

ATRIUM CORPORATION *SERIES 150/160 SINGLE HUNG WINDOW* *(NON-HVHZ) (NON-IMPACT)*

INSTALLATION NOTES:

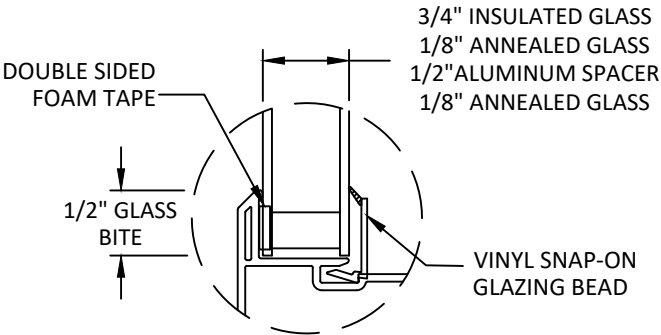
- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED TO ACHIEVE SQUARE AND PLUMB INSTALLATION 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.
- NAIL FIN INSTALLATION:** FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- NAIL FIN INSTALLATION:** FOR INSTALLATION INTO METAL STUD USE #8 GR. 5 SELF TAPPING SCREWS THROUGH THE FRAME OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
- 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.
- 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:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 18 GA. WALL THICKNESS.
 - ALUMINUM - MINIMUM ALLOY 6063-T5. MINIMUM WALL THICKNESS OF 1/16" (0.0625").

GENERAL NOTES:

- 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/A440-17
- 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.
- 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 IN NON-HVHZ AREAS.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: PVC
- GLASS SHALL MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAIL.

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SHEET	SHEET DESCRIPTION
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4	HORIZONTAL SECTIONS (NAIL FIN INSTALLATION)

MAX O.A. SIZE		CONFIGURATION	DESIGN PRESSURE		MISSILE IMPACT RATING
WIDTH	HEIGHT		NEGATIVE	POSITIVE	
108"	74"	TRIPLE O/X//O/X//O/X (MULLION WITH STIFFENER)	50 PSF	50 PSF	NON-IMPACT
108"	74"	TRIPLE O/X//O/X//O/X (MULLION W/O STIFFENER)	30 PSF	30 PSF	NON-IMPACT



GLAZING DETAIL 1

- NOTE:
- GLASS THICKNESS AND TYPE SHALL COMPLY WITH ASTM E1300 REQUIREMENTS GLASS CHARTS.
 - ALL GLAZING CONFIGURATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIEREMENTS OUTLINED IN CURRENT FBC



Part of the Cornerstone Building Brands Family

ATRIUM WINDOWS AND DOORS
 300 Welcome Center Blvd
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TITLE:

SERIES 150/160
 TRIPLE HUNG WINDOW
 INSTALLATION & GENERAL NOTES
 AND GLAZING DETAIL

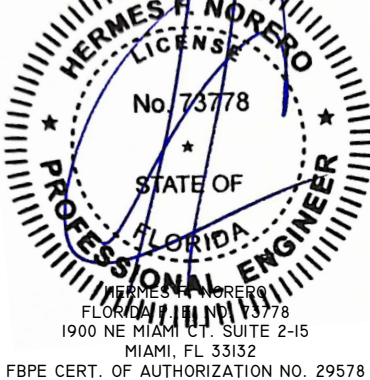
PREPARED BY:

BUILDING DROPS, INC.
 1900 NE MIAMI CT. SUITE 2-15
 MIAMI, FL 33132
 PH: (954)399-8478
 FAX: (954)744-4738
 WEB: www.buildingdrops.com

REMARKS	BY	DATE
Current FBC	LH	08.19.25

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Digitally signed by Hermes F. Norero, P.E.
 Reason: I am approving this document
 Date: 2025.10.17 14:04:38 -0400



FL #:

FL20100

DATE:

02/14/2020

DWG. BY:

YC

CHK. BY:

HFN

SCALE:

NTS

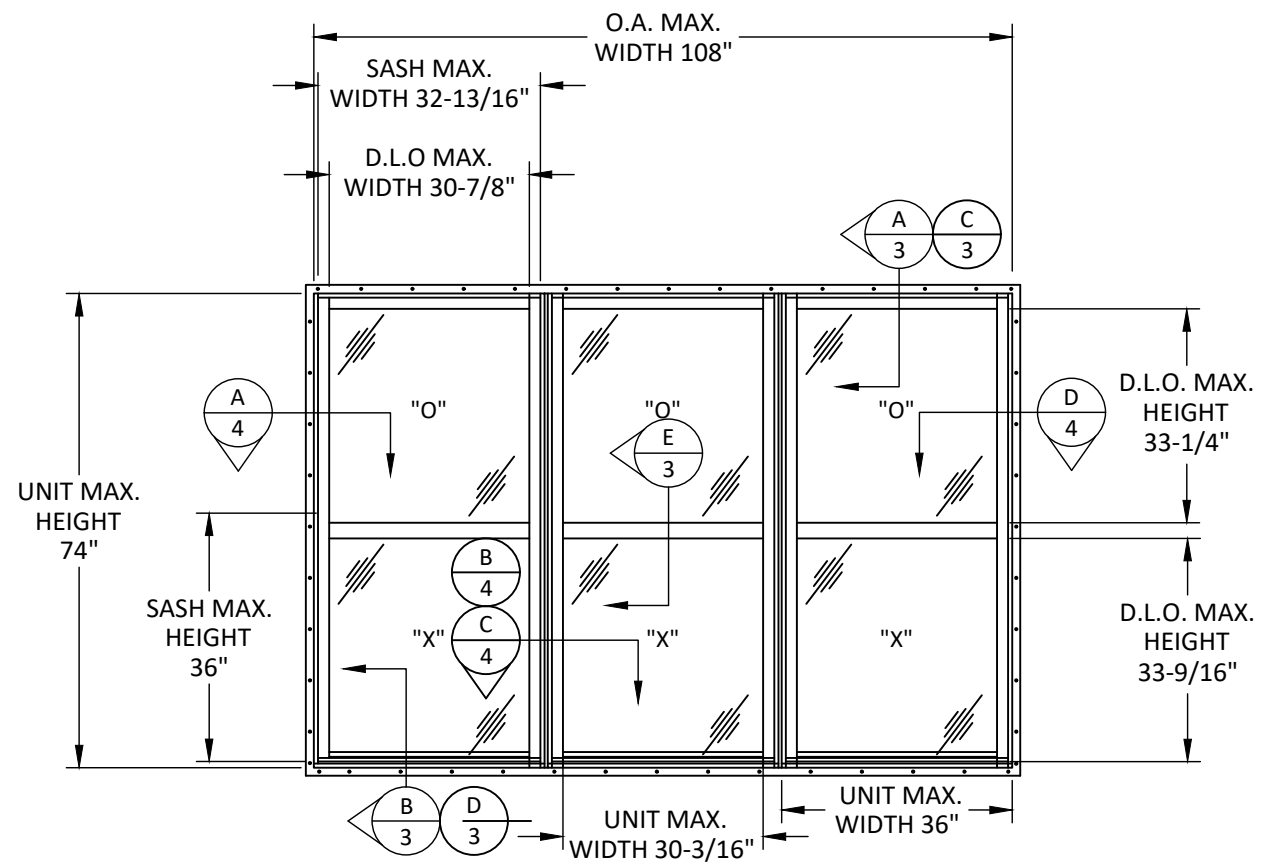
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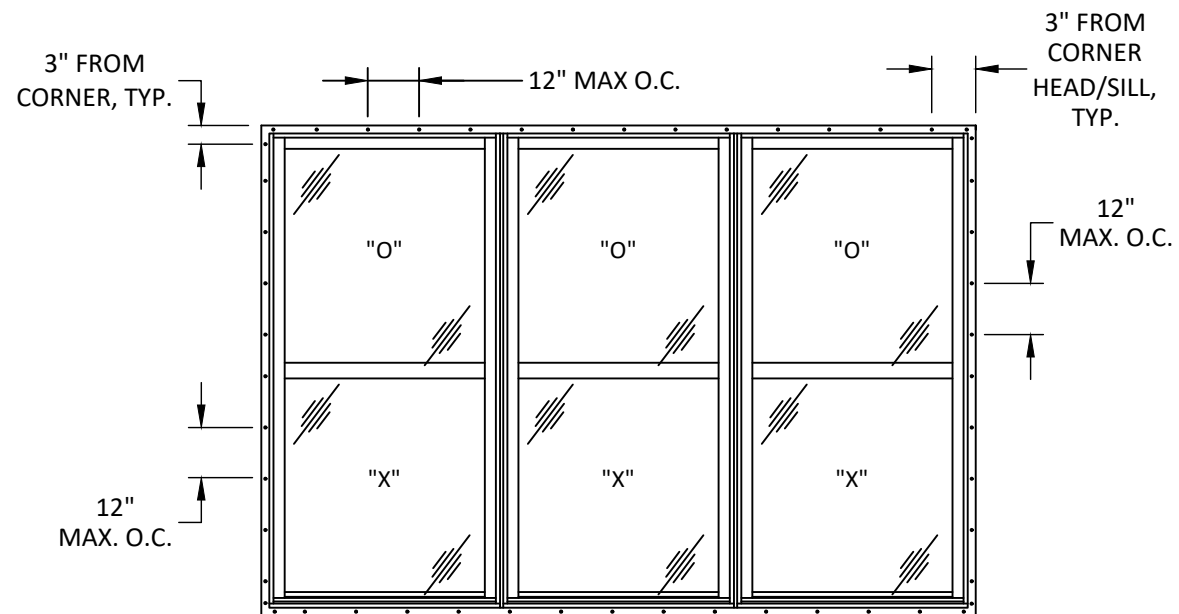
SECTION:

1

OF 4



TYPICAL ELEVATION
MULLED TRIPLE SINGLE HUNG



ANCHOR LAYOUT
MULLED TRIPLE SINGLE HUNG (NAIL FIN INSTALLATION)

SERIES 150/160
TRIPLE HUNG WINDOW
ELEVATIONS & ANCHOR LAYOUT
(NAIL FIN INSTALLATION)

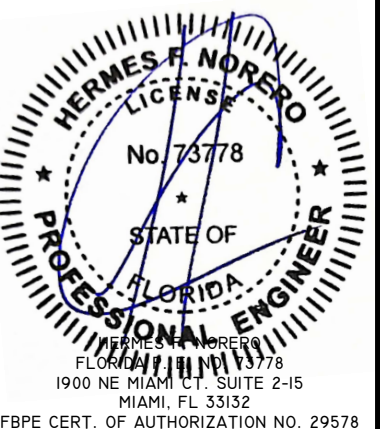
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YC

CHK. BY:
HFN

SCALE: **NTS**

DWG. #: **ATR132**

SECTION:

2

OF 4

TITLE: SERIES 150/160
TRIPLE HUNG WINDOW
VERTICAL SECTIONS
(NAIL FIN INSTALLATION)

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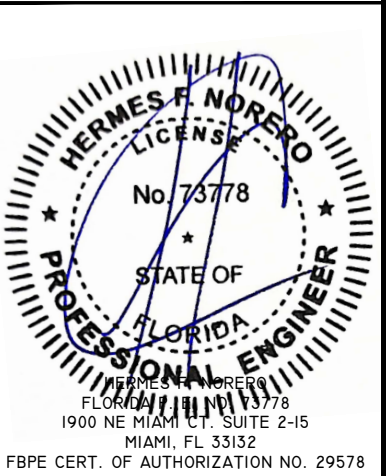
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FBPE CERT. OF AUTHORIZATION NO. 29578

