

WINTECH - WINDOW TECHNOLOGY, INC.

SERIES 225 SINGLE HUNG WINDOW (NON-HVHZ) (NON-IMPACT)

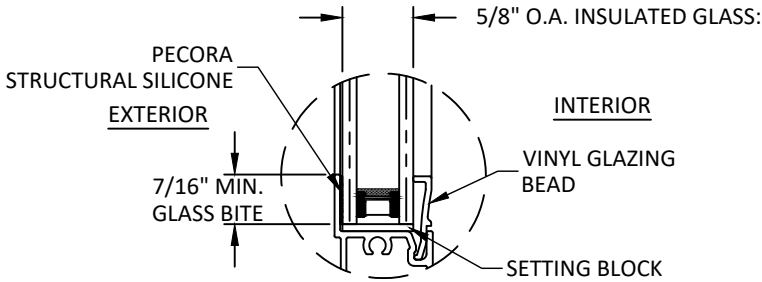
INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT 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.
- NAILING FIN:** FOR INSTALLATION THROUGH 2X WOOD FRAME USE ONE (1) #8 WOOD SCREW PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- NAILING FIN:** FOR INSTALLATION THROUGH METAL STUD USE ONE (1) #8 SELF-TAPPING SCREW OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL STRUCTURE.
- 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.
 - FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).
 - CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).
- FOR 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.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - B. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 33 MILS. (20 GAUGE)
 - C. ALUMINUM - 1/18" MINIMUM THICKNESS (6063-T5).

GENERAL NOTES:

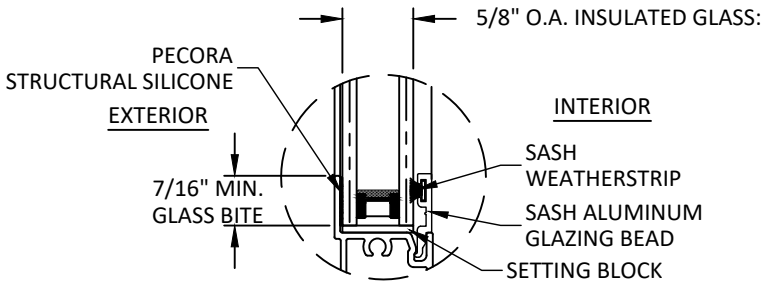
- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-11
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD FRAMING AS 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.
- 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.
- 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 REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: ALUMINUM 6063-T6.
- GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.
- DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
 - X: OPERABLE PANEL
 - O: FIXED PANEL
- CUSTOM SIZES AVAILABLE UPON REQUEST.

TABLE OF CONTENTS	
SHEET	SECTION DESCRIPTION
1	GENERAL NOTES, INSTALLATION NOTES & GLAZING DETAILS
2	ELEVATIONS AND ANCHOR LAYOUTS
3	VERTICAL SECTIONS
4	HORIZONTAL SECTIONS



GLAZING DETAIL 1

FOR UNITS ABOVE 30 PSF



GLAZING DETAIL 2

GLAZING NOTES:

- GLASS TYPE SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING 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.

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TITLE: **SERIES 225
SINGLE HUNG WINDOW
(NON-HVHZ) (NON-IMPACT)**
GENERAL, INSTALLATION NOTES
AND GLAZING DETAILS

PREPARED BY: **BUILDING DROPS, INC.**

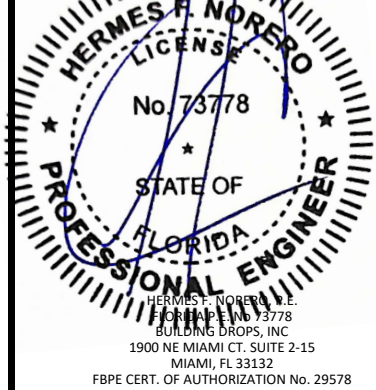
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REMARKS	BY	DATE
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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2016.08.02 19:53:04 -04'00'



FL #:

FL30750

DATE: **10.16.2019**

DWG. BY: RV	CHK. BY: HFN
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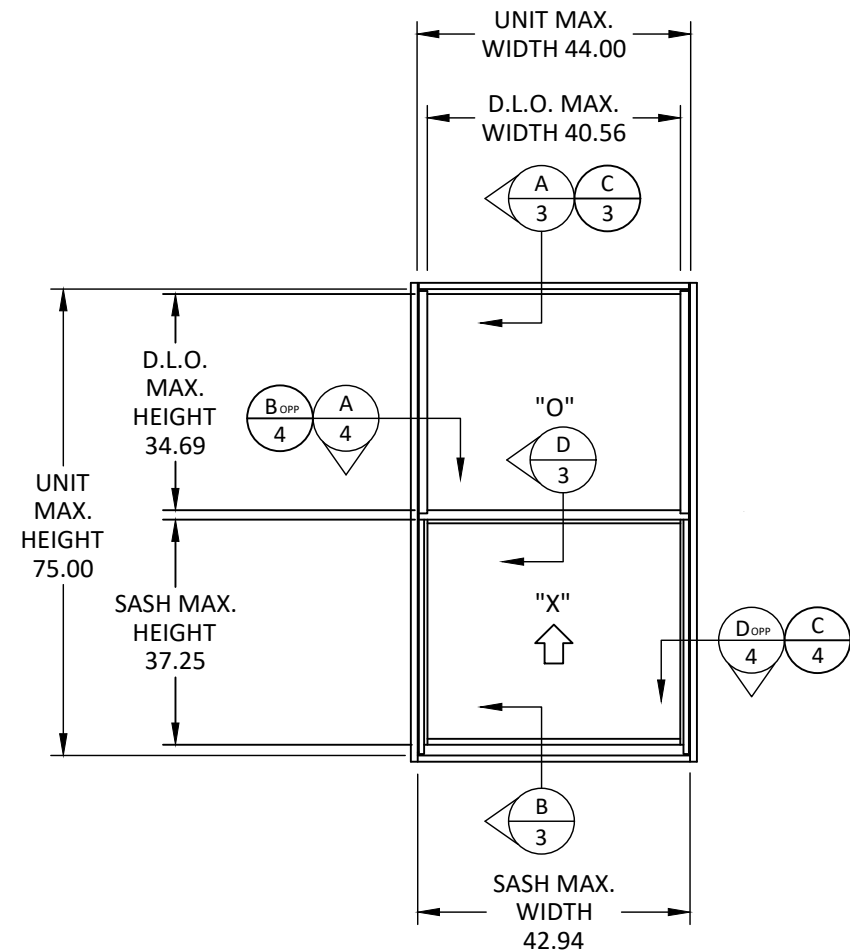
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SHEET:	REV. A
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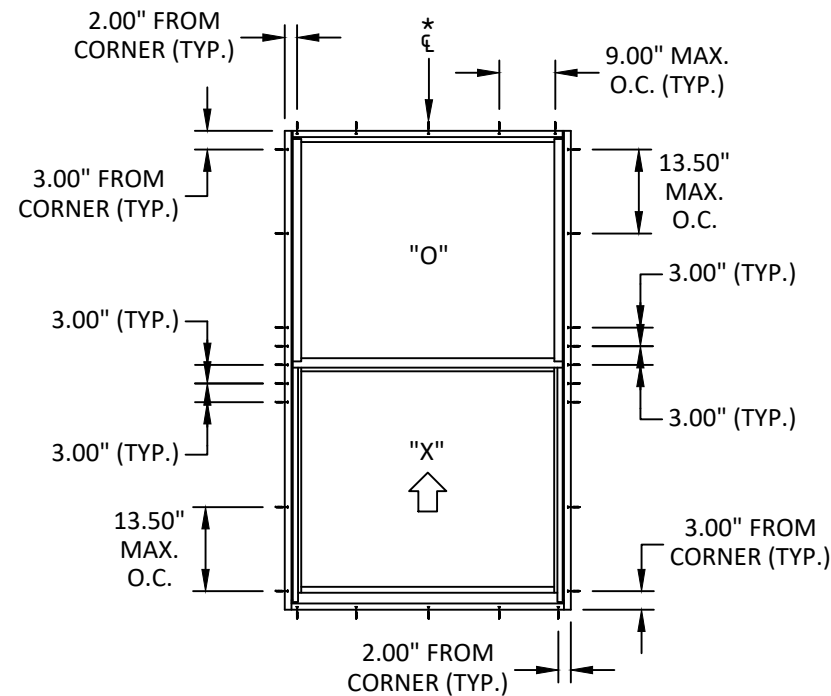
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ELEVATION
AS TESTED



ANCHOR LAYOUT
FIN INSTALLATION

NOTE:
* USE ANCHORS AT 6 OF HEAD
AND SILL OF WINDOWS WIDER
THAN 31".

ALLOWABLE ALTERNATE SIZES DESIGN PRESSURE TABLE (PSF)								
WINDOW WIDTH (INCHES)								
WINDOW HEIGHT (INCHES)		24	30	36	42	48	54	60
	24	50.0	50.0	50.0	50.0	50.0	50.0	43.2
	36	50.0	50.0	50.0	50.0	50.0	44.6	31.3
	42	50.0	50.0	50.0	50.0	50.0	41.0	28.4
	48	50.0	50.0	50.0	50.0	50.0	39.1	26.6
	54	50.0	50.0	50.0	50.0	48.8	38.5	25.6
	60	50.0	50.0	50.0	49.2	39.5	31.2	25.3
	66	50.0	50.0	47.5	40.7	32.6	25.8	20.9
	72	50.0	47.9	39.9	34.2	27.4	21.7	17.6
	78	50.0	40.8	34.0	29.1	23.4	18.5	15.0
	84	44.0	35.2	29.3	25.1	20.1	15.9	-
	90	38.3	30.6	25.5	21.9	17.6	-	-
	96	33.7	26.9	22.4	19.2	15.4	-	-

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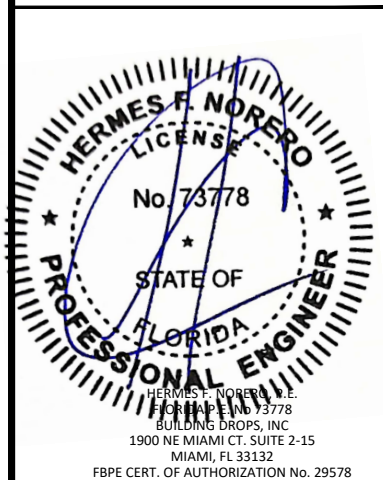
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TITLE: SERIES 225
SINGLE HUNG WINDOW
(NON-HVHZ) (NON-IMPACT)
ELEVATIONS AND ANCHORS LAYOUT

