

PLY GEM WINDOWS - PREMIUM MIRA SERIES DOUBLE HUNG SASH AND FRAME TRANSOM ALUMINUM CLAD WOOD IMPACT RATED WINDOW

INSTALLATION NOTES:

1. *ONE (1)* INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. 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.
4. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
5. FOR INSTALLATION INTO 2X BUCK USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. FOR INSTALLATION INTO 2X BUCK USE 10d COMMON NAILS OR 11 GAUGE ROOFING NAILS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE. RECOMMENDED NAIL HEAD DIAMETER TO BE AT LEAST 0.375".
7. FOR INSTALLATION THROUGH STEEL STUD USE #10 SELF-TAPPING SCREW OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND STEEL STRUCTURE.
8. FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/16 INCH DIAMETER ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
9. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- 10.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.
11. 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.
- 12.INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.

B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

C. GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.

D. HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.

E. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 20 GA. WALL THICKNESS.

GENERAL NOTES:

1. THIS PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC); EXCLUDING HVHZ AND HAS BEEN EVALUATED IN ACCORDANCE WITH THE FOLLOWING:

AAMA/WDMA/CSA 101/I.S.2/A440-17

ASTM E1886-19

ASTM E1996-20

AAMA 506-16
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD 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. 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.
5. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONES 3 OR LESS.
6. IN ACCORDANCE WITH THE CURRENT FBC, DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED.
7. IN ACCORDANCE WITH THE CURRENT FBC, WOOD COMPONENTS SHALL HAVE BEEN PRESERVATIVE TREATED OR SHALL BE OF A DURABLE SPECIES.
8. WINDOW FRAME MATERIAL: *RADIATA WOOD WITH ALUMINUM 6063-T5 CLADDING*
9. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 3 FOR GLAZING DETAIL.
- 10.*DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:*

X: OPERABLE PANEL

O: FIXED PANEL
- 11.CUSTOM SIZES AVAILABLE UPON REQUEST.

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3	CROSS SECTIONS & GLAZING DETAIL

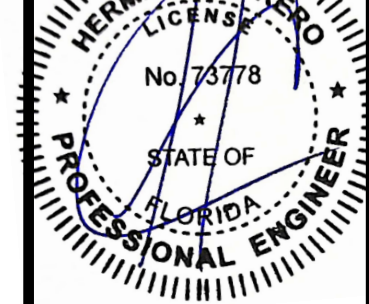
SIZE & CONFIGURATION	DESIGN PRESSURE	MISSILE IMPACT RATING
(O) 49 3/8" X 29 3/8"	+50/-50 PSF	LARGE & SMALL MISSILE IMPACT RATED

433 N. MAIN ST.,
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TITLE: PREMIUM MIRA SERIES DH TRANSOM WINDOW GENERAL & INSTALLATION NOTES	REVISION DESCRIPTION		DATE	
	BY		SM	
	FBC 5TH EDITION UPDATE		08.26.14	
	FBC CODE CHANGE		05.24.19	
NO.	A		B	
	7TH EDITION (2020) FBC		12.02.20	
	8TH EDITION (2023) FBC		12.10.23	
	SCALE:		NTS	

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.12.22 06:05:41 -0500



HERMES F. NORERO

FLORIDA P. E. NO. 73778

398 E. DANIA BEACH BLVD., STE. 338

DANIA BEACH, FL 33004

FBPE CERT. OF AUTHORIZATION NO. 29578

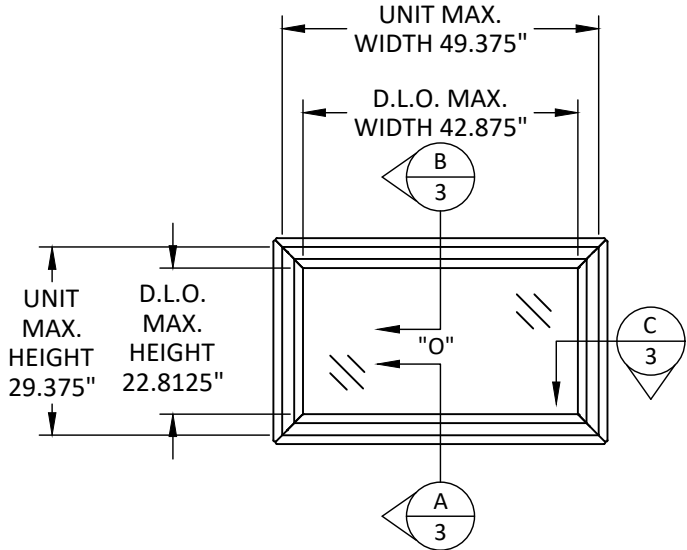
 BUILDING DROPS, INC.
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FL#: 15538

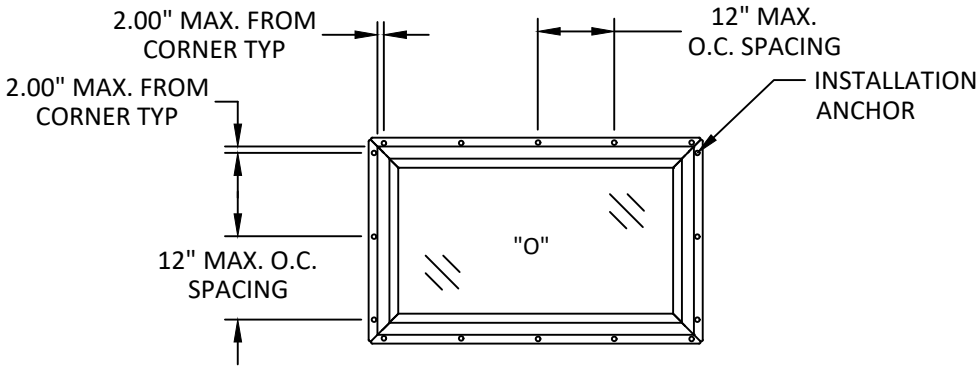
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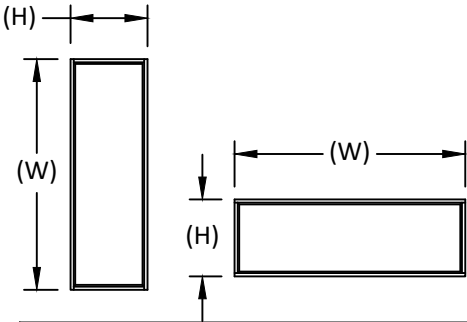
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ELEVATION
EXTERIOR VIEW

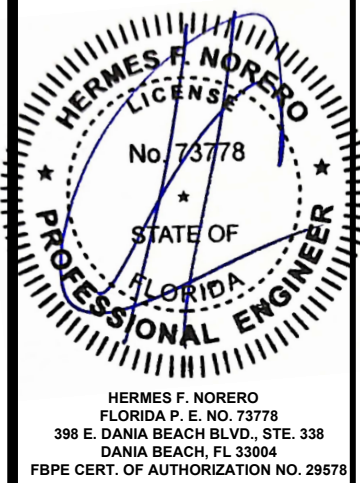


ANCHOR LAYOUT
EXTERIOR VIEW



NOTE:
WINDOW WIDTH (W) AND HEIGHT (H) ARE INTERCHANGEABLE FOR ALL SIZES SHOWN HEREIN NOT TO EXCEED MAXIMUM QUALIFIED SQUARE FOOT AREA.

TITLE: PREMIUM MIRA SERIES DH TRANSOM WINDOW ELEVATIONS & ANCHOR LAYOUT	DATE	BY	NO.	REVISION DESCRIPTION
	02.21.12	GRN	A	FBC 5TH EDITION UPDATE
		CHK BY: HFN	B	FBC CODE CHANGE
		SCALE: NTS	C	7TH EDITION (2020) FBC
			D	8TH EDITION (2023) FBC

