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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 BASED ON QUANTITIES IN DP CHARTS NOT TO EXCEED THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (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 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 1/4 INCH DIAMETER ITW TAPCONS, ELCO ULTRACONS, ELCO CRETE-FLEX OR HILTI KWIK-CON II 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 OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
8. **CLIP ANCHOR:** FOR INSTALLATION INTO WOOD FRAMING USE (2) #8 WOOD SCREWS PER CLIP OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2" MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
9. **CLIP ANCHOR:** FOR INSTALLATION INTO METAL STUD USE (2) #8 GR. 5 SELF-TAPPING SCREWS PER CLIP OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND THE METAL STRUCTURE.
10. **NAIL FIN:** FOR INSTALLATION INTO WOOD FRAMING USE (1) #8 WOOD SCREWS OR (1) 10D COMMON NAIL OR (1) 11 GAUGE ROOFING NAIL PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
11. **NAIL FIN:** FOR INSTALLATION INTO METAL STUD OR APPROVED MULLION USE #8 GR. 5 SELF TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
12. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
13. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
14. 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.
15. 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.

WINDSOR WINDOWS & DOORS

PINNACLE CLAD CONCEALED DOUBLE HUNG

(NON-HVHZ) (NON-IMPACT)

CONTINUED INSTALLATION NOTES:

16. 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 1/8" (0.125").

GENERAL NOTES:

1. 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/A440-11/17

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: WOOD
WINDOW CLADDING MATERIAL: ALUMINUM 6063-T5
7. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 8 FOR GLAZING DETAILS.

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7	NAIL FIN INSTALLATIONS 2, MEETING RAIL & VERTICAL TRANSOM MULLION
8	CLIP INSTALLATIONS 2, TRANSOM HORIZONTAL MULL, DH MULL & GLAZING DETAIL

DESIGN PRESSURE TABLE					
TYP. OVERALL SIZE		DESIGN PRESSURE	CONFIGURATION	INSTALLATION METHOD	MISSILE IMPACT RATING
WIDTH	HEIGHT				
37 3/8	72 3/4	+/- 50 PSF	X/X	THROUGH FRAME, NAIL FIN & CLIP	NON - IMPACT
37 3/8	72 3/4	+/- 35 PSF	X/X		
45 3/8	60 3/4	+/- 35 PSF	X/X		
45 3/8	80 3/4	+/- 30 PSF	X/X		
41 3/8	64 3/4	+/- 50 PSF	X/X		
29 3/8	80 3/4	+/- 35 PSF	X/X		
47 3/8	96 3/4	+/- 35 PSF	X/X		
37 3/8	76 3/4	+/- 50 PSF	X/X		
37 3/8	96 3/8	+/- 50 PSF	X/X		
75 3/4	100 3/4	+/- 50 PSF	O/X/X - O/X/X		
112 1/8	96 3/4	+/- 35 PSF	O/X/X - O/X/X - O/X/X		
31 3/8	96 3/4	+/- 35 PSF	X/X		
41 3/8	88 3/4	+50/-65 PSF	X/X		



WINDSOR WINDOWS & DOORS

900 S. 19TH STREET.
WEST DES MOINES, IA 50265
PH: (515)223-6660 FAX: (515)224-1938

TITLE: PINNACLE CLAD CONCEALED DOUBLE HUNG WINDOW (NON-HVHZ)(NON-IMPACT)

INSTALLATION AND GENERAL NOTES

PREPARED BY:

BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338

DANIA BEACH, FL 33004

PH: (954)399-8478

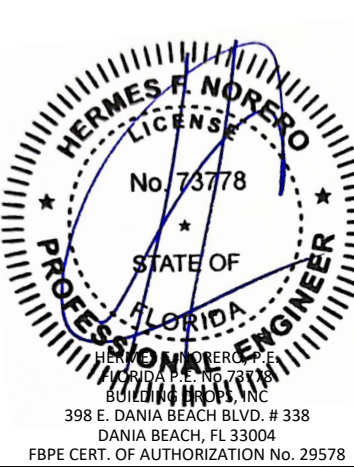
FAX: (954)744-4738

WEB: www.buildingdrops.com



REMARKS	BY	DATE
CODE CHANGE 2020	YC	06/20
CODE CHANGE 2023	MG	03/23

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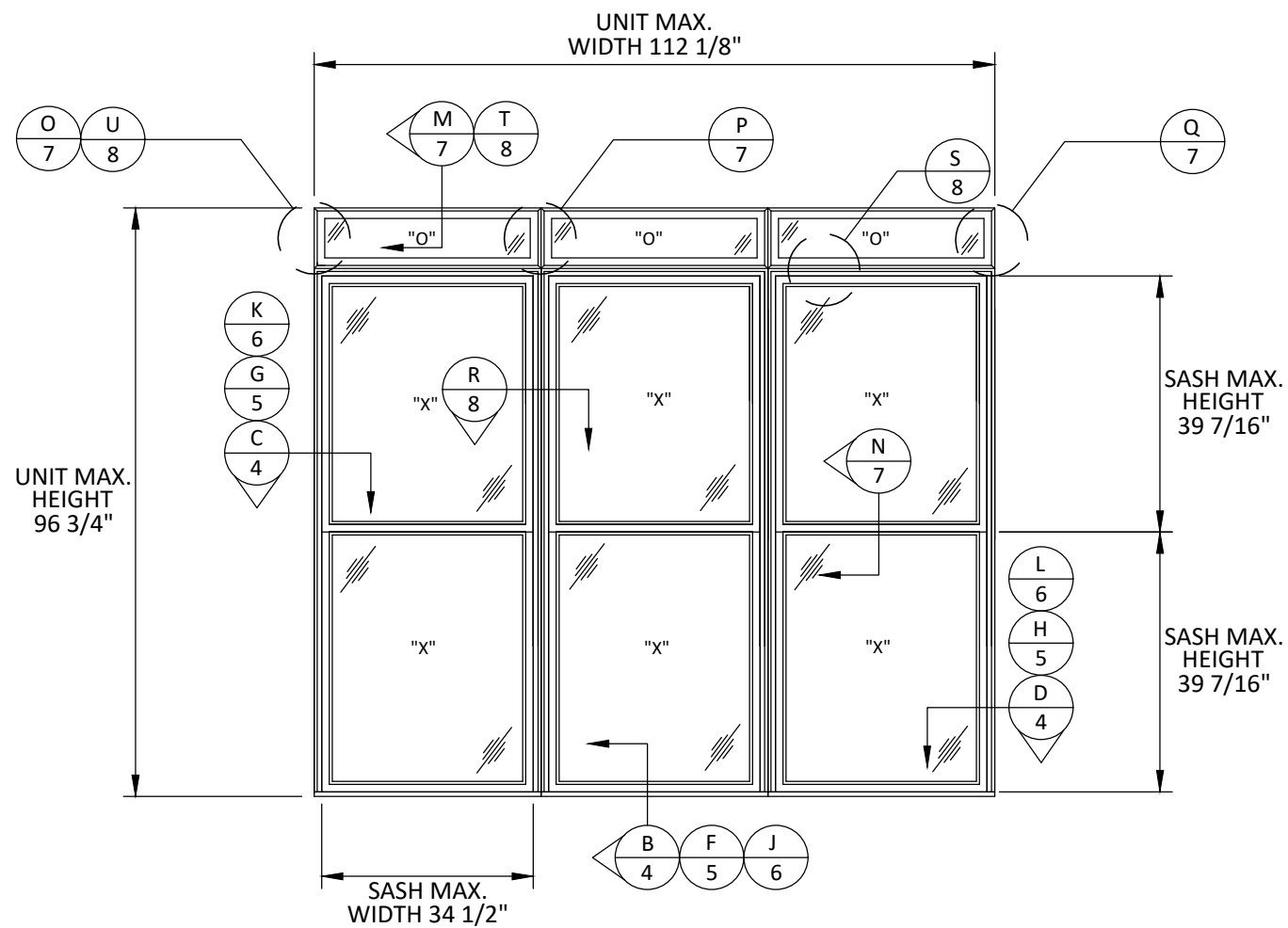
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SCALE: NTS

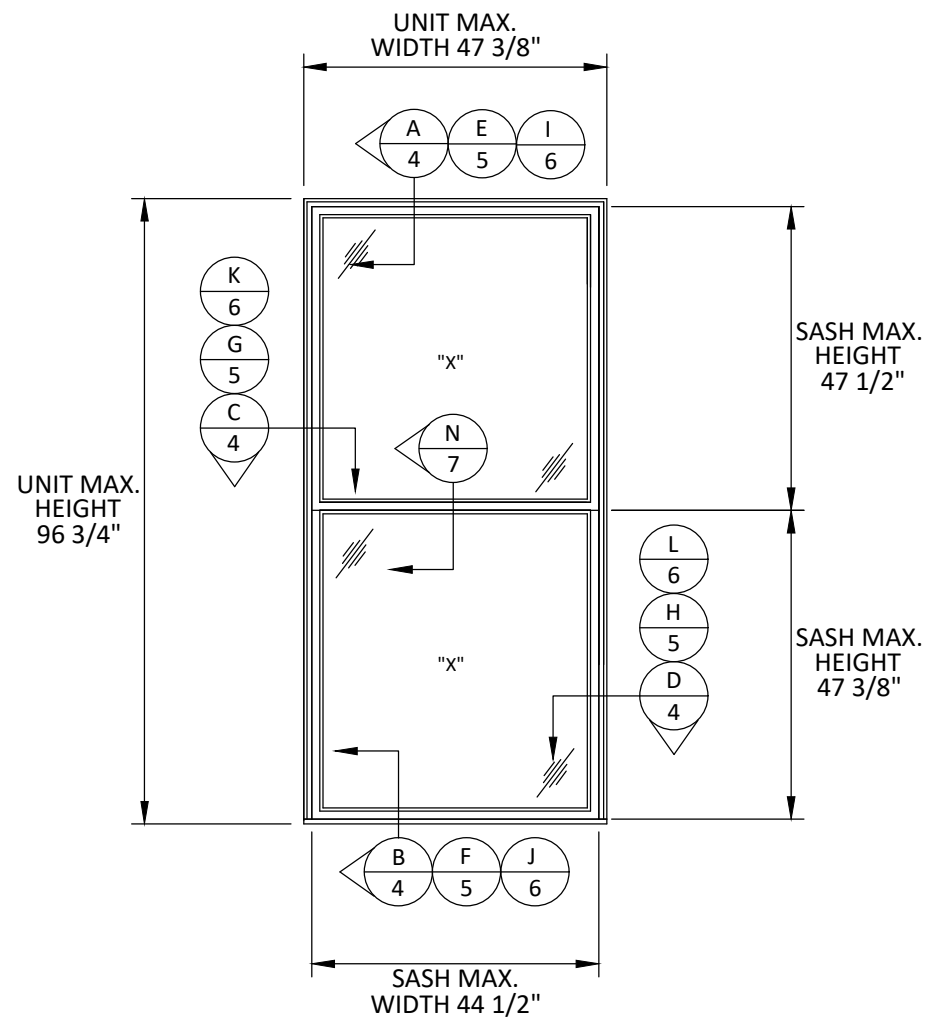
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SHEET: 1 OF 8

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TYPICAL ELEVATION
DOUBLE HUNG TRANSOM OVER DOUBLE HUNG



TYPICAL ELEVATION
DOUBLE HUNG



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ELEVATIONS

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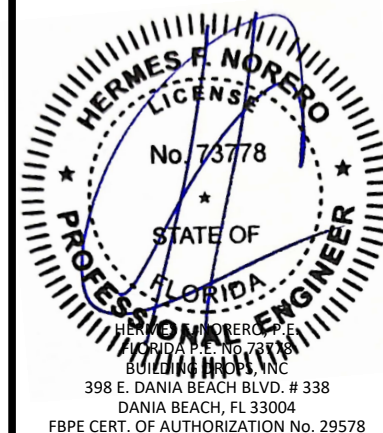
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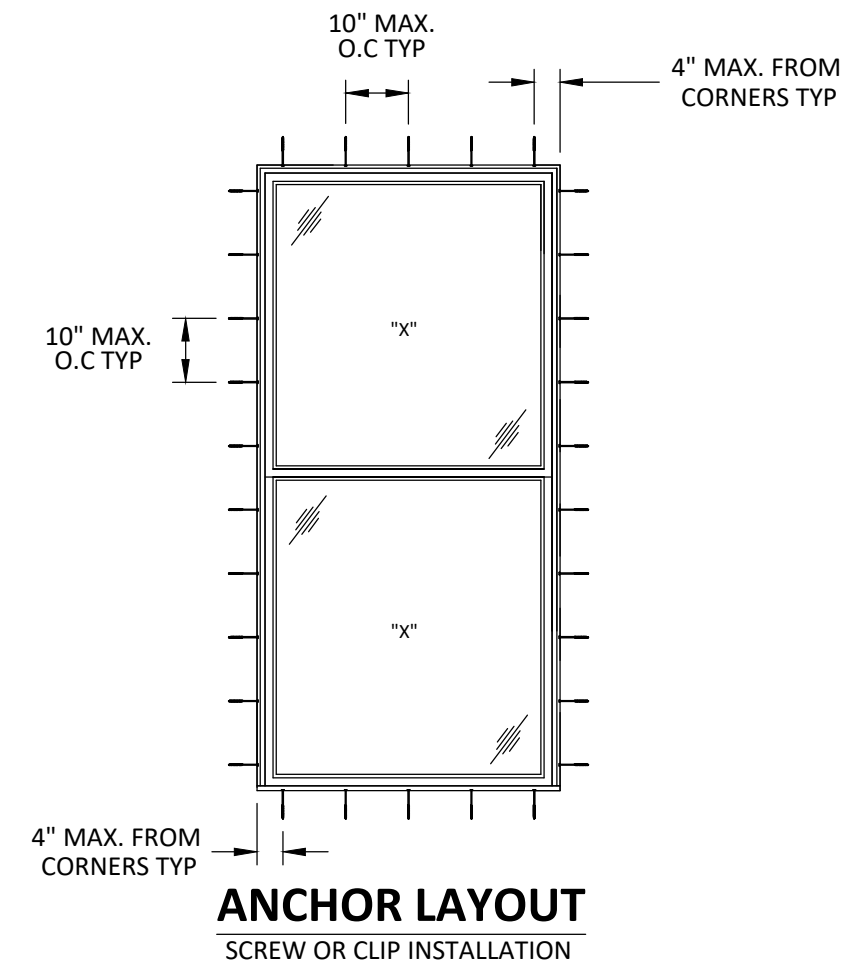
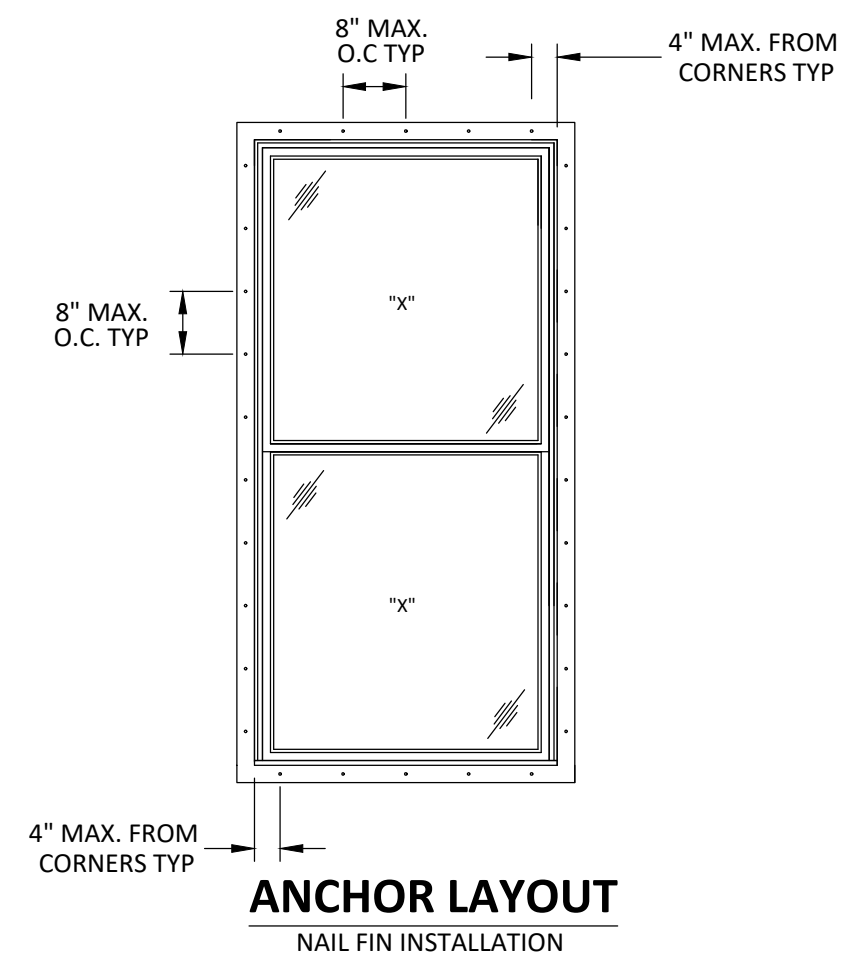
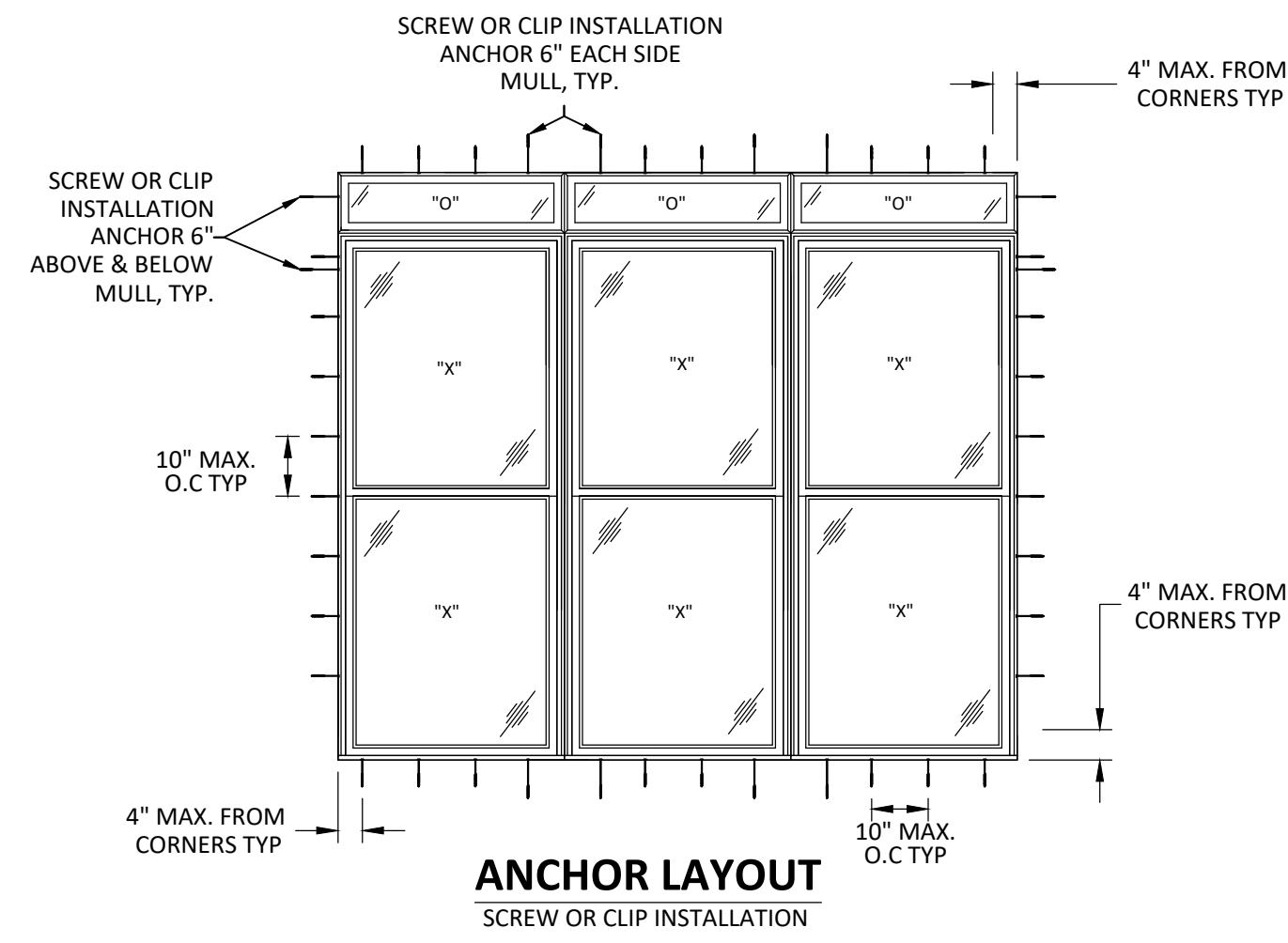
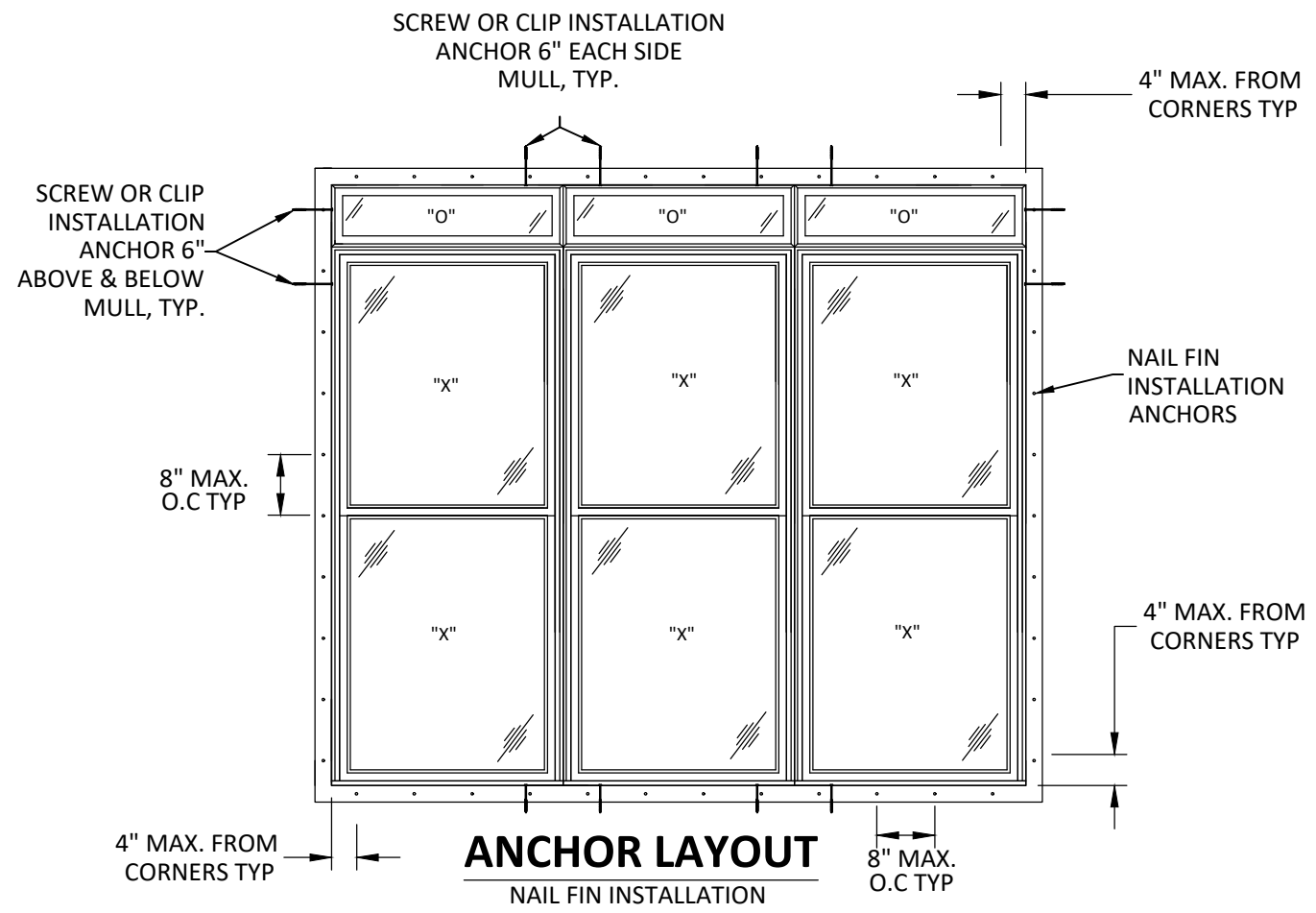
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A Woodgrain Millