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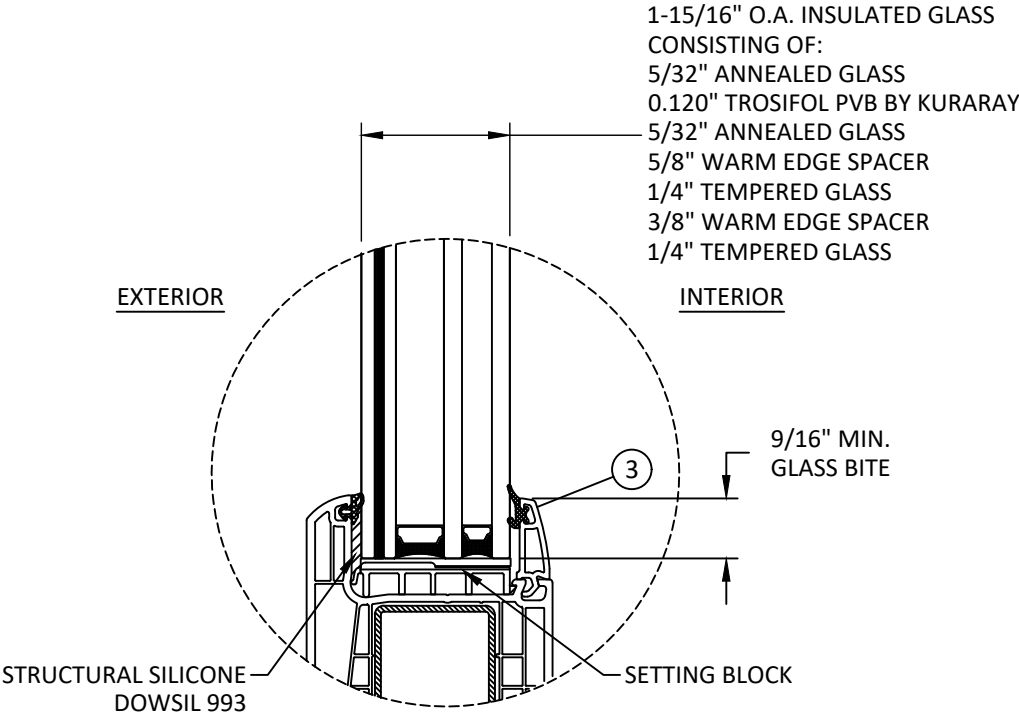
DRUTEX S.A.

IGLO ENERGY SWING DOOR

(HVHZ)(IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC), **INCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
2. 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.
3. 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.
4. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±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.
5. 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.
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
7. DOOR FRAME MATERIAL: uPVC
8. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAIL.



GLAZING DETAIL 1

GLAZING NOTES:

1. GLASS TYPE COMPLIES WITH ASTM E1300 REQUIREMENTS. PER THE FBC TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
4. 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 & DESIGN PRESSURE TABLE
3	ANCHOR LAYOUT
4	VERTICAL SECTION
5	HORIZONTAL SECTION
6	ANCHOR DETAILS & INSTALLATION NOTES
7	BILL OF MATERIALS & COMPONENTS

DESIGN PRESSURE RATING (PSF)				
CONFIGURATION	WIDTH (IN.)	HEIGHT (IN.)	DESIGN PRESSURE	MISSILE IMPACT RATING
X	SEE TABLE ON SHEET 2			LARGE & SMALL MISSILE IMPACT



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IGLO ENERGY
SWING DOOR
(HVHZ)(IMPACT)
GENERAL NOTES &
GLAZING DETAIL

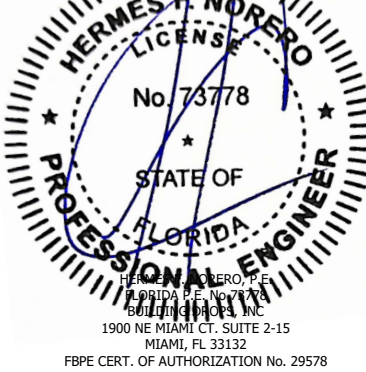
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REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.02.12 11:26:20 -0500



