

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
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. 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.
5. **THROUGH FRAME:** FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS THROUGH THE FRAME OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. **THROUGH FRAME:** 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.
7. **THROUGH FRAME:** FOR INSTALLATION INTO METAL STUD OR APPROVED MULLION USE #10 GR. 5 SELF TAPPING SCREWS THROUGH THE FRAME OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
8. **THROUGH FIN:** FOR INSTALLATION INTO WOOD FRAMING USE #8 WOOD SCREWS THROUGH THE FIN OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
9. **THROUGH FIN:** FOR INSTALLATION INTO METAL STUD OR APPROVED MULLION USE #8 SELF TAPPING SCREWS THROUGH THE FIN OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
10. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
11. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
12. 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.
13. 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.
14. 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 18 GA. WALL THICKNESS.

F. ALUMINUM - MINIMUM ALLOY 6063-T5. MINIMUM WALL THICKNESS OF 1/16" (0.0625").

ATRIUM CORPORATION

SERIES 130 SINGLE HUNG WINDOW

(NON-HVHZ) (NON-IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT IRC/IBC AND CURRENT FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:

AAMA/WDMA/CSA 101/I.S.2/A440-08

AAMA 450-10
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X 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 IN NON-HVHZ AREAS.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: PVC
7. DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED IN ACCORDANCE WITH THE CURRENT FBC.
8. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 7 FOR GLAZING DETAIL.

MAX O.A. SIZE		CONFIGURATION	DESIGN PRESSURE		MISSILE IMPACT RATING
WIDTH	HEIGHT		THROUGH FIN	THROUGH FRAME	
53"	77"	O/X	+/- 50 PSF	+/- 50 PSF	NON-IMPACT
48"	108-1/2"	O / O/X	+/- 50 PSF	+/- 50 PSF	NON-IMPACT
72-1/2"	108-1/2"	O / DOUBLE O/X	+/- 50 PSF	+/- 50 PSF	NON-IMPACT
96-1/2"	84"	DOUBLE O/X	+/- 35 PSF	+/- 50 PSF	NON-IMPACT
109"	77"	TRIPLE O/X	+/- 50 PSF	+/- 50 PSF	NON-IMPACT

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4	ANCHOR LAYOUTS - THROUGH FIN
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7	MULLION DETAILS & GLAZING DETAIL



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ATRIUM WINDOWS AND DOORS

300 Welcome Center Blvd.
Welcome, NC 27374
PH: (800)-542-9118

TITLE:

SERIES 130
SINGLE HUNG WINDOW

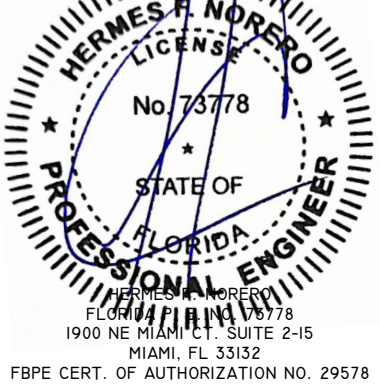
INSTALLATION & GENERAL NOTES

PREPARED BY:

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REMARKS	BY	DATE
B-CERT AGENCY UPDATE	LS	02.27.17
C-FBC 2017 CODE CHANGE	AG	10.03.17
D-ALUMINUM SUBSTRATE	YC	04.16.20
E-CURRENT FBC	LH	08.18.25
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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.01.02 14:03:45 -0500



