

# LUXVIEW

## SKY130i SKYLIGHT WINDOW (WZ4)(IMPACT)

LUXVIEW

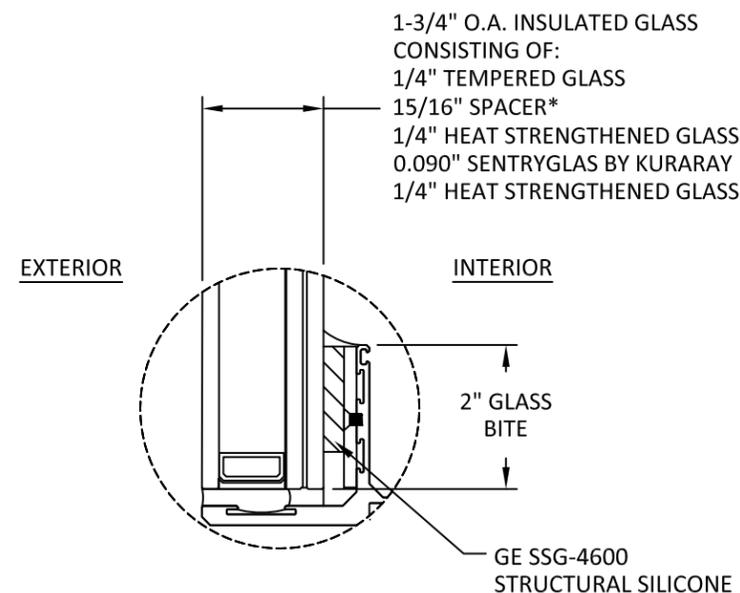
12605 OLD HICKORY BLVD, SUITE 100  
ANTIOCH, TN 37013  
PH: 903-456-8889

### GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
  - AAMA/WDMA/CSA 101/I.S.2/A440-17
  - ASTM E1886-19
  - ASTM E1996-20
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF  $\pm 1/2$  INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING SMALL OR LARGE IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: ALUMINUM 6063-T5
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.
- SIZES NOT SHOWN IN DESIGN PRESSURE TABLES ON SHEET 2 ARE AVAILABLE, SO LONG AS MAX SIZES ARE NOT EXCEEDED. THE ASSOCIATED DESIGN PRESSURE WILL BE ASSIGNED EQUAL TO NEXT LARGER SIZE SHOWN IN THE TABLES.
- FLASHING/WEATHERPROOFING ARE BY OTHERS AND SHOULD FOLLOW MANUFACTURER INSTRUCTIONS.

\*NOTE: APPROVED SPACER MATERIAL

- PLASTIC HYBRID STAINLESS STEEL
- PLASTIC HYBRID NON-METAL FOIL
- STAINLESS STEEL
- THERMOPLASTIC



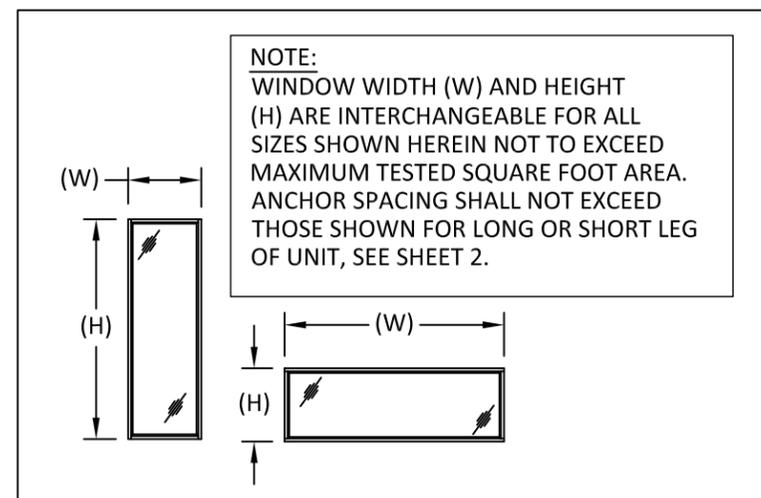
**GLAZING DETAIL 1**

### GLAZING NOTES:

- GLASS TYPE COMPLIES WITH ASTM E1300 REQUIREMENTS. PER THE FBC TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
- SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
- SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
- D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES SHOWN HEREIN.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES AND GLAZING DETAIL
2	ELEVATION AND DESIGN PRESSURE TABLES
3	ANCHOR LAYOUTS
4	VERTICAL SECTIONS
5	HORIZONTAL SECTIONS
6	ANCHOR DETAILS AND INSTALLATION NOTES

