

PLY GEM WINDOWS - PREMIUM MIRA DIRECT SET WINDOW

(NON-IMPACT)

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 #8 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. FOR INSTALLATION INTO 2X BUCK USE 8D COMMON NAIL OR 11 GAUGE ROOFING NAIL 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 #8 SELF-TAPPINGNG 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
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND STEEL 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. 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 REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL:*RADIATA WOOD WITH ALUMINUM 6063-T5 CLADDING*
7. IN ACCORDANCE WITH THE CURRENT FBC, DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED.
8. IN ACCORDANCE WITH THE CURRENT FBC, WOOD COMPONENTS SHALL HAVE BEEN PRESERVATIVE TREATED OR SHALL BE OF A DURABLE SPECIES.
9. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 4 FOR GLAZING DETAIL.
10. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:

X: OPERABLE PANEL

O: FIXED PANEL

FRAME SIZE	DESIGN PRESSURE	MISSILE IMPACT RATING
73" X 87"	+50/-55 PSF	NON-IMPACT

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TITLE: PREMIUM MIRA DIRECT SET WINDOW INSTALLATION & GENERAL NOTES	DATE	BY	REVISION DESCRIPTION				NO.	A	B	C	D
	02.06.12	DWN BY: GRN	CHK BY: HFN	SCALE: NTS							

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.12.26 10:22:05 -05'00'

HERMES F. NORERO

LICENSE

No. 73778

STATE OF FLORIDA

PROFESSIONAL ENGINEER

HERMES F. NORERO

FLORIDA P. E. NO. 73778

398 E. DANIA BEACH BLVD., STE. 338

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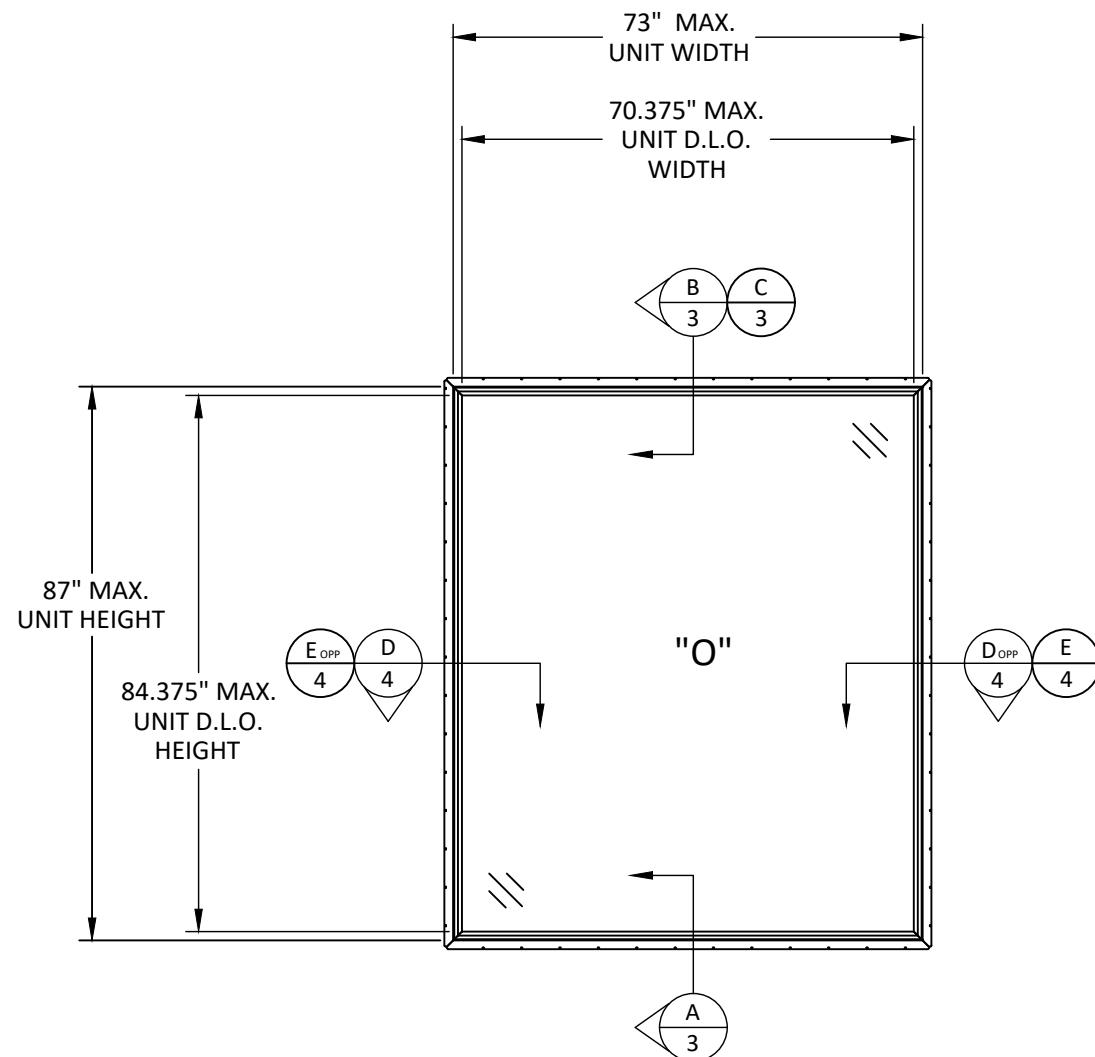