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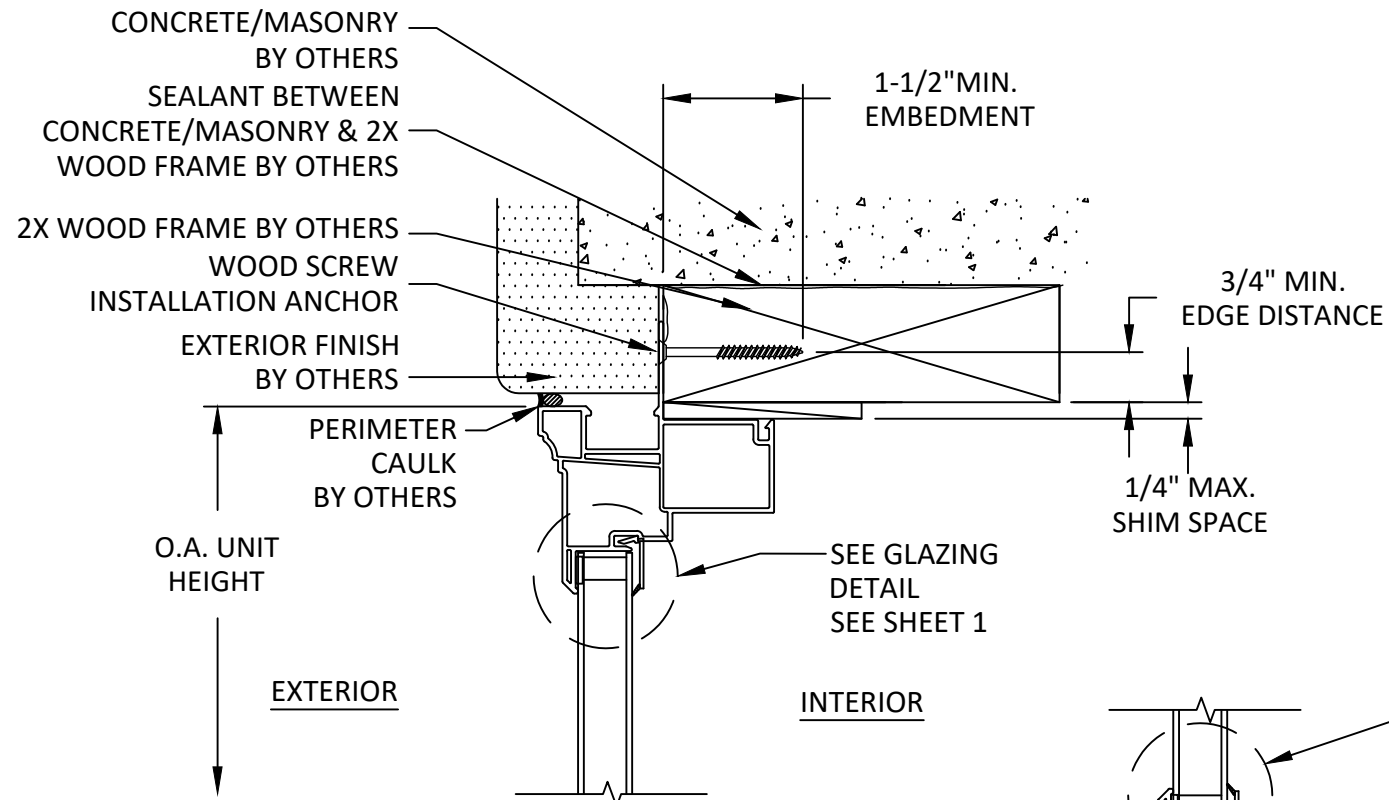
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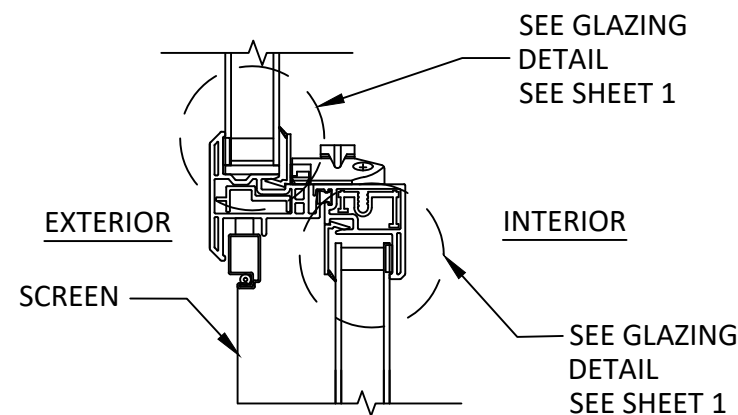
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