DESIGN PRESSURE RATING (PSF)				
CONFIGURATION	WIDTH (IN.)	HEIGHT (IN.)	DESIGN PRESSURE	MISSILE IMPACT RATING
O	SEE SHEET 2	SEE SHEET 2	SEE SHEET 2	LARGE AND SMALL MISSILE IMPACT

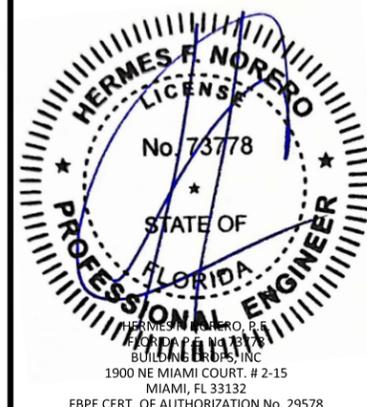


TITLE: SKY130i SKYLIGHT WINDOW (WZ4) (IMPACT)  
GENERAL NOTES & GLAZING DETAIL

PREPARED BY: BUILDING DROPS, INC.  
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REMARKS	BY	DATE

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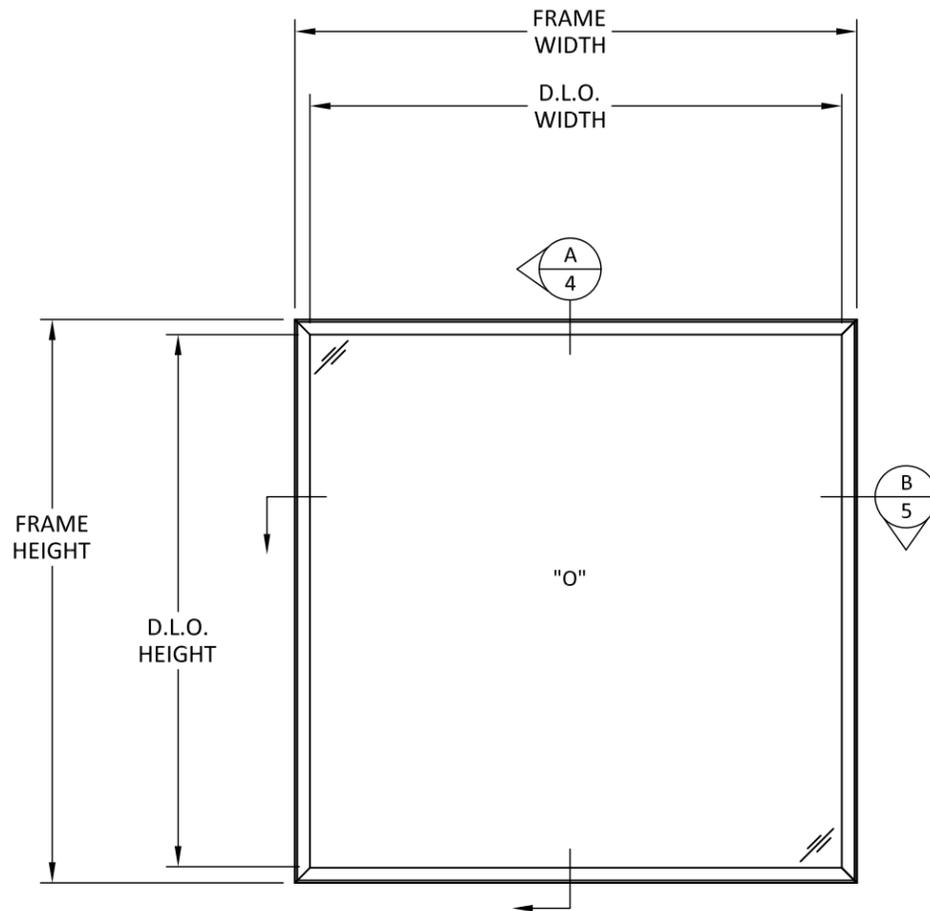
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SCALE: **NTS**