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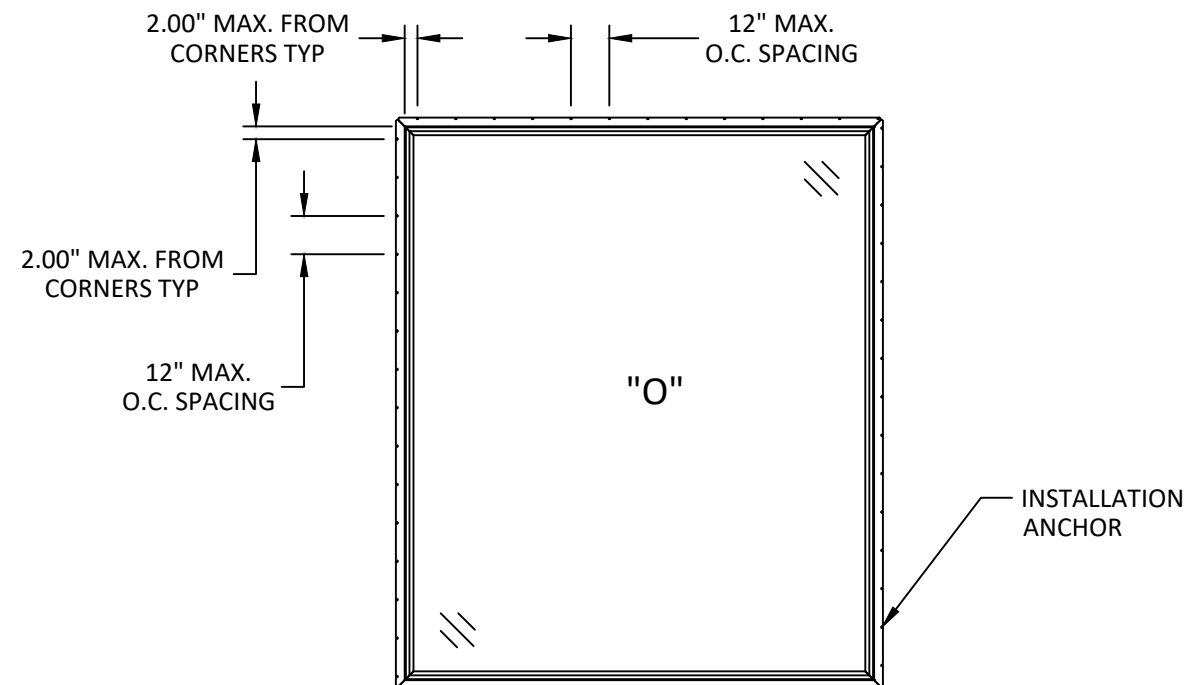
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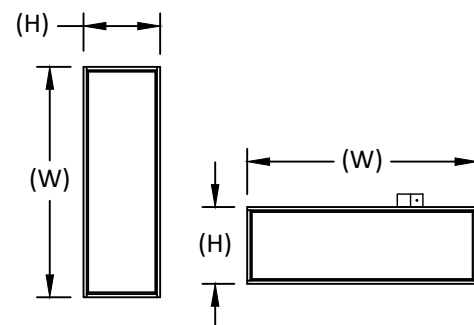
1 OF 4