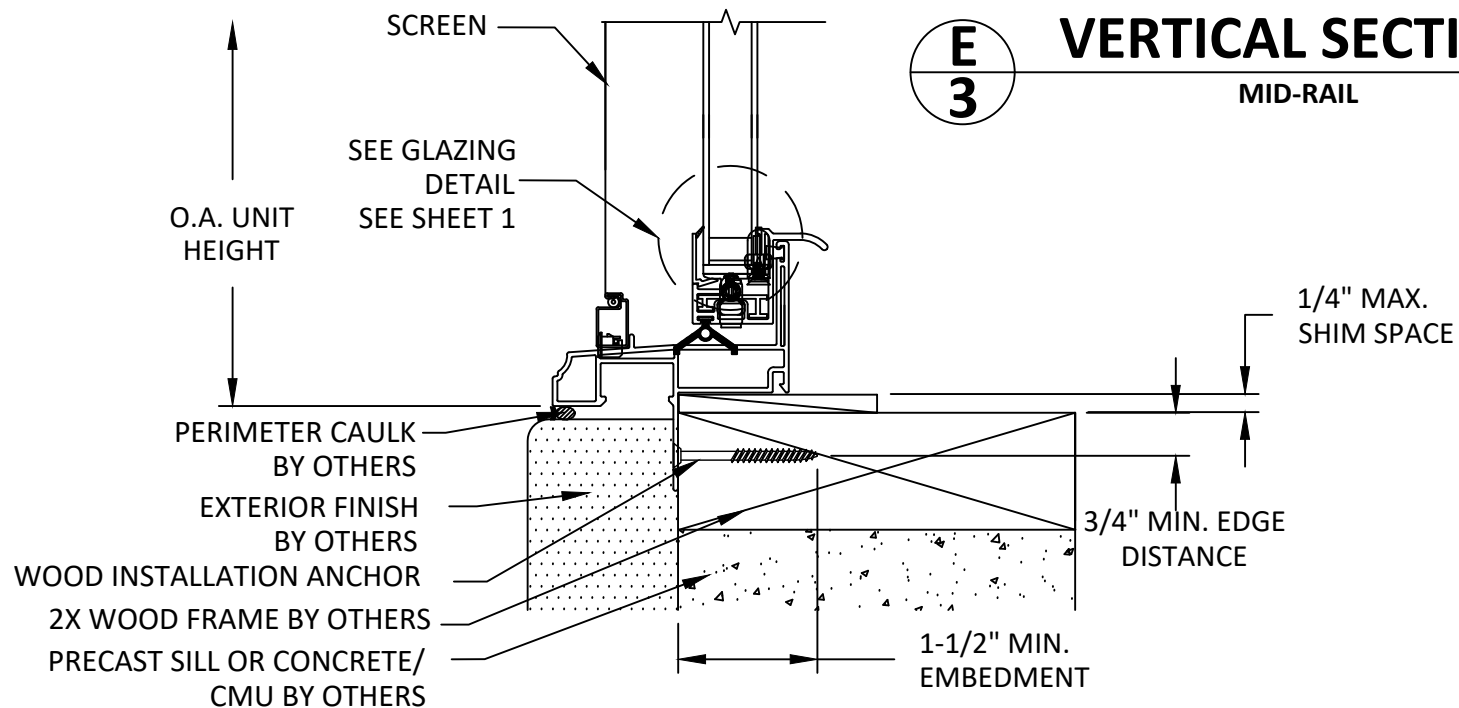
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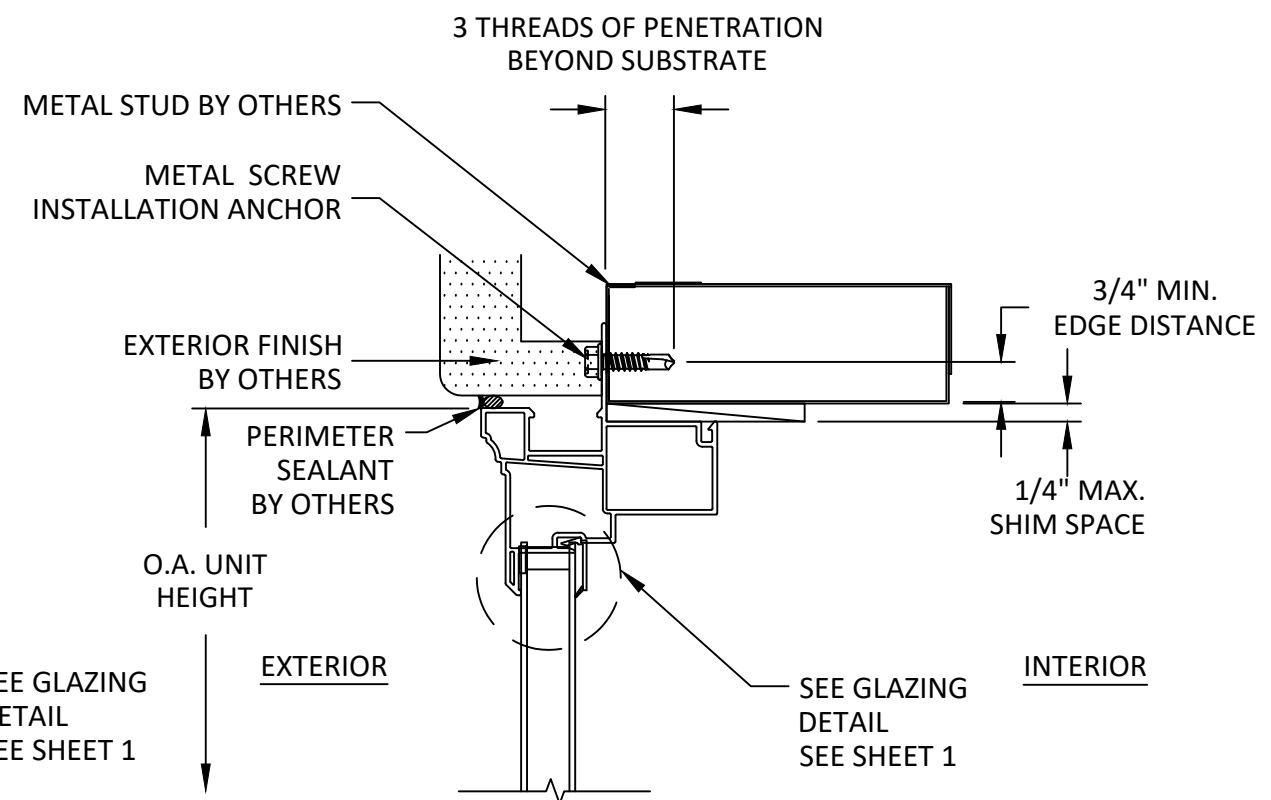
A
3 **VERTICAL SECTION**
HEAD - 2X WOOD FRAMING
NAIL FIN INSTALLATION



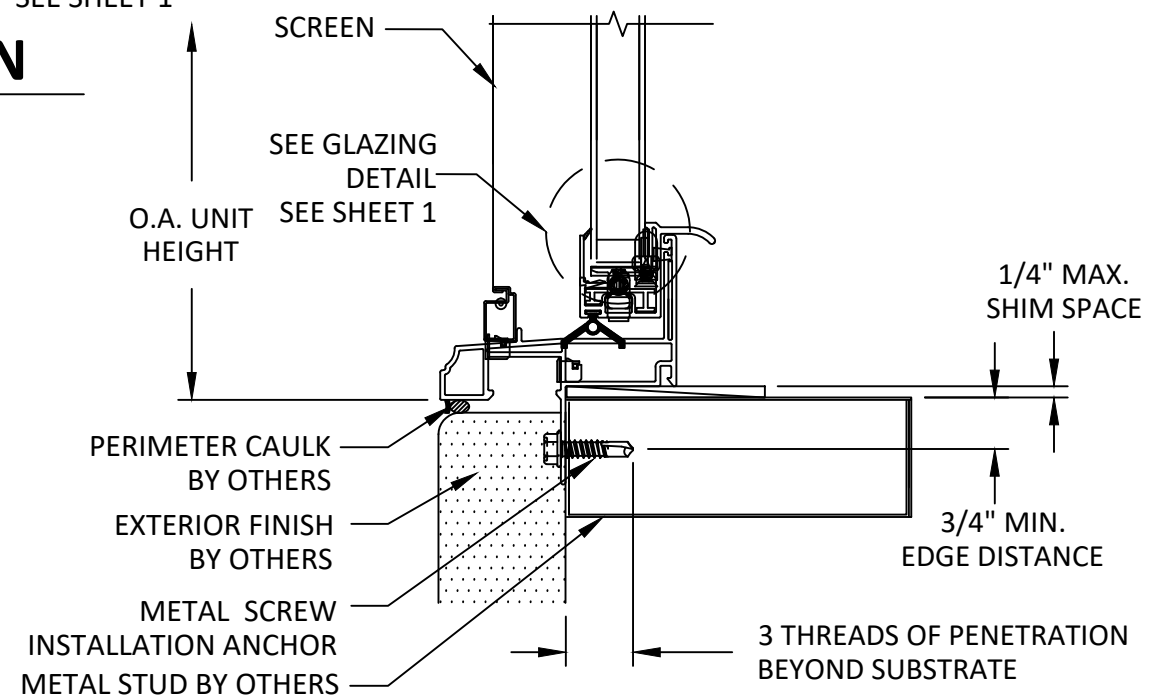
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3 **VERTICAL SECTION**
MID-RAIL



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



C
3 **VERTICAL SECTION**
HEAD - METAL STUD FRAME
NAIL FIN INSTALLATION



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

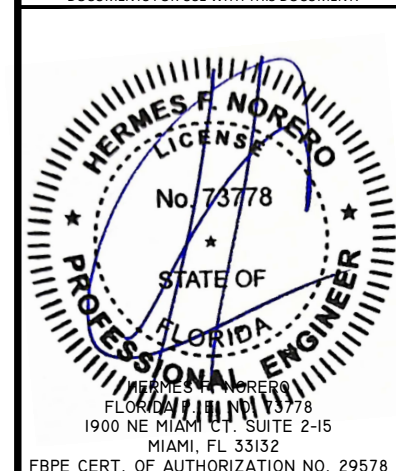
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HORIZONTAL SECTIONS
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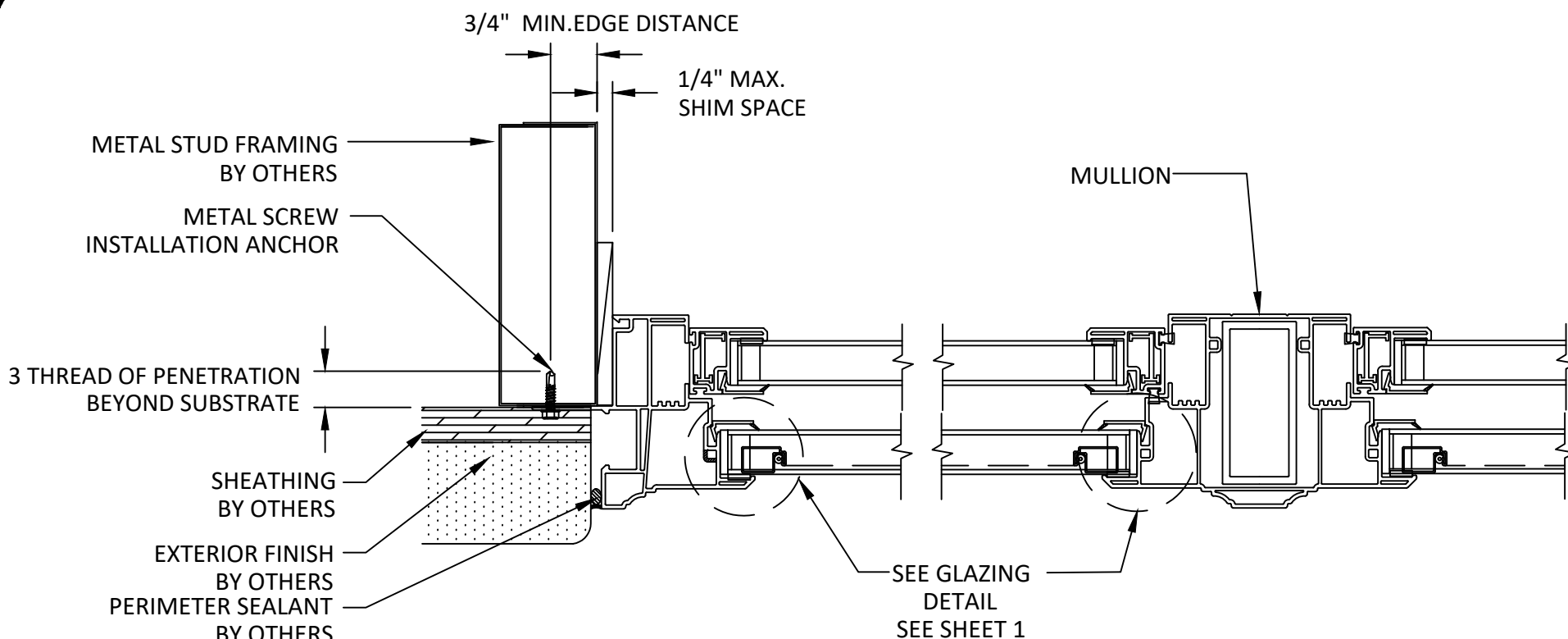


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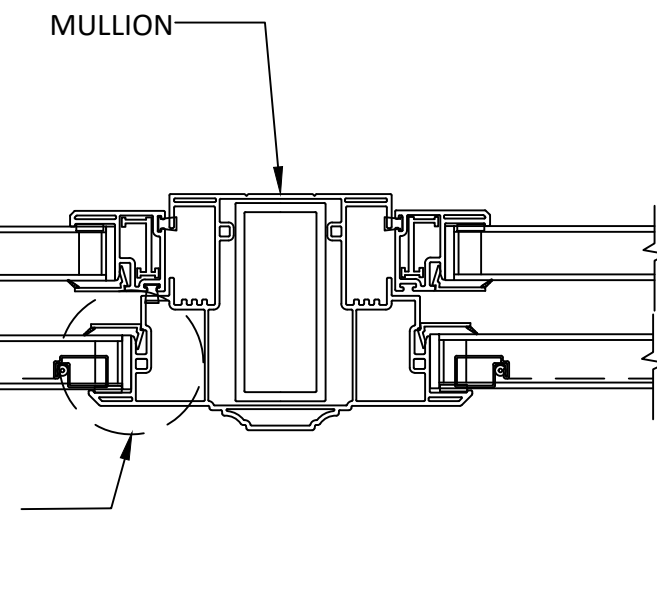
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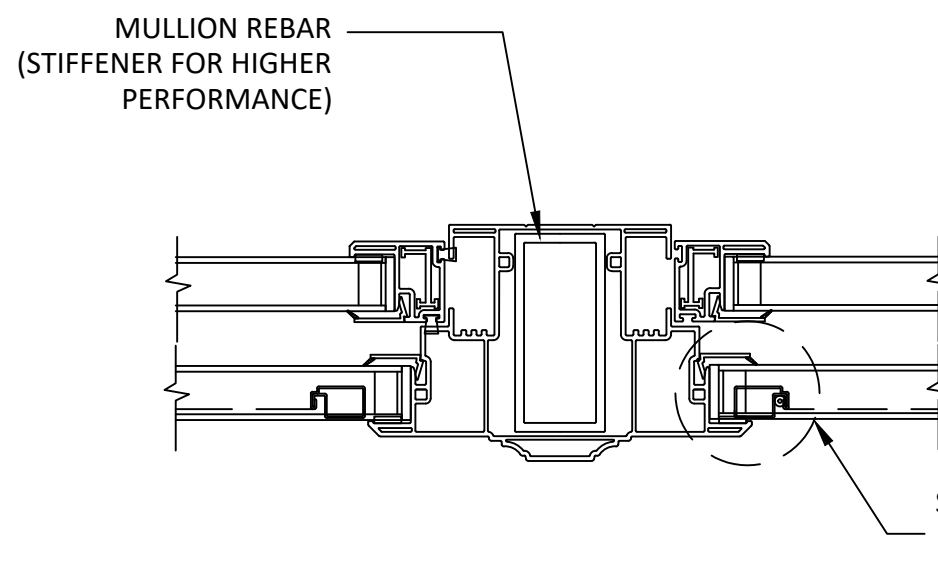
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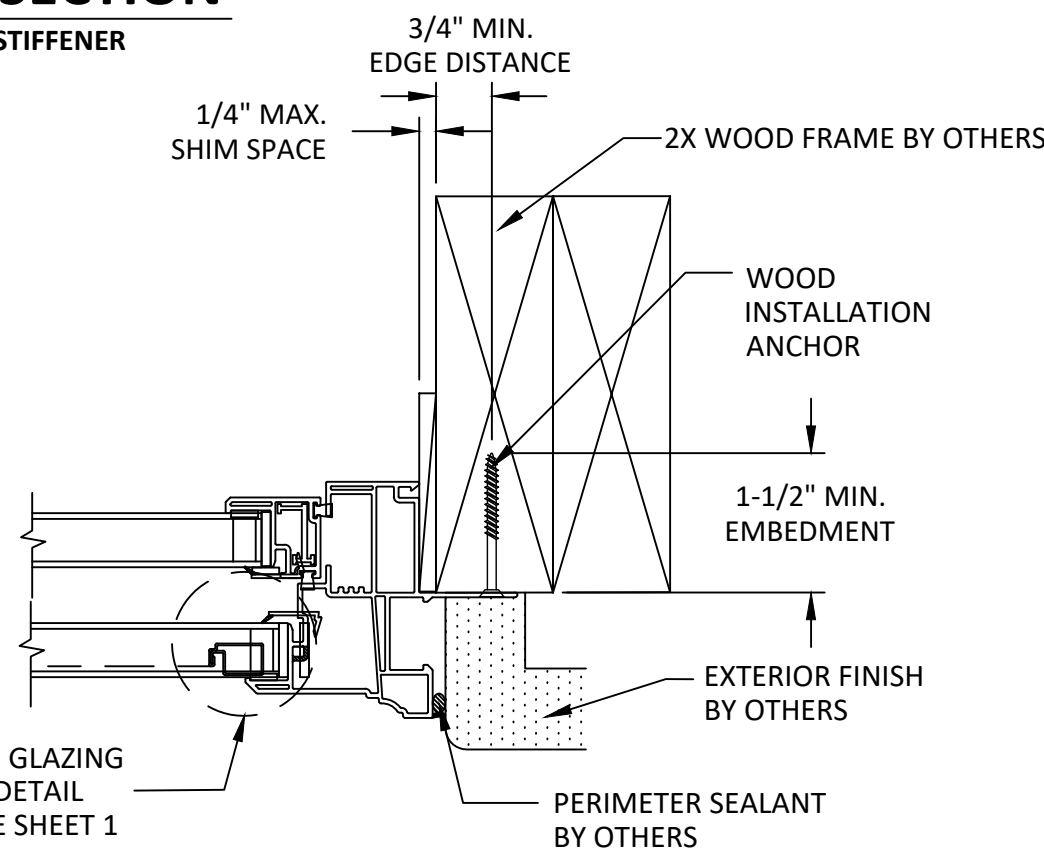
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4 **HORIZONTAL SECTION**
METAL STUD FRAME
NAIL FIN INSTALLATION



B
4 **HORIZONTAL SECTION**
MULLION WITHOUT STIFFENER



C
4 **HORIZONTAL SECTION**
MULLION WITH STIFFENER



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