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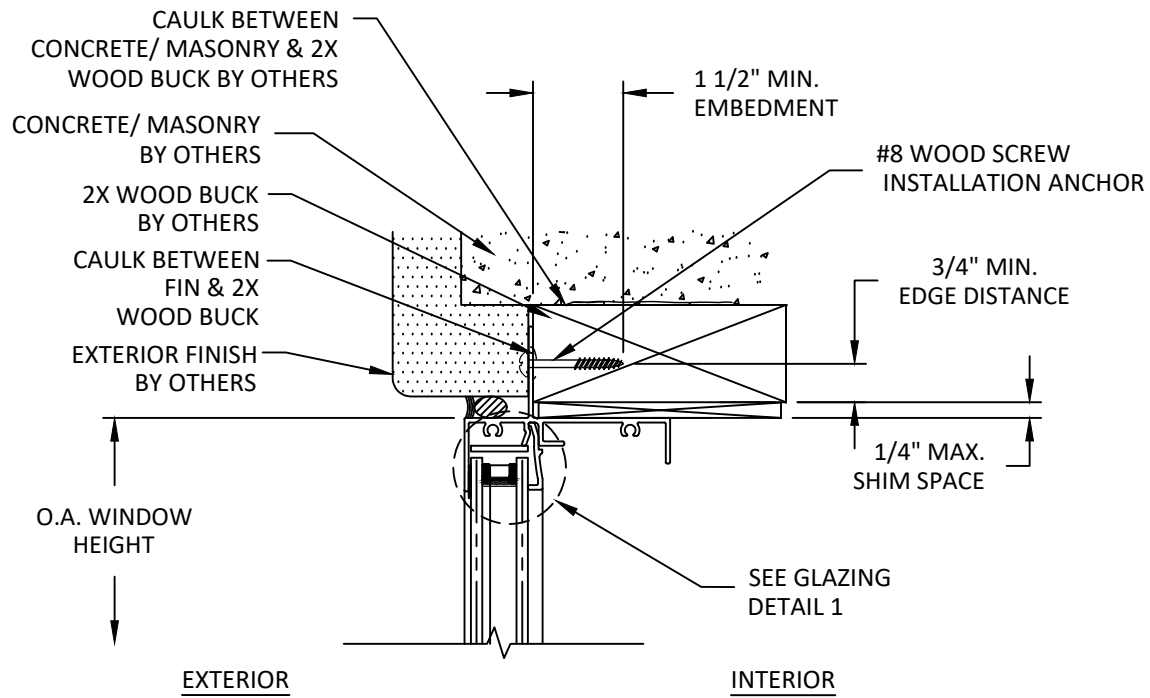
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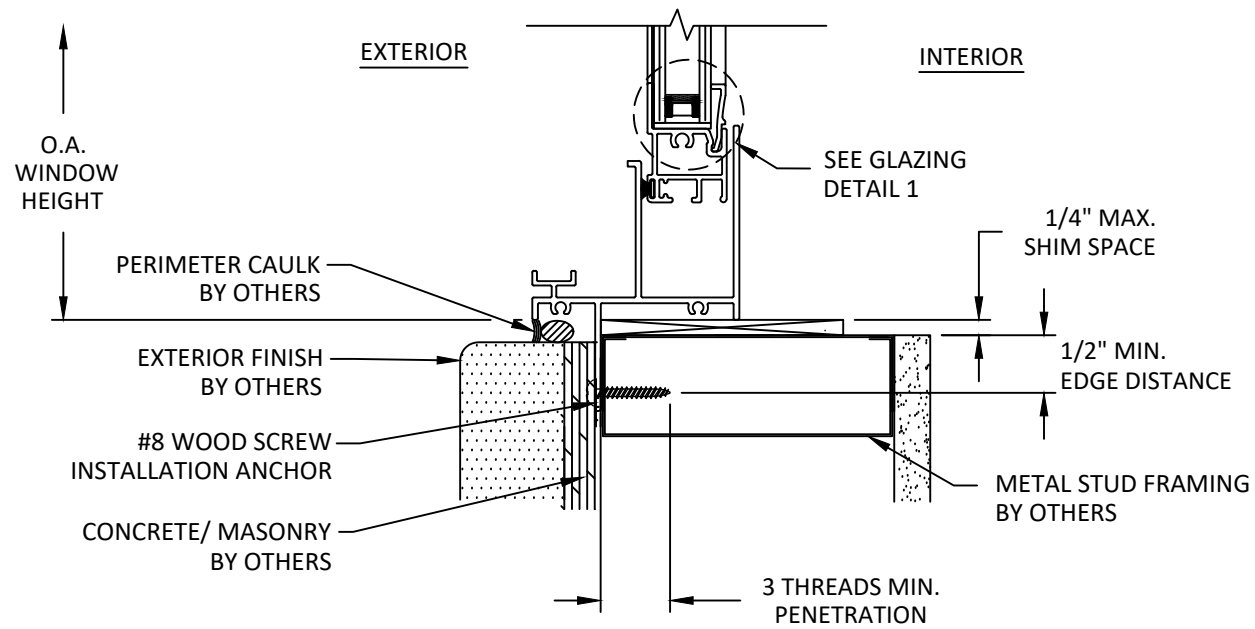
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REV. A

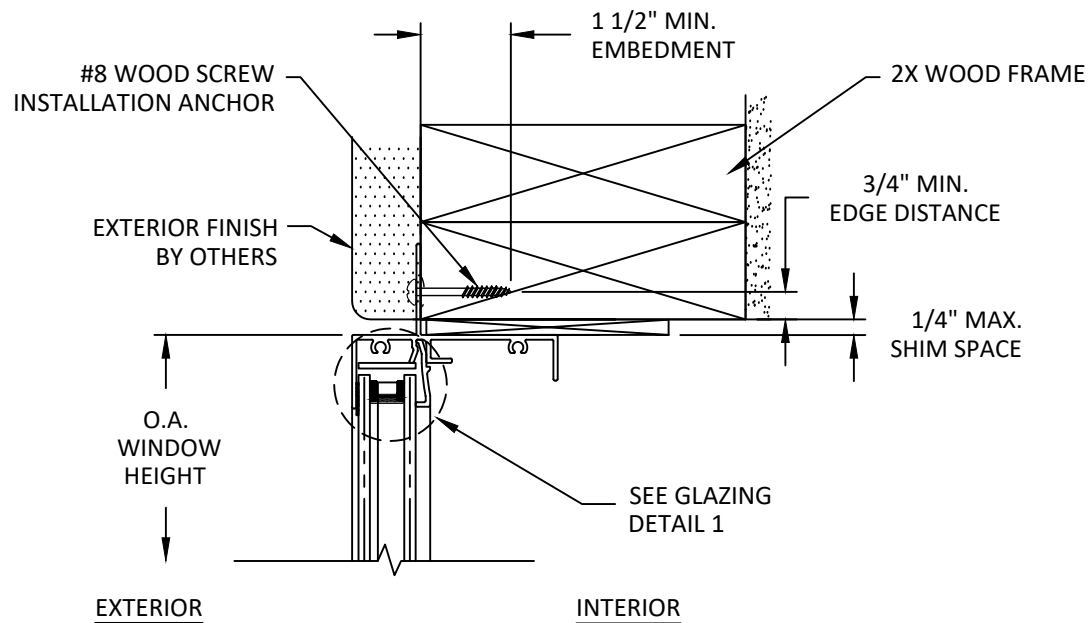
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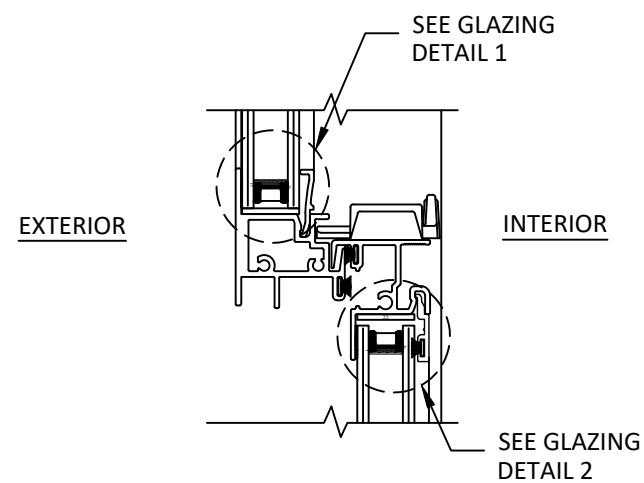
A
3 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
NAIL FIN INSTALLATION



