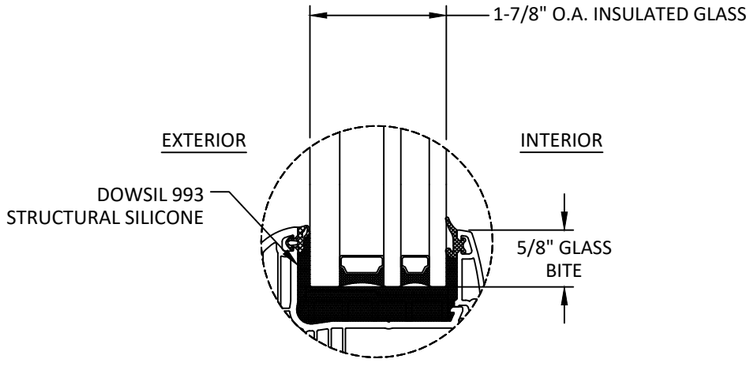
DRUTEX S.A.

IGLO ENERGY CLASSIC BALCONY DOOR (NON-HVHZ)(NON-IMPACT)

GENERAL NOTES:

1. 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
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 ±1/4 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 DETAIL 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 REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
7. WINDOW FRAME MATERIAL: uPVC
8. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAIL.
9. CUSTOM SIZES AVAILABLE UPON REQUEST. CUSTOM DESIGN PRESSURE WILL BE ASSIGNED EQUAL TO NEXT LARGER STANDARD SIZE.



GLAZING DETAIL 1

GLAZING NOTES:
1. GLASS TYPE SHALL COMPLY 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

DESIGN PRESSURE RATING (PSF)

CONFIGURATION	WIDTH (IN.)	HEIGHT (IN.)	DESIGN PRESSURE	MISSILE IMPACT RATING
X	SEE TABLE ON SHEET 2			NON-IMPACT

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TITLE: *IGLO ENERGY CLASSIC BALCONY DOOR (NON-HVHZ) (NON-IMPACT)*
GENERAL NOTES & GLAZING DETAIL

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
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WEB: www.buildingdrops.com

REMARKS	BY	DATE
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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.10.20 13:02:38 -04'00'

HERMES F. NORERO LICENSE No. 73778 STATE OF FLORIDA PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.
FLORIDA P.E. NO. 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL41838