FL #:
FL20100

DATE: **01.02.2020**

DWG. BY: **YC**CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **ATR113**

SECTION:
1
OF 7

SERIES 130
SINGLE HUNG WINDOW

ELEVATIONS

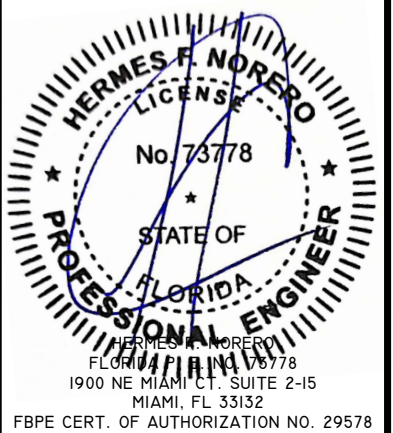
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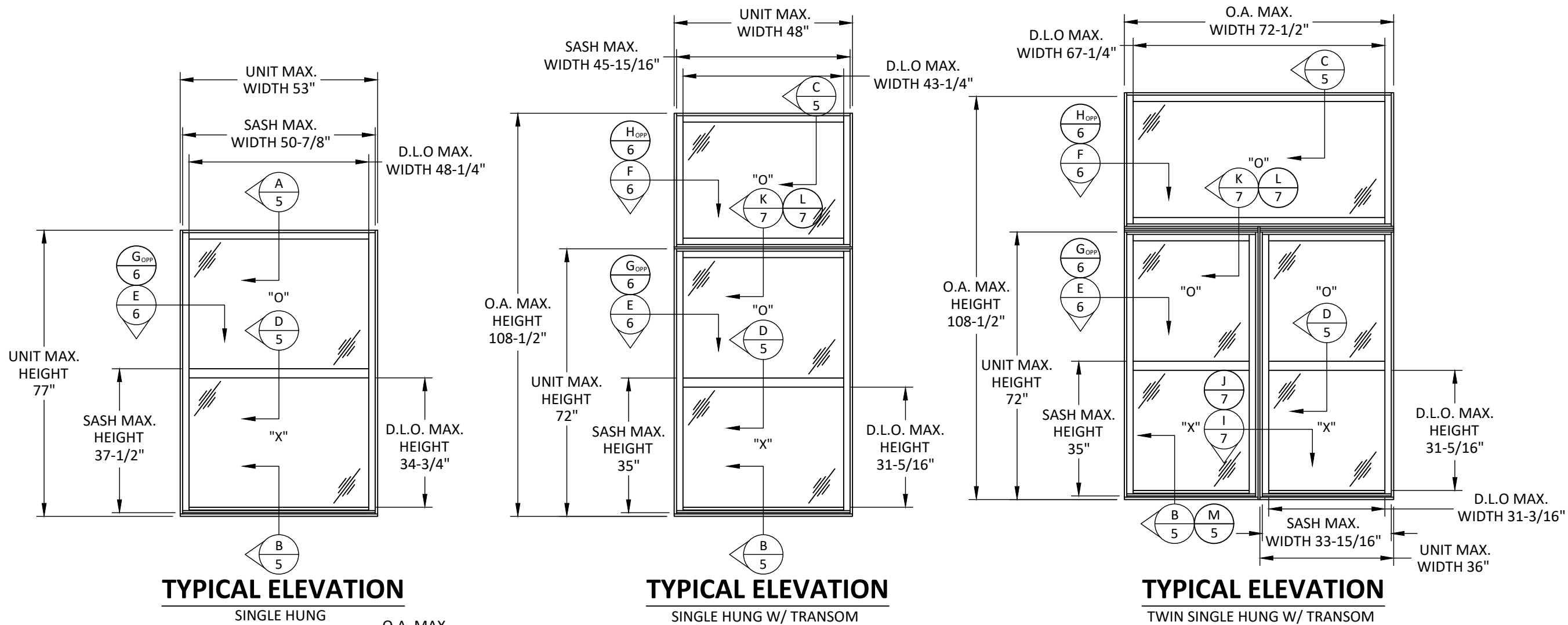
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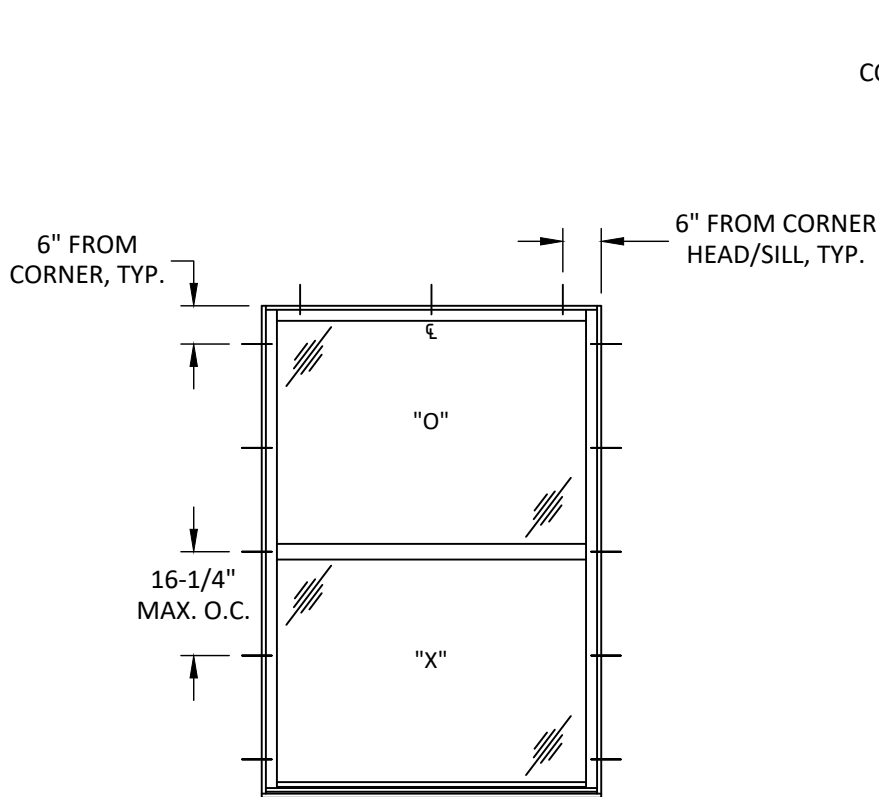
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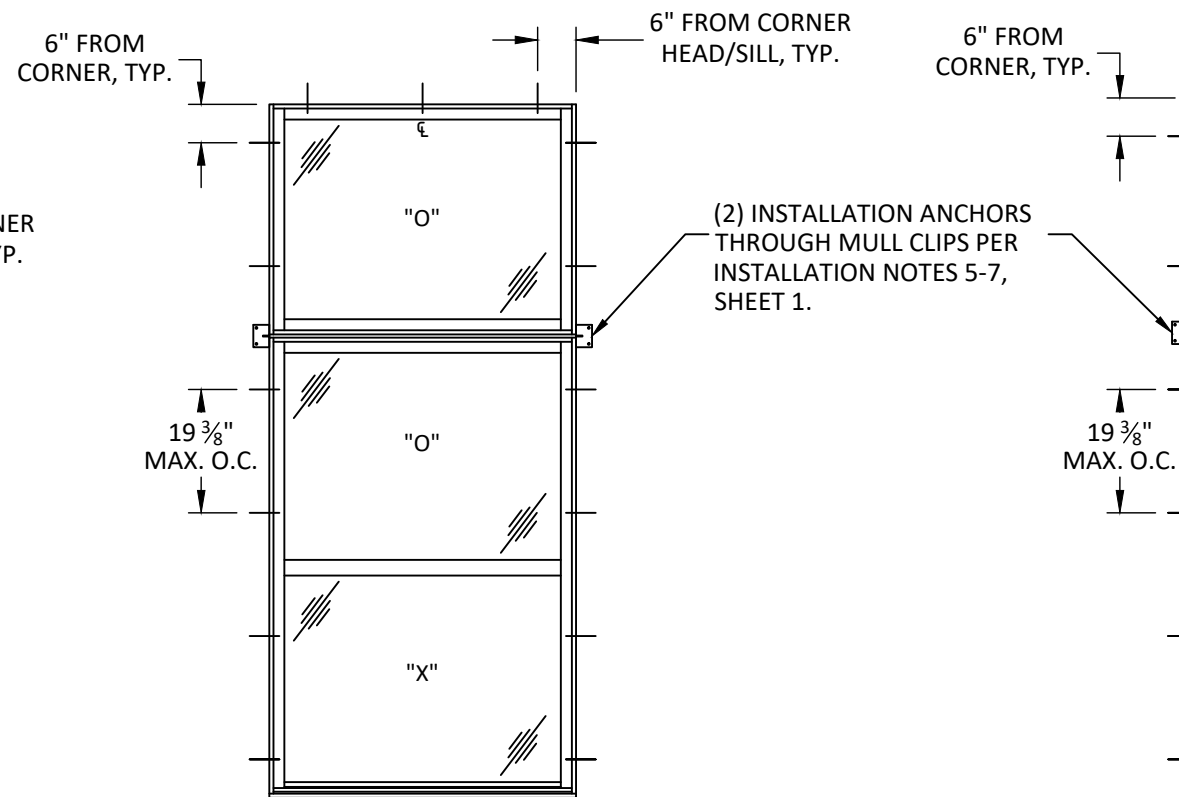
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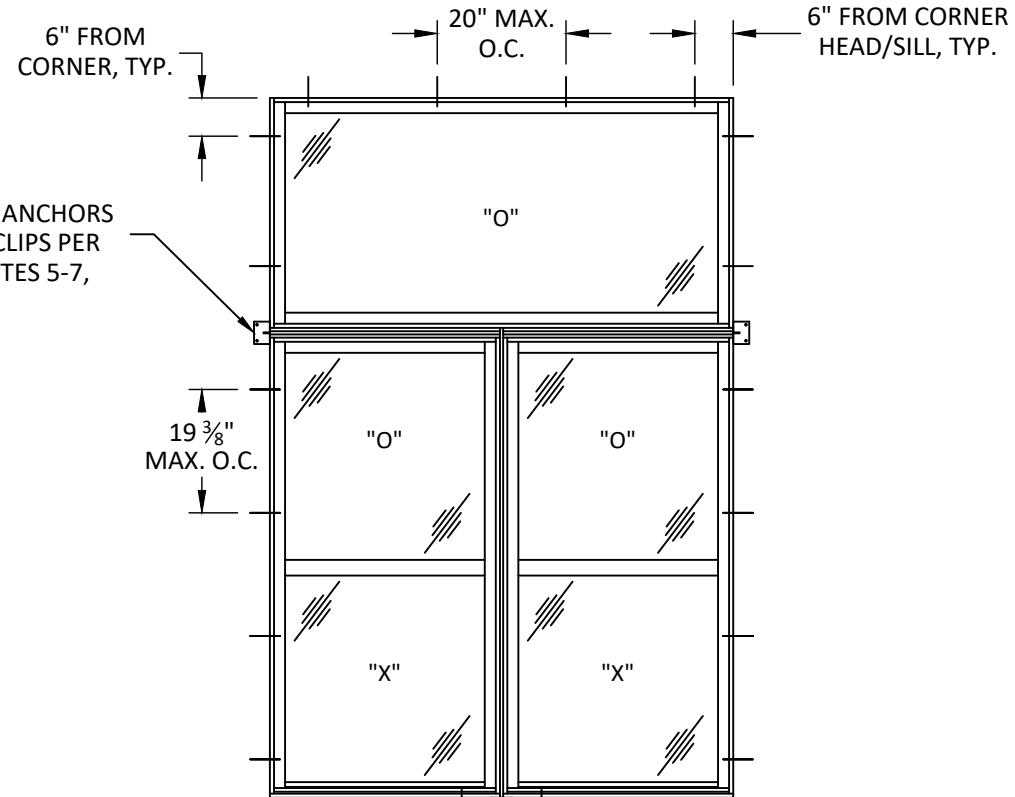




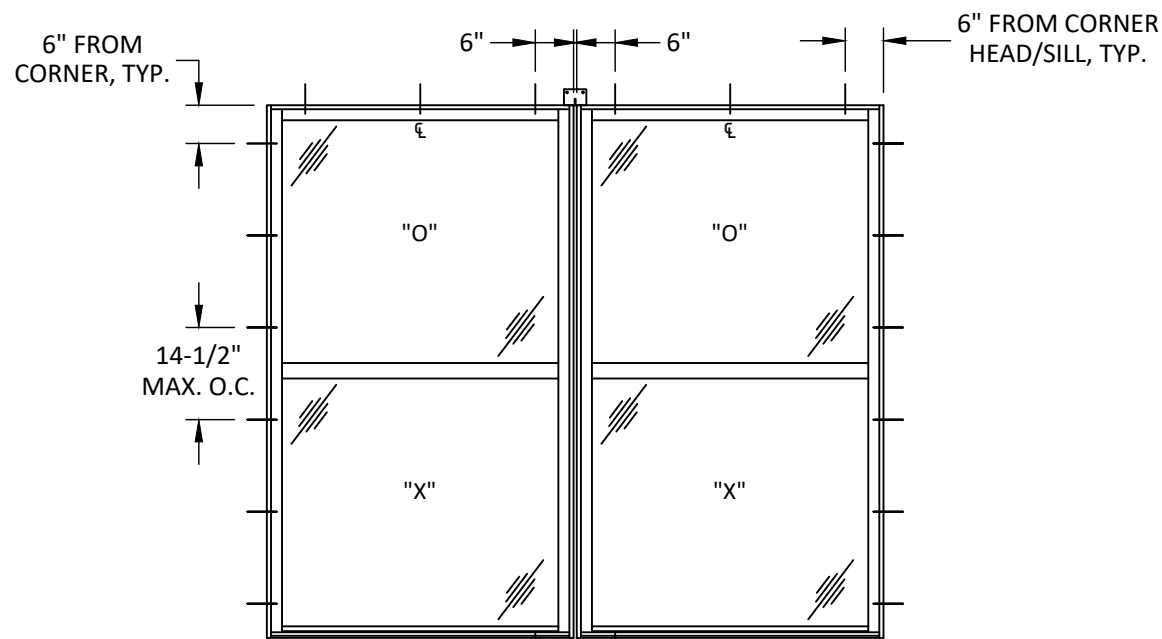
ANCHOR LAYOUT
SINGLE HUNG - THROUGH FRAME



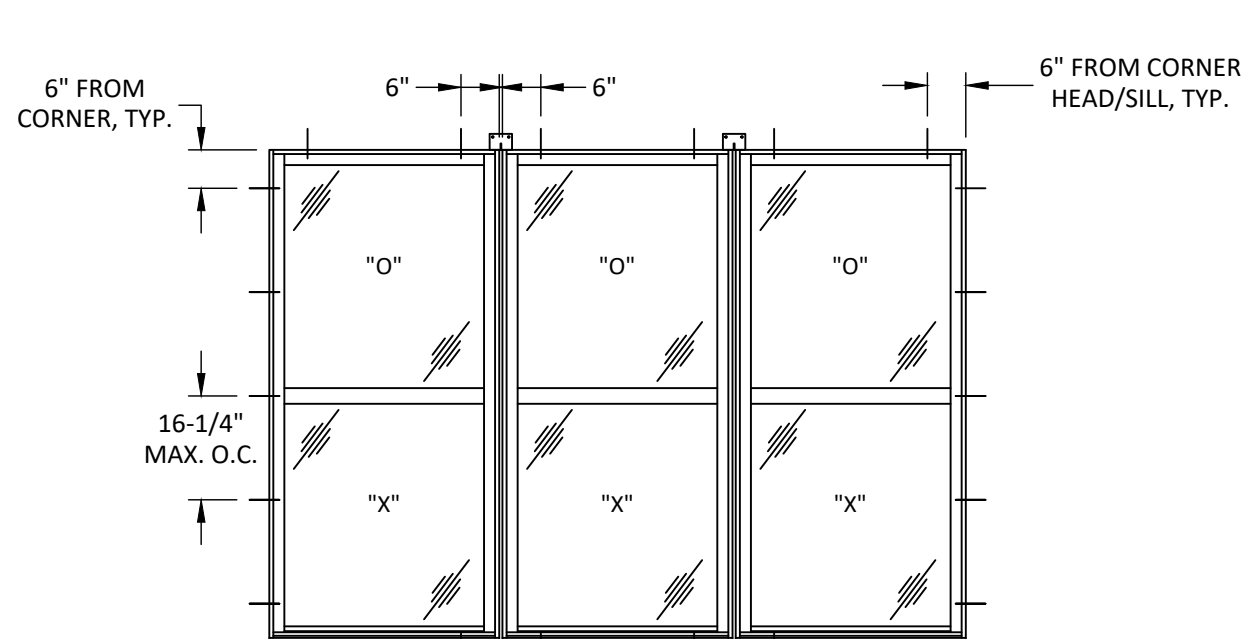
ANCHOR LAYOUT
SINGLE HUNG W/ TRANSOM - THROUGH FRAME



ANCHOR LAYOUT
TWIN SINGLE HUNG W/ TRANSOM - THROUGH FRAME



ANCHOR LAYOUT
MULLED TWIN SINGLE HUNG - THROUGH FRAME



ANCHOR LAYOUT
MULLED TRIPLE SINGLE HUNG - THROUGH FRAME

TITLE:
SERIES 130
SINGLE HUNG WINDOW

ANCHOR LAYOUTS - THROUGH FRAME

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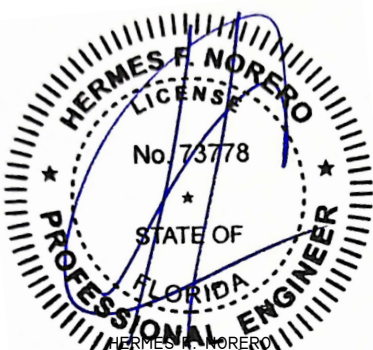
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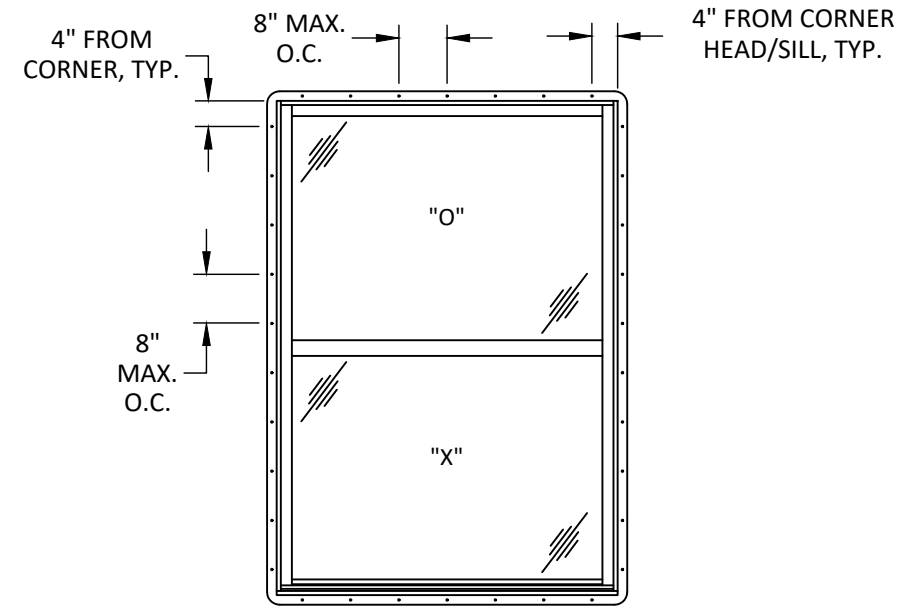
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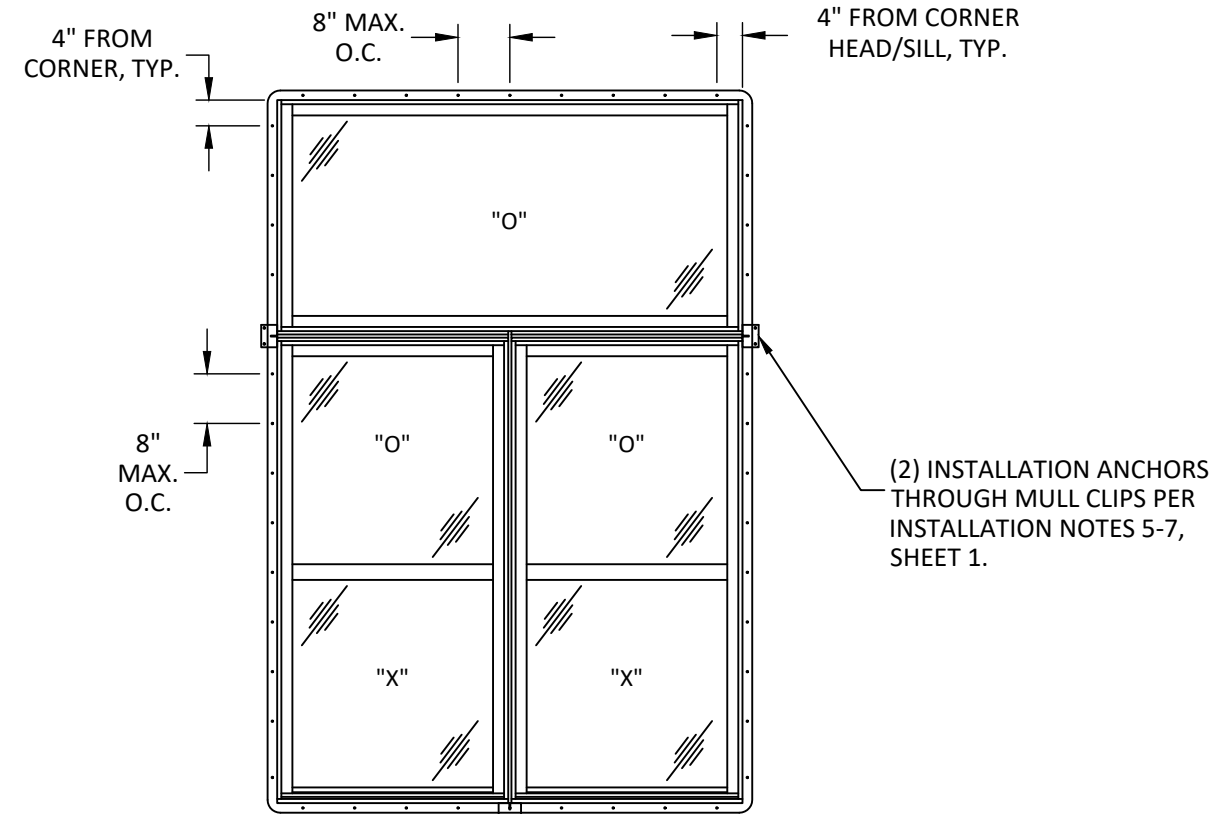


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FLORIDA LICENSE NO. 73778
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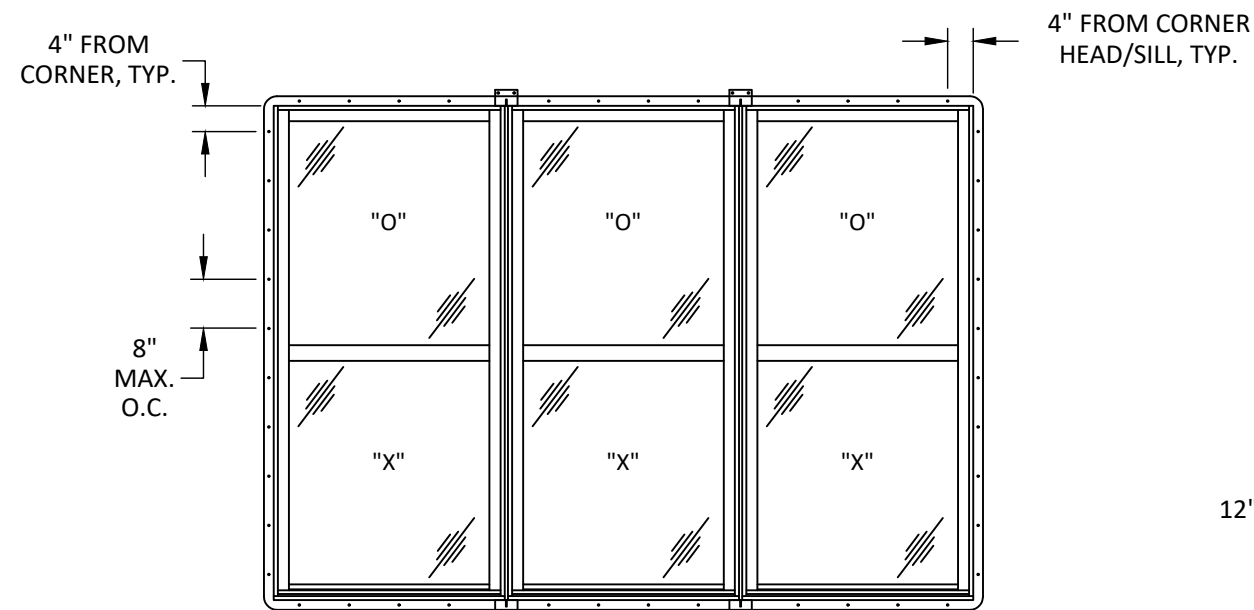
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SECTION:	3



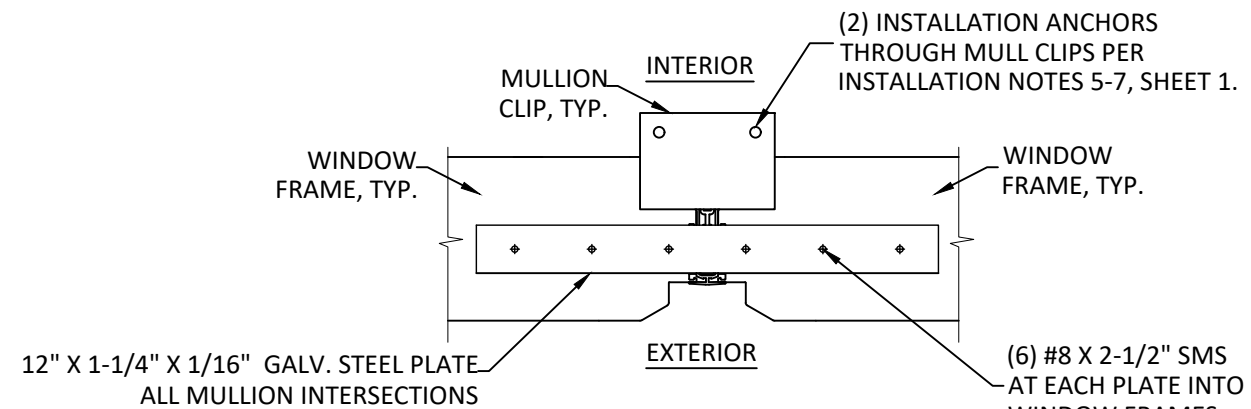
ANCHOR LAYOUT
SINGLE HUNG - THROUGH FIN



ANCHOR LAYOUT
TYP. FOR ALL SINGLE AND DOUBLE MULLED
UNITS WITH TRANSOM - THROUGH FIN



ANCHOR LAYOUT
TYP. FOR TWIN & TRIPLE MULLED
UNITS - THROUGH FIN



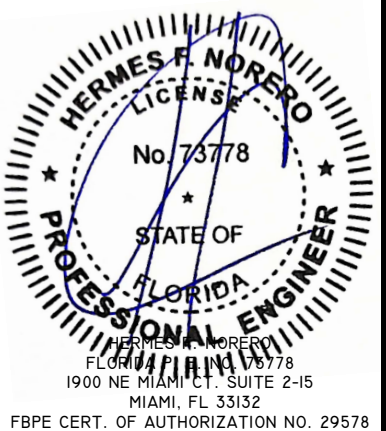
MULLION PLATE DETAIL
TYPICAL WHEREVER MULLION CLIPS OCCUR

TITLE: **SERIES 130**
SINGLE HUNG WINDOW
ANCHOR LAYOUTS (THROUGH FIN)

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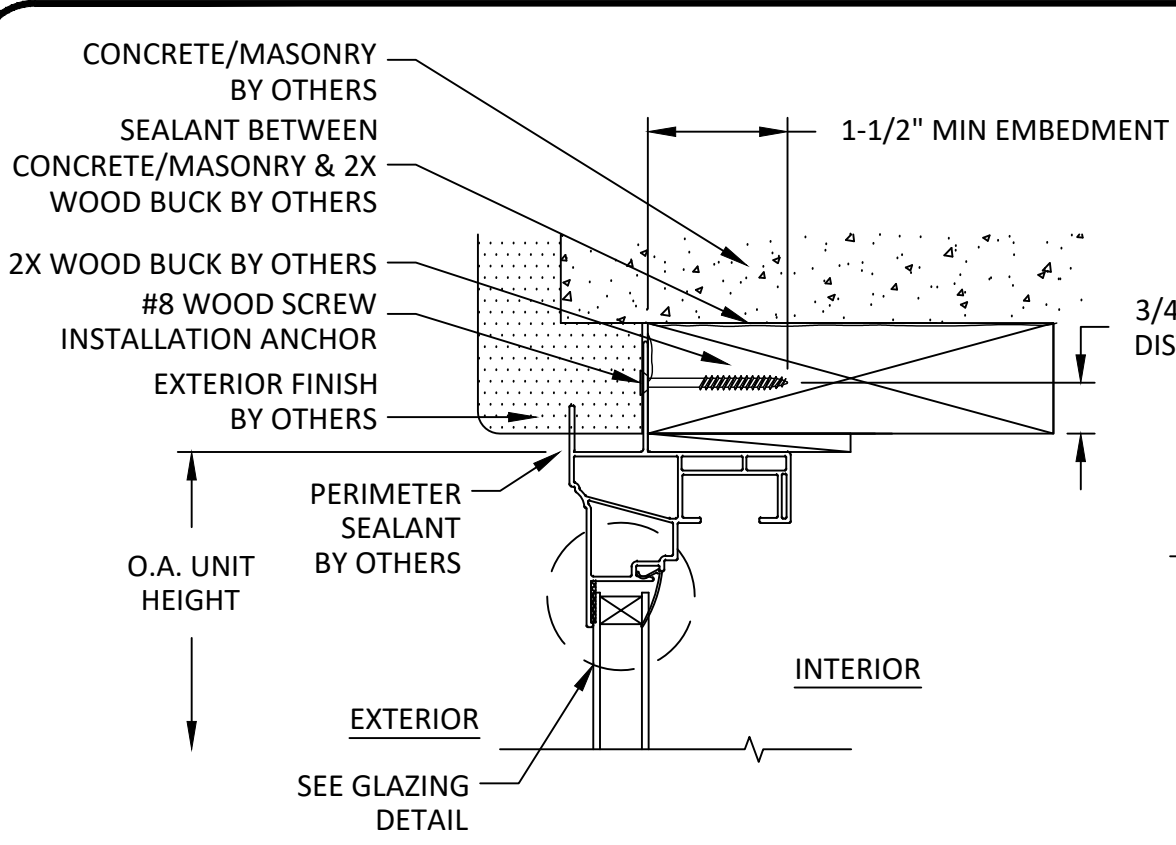
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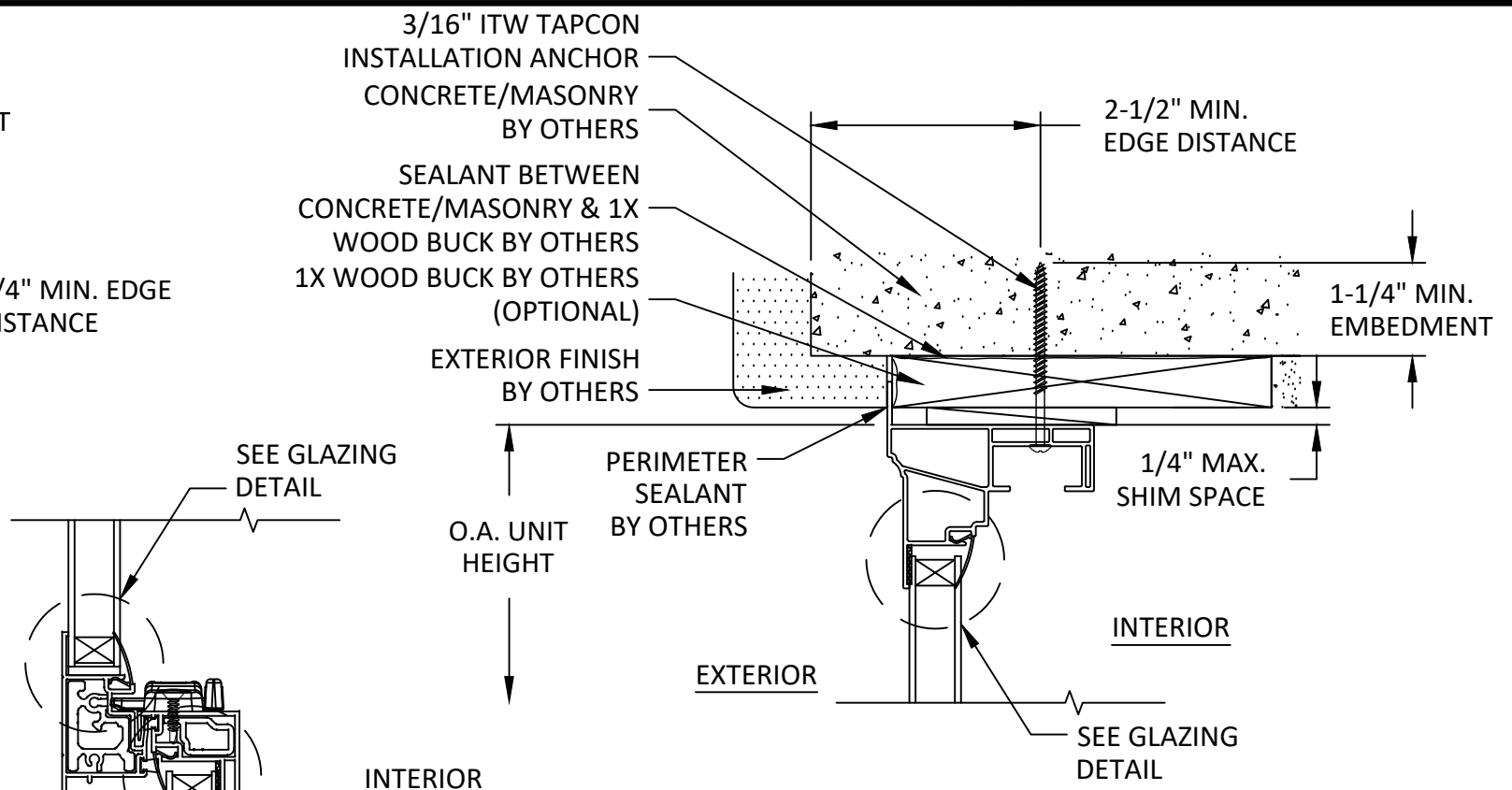
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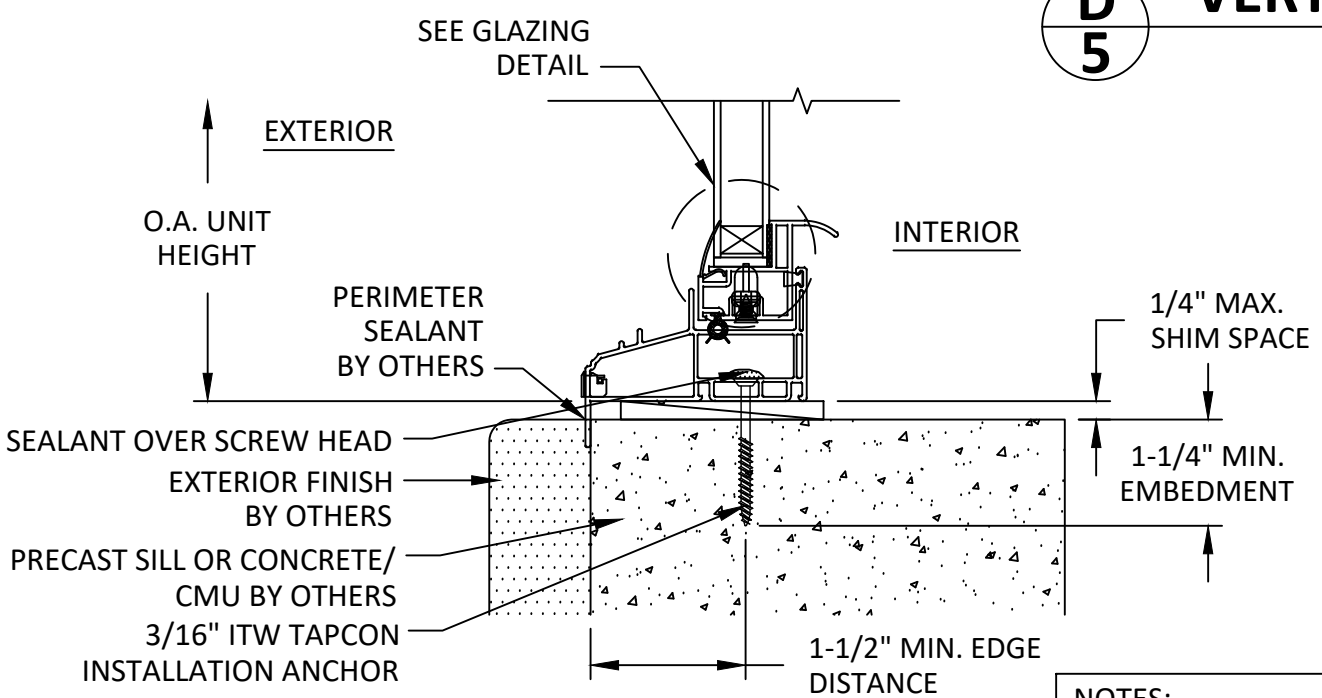


A
5 **VERTICAL SECTION**
SINGLE HUNG HEAD - 2X WOOD BUCK
THROUGH FIN

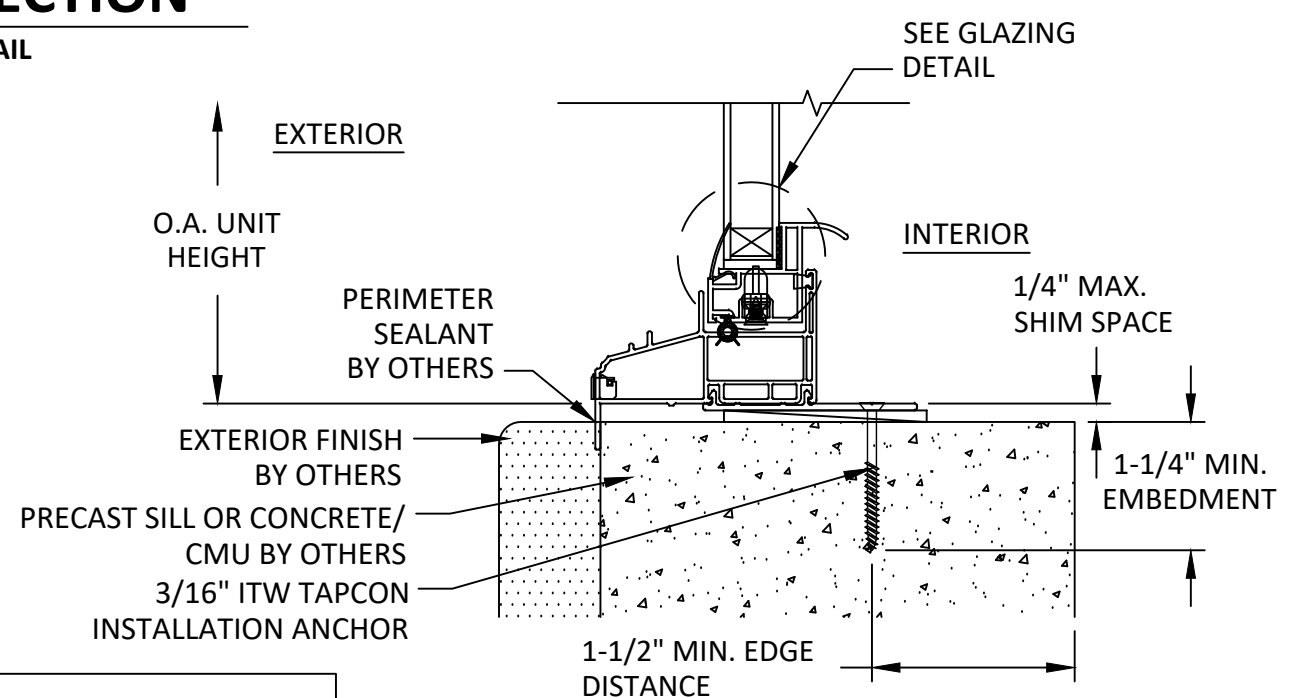


C
5 **VERTICAL SECTION**
TRANSOM HEAD - 1X/CONC./MASONRY
THROUGH FRAME

D
5 **VERTICAL SECTION**
MEETING RAIL



B
5 **VERTICAL SECTION**
SILL - CONCRETE/MASONRY
THROUGH FRAME



M
5 **VERTICAL SECTION**
SILL - CONCRETE/MASONRY
THROUGH SILL CLIP

- NOTES:**
1. SILL ANCHORS ARE FOR FACTORY MULLED UNITS ONLY, SEE SHEET 3.
 2. USE (1) SILL CLIP PER ANCHOR LOCATION. SILL CLIPS ARE TO BE USED IN MINIMUM 14-1/4" LENGTHS.



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ATRium WINDOWS AND DOORS

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TITLE:

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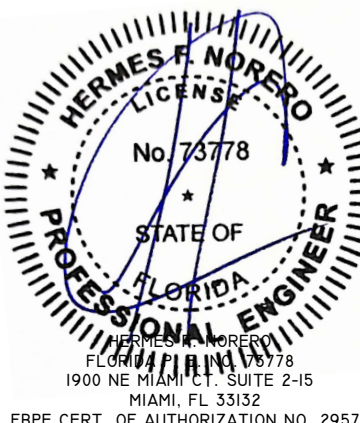
VERTICAL SECTIONS

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FBPE CERT. OF AUTHORIZATION NO. 29578