B
3 **VERTICAL SECTION**
SILL - METAL STUD FRAME
NAIL FIN INSTALLATION



C
3 **VERTICAL SECTION**
HEAD - 2X WOOD FRAME
NAIL FIN INSTALLATION



D
3 **VERTICAL SECTION**
MEETING RAIL

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VERTICAL SECTIONS

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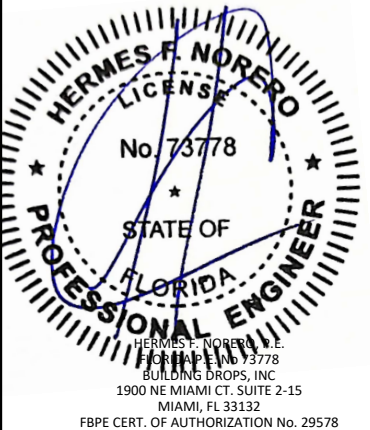
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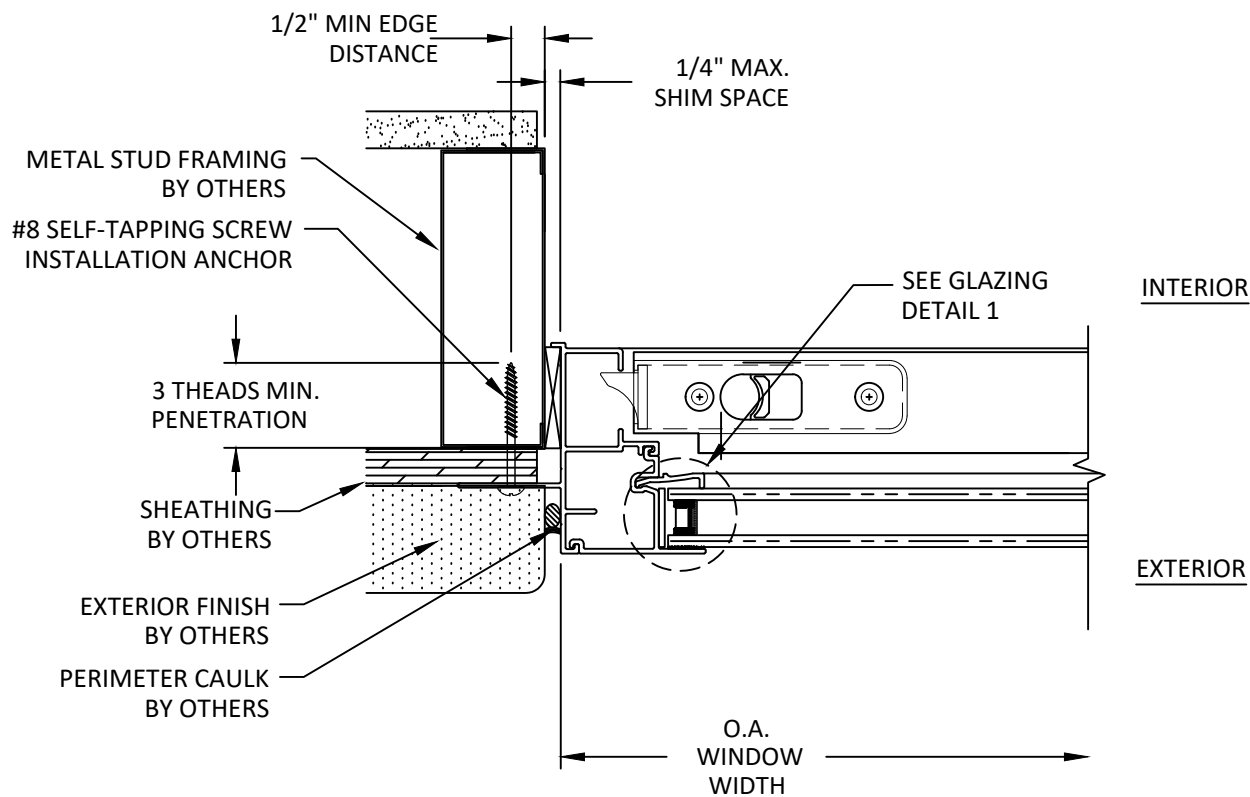
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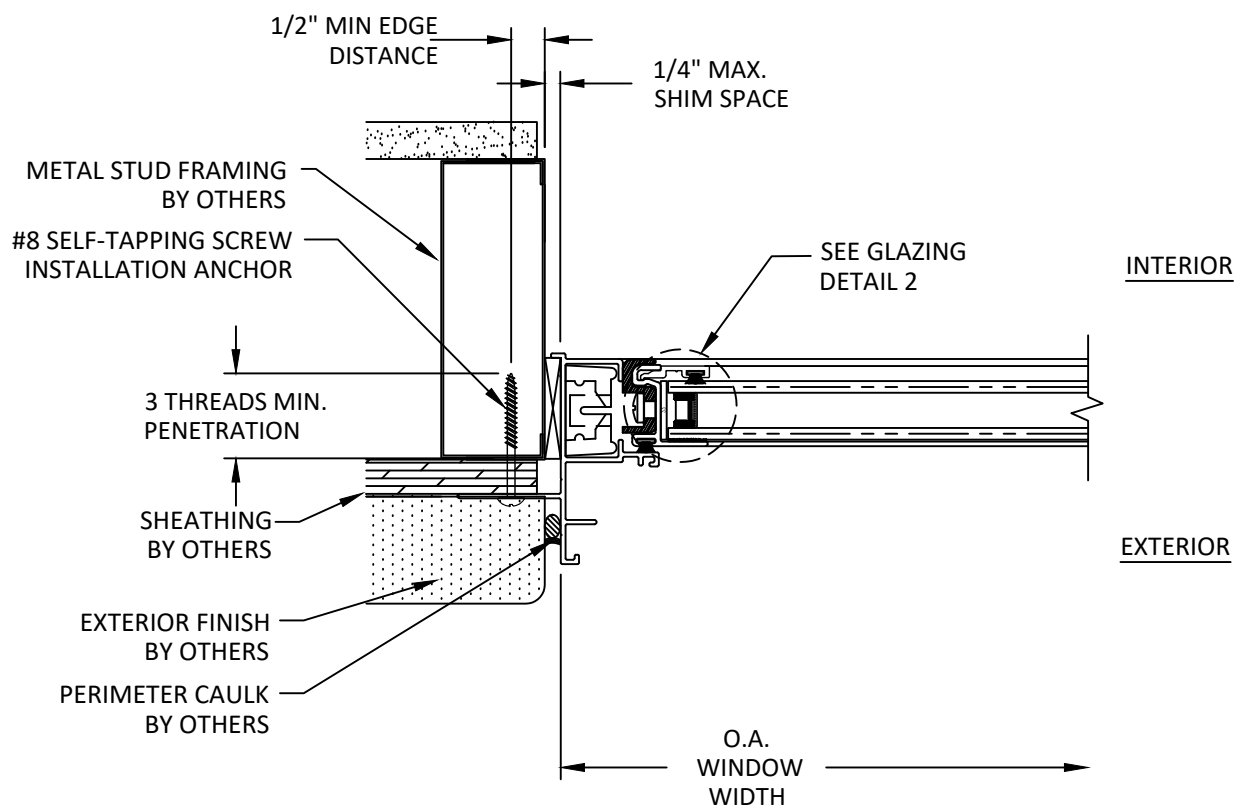
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REV. **A**