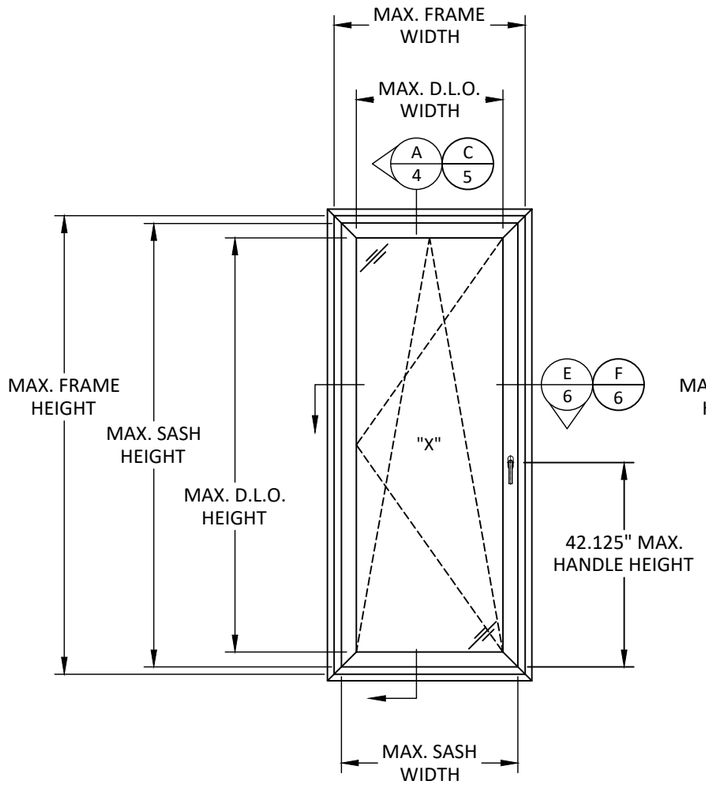
DATE: 12.12.2022

DWG. BY: SH | CHK. BY: HFN

SCALE: NTS

DWG. #: DRU008

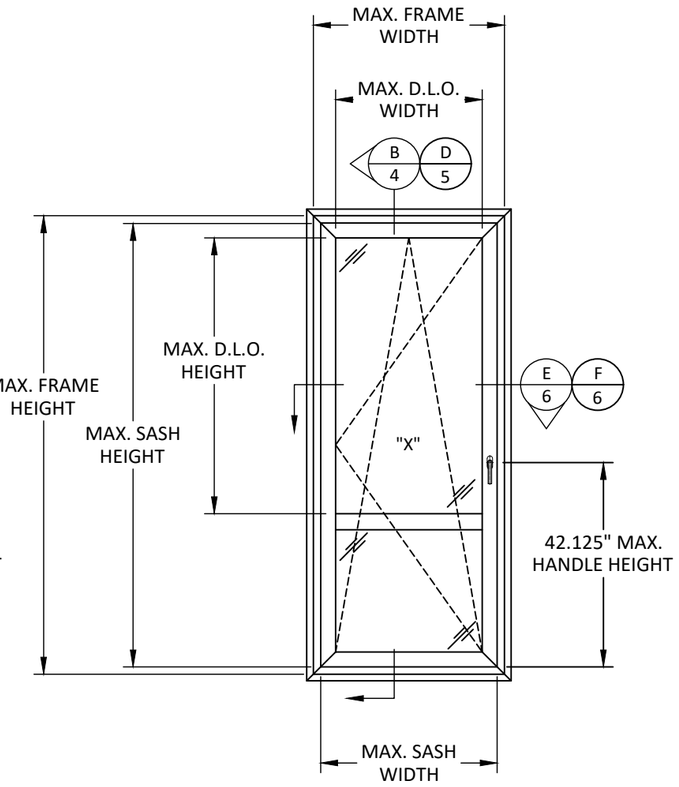
SHEET: 1 OF 8



ELEVATION

SASH HEIGHT = FRAME HEIGHT - 3.0"
SASH WIDTH = FRAME WIDTH - 3.0"

D.L.O. HEIGHT = FRAME HEIGHT - 9.75"
D.L.O. WIDTH = FRAME WIDTH - 9.75"



ELEVATION

SASH HEIGHT = FRAME HEIGHT - 3.0"
SASH WIDTH = FRAME WIDTH - 3.0"

D.L.O. HEIGHT = FRAME HEIGHT - 9.75"
D.L.O. WIDTH = FRAME WIDTH - 9.75"

DESIGN PRESSURE TABLE (PSF)		
NOMINAL DIMS.		GLASS TYPE 1
FRAME WIDTH (in.)	FRAME HEIGHT (in.)	EXT. (+) INT. (-)
36.0	60.0	70.0
42.0		70.0
48.0		61.3
54.0		54.4
60.0		49.0
66.0		44.5
36.0	66.0	70.0
42.0		70.0
48.0		61.3
54.0		54.4
60.0		49.0
36.0	72.0	70.0
42.0		70.0
48.0		61.3
54.0		54.4
36.0	78.0	70.0
42.0		70.0
48.0		61.3
36.0	84.0	70.0
42.0		70.0
48.0		61.3
36.0	90.0	70.0
42.0		70.0
36.0	96.0	70.0
42.0		70.0
36.0	102.0	70.0
36.0	108.0	70.0

NOTE: ALL PRESSURES MEET WATER INFILTRATION REQUIREMENTS.

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ELEVATION & DESIGN PRESSURE TABLE

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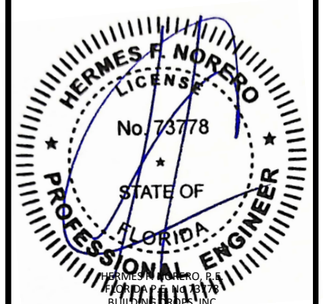

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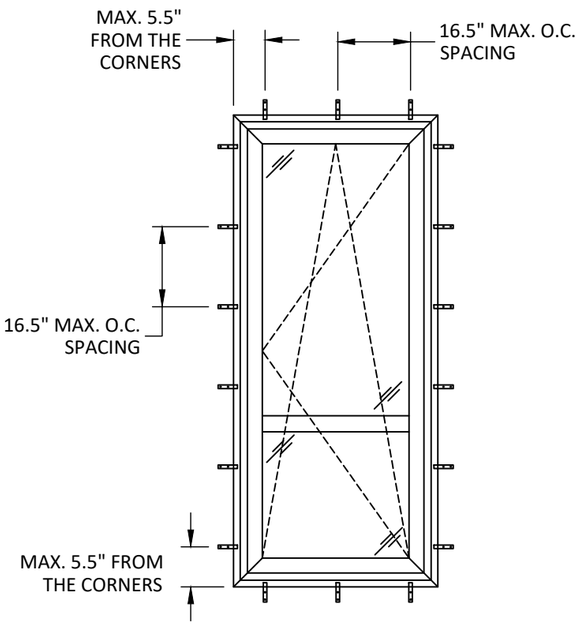
SH	HFN