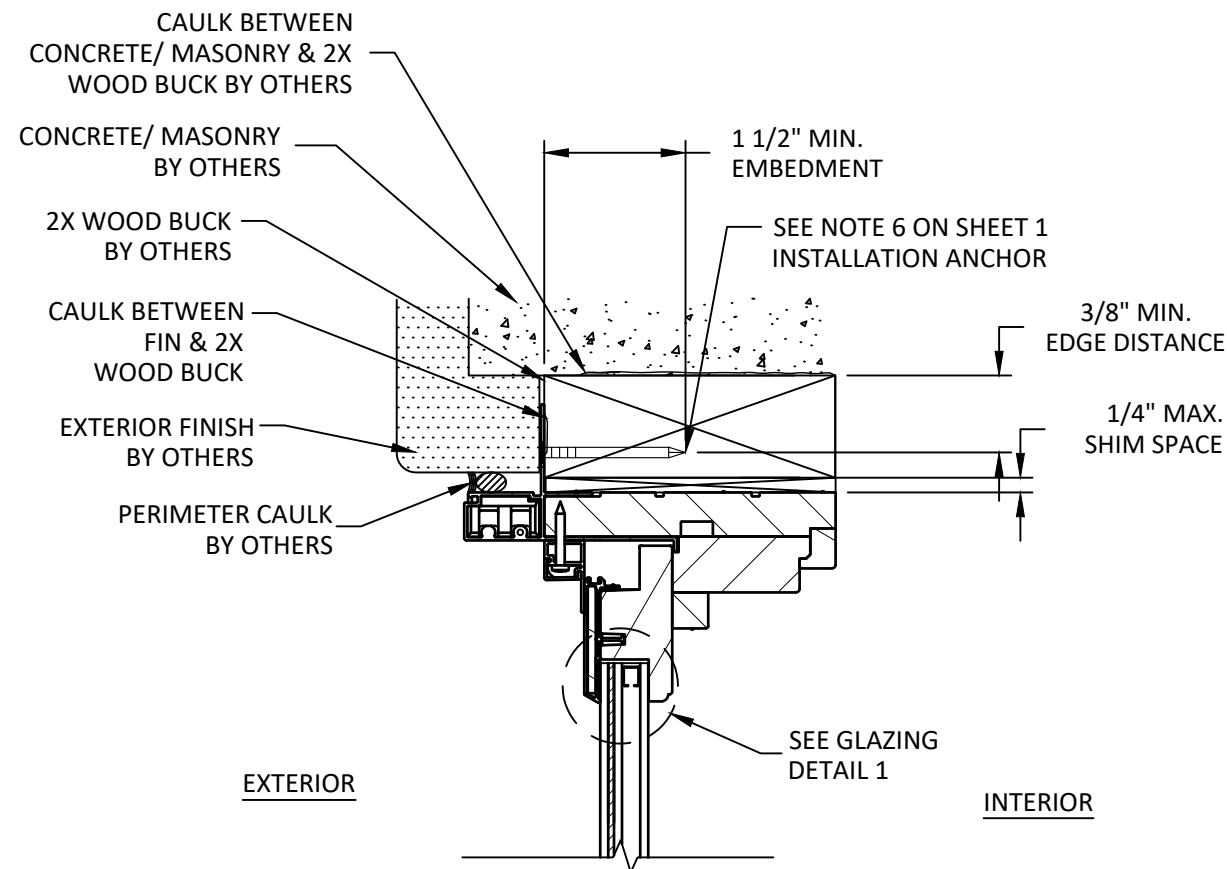


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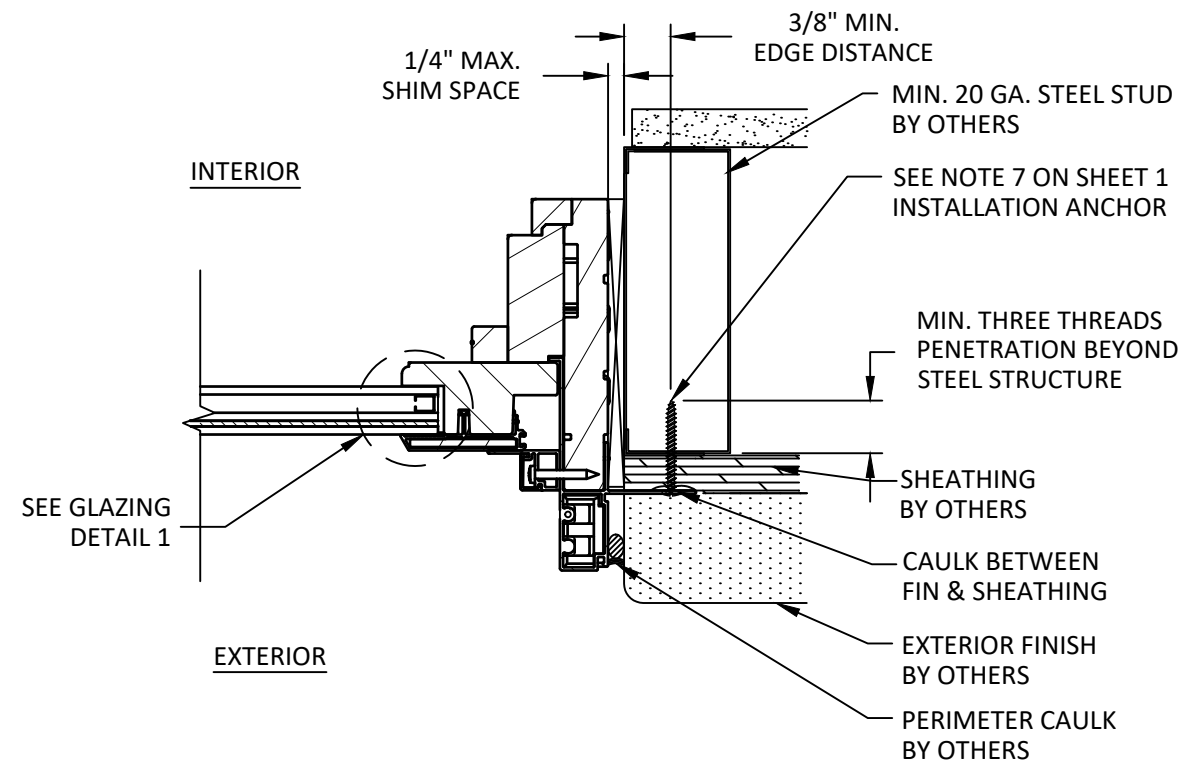
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