

ATRIUM WINDOWS AND DOORS

SERIES 120/130

VINYL FIXED WINDOW

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 TO ACHIEVE A PLUMB AND LEVEL INSTALLATION WITH LOAD BEARING SHIM(S). LOCATE SHIMS ADJACENT TO ANCHORS WHEN USING THROUGH FRAME INSTALLATION. 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" MINIMUM EMBEDMENT INTO WOOD SUBSTRATE. SCREWS SHOULD BE INSTALLED WITH A MINIMUM OF 3/4" EDGE DISTANCE IN WOOD.
6. **THROUGH FRAME:** FOR INSTALLATION INTO METAL STUD OR APPROVED MULLION USE #10 SELF-DRILLING SCREWS THROUGH THE FRAME OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE. SCREWS SHOULD BE INSTALLED WITH A MINIMUM OF 3/4" EDGE DISTANCE IN METAL.
7. **THROUGH FRAME:** FOR INSTALLATION INTO CONCRETE/MASONRY USE 3/16" ITW TAPCON SCREWS THROUGH THE FRAME OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2" MINIMUM EMBEDMENT INTO WOOD SUBSTRATE. SCREWS SHOULD BE INSTALLED WITH A MINIMUM OF 2-1/2" EDGE DISTANCE IN CONCRETE/MASONRY.
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. SCREWS SHOULD BE INSTALLED WITH A MINIMUM OF 1/2" EDGE DISTANCE IN WOOD.
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. SCREWS SHOULD BE INSTALLED WITH A MINIMUM OF 1/2" EDGE DISTANCE IN METAL.
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. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
11. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42.

B. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 18 GA. WALL THICKNESS.

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

D. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI

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

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/A440-11/17
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. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 4 FOR GLAZING DETAILS

MAX O.A. SIZE		DESIGN PRESSURE		INSTALLATION METHOD	GLAZING DETAIL	MISSILE IMPACT RATING
WIDTH	HEIGHT	POSITIVE	NEGATIVE			
72"	72"	50 PSF	50 PSF	FINLESS	G2	NON-IMPACT
72"	72"	50 PSF	50 PSF	FIN		
48"	84"	50 PSF	50 PSF	FINLESS	G1	
48"	84"	50 PSF	50 PSF	FIN		
96"	60"	50 PSF	50 PSF	FIN	G2	

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3	VERTICAL SECTIONS
4	HORIZONTAL SECTIONS AND GLAZING DETAIL



Part of the Cornerstone Building Brands Family

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TITLE:

SERIES 120/130
VINYL FIXED WINDOW

INSTALLATION & GENERAL NOTES

PREPARED BY:

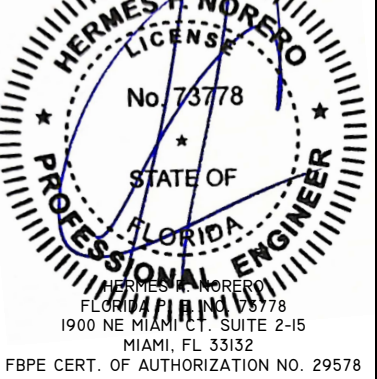


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REMARKS	BY	DATE
7TH FBC UPDATE	LH	10/20
Current FBC & EC24-100	LH	03/25

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.03.20 16:35:41 -0400



HERMES F. NORERO
FLORIDA PROFESSIONAL ENGINEER
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION NO. 29578

FL #:

FL 20471

DATE: 02.24.2020

DWG. BY:
SM

CHK. BY:
HFN

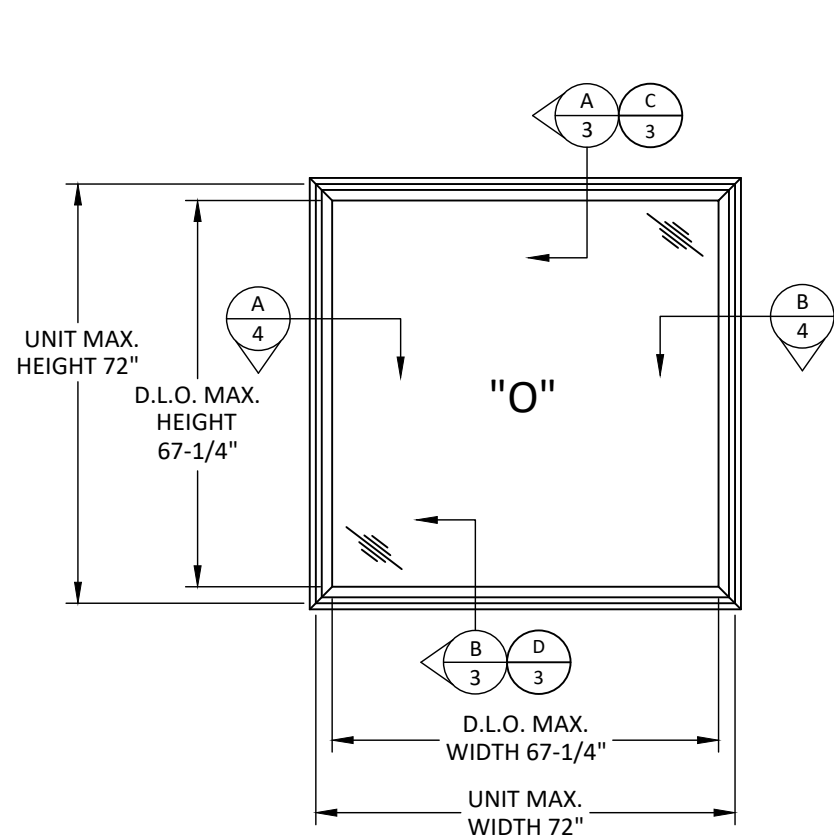
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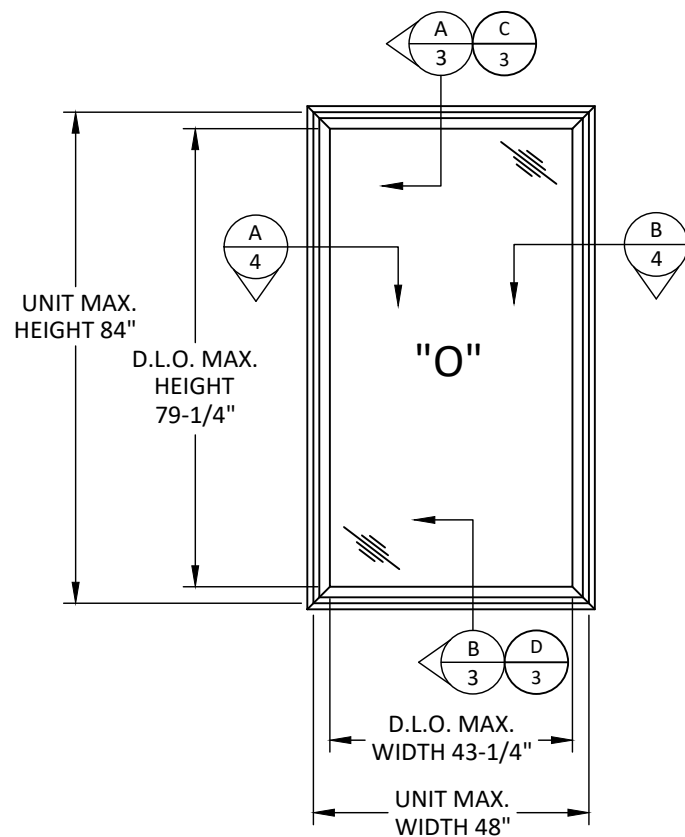
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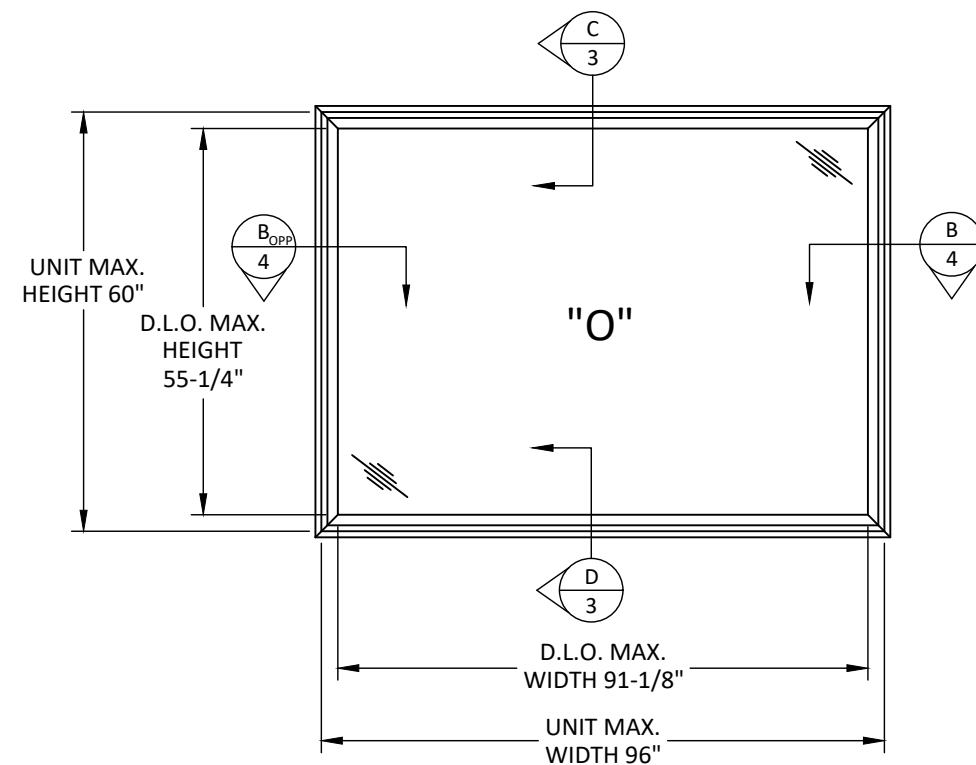
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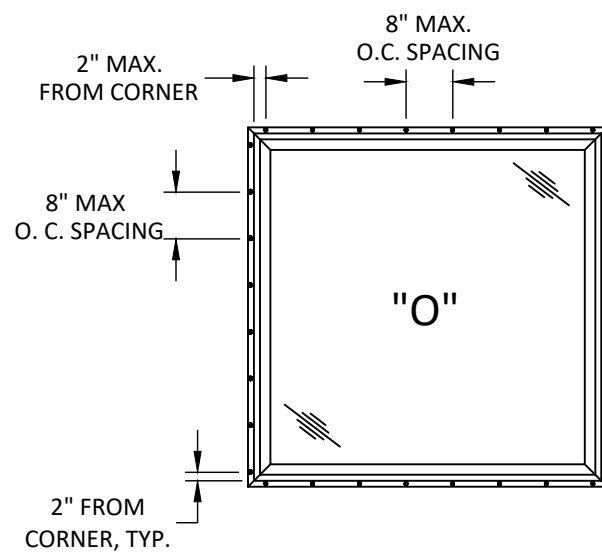
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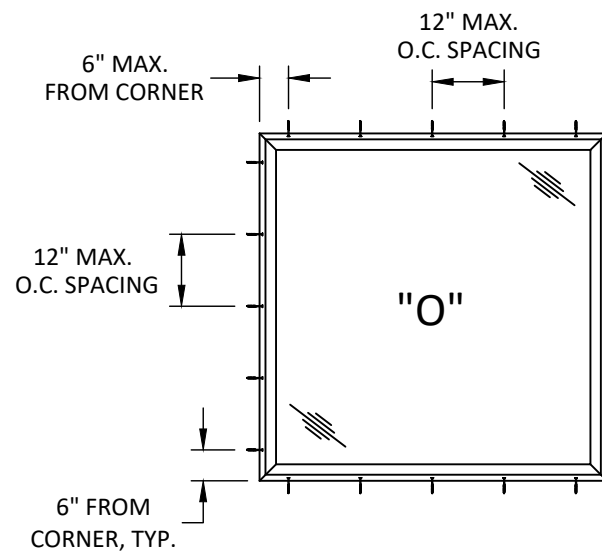
TYPICAL ELEVATION