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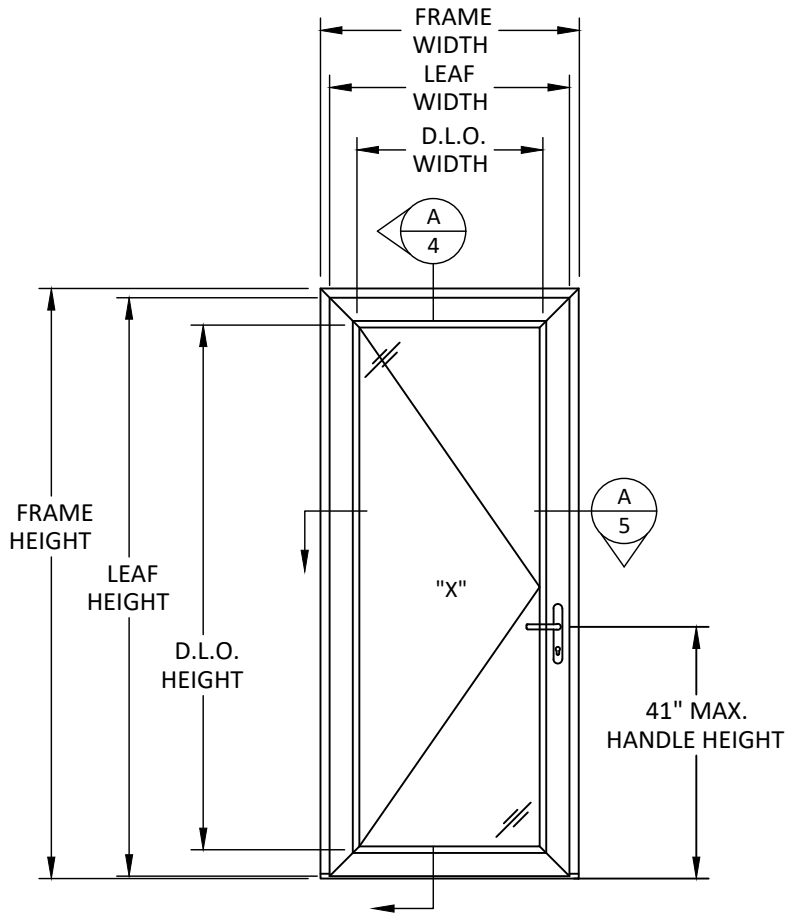
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SHEET:

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ELEVATION
SWING DOOR

LEAF HEIGHT = FRAME HEIGHT - 3.000"
LEAF WIDTH = FRAME WIDTH - 3.000"
D.L.O. HEIGHT = FRAME HEIGHT - 9.000"
D.L.O. WIDTH = FRAME WIDTH - 8.9375"

DESIGN PRESSURE TABLE (PSF)			
NOMINAL DIMS.		POS. (+)	NEG. (-)
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)		
30	78	70.0	70.0
36		70.0	70.0
42		70.0	70.0
48		70.0	70.0
30	84	70.0	70.0
36		70.0	70.0
42		70.0	70.0
48		70.0	70.0
30	90	70.0	70.0
36		70.0	70.0
42		70.0	70.0
48		70.0	70.0
30	96	70.0	70.0
36		70.0	70.0
42		70.0	70.0
48		70.0	70.0
30	102	70.0	70.0
36		66.2	66.2
30	108	65.7	65.7
36		55.5	55.5
30	114	55.7	55.7
30	120	47.6	47.6
30	126	41.0	41.0
30	132	35.6	35.6



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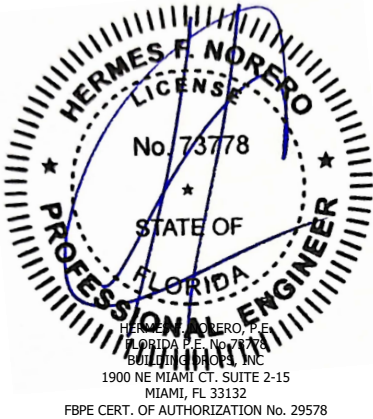
IGLO ENERGY
SWING DOOR
(HVHZ)/(IMPACT)
ELEVATION &
DESIGN PRESSURE TABLE