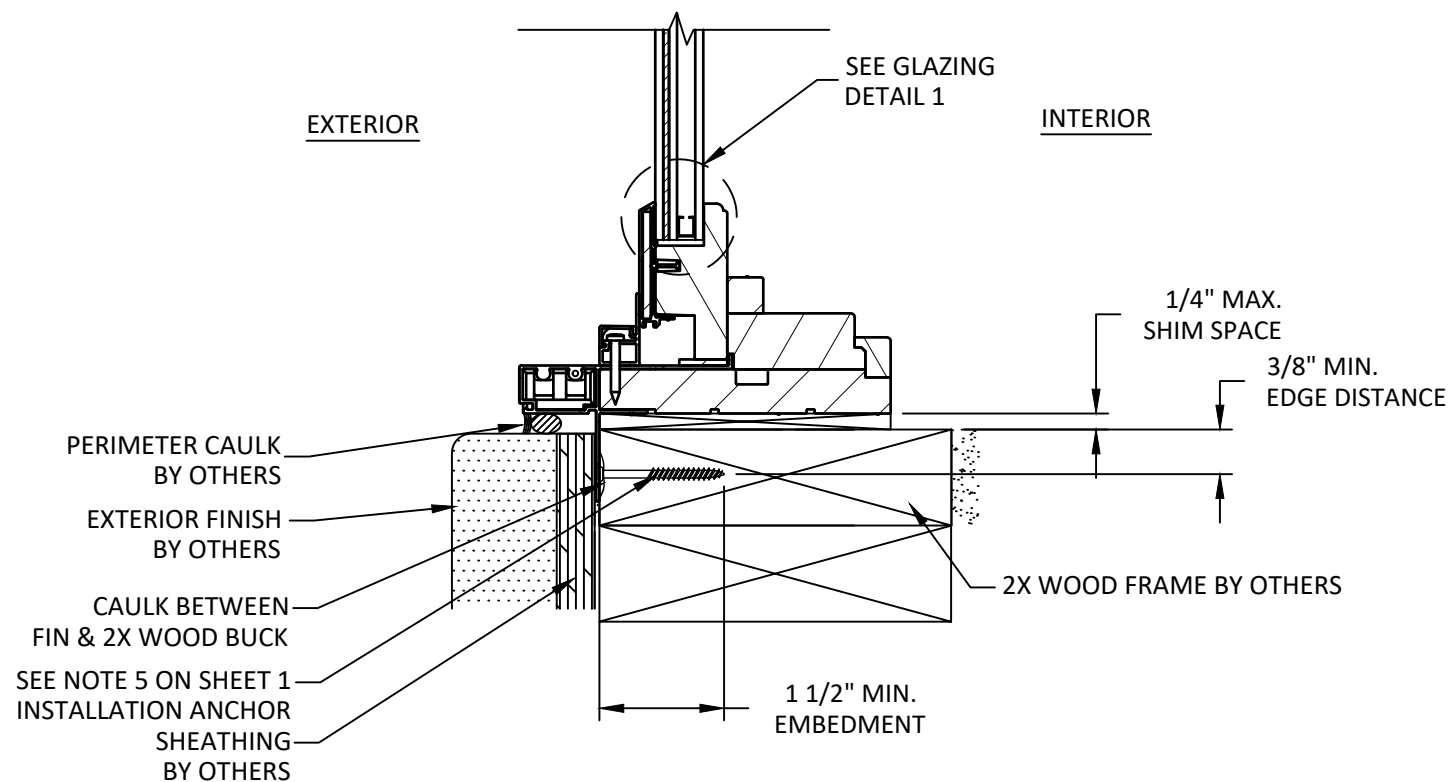
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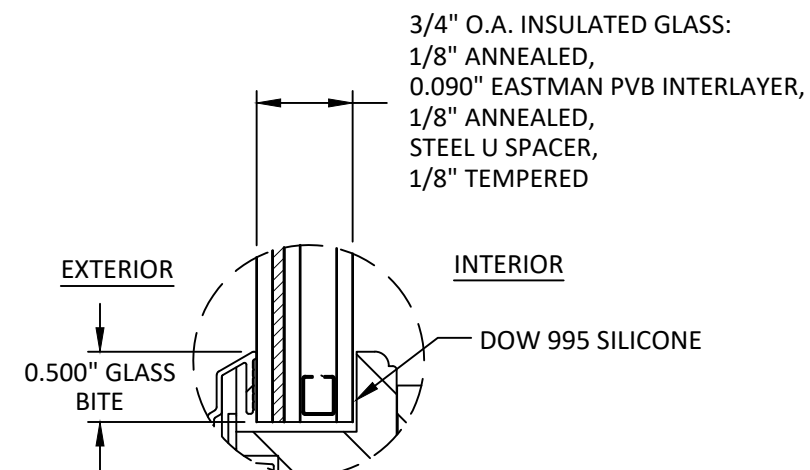
B
3 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
NAIL FIN