SCALE: NTS

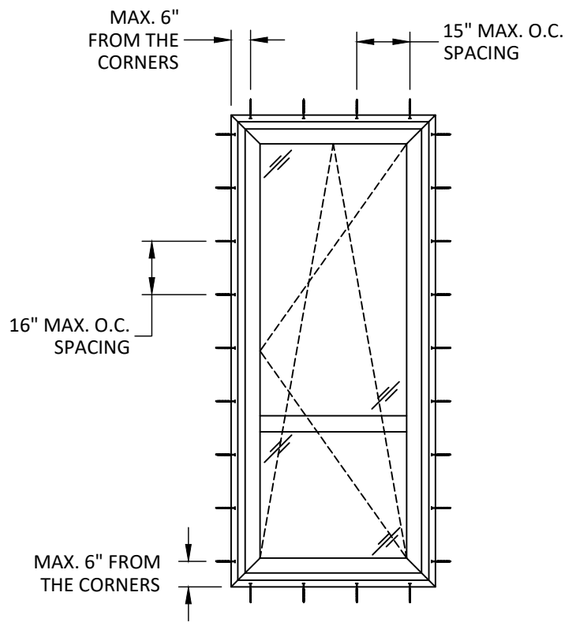
DWG. #: DRU008

SHEET: 2 OF 8

INSTALLATION LEGEND:
- THROUGH FRAME/NAIL-FIN
- STRAP

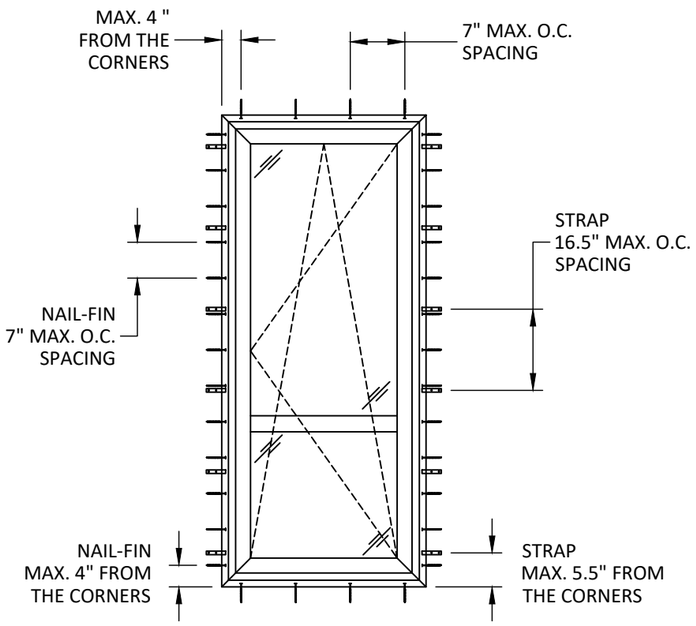


ANCHOR LAYOUT
STRAP INSTALLATION



ANCHOR LAYOUT
THROUGH FRAME INSTALLATION

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



ANCHOR LAYOUT
NAIL-FIN & STRAP INSTALLATION

NOTE: WHEN NAIL-FIN INSTALLATION IS USED, STRAPS MUST BE USED AT THE JAMBS.