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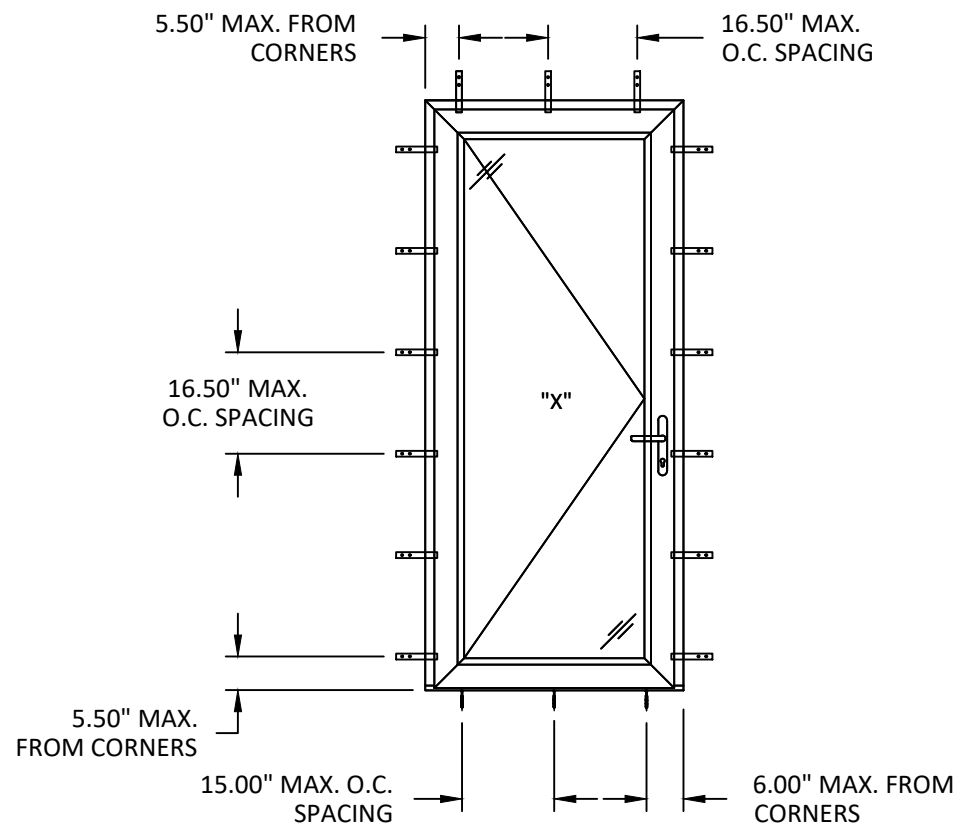
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ANCHOR LAYOUT
SWING DOOR
STRAP INSTALLATION: HEAD & JAMBS
THROUGH FRAME INSTALLATION: SILL

NOTE: TWO (2) INSTALLATION ANCHORS
PER STRAP LOCATION.



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(HVHZ)(IMPACT)

ANCHOR LAYOUT

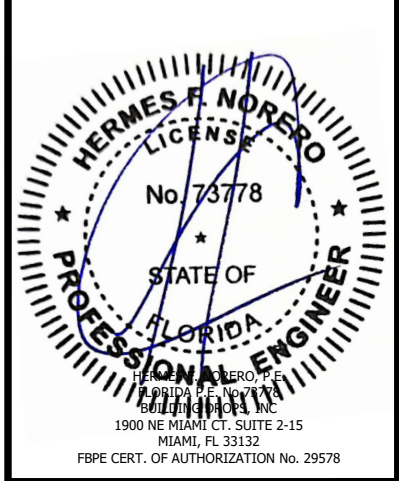
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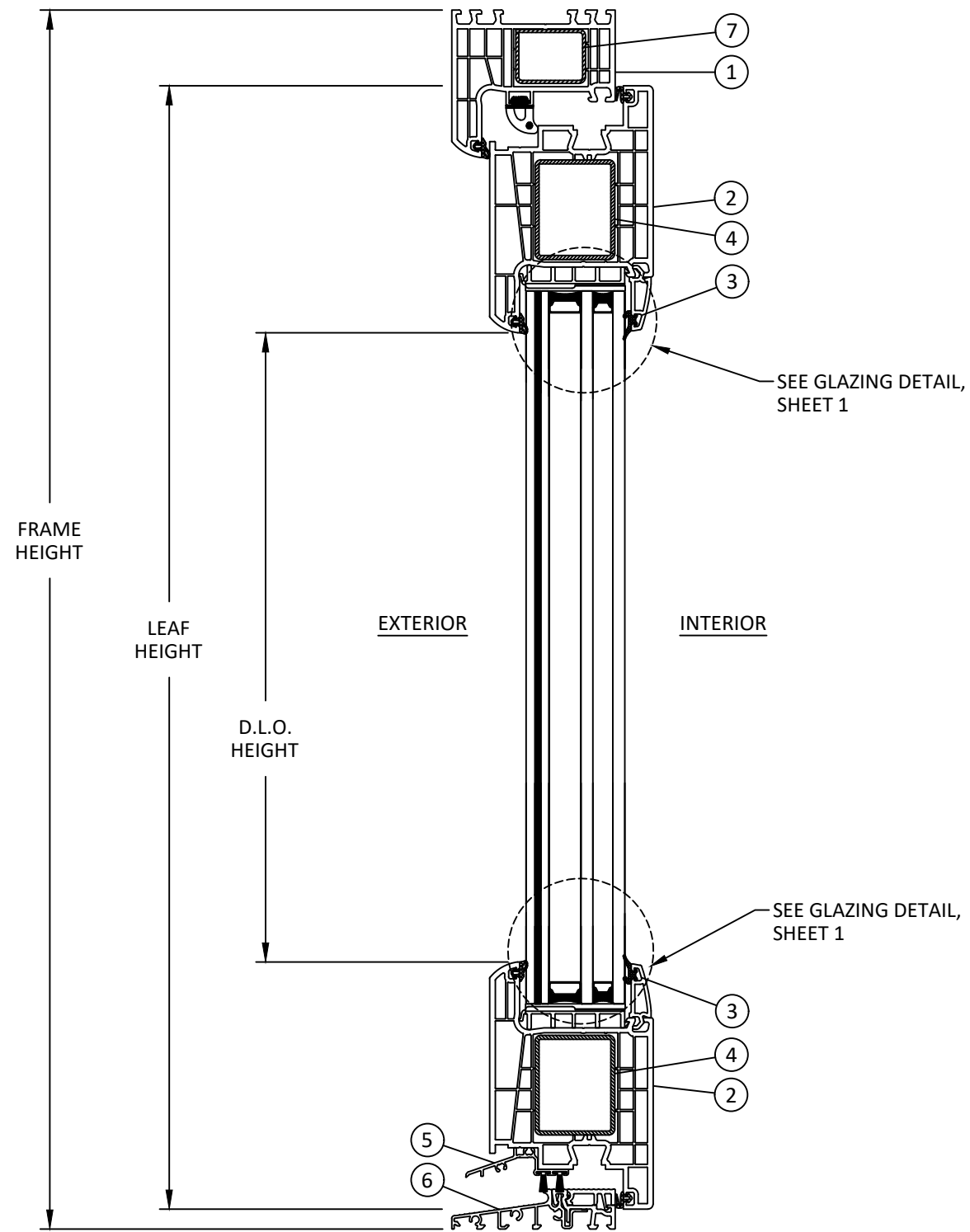
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A
4 VERTICAL SECTION

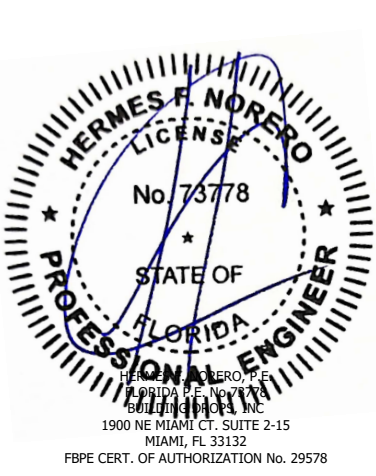


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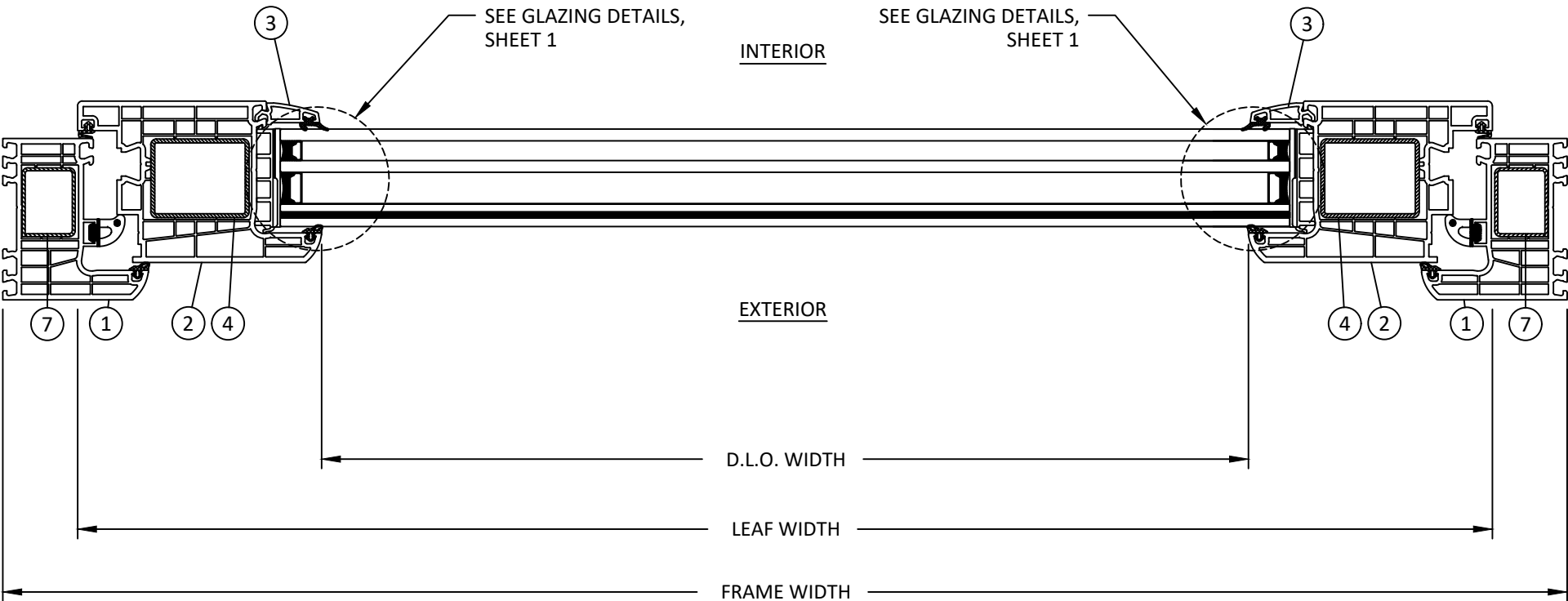
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A
5 HORIZONTAL SECTION



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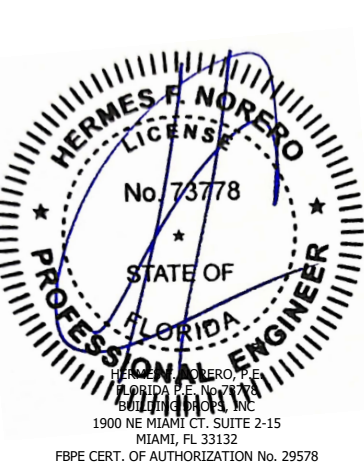
HORIZONTAL SECTION