TYPICAL ELEVATION



**TYPICAL ANCHOR LAYOUT
NAIL FIN**



**TYPICAL ANCHOR LAYOUT
THROUGH FRAME**

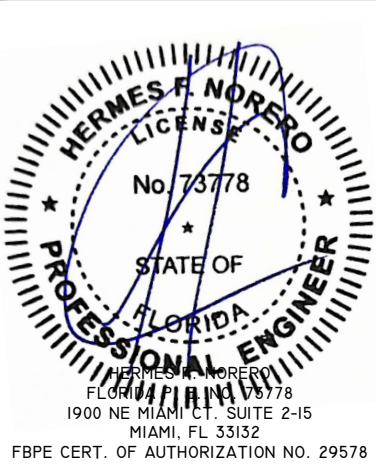
TITLE: SERIES 120/130
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ELEVATIONS & ANCHOR LAYOUT

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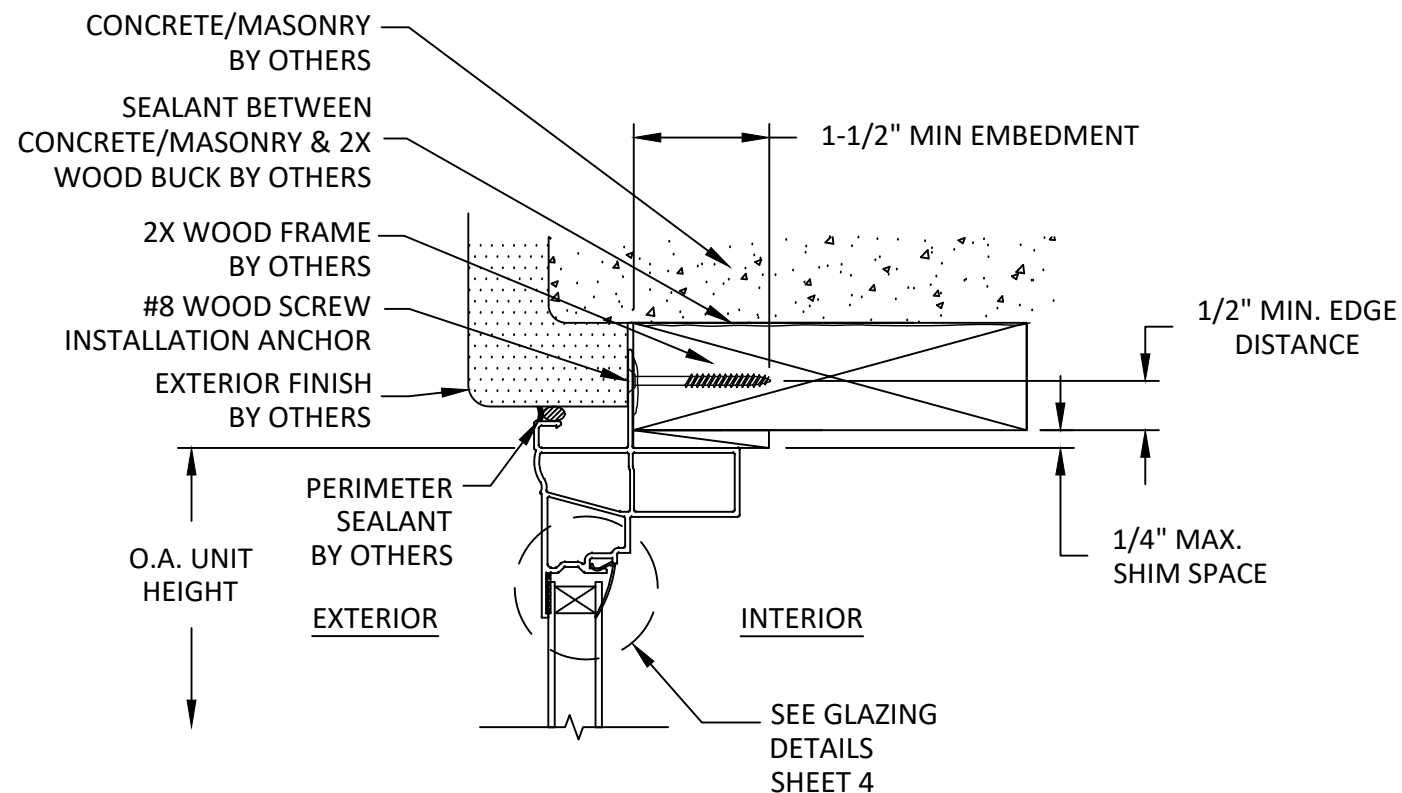
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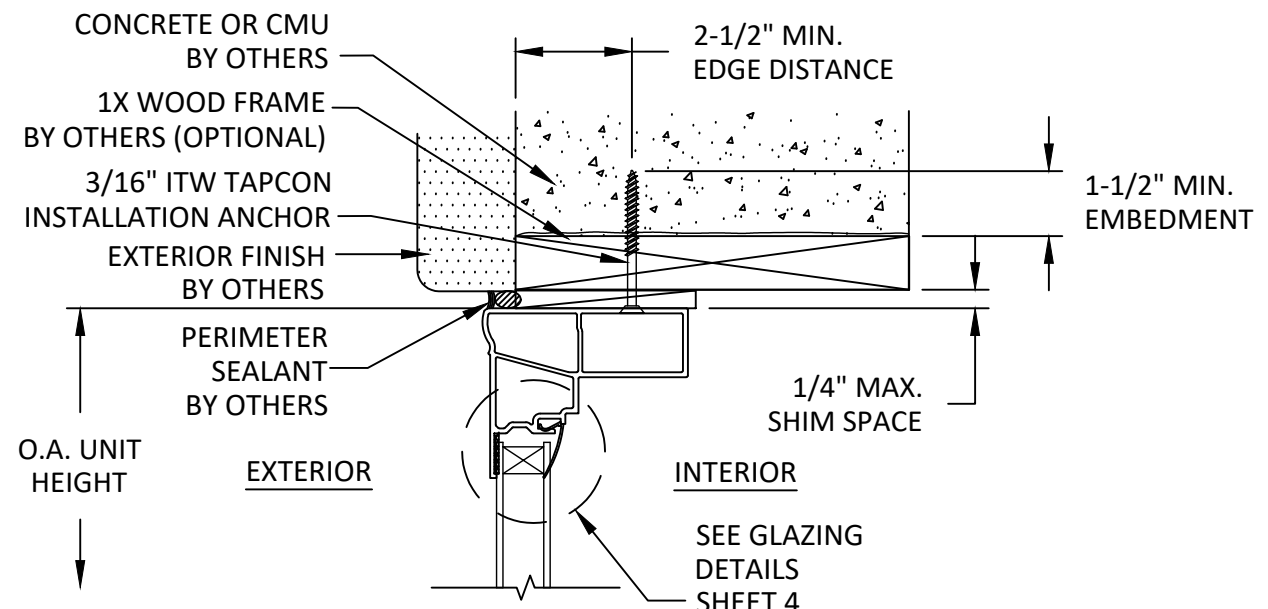