DWG. #: **LUX002**

SHEET: **1** OF 6

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**ELEVATION**

D.L.O. HEIGHT = FRAME HEIGHT - 5.125"  
D.L.O. WIDTH = FRAME WIDTH - 5.125"

DESIGN PRESSURE TABLE (PSF)			
NOMINAL DIMS.		POS. (+)	NEG. (-)
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)		
24	96	90.0	90.0
30		90.0	90.0
36		90.0	90.0
42		90.0	90.0
48		90.0	90.0
54		90.0	90.0
60		90.0	90.0
66		90.0	90.0
72		90.0	90.0
78		90.0	90.0
84		90.0	90.0
90		90.0	90.0
96	90.0	90.0	
24	102	90.0	90.0
30		90.0	90.0
36		90.0	90.0
42		90.0	90.0
48		90.0	90.0
54		90.0	90.0
60		90.0	90.0
66		90.0	90.0
72		90.0	90.0
78		90.0	90.0
84		87.0	87.0
90		86.0	86.0
24	108	90.0	90.0
30		90.0	90.0
36		90.0	90.0
42		90.0	90.0
48		90.0	90.0
54		90.0	90.0
60		90.0	90.0
66		90.0	90.0
72		90.0	90.0
78		87.0	87.0
84		84.0	84.0
90		90.0	90.0
24	114	90.0	90.0
30		90.0	90.0
36		90.0	90.0
42		90.0	90.0
48		90.0	90.0
54		90.0	90.0
60		90.0	90.0
66		90.0	90.0
72		88.0	88.0
78		84.0	84.0

DESIGN PRESSURE TABLE (PSF)				
NOMINAL DIMS.		POS. (+)	NEG. (-)	
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)			
24	120	90.0	90.0	
30		90.0	90.0	
36		90.0	90.0	
42		90.0	90.0	
48		90.0	90.0	
54		90.0	90.0	
60		90.0	90.0	
66		90.0	90.0	
72		86.0	86.0	
24		126	90.0	90.0
30			90.0	90.0
36			90.0	90.0
42	90.0		90.0	
48	90.0		90.0	
54	90.0		90.0	
60	90.0		90.0	
66	89.0		89.0	
72	84.0		84.0	
24	132		90.0	90.0
30			90.0	90.0
36			90.0	90.0
42		90.0	90.0	
48		90.0	90.0	
54		90.0	90.0	
60		90.0	90.0	
66		87.0	87.0	
24		138	90.0	90.0
30			90.0	90.0
36			90.0	90.0
42			90.0	90.0
48	90.0		90.0	
54	90.0		90.0	
60	90.0		90.0	
66	86.0		86.0	
24	144		90.0	90.0
30			90.0	90.0
36			90.0	90.0
42			90.0	90.0
48		90.0	90.0	
54		90.0	90.0	
60		90.0	90.0	
24		150	90.0	90.0
30			90.0	90.0
36			90.0	90.0
42			90.0	90.0
48			90.0	90.0
54	90.0		90.0	
60	90.0		90.0	

DESIGN PRESSURE TABLE (PSF)				
NOMINAL DIMS.		POS. (+)	NEG. (-)	
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)			
24	156	90.0	90.0	
30		90.0	90.0	
36		90.0	90.0	
42		90.0	90.0	
48		90.0	90.0	
54		90.0	90.0	
24		162	90.0	90.0
30			90.0	90.0
36			90.0	90.0
42			90.0	90.0
48			90.0	90.0
54			90.0	90.0
24	168		90.0	90.0
30			90.0	90.0
36			90.0	90.0
42			90.0	90.0
48			90.0	90.0
54			90.0	90.0
24		174	90.0	90.0
30			90.0	90.0
36			90.0	90.0
42			90.0	90.0
48			90.0	90.0
54			90.0	90.0
24	180		90.0	90.0
30			90.0	90.0
36			90.0	90.0
42			90.0	90.0
48			90.0	90.0
54			90.0	90.0
24		186	90.0	90.0
30			90.0	90.0
36			90.0	90.0
42			90.0	90.0
48			90.0	90.0
54			90.0	90.0
24	192		90.0	90.0
30			90.0	90.0
36			90.0	90.0
42			90.0	90.0
48			90.0	90.0
54			90.0	90.0
24		198	90.0	90.0
30			90.0	90.0
36			90.0	90.0
42			90.0	90.0
48			90.0	90.0
54			90.0	90.0
24	204		90.0	90.0
30			90.0	90.0
36			90.0	90.0
42			90.0	90.0
48			90.0	90.0
54			90.0	90.0
24		210	90.0	90.0
30			90.0	90.0
36			90.0	90.0
42			90.0	90.0

DESIGN PRESSURE TABLE (PSF)				
NOMINAL DIMS.		POS. (+)	NEG. (-)	
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)			
24	216	90.0	90.0	
30		90.0	90.0	
36		90.0	90.0	
42		90.0	90.0	
24		222	90.0	90.0
30			90.0	90.0
36	90.0		90.0	
24	228		90.0	90.0
30			90.0	90.0
36			90.0	90.0
24		234	90.0	90.0
30			90.0	90.0
36			90.0	90.0
24	240		90.0	90.0
30			90.0	90.0
36			90.0	90.0
24		246	90.0	90.0
30			90.0	90.0
36			90.0	90.0
24	252		90.0	90.0
30			90.0	90.0
36			90.0	90.0
24		258	90.0	90.0
30			90.0	90.0
36			90.0	90.0
24	264		90.0	90.0
30			90.0	90.0
36			90.0	90.0
24		270	90.0	90.0
30			90.0	90.0
36			90.0	90.0
24	276		90.0	90.0
30			90.0	90.0
36			90.0	90.0
24		282	90.0	90.0
30			90.0	90.0
36			90.0	90.0
24	288		90.0	90.0
30			90.0	90.0
36			90.0	90.0
24		294	90.0	90.0
30			90.0	90.0
36			90.0	90.0
24	300		90.0	90.0
30			90.0	90.0
36			90.0	90.0
24		306	90.0	90.0
30			90.0	90.0
36			90.0	90.0
24	384		90.0	90.0

TITLE: SKY1301 SKYLIGHT WINDOW (WZ4) (IMPACT)  
ELEVATION & DESIGN PRESSURE TABLES

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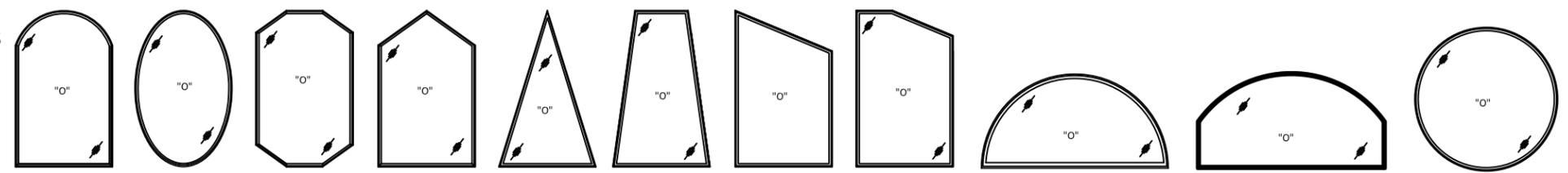
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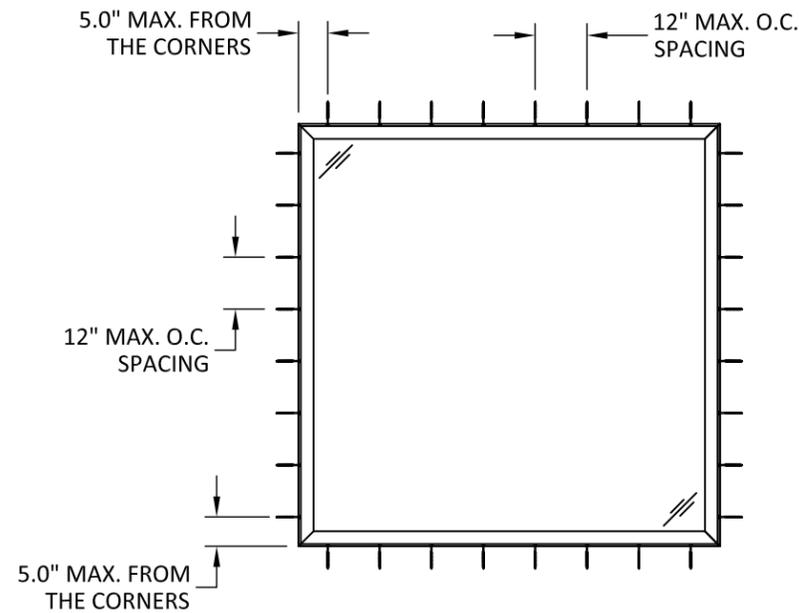
SHEET: **2**

**QUALIFIED SHAPES**

NOTE: TYPICAL SHAPES SHOWN. ANY SHAPE IS QUALIFIED. INSCRIBED SHAPE IS LIMITED TO THE RECTANGLE MAX. WIDTH AND HEIGHT IN DP TABLES ON SHEET 2. DESIRED SHAPES MUST BE CONFIRMED WITH LUXVIEW PRIOR TO PRODUCTION TO ENSURE MANUFACTURABILITY.

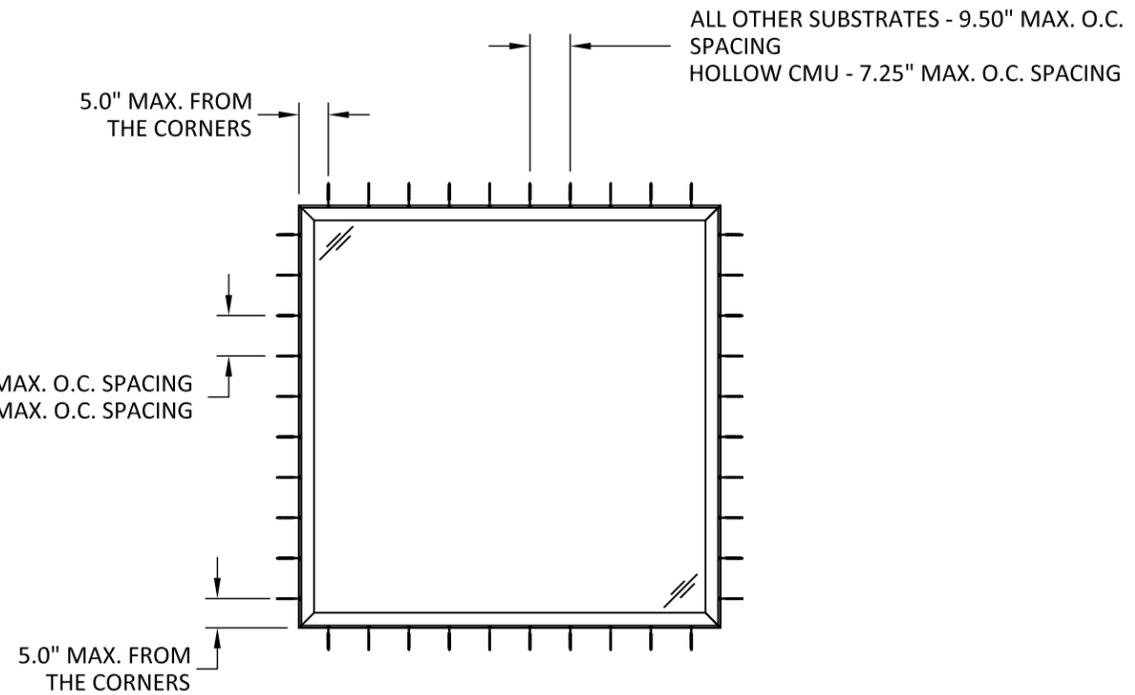


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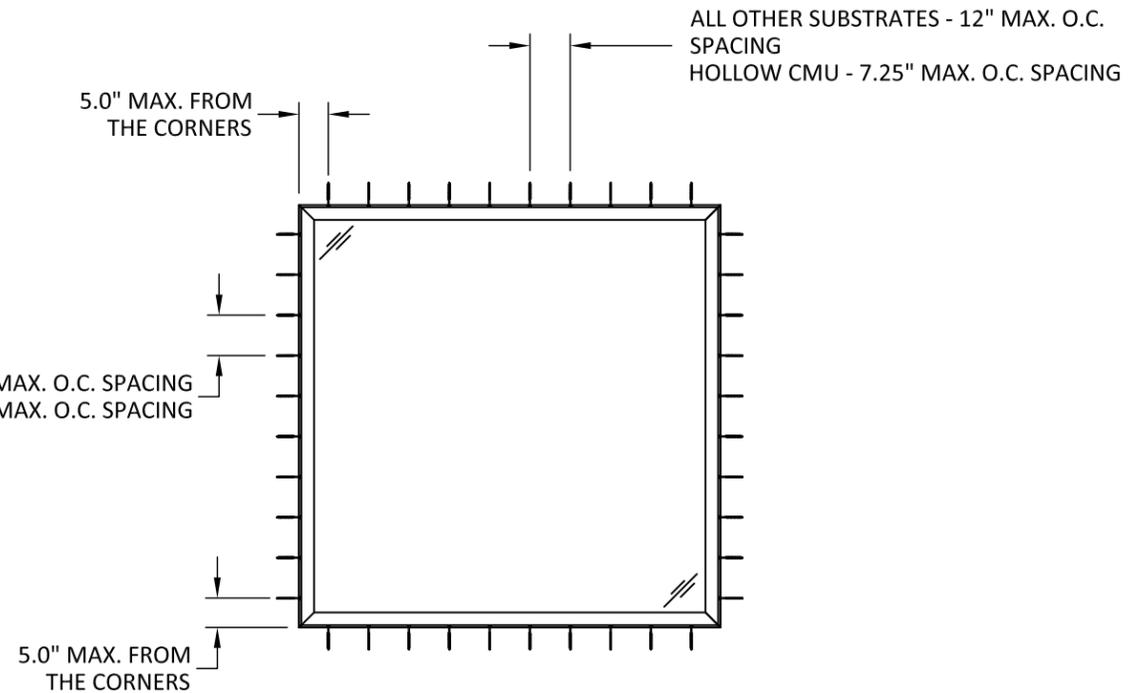
**ANCHOR LAYOUT**  
SKYLIGHT WINDOW  
FLUSH INSTALLATION

ALL OTHER SUBSTRATES - 9.50" MAX. O.C. SPACING  
HOLLOW CMU - 7.25" MAX. O.C. SPACING



**ANCHOR LAYOUT**  
SKYLIGHT WINDOW  
CURB INSTALLATION

ALL OTHER SUBSTRATES - 12" MAX. O.C. SPACING  
HOLLOW CMU - 7.25" MAX. O.C. SPACING



**ANCHOR LAYOUT**  
SKYLIGHT WINDOW  
CURB INSTALLATION  
UP TO 75 PSF

LUXVIEW

12605 OLD HICKORY BLVD, SUITE 100  
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PH: 903-456-8889

TITLE: SKY1301 SKYLIGHT WINDOW  
(WZ4) (IMPACT)

ANCHOR LAYOUTS

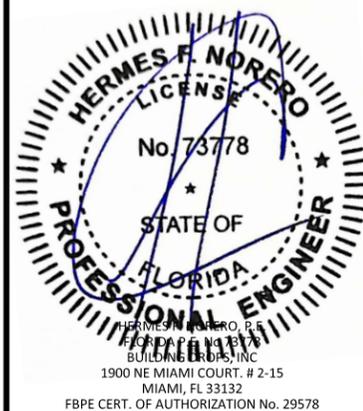
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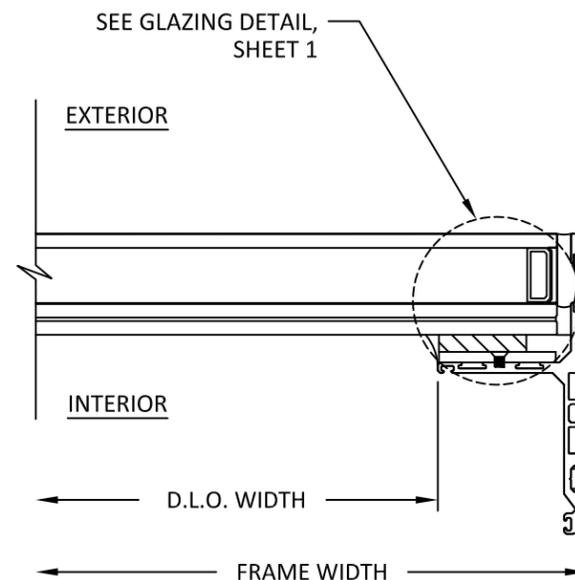
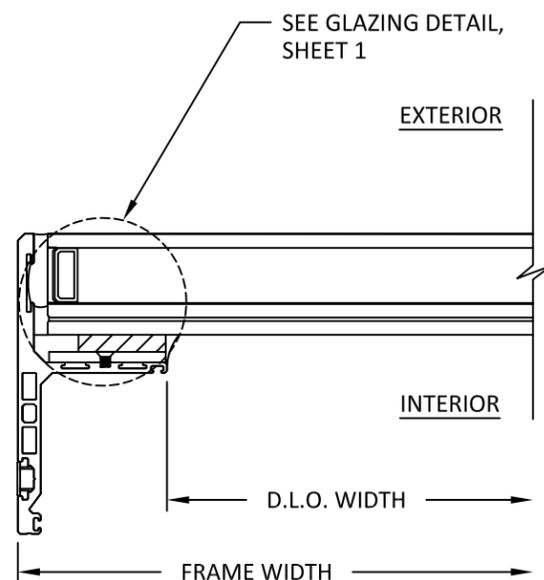
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DWG. #: **LUX002**

SHEET:  
**3**  
OF 6



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**B**  
**5** HORIZONTAL SECTION

LUXVIEW

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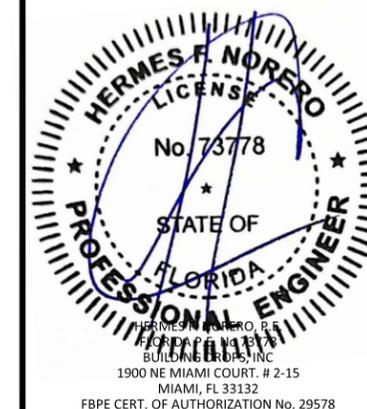
HORIZONTAL SECTIONS

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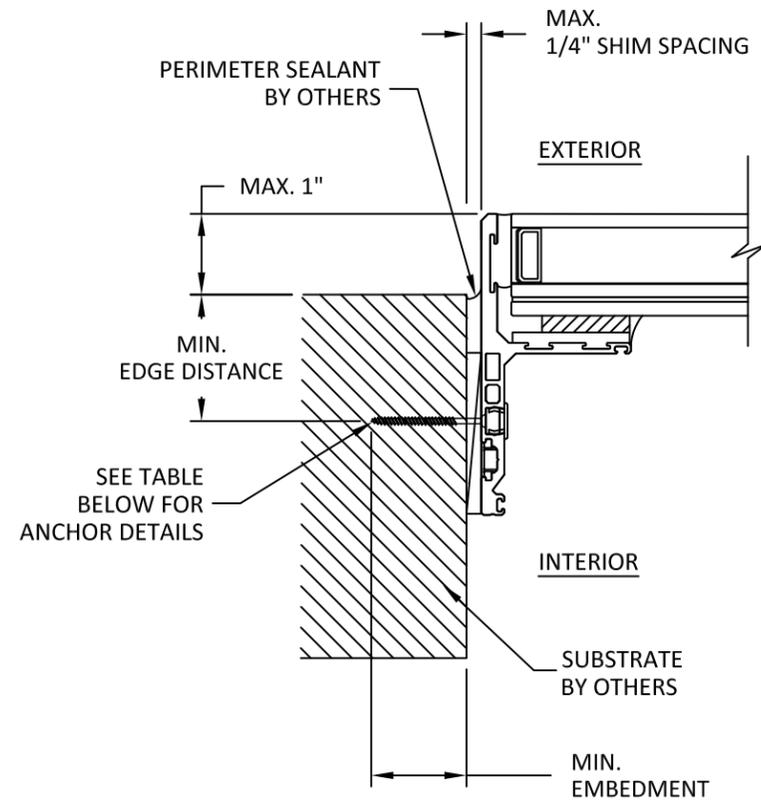
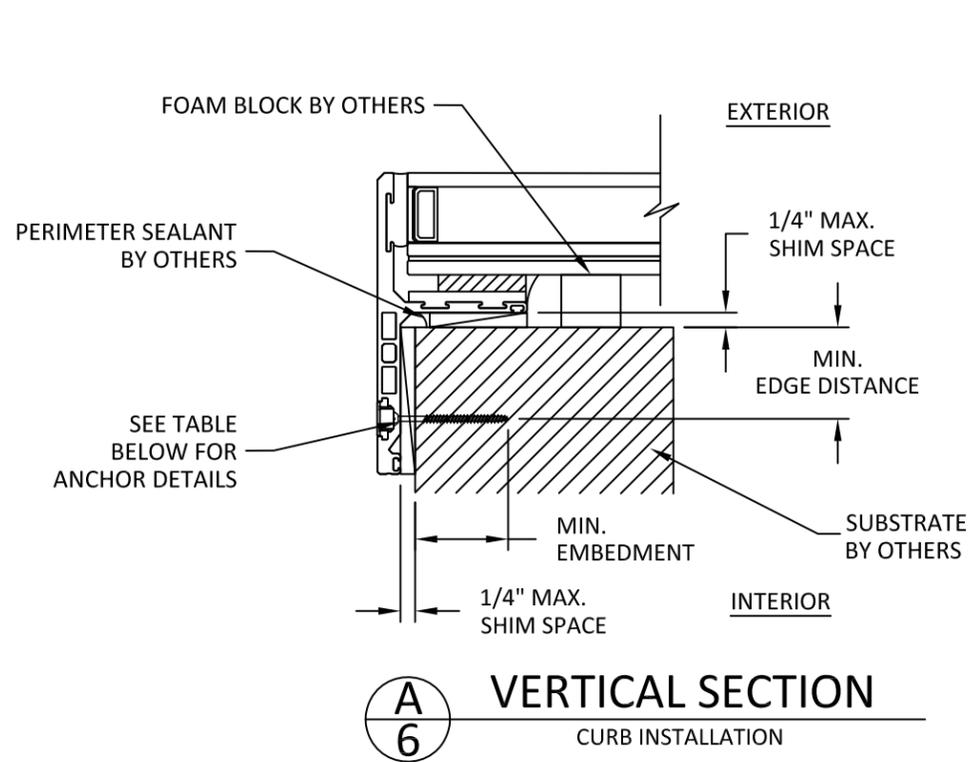
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DWG. #: **LUX002**