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ANCHOR LAYOUTS

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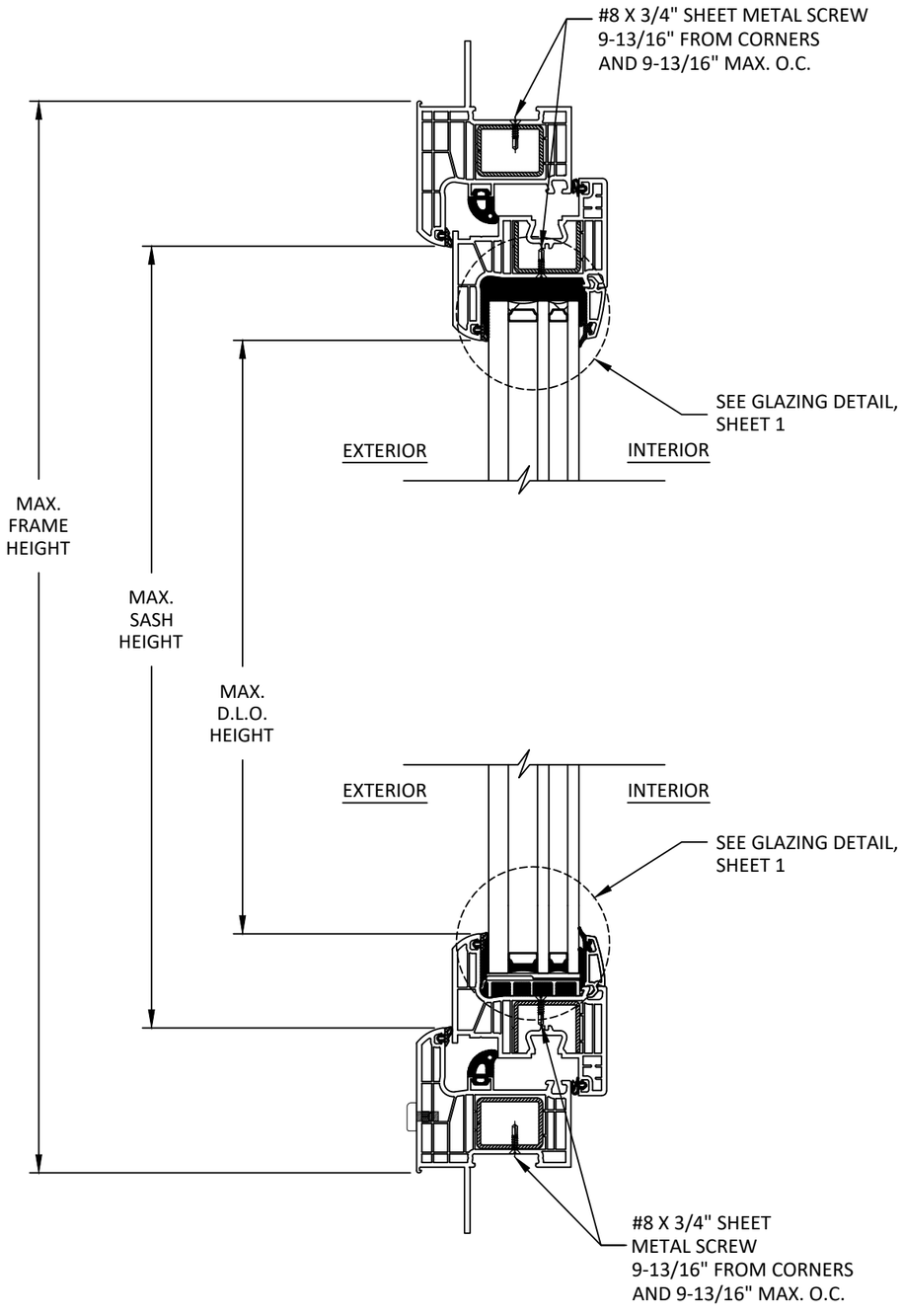
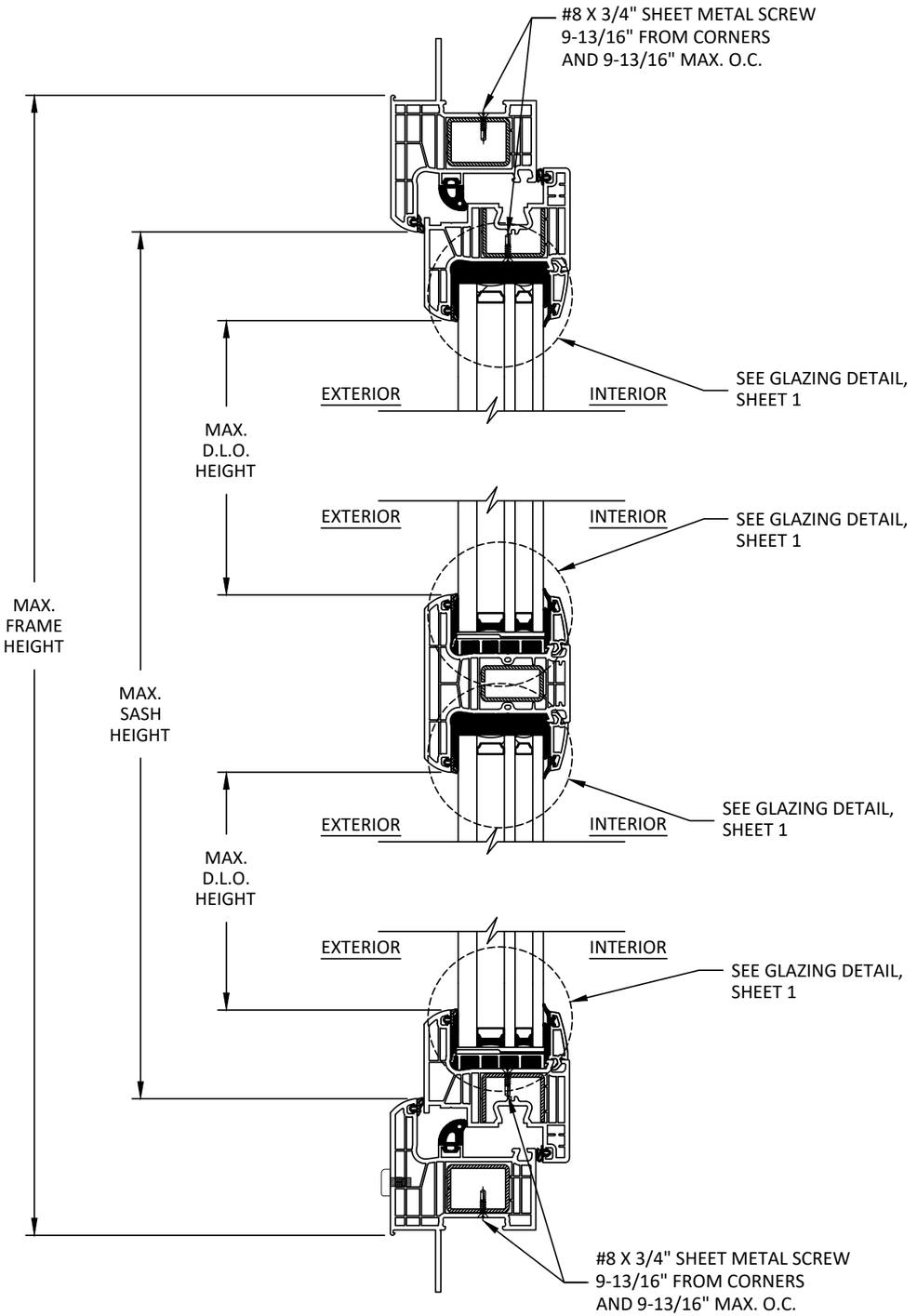
SCALE: NTS