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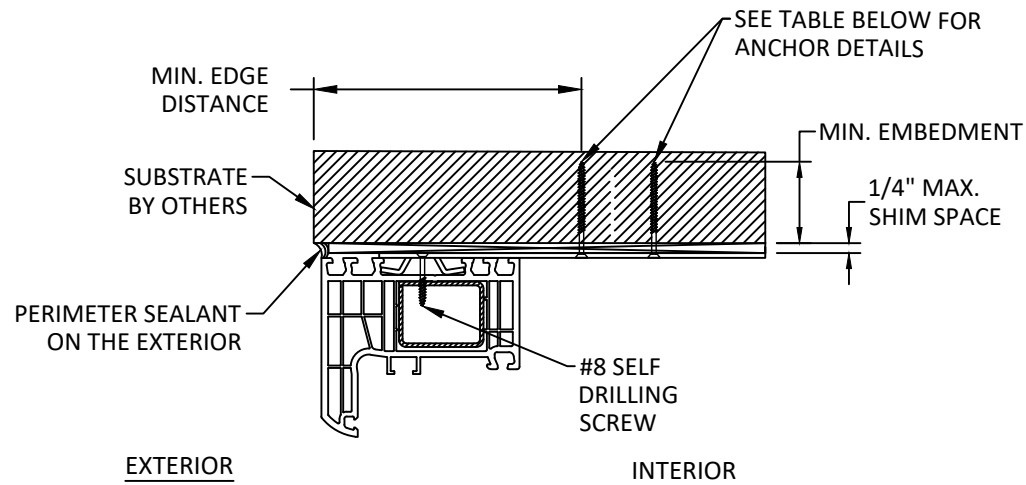
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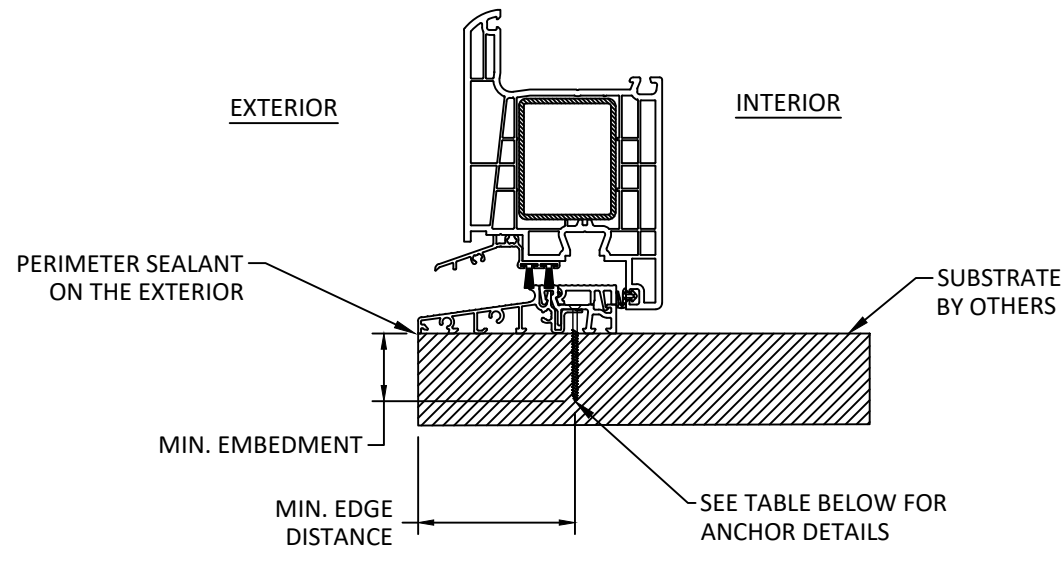
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A
6
VERTICAL SECTION
HEAD - STRAP
NOTE: JAMB SIMILAR



B
6
VERTICAL SECTION
SILL - THROUGH FRAME

INSTALLATION NOTES:

- ONE 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 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.

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
STRAP & THROUGH FRAME INSTALLATION	WOOD: MIN. SG = 0.55	#8 WOOD SCREW	1.50"	0.75"
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI ALUMINUM: 1/8" MIN., 6063-T5	#8 SELF-DRILLING SCREW	3 THREADS MIN. PENETRATION BEYOND STRUCTURE	0.50"
	CONCRETE: f'c=3000PSI	3/16" ITW TAPCON	1.75"	2.00"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON	1.00"	2.00"



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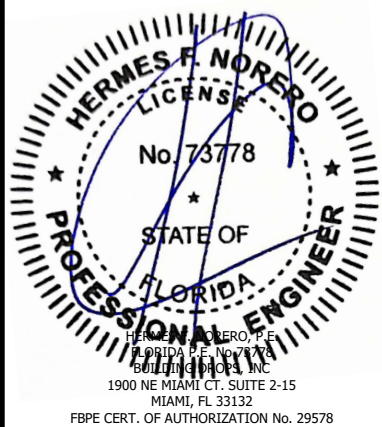
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IGLO ENERGY
SWING DOOR
(HVHZ)(IMPACT)
ANCHOR DETAILS
& INSTALLATION NOTES