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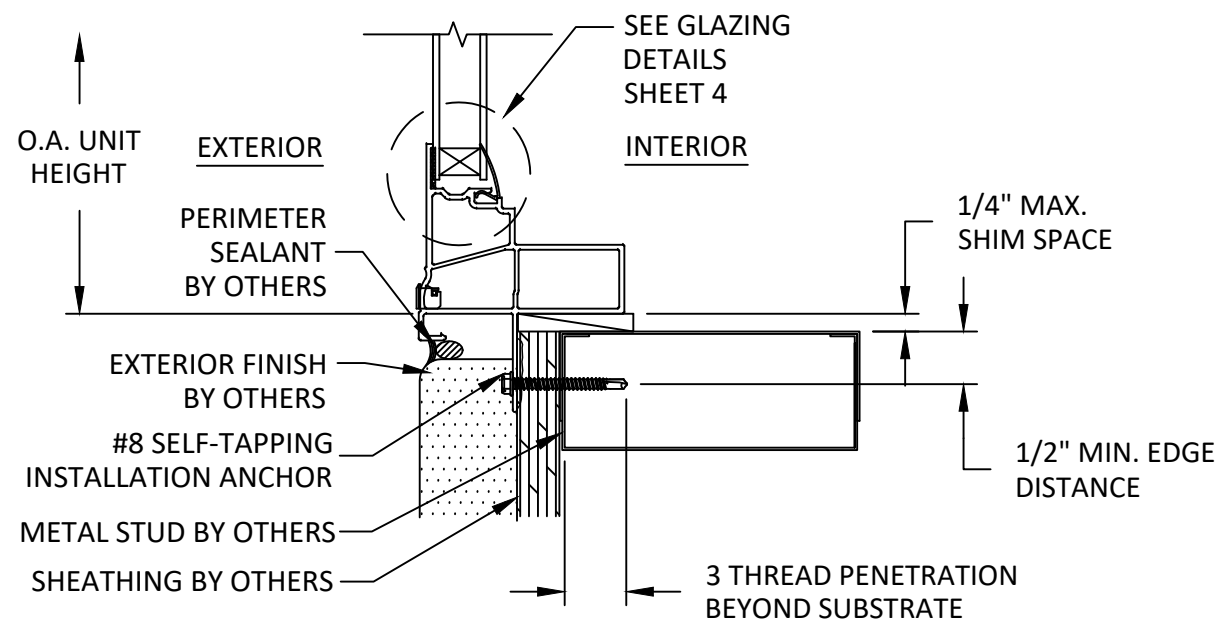
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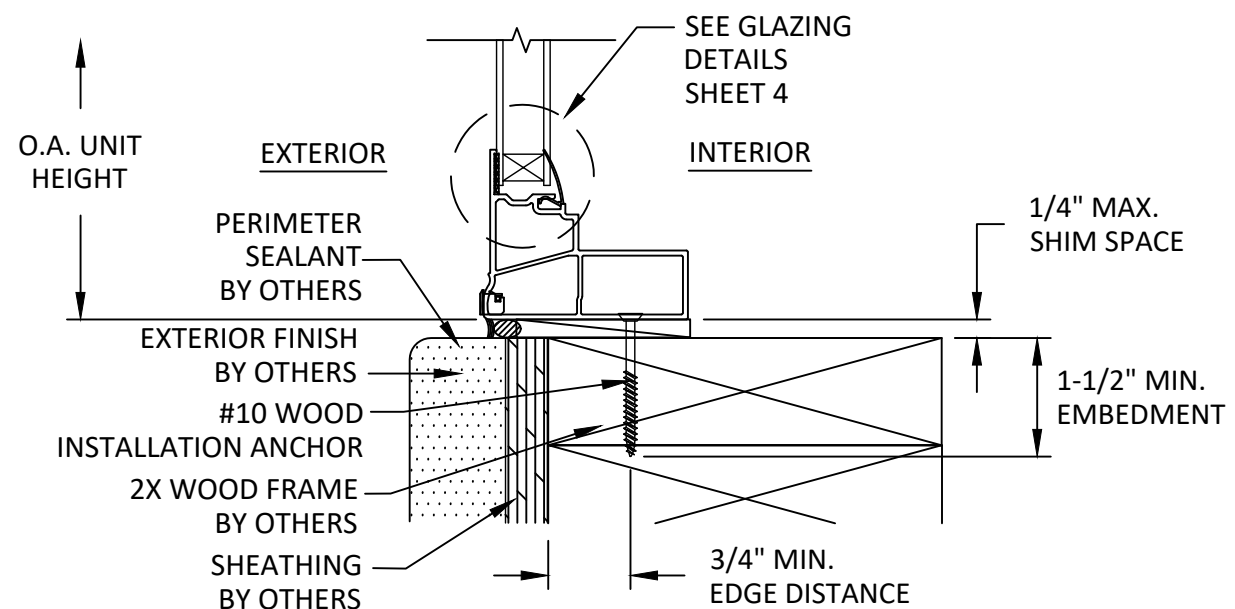
A
3 **VERTICAL SECTION**
HEAD - 2X WOOD FRAME
NAIL FIN INSTALLATION