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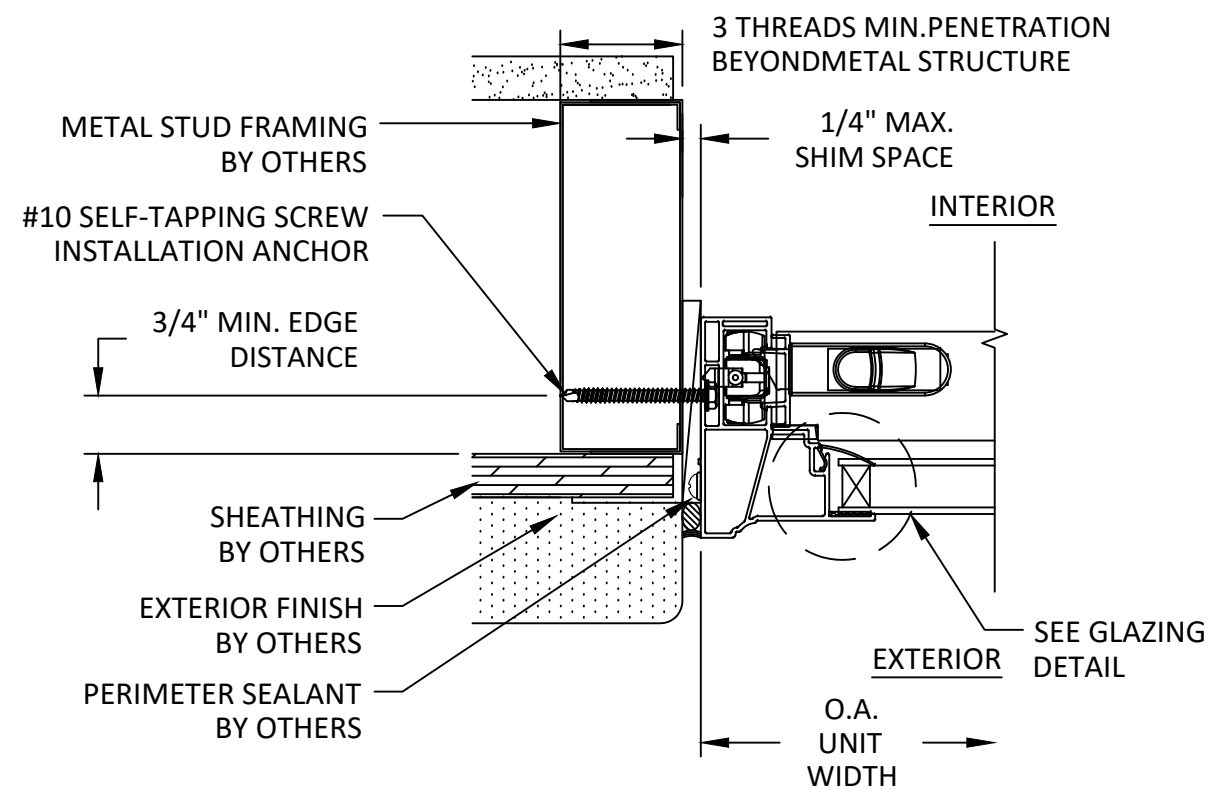
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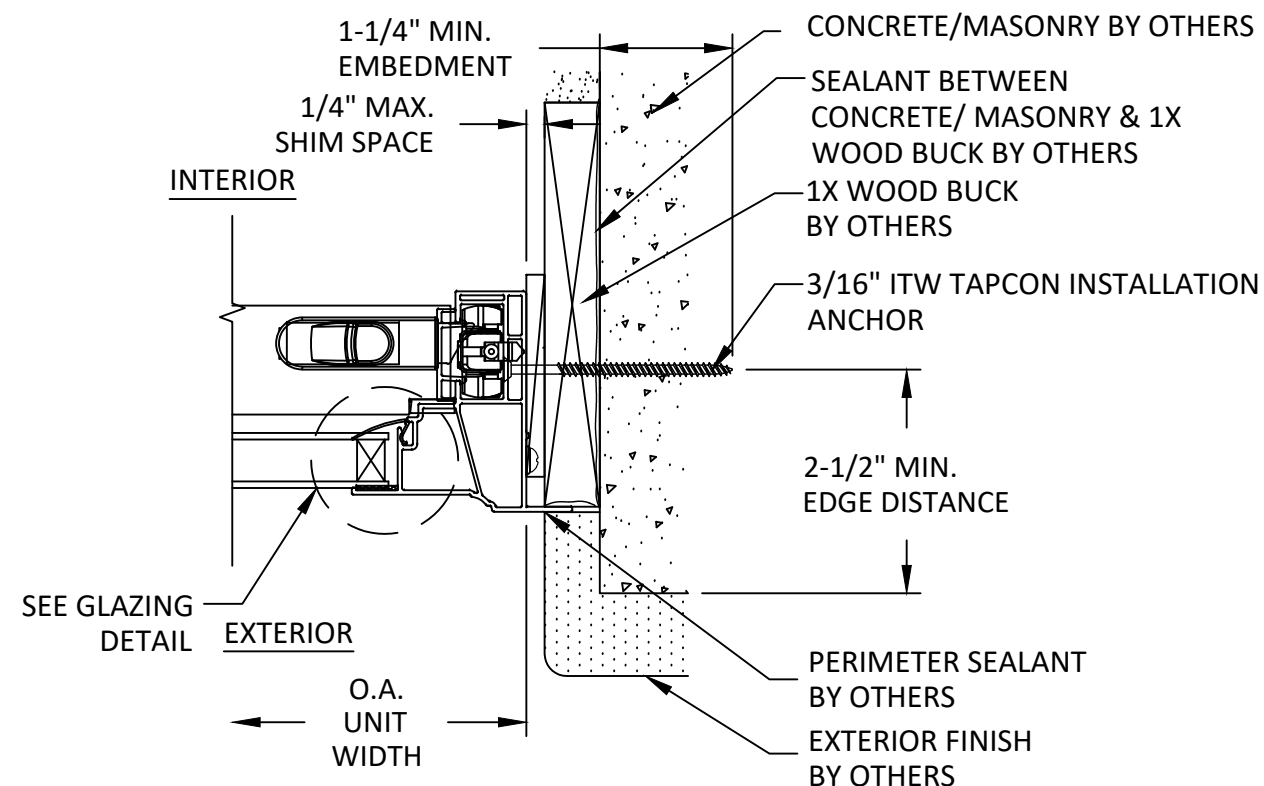
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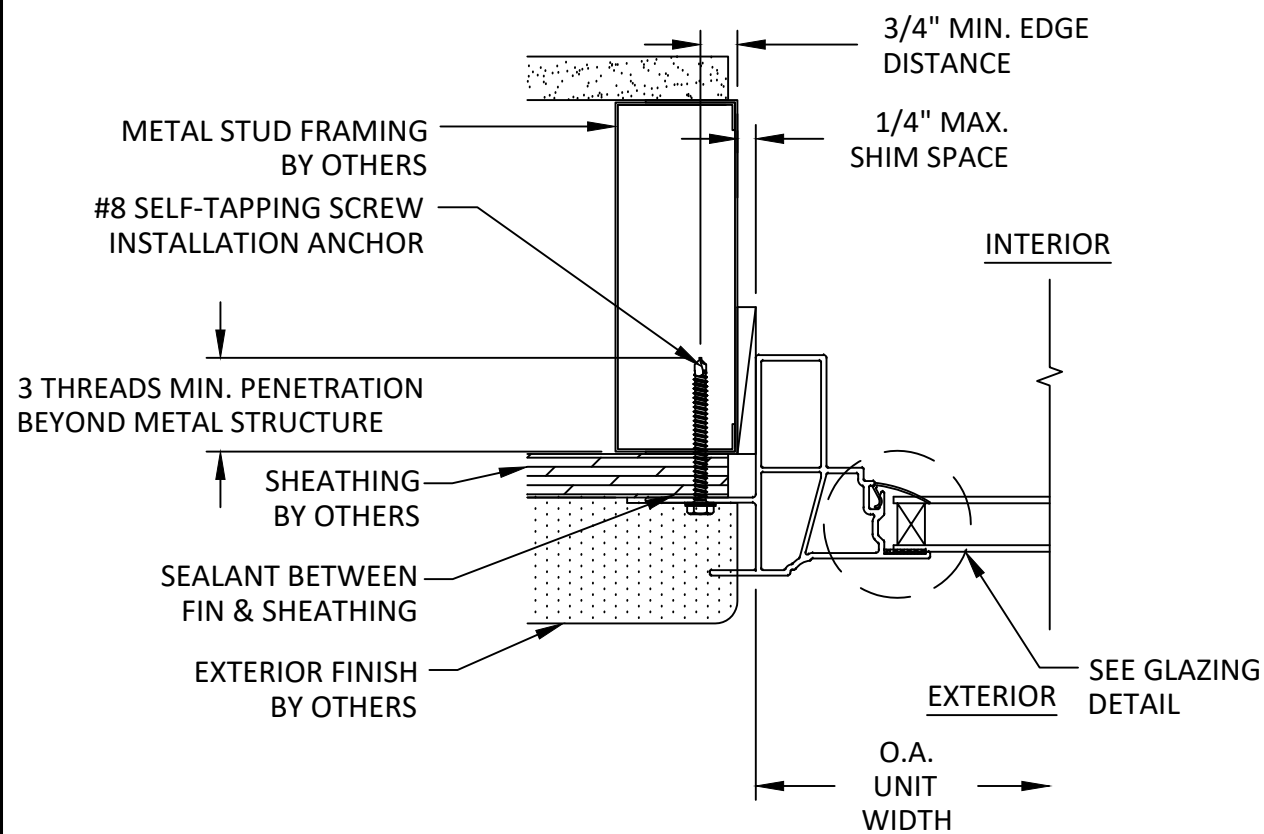
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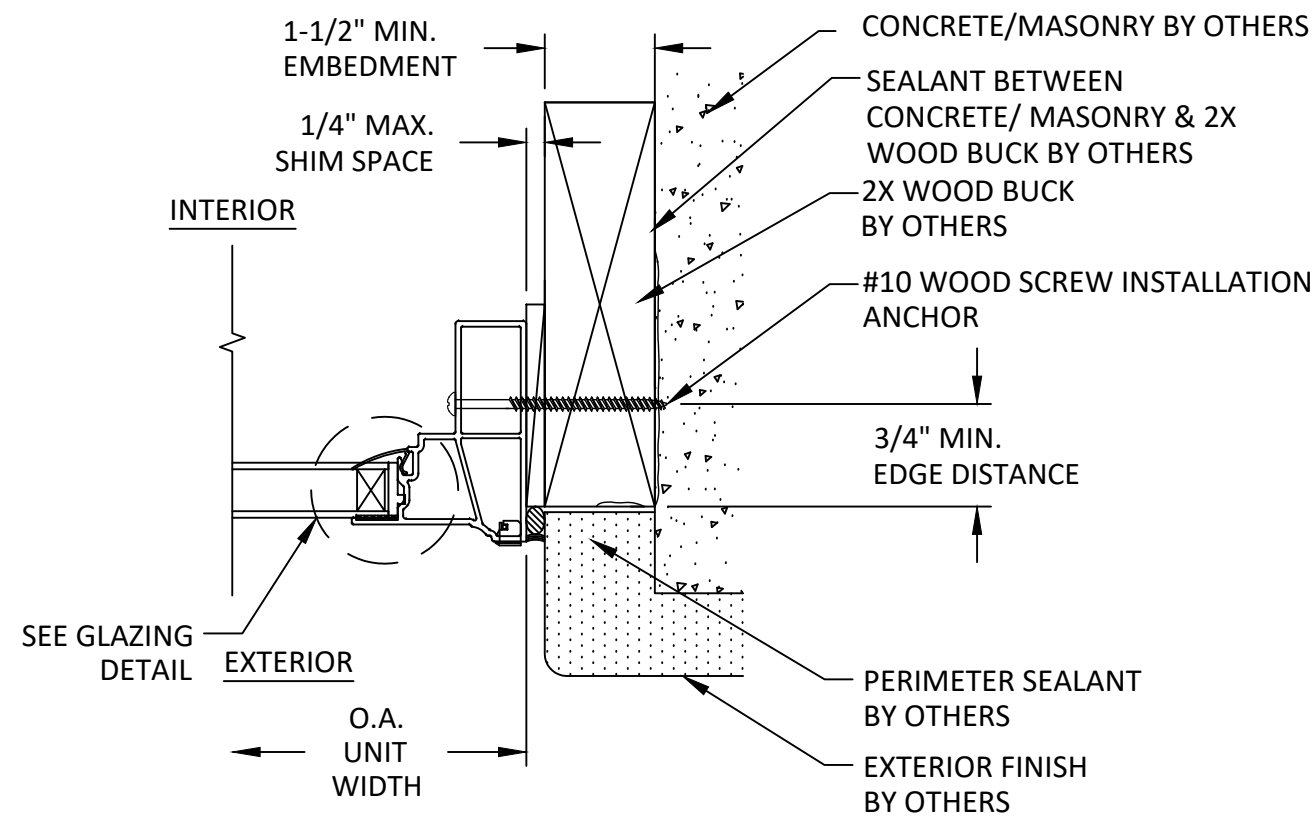
E6 **HORIZONTAL SECTION**
SINGLE HUNG JAMB - METAL STUD FRAME
THROUGH FRAME