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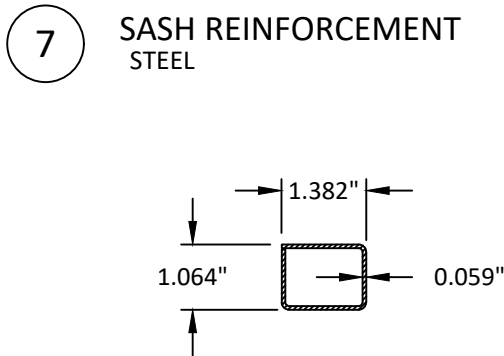
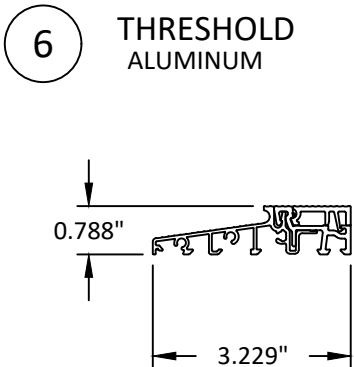
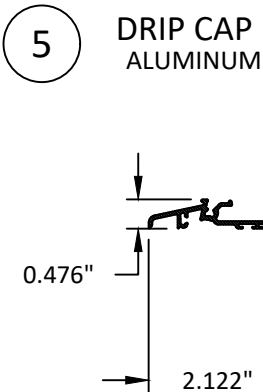
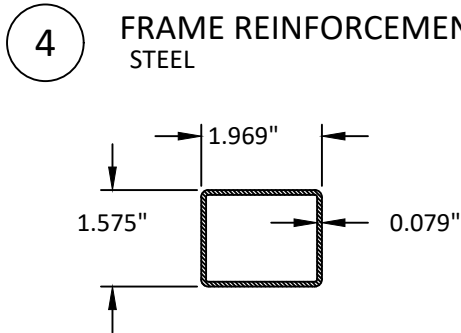
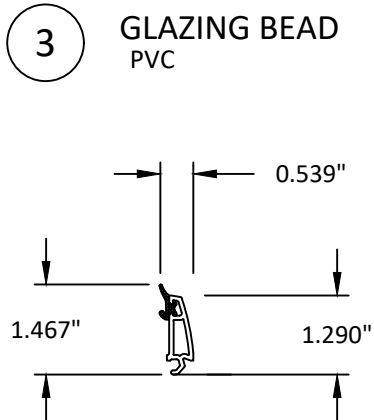
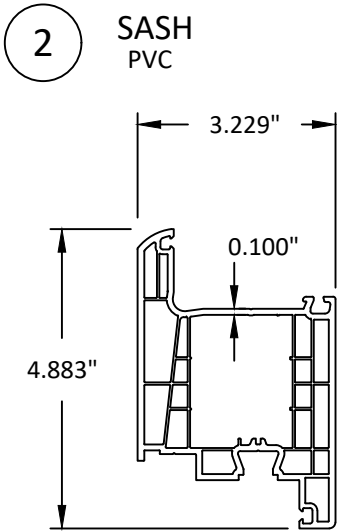
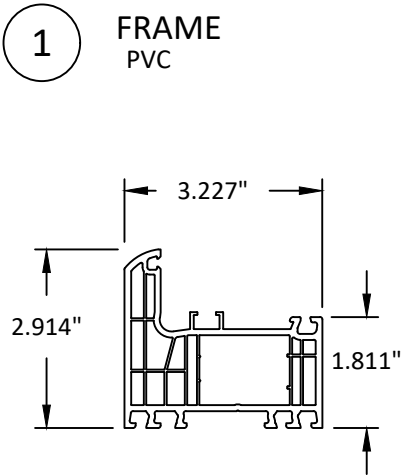
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BILL OF MATERIALS			
ITEM	PART NO.	DESCRIPTION	MATERIAL
1	80001	FRAME	PVC
2	80033	SASH	PVC
3	509930A	GLAZING BEAD	PVC
4	250032	REINFORCEMENT	STEEL
5	WSA549061	DRIP CAP	ALUMINUM
6	-	THRESHOLD	ALUMINUM
7	250923	REINFORCEMENT	STEEL
8	U001	GASKET	EPDM
9	U002	GASKET	EPDM
10	VZ7513	CENTRAL GASKET	EPDM
11	-	IGU BRIDGE + SETTING BLOCK	PVC
12	-	BD10 BRUSH	PVC
13	-	DRAIN PLUG	ASA
14	-	THRESHOLD COMB. 20 MM	ALU
15	-	DOWSIL 993 STRUCT. SILICONE	-
16	-	SHEET METAL SCREW 8-3/4"	GALV. STEEL



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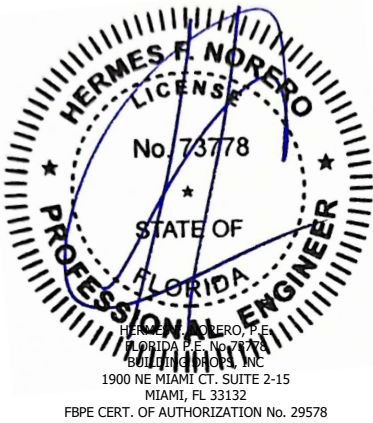
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