DWG. #: DRU008

SHEET: 3 OF 8



A/4 VERTICAL SECTION
FIN SECTION DETAIL



B/4 VERTICAL SECTION
FIN SECTION DETAIL

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BUILDING DROPS

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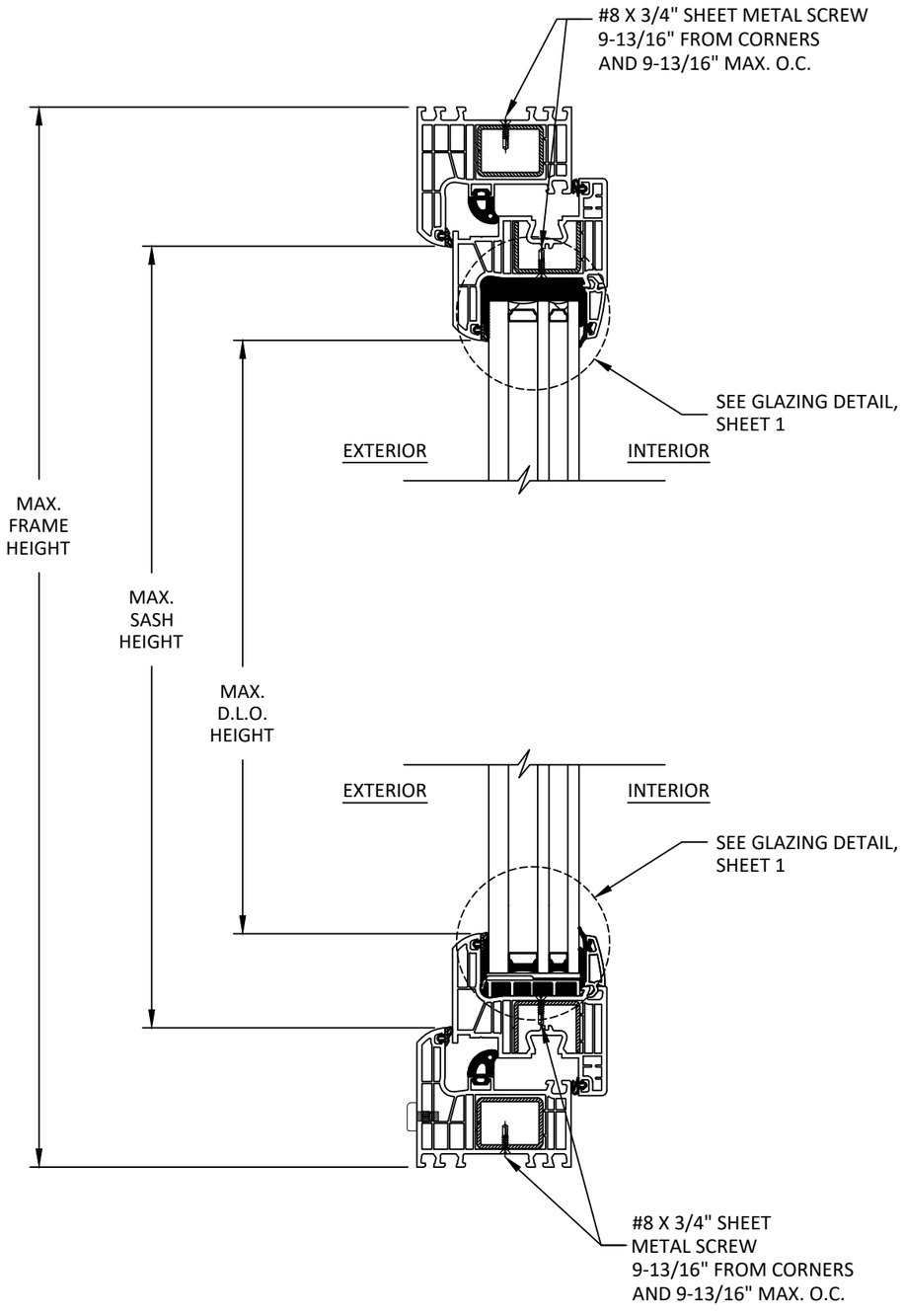
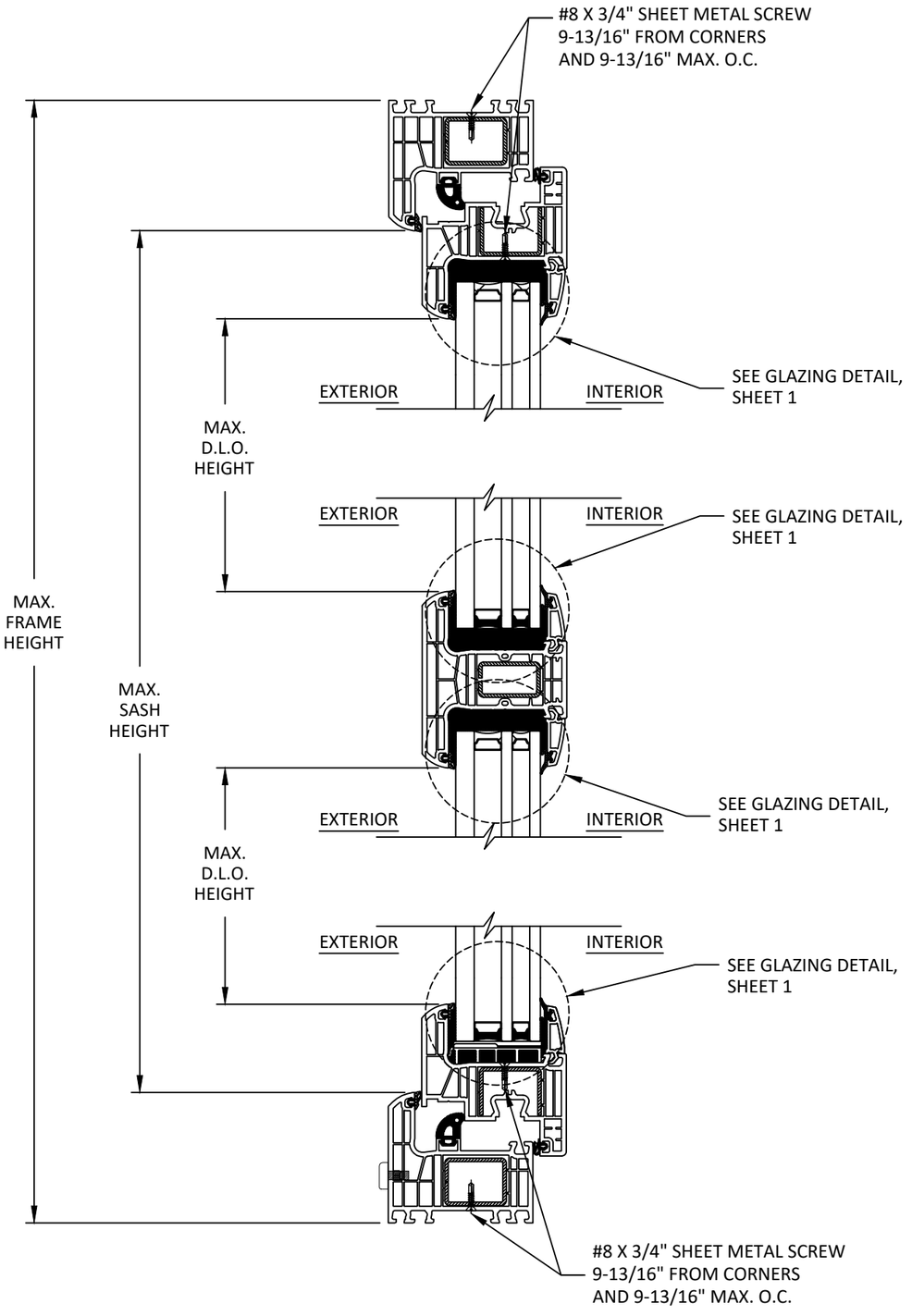
SHEET: 4 OF 8