G6 **HORIZONTAL SECTION**
SINGLE HUNG JAMB - 1X WOOD/CONC./MASONRY
THROUGH FRAME



F6 **HORIZONTAL SECTION**
TRANSOM JAMB - METAL STUD FRAME
THROUGH FIN



H6 **HORIZONTAL SECTION**
TRANSOM JAMB - 2X WOOD BUCK
THROUGH FRAME

TITLE:
SERIES 130
SINGLE HUNG WINDOW

HORIZONTAL SECTIONS

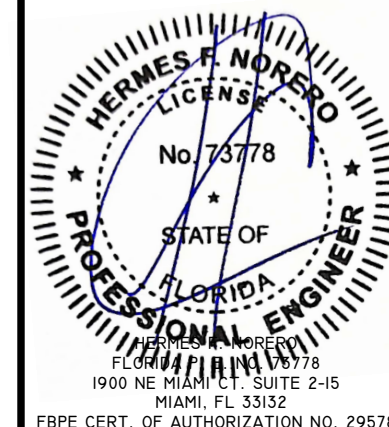
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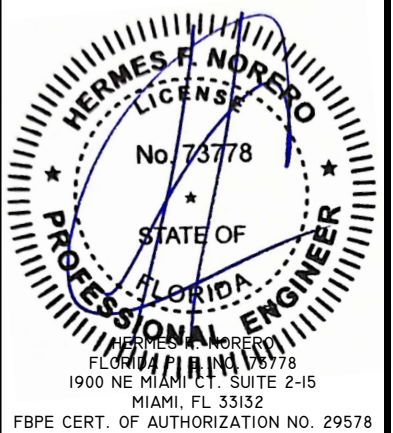
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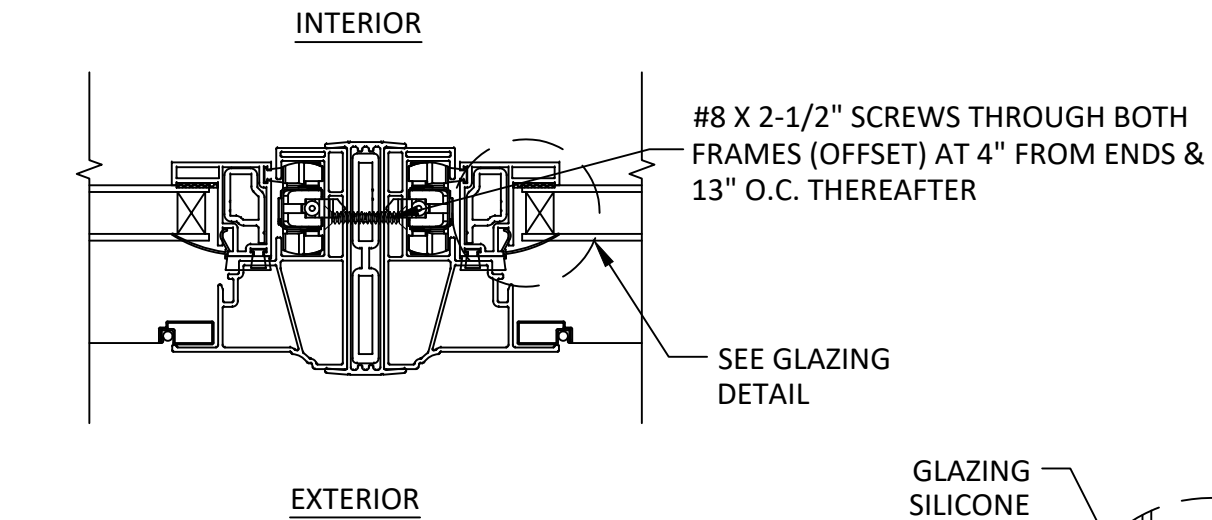
TITLE:
SERIES 130
SINGLE HUNG WINDOW
MULLION DETAILS AND GLAZING DETAIL
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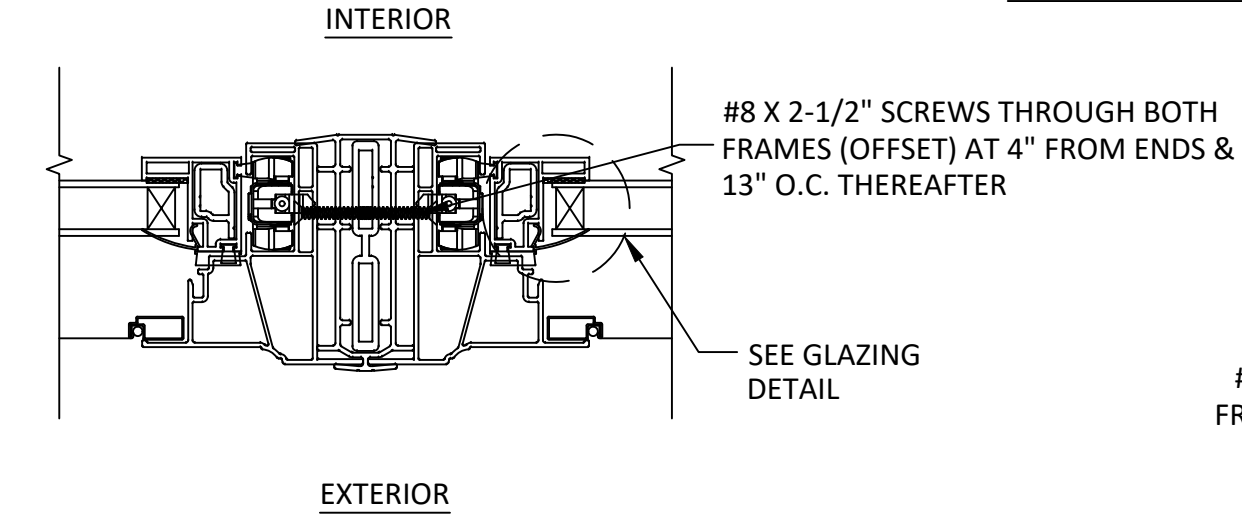


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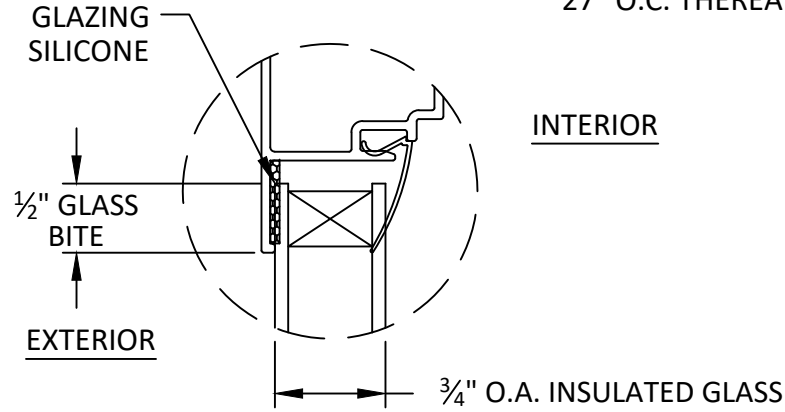


I-7
HORIZONTAL SECTION
1/2" VERTICAL MULLION

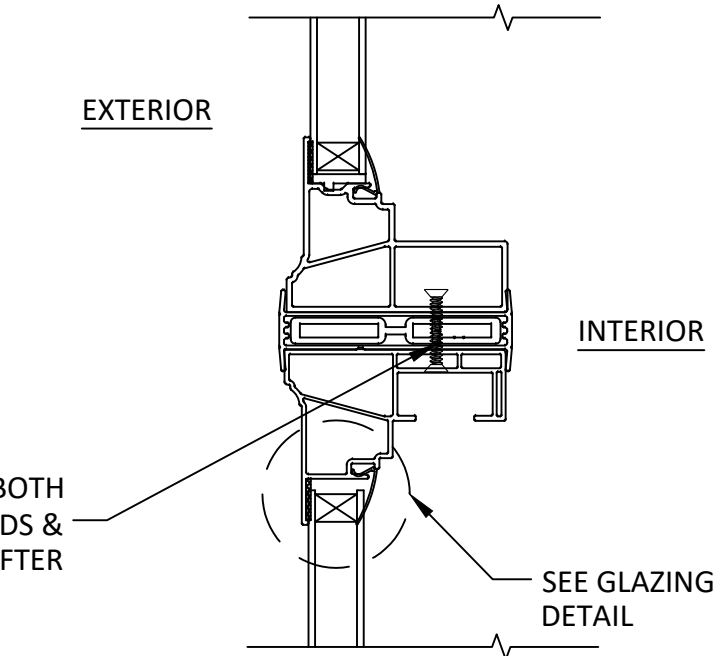
NOTE:
GLASS TYPE & THICKNESS SHALL MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS AND SAFETY GLAZING REQUIREMENTS OF FBC CHAPTER 24



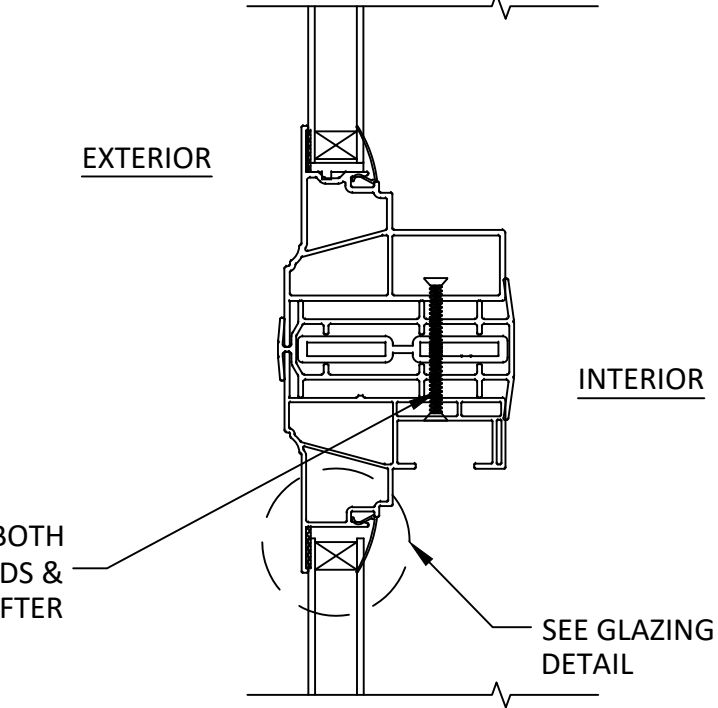
J-7
HORIZONTAL SECTION
1-1/4" VERTICAL MULLION (OPTIONAL)



GLAZING DETAIL



K-7
VERTICAL SECTION
1/2" HORIZONTAL MULLION



L-7
VERTICAL SECTION
1-1/4" HORIZONTAL MULLION (OPTIONAL)