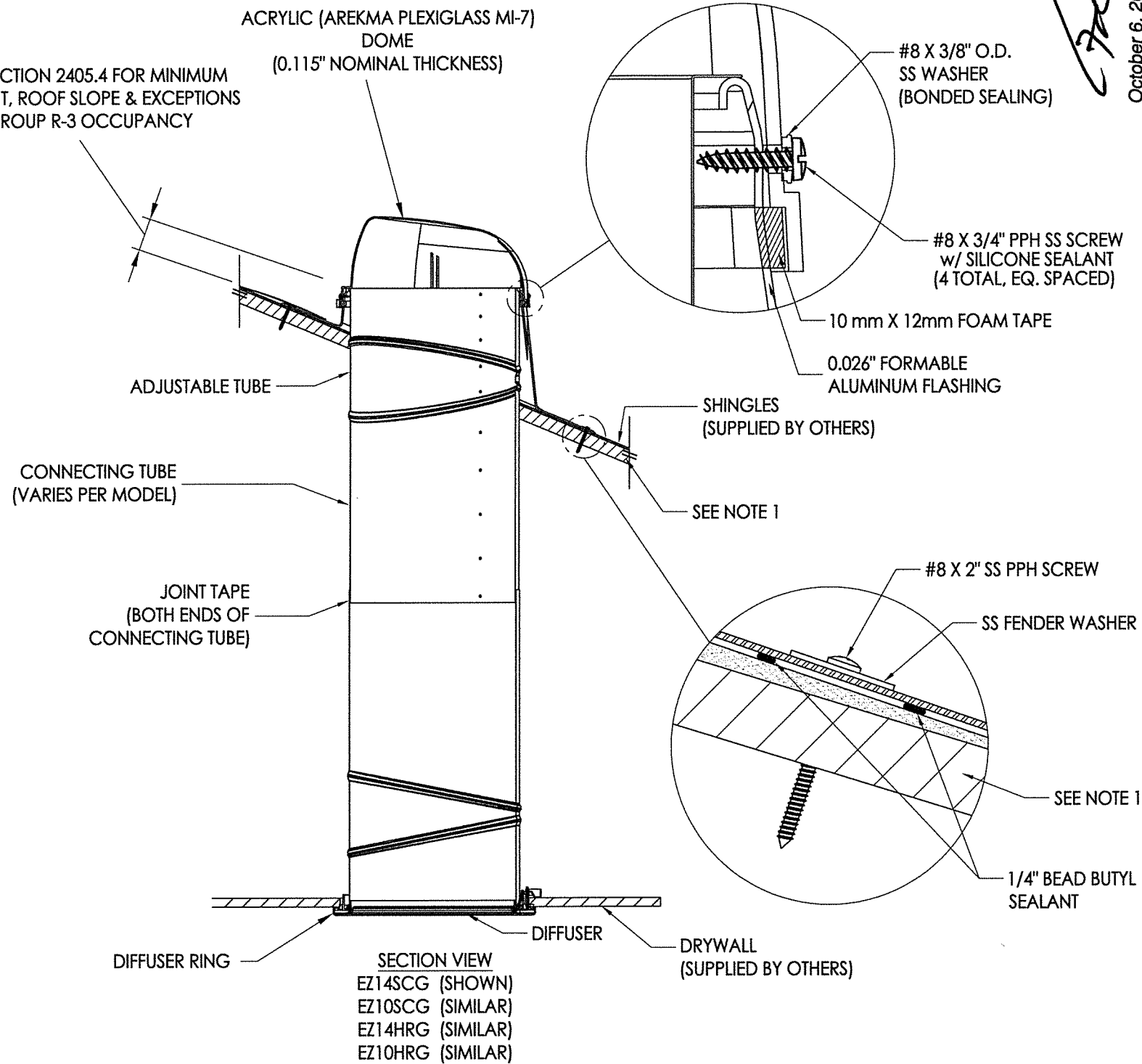
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NOTE:  
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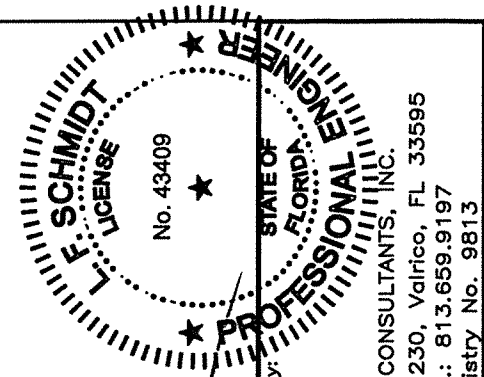


#8 X 2" SS PPH  
SCREW (9 TOTAL)

ANCHOR LOCATIONS



SECTION VIEW  
EZ14SCG (SHOWN)  
EZ10SCG (SIMILAR)  
EZ14HRG (SIMILAR)  
EZ10HRG (SIMILAR)



October 6, 2020

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| CHK. BY: LFS                 |          |                              |           |
| DRAWING NO.: FL-21361.1      |          |                              |           |
| SHEET 4 OF 4                 |          |                              |           |