C/5 VERTICAL SECTION
FINLESS SECTION DETAIL



D/5 VERTICAL SECTION
FINLESS SECTION DETAIL

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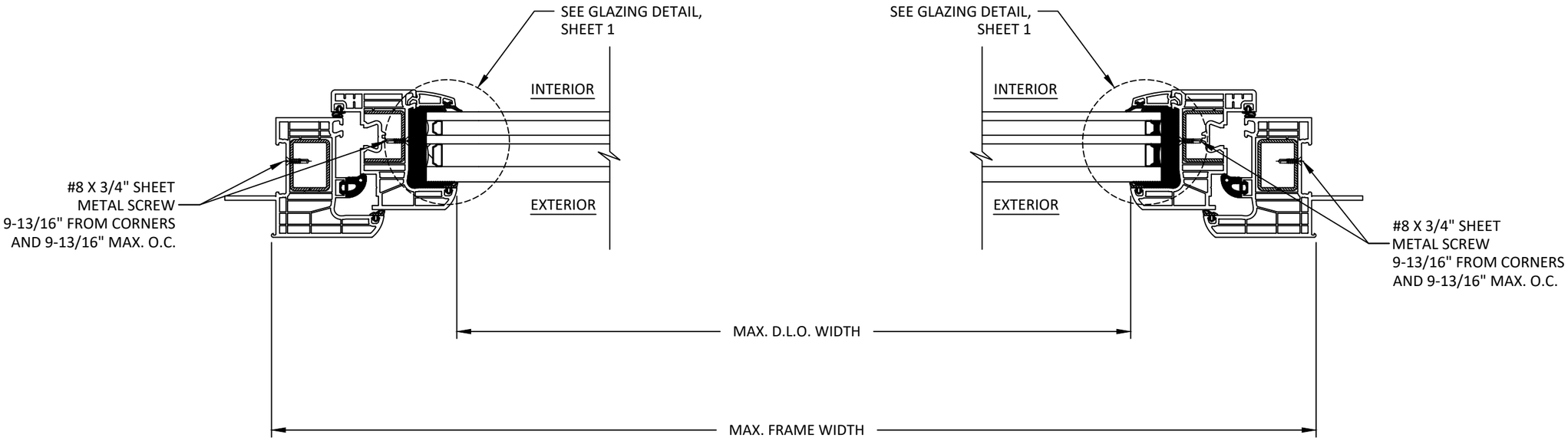
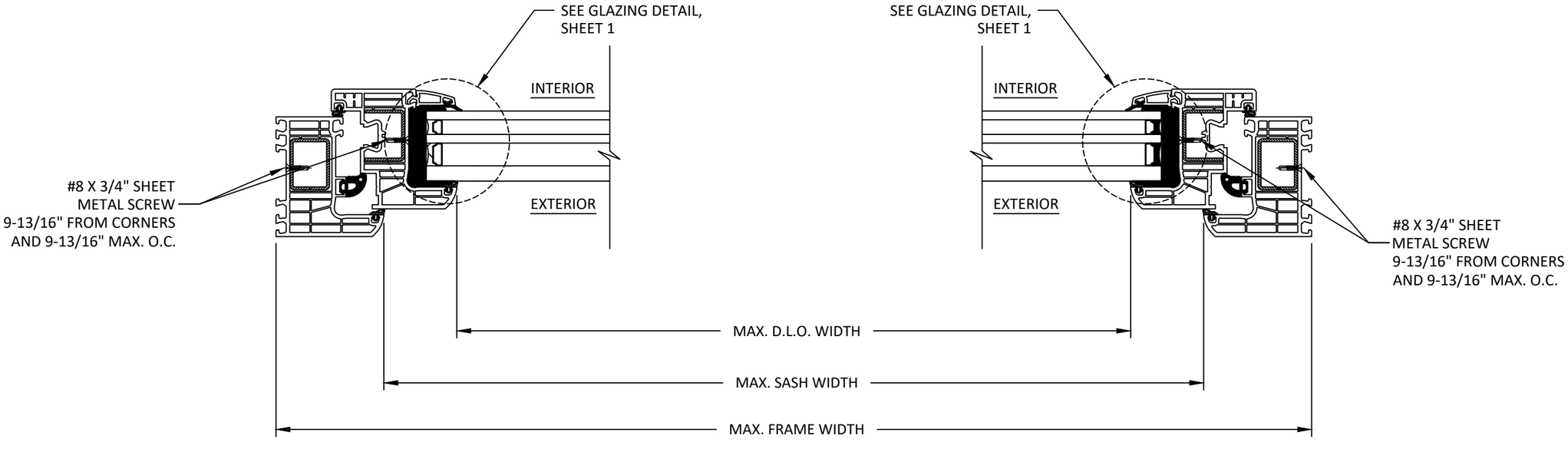
SHEET: 5 OF 8



E/6 HORIZONTAL SECTION

FIN SECTION DETAIL



F/6 HORIZONTAL SECTION

FIN SECTION DETAIL

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HORIZONTAL SECTIONS

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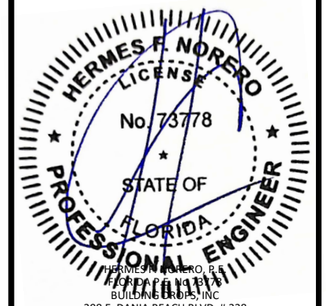

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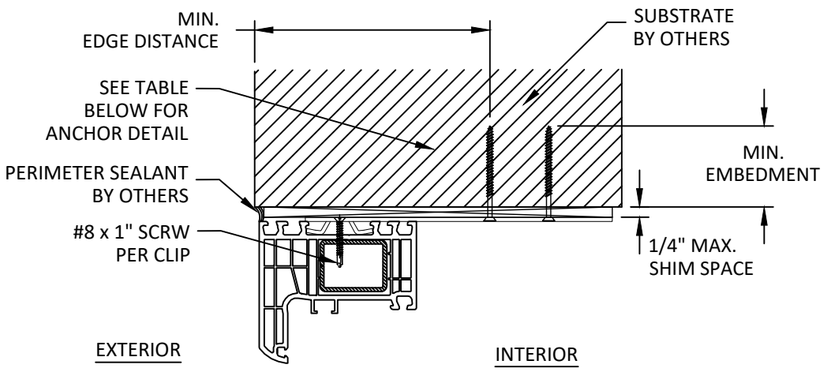
DWG. BY:	CHK. BY:
SH	HFN