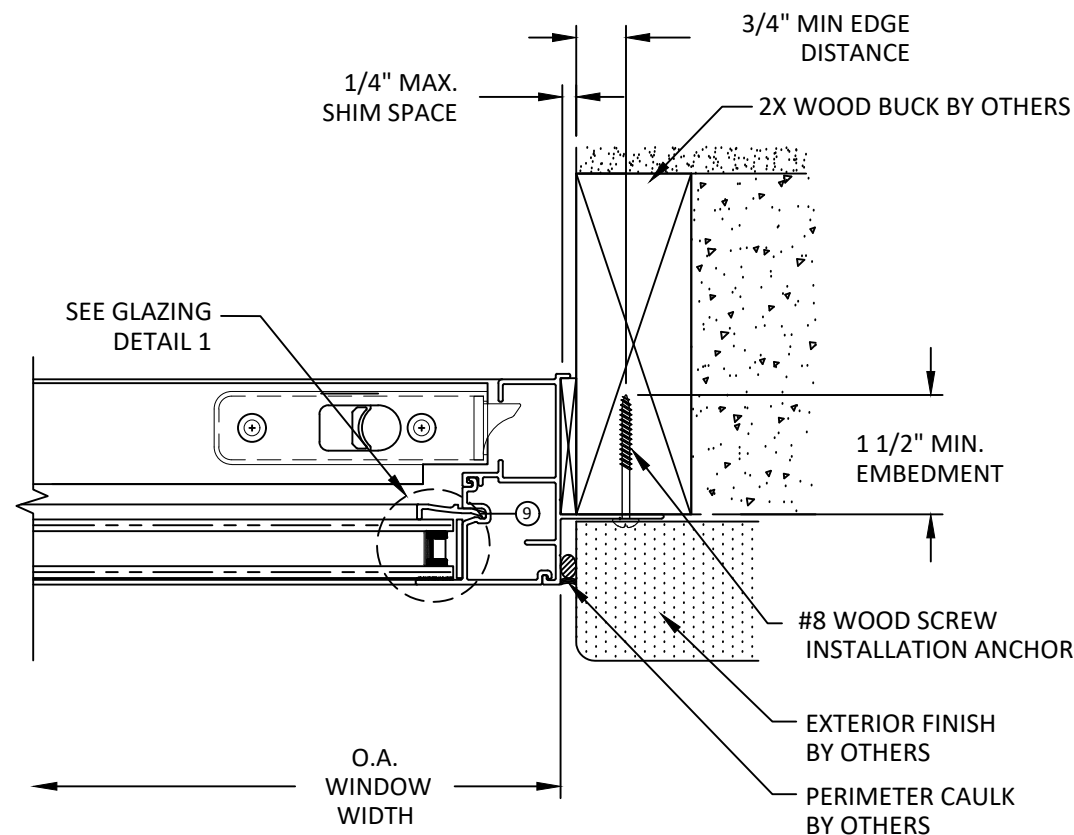
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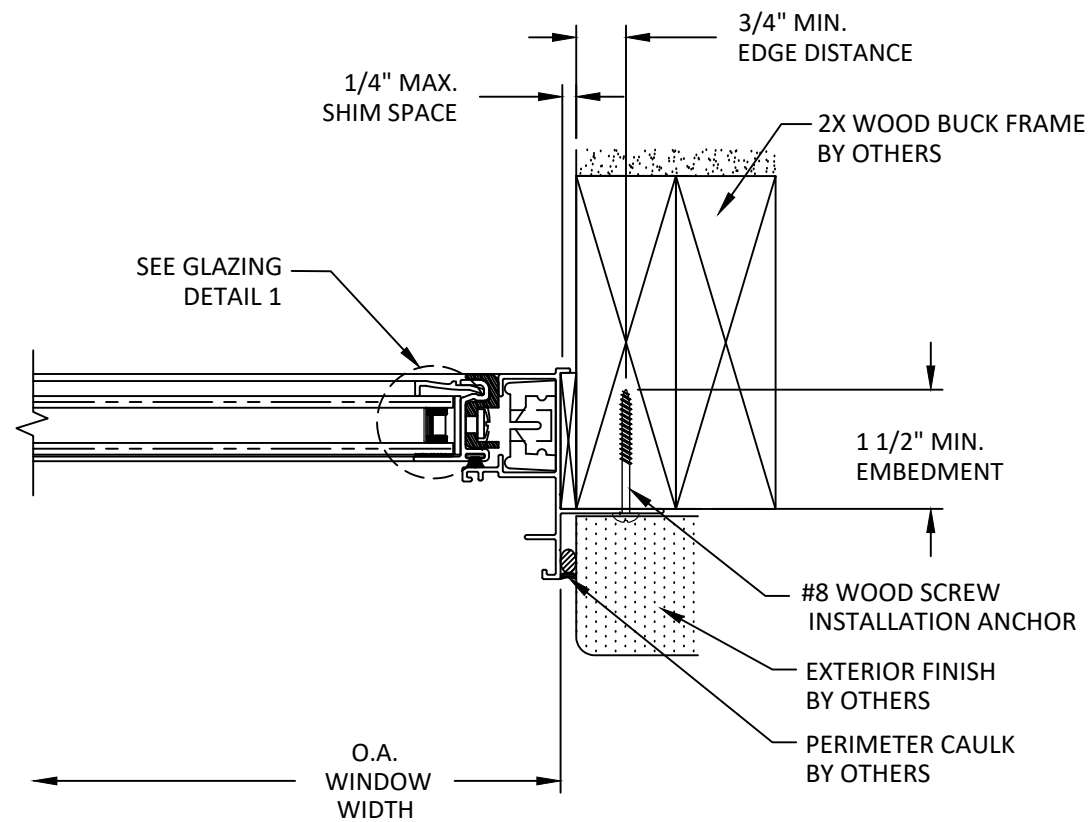
A
4 **HORIZONTAL SECTION**
FX JAMB - METAL STUD FRAME
NAIL FIN INSTALLATION



C
4 **HORIZONTAL SECTION**
OP JAMB - METAL STUD FRAME
NAIL FIN INSTALLATION



B
4 **HORIZONTAL SECTION**
FX JAMB - 2X WOOD BUCK
NAIL FIN INSTALLATION



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

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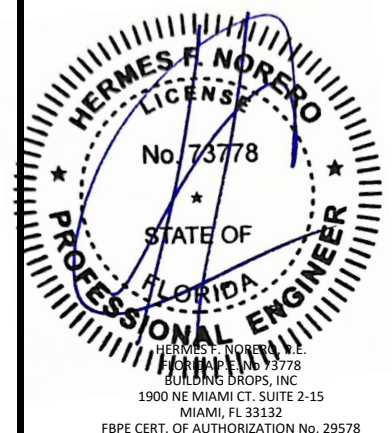
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