C
3 **HORIZONTAL SECTION**
JAMB - STEEL STUD FRAME
NAIL FIN



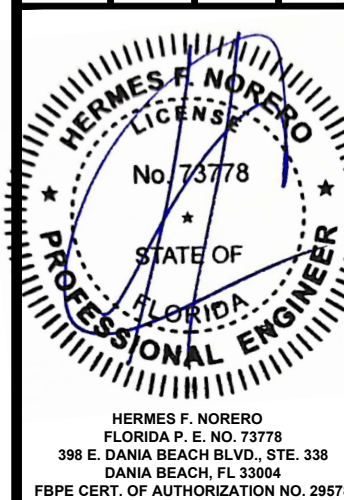
A
3 **VERTICAL SECTION**
SILL - 2X WOOD FRAME
NAIL FIN



GLAZING DETAIL 1

TITLE: PREMIUM MIRA SERIES DH TRANSOM WINDOW CROSS SECTIONS & GLAZING DETAIL	DATE	BY	REVISION DESCRIPTION	NO.
	02.21.12	DWN BY: GRN		A
		CHK BY: HFN	FBC 5TH EDITION UPDATE	B
			FBC CODE CHANGE	C
		SCALE: NTS	7TH EDITION (2020) FBC	D

DATE:	DWN BY:	CHK BY:	SCALE:
02.21.12	GRN	HFN	NTS



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