SCALE: NTS

DWG. #: DRU008

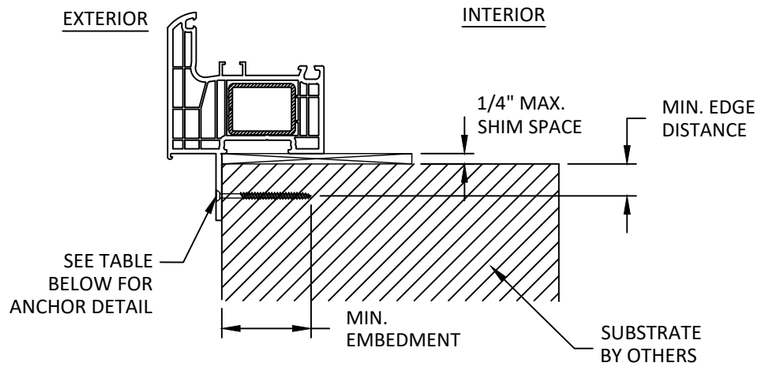
SHEET: 6 OF 8



A/7 VERTICAL SECTION

HEAD - STRAP

NOTE: SILL & JAMB SIMILAR



B/7 VERTICAL SECTION

SILL - NAIL-FIN

NOTE: HEAD & JAMB SIMILAR

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED ON SHEET 3.
2. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1.000 INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
3. 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.
4. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
5. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
6. 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.
7. 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.
8. 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 SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE	SPACING
NAIL-FIN	WOOD: MIN. SG = 0.55	#8 WOOD SCREW	1.50"	0.75"	SEE SHEET 3
	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	1.25"	2.00"	
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON	1.00"	2.00"	
STRAP OR THROUGH FRAME	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'c=3000PSI	3/16" ITW TAPCON	1.25"	2.00"	
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON	1.00"	2.00"	

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ANCHOR DETAIL & INSTALLATION NOTES

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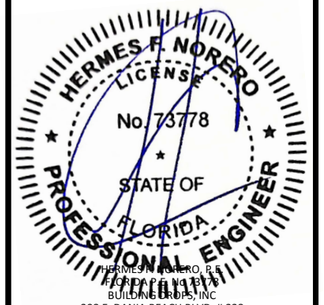

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SCALE: NTS

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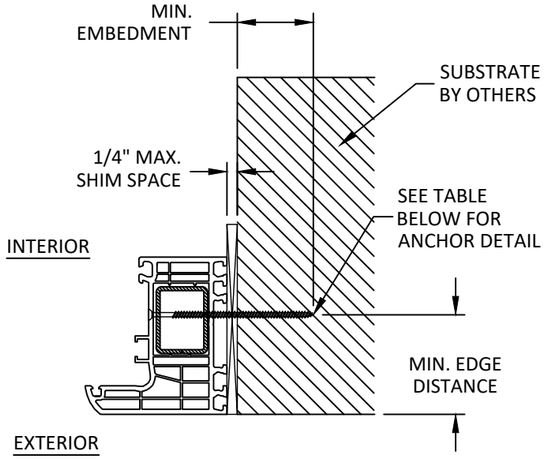
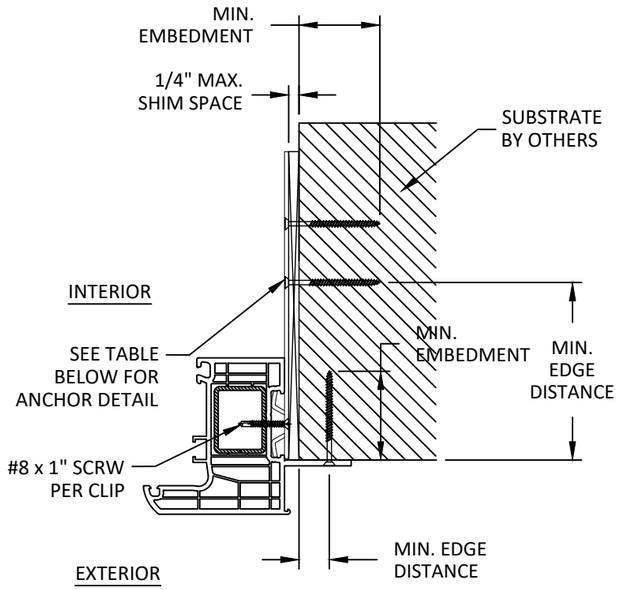
SHEET: 7 OF 8



C/8 HORIZONTAL SECTION

JAMB - THROUGH FRAME

NOTE: HEAD & SILL SIMILAR



D/8 HORIZONTAL SECTION

JAMB - NAIL-FIN & STRAP

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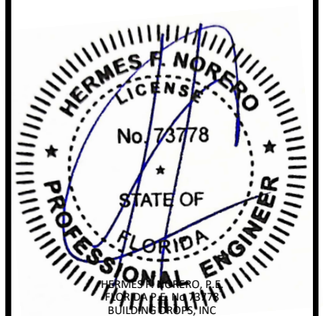
TITLE: *IGLO ENERGY CLASSIC BALCONY DOOR (NON-HVHZ) (NON-IMPACT)*
ANCHOR DETAIL CONTINUED

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
FBC CODE REVISION	FB	10/23

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.



HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL41838

DATE: 12.12.2022

DWG. BY: SH | CHK. BY: HFN

SCALE: NTS

DWG. #: DRU008

SHEET: 8 OF 8