C
3 **VERTICAL SECTION**
HEAD - 1X BUCK WITH CONCRETE/MASONRY
THROUGH FRAME INSTALLATION



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



D
3 **VERTICAL SECTION**
SILL - 2X WOOD FRAME
THROUGH FRAME INSTALLATION

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VERTICAL SECTIONS

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DWG. BY:	SM
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ATR133
SECTION:	3

TITLE: **SERIES 120/130
VINYL FIXED WINDOW**
HORIZONTAL SECTIONS
AND GLAZING DETAILS

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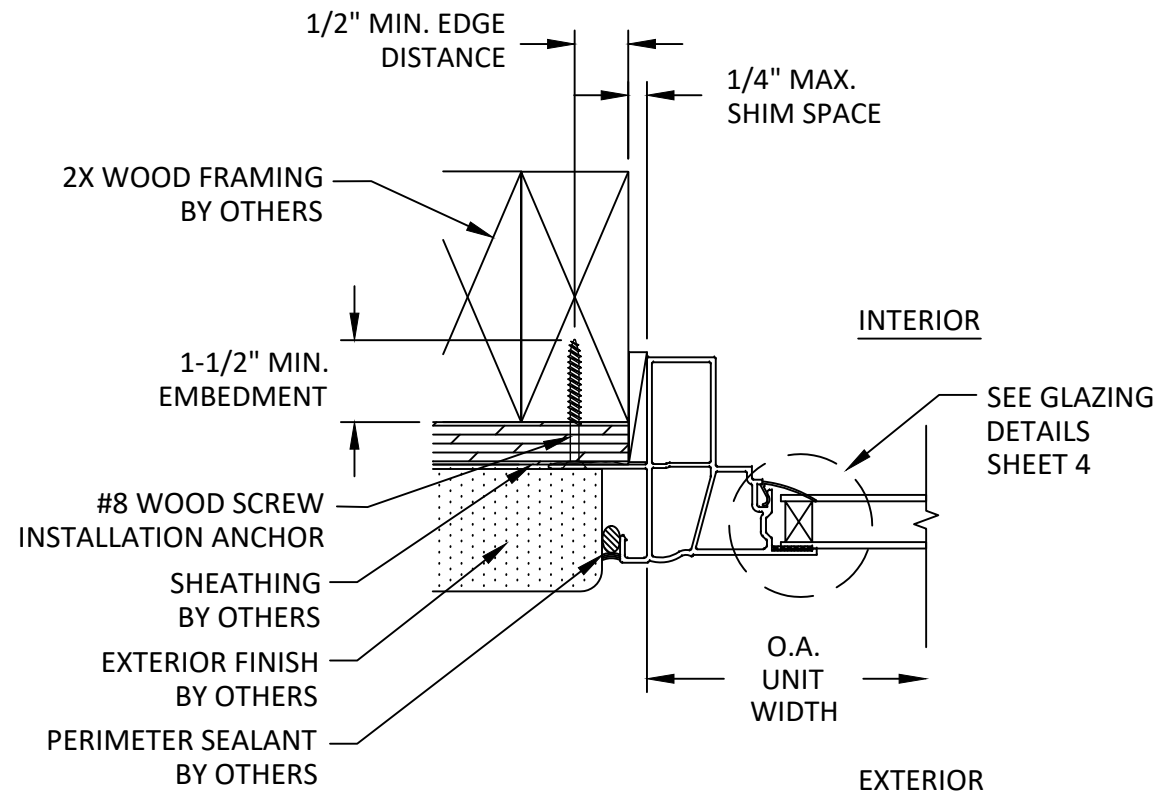
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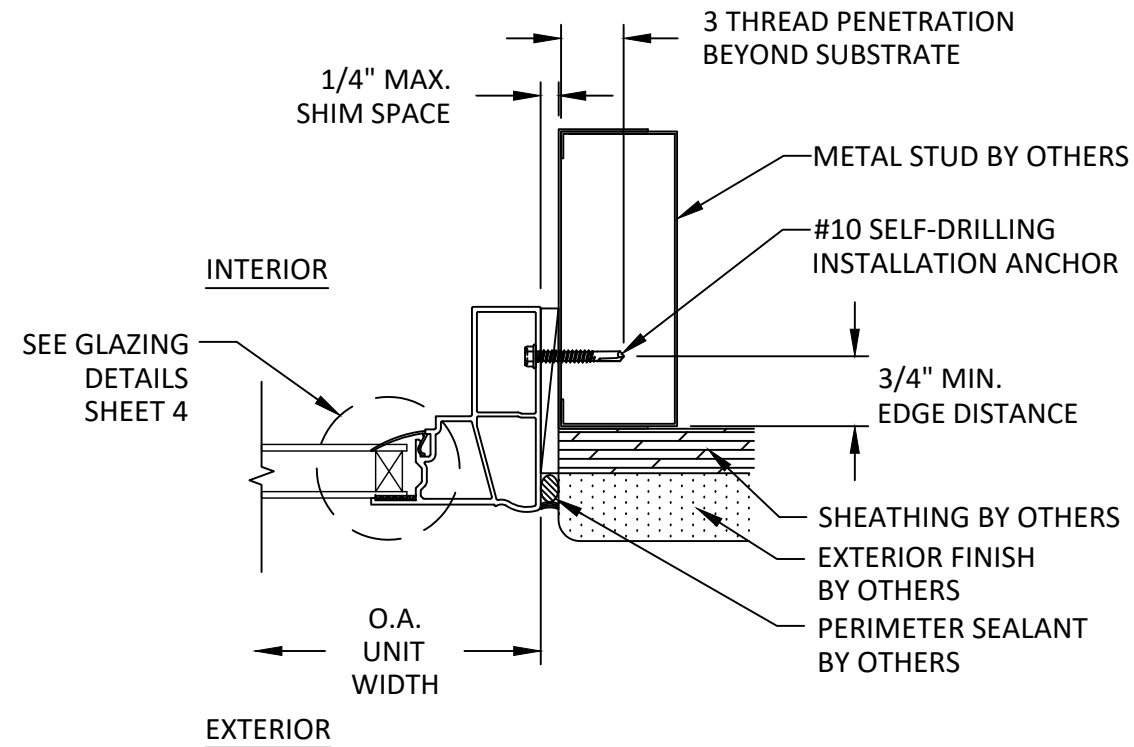
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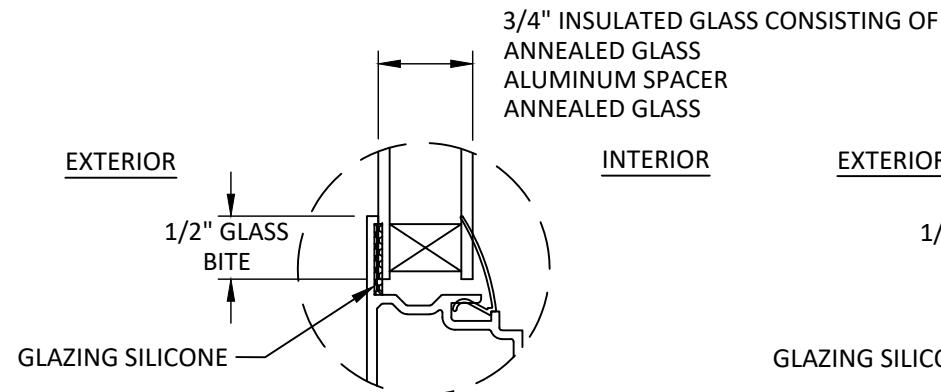
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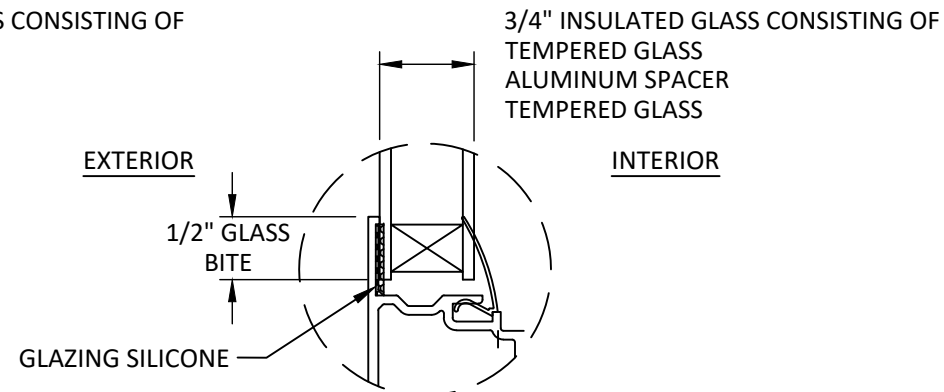
A
4 **HORIZONTAL SECTION**
JAMB - 2X WOOD FRAME
NAIL FIN INSTALLATION



B
4 **HORIZONTAL SECTION**
JAMB - METAL STUD FRAME
THROUGH FRAME INSTALLATION



GLAZING DETAIL 1
(G1)



GLAZING DETAIL 2
(G2)

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