SHEET:  
**5**

OF 6

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**INSTALLATION NOTES:**

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED ON SHEET 3.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF  $\pm 1/2$  INCH OF THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR MASONRY OR CONCRETE OPENINGS, A 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- FLASHING/WEATHERPROOFING ARE BY OTHERS AND SHOULD FOLLOW MANUFACTURER INSTRUCTIONS.

**B**  
**6**  
**VERTICAL SECTION**  
FLUSH INSTALLATION

ANCHOR SCHEDULE					
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE	SPACING
CURB INSTALLATION	WOOD: MIN. SG = 0.55	#10 WOOD SCREW	1.50"	0.75"	SEE SHEET 3
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI ALUMINUM: 1/8" MIN., 6063-T5	#10 SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND STRUCTURE	0.50"	
	CONCRETE: f <sub>c</sub> =3000PSI	3/16" DEWALT ULTRACON+	1.75"	1.00"	
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" DEWALT ULTRACON+	1.25"	1.00"	
	MASONRY: GROUT-FILLED CMU per ASTM C90 MIN. 2000 PSI	3/16" DEWALT ULTRACON+	1.25"	1.00"	
FLUSH INSTALLATION	WOOD: MIN. SG = 0.55	#10 WOOD SCREW	1.50"	0.75"	SEE SHEET 3
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI ALUMINUM: 1/8" MIN., 6063-T5	#10 SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND STRUCTURE	0.50"	
	CONCRETE: f <sub>c</sub> =3000PSI	3/16" DEWALT ULTRACON+	1.375"	2.50"	
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" DEWALT ULTRACON+	1.375"	2.50"	

LUXVIEW

12605 OLD HICKORY BLVD, SUITE 100  
ANTIOCH, TN 37013  
PH: 903-456-8889

TITLE: SKY1301 SKYLIGHT WINDOW (WZ4) (IMPACT)  
ANCHOR DETAILS & INSTALLATION NOTES

PREPARED BY:  
**BUILDING DROPS, INC.**  
1900 NE MIAMI COURT, STE. 2-15  
MIAMI, FL 33132  
PH: (954)399-8478  
FAX: (954)744-4738  
WEB: www.buildingdrops.com



REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL #: **FL47999**

DATE: **01.27.2026**

DWG. BY: **DI**      CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **LUX002**

SHEET: **6**