ELEVATION

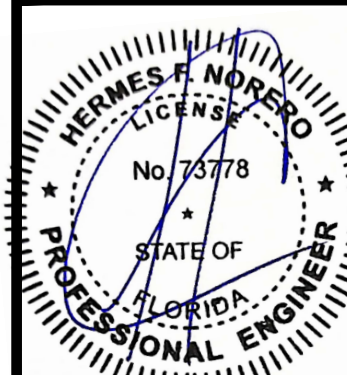


**ANCHOR LAYOUT
FIN**



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

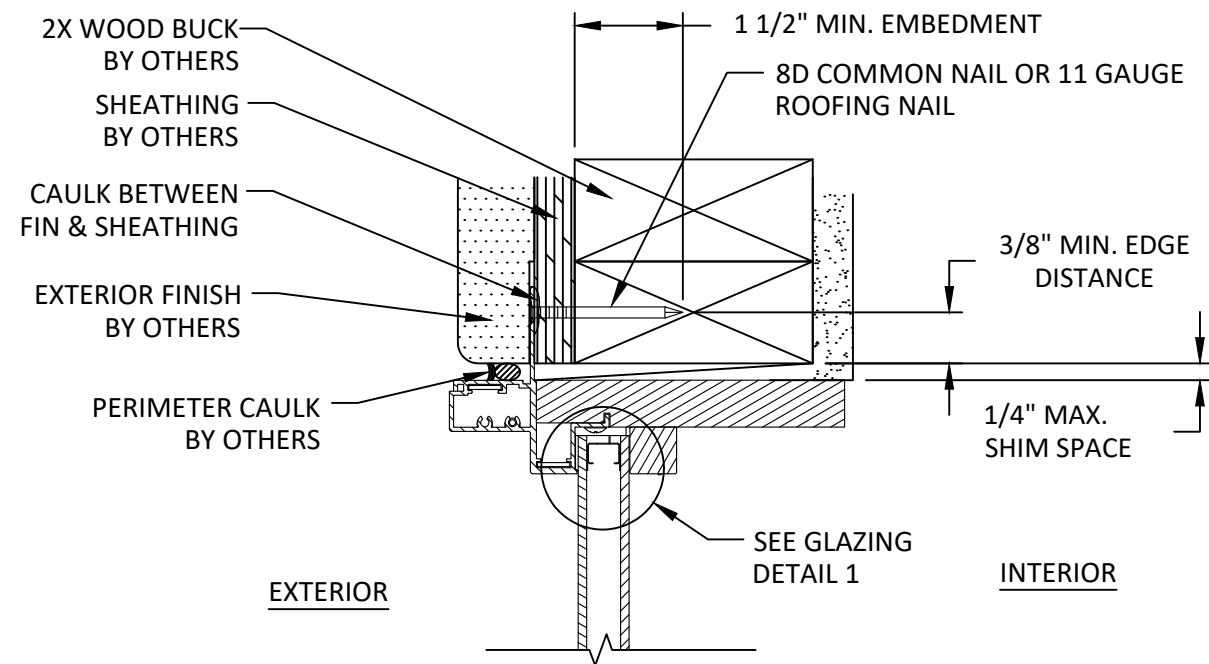
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CHK BY:	HFN
SCALE:	NTS



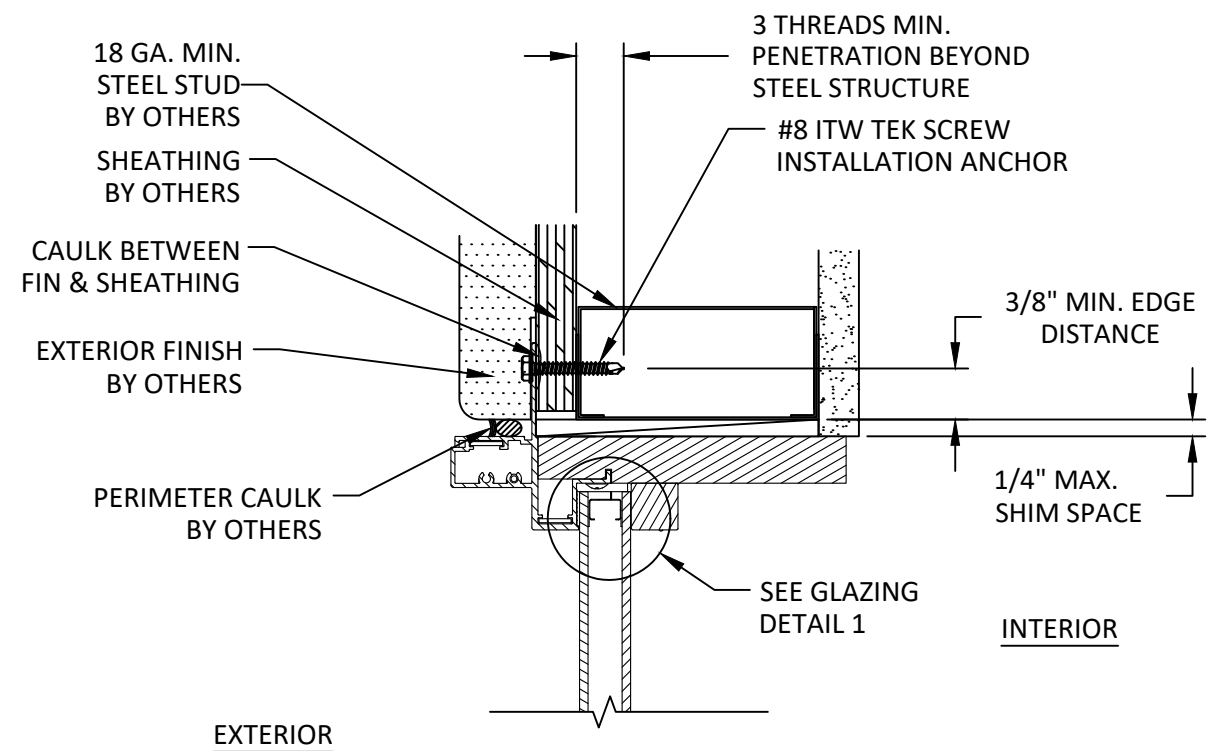
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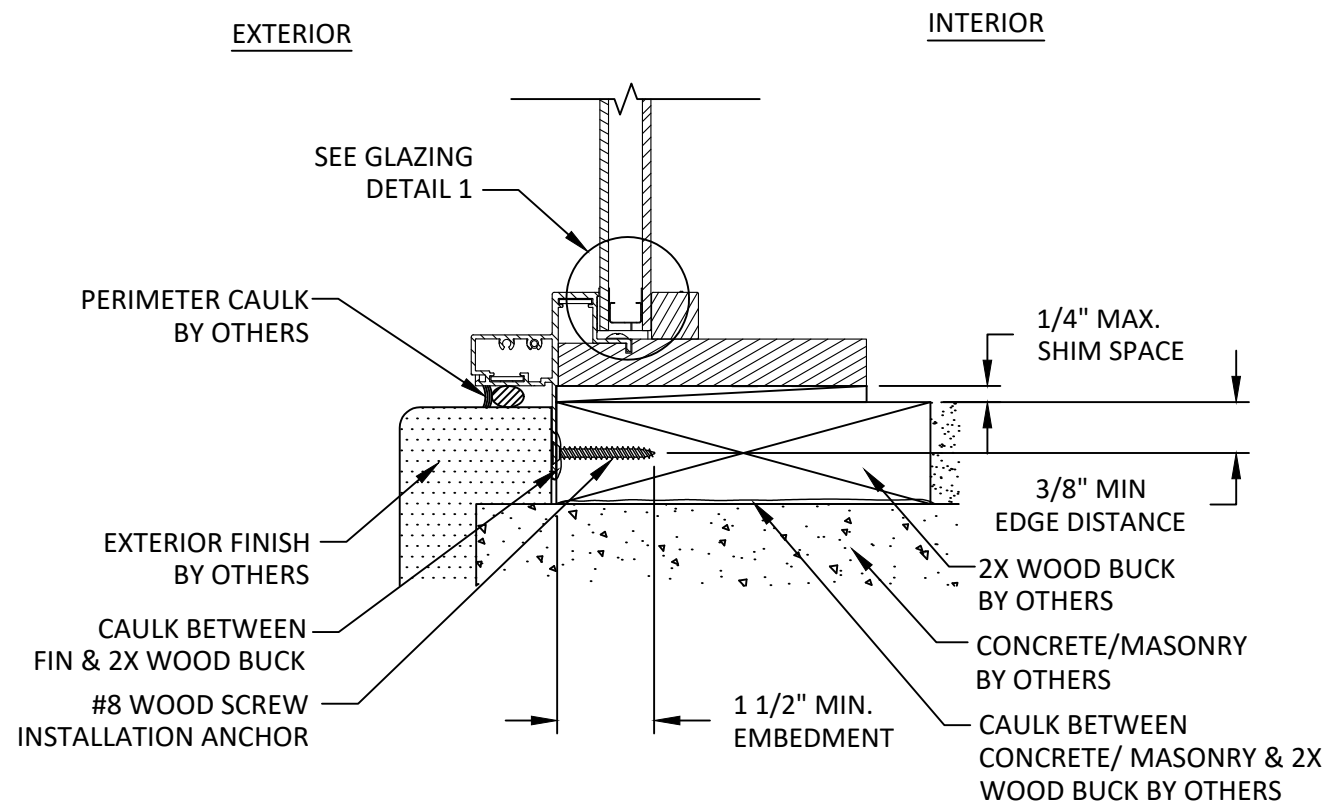
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SHEET:	2 OF 4



**B
3** VERTICAL SECTION
2X WOOD STUD SUBSTRATE - HEAD
FIN INSTALLATION

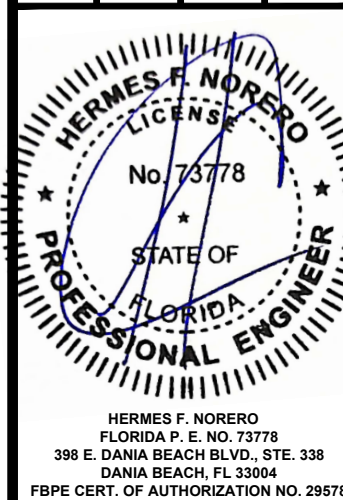


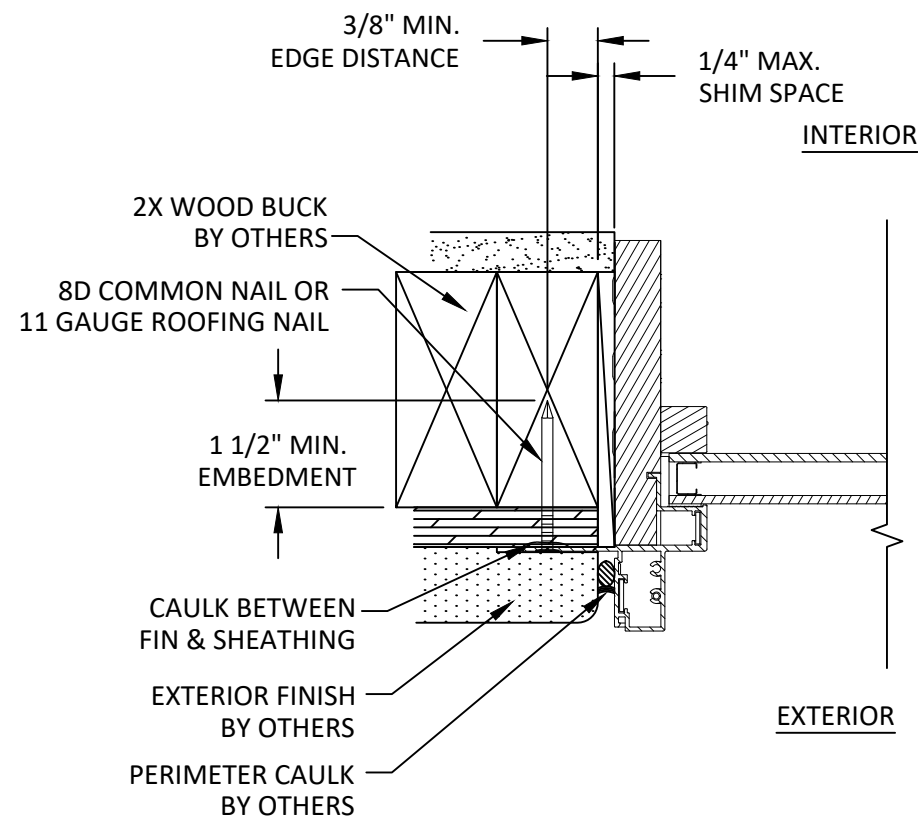
**C
3** VERTICAL SECTION
STEEL STUD SUBSTRATE - HEAD
FIN INSTALLATION



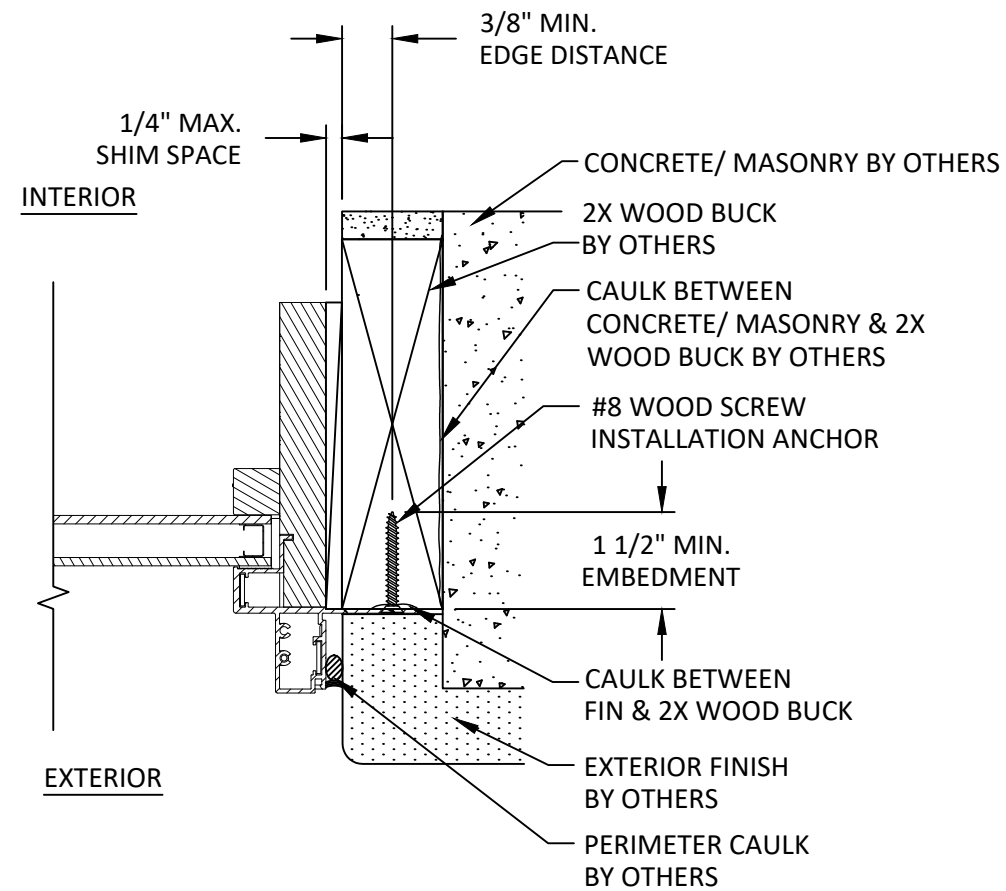
**A
3** VERTICAL SECTION
2X WOOD BUCK SUBSTRATE - SILL
FIN INSTALLATION

TITLE: PREMIUM MIRA DIRECT SET WINDOW VERTICAL SECTIONS	DATE	08.26.14
	BY	SM
	REVISION DESCRIPTION	FBC 5TH EDITION UPDATE
	NO.	A
DATE: 02.06.12	DWN BY:	GRN
	CHK BY:	HFN
	SCALE:	NTS

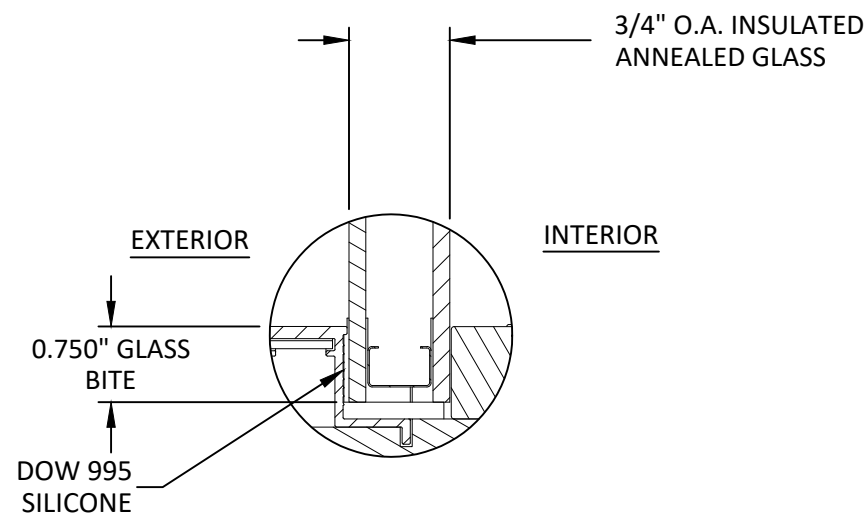




D
4 **HORIZONTAL SECTION**
2X WOOD FRAME SUBSTRATE - JAMB
FIN INSTALLATION



E
4 **HORIZONTAL SECTION**
2X WOOD BUCK SUBSTRATE - JAMB
FIN INSTALLATION



GLAZING DETAIL 1

NOTES:

- 1) GLASS THICKNESS AND TYPE SHALL COMPLY WITH ASTM E 1300 GLASS CHART REQUIREMENTS.
- 2) ALL GLAZING CONFIGURATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN THE FBC.
- 3) ALL LITES GREATER THAN 36" IN WIDTH SHALL UTILIZE SETTING BLOCKS IN ACCORDANCE WITH THE FBC. CH.24
- 4) SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24.

TITLE: PREMIUM MIRA DIRECT SET WINDOW HORIZONTAL SECTIONS & GLAZING DETAIL	DATE	BY	REVISION DESCRIPTION	NO.
	02.06.12	DWN BY: GRN	CHK BY: HFN	SCALE: NTS
	08.26.14	SM	FBC 5TH EDITION UPDATE	A
	05.24.19	SM	FBC CODE CHANGE	B
	12.02.20	LMH	7TH EDITION (2020) FBC	C
	12.10.23	LMH	8TH EDITION (2023) FBC	D



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DWG #: **PGWI4I**

SHEET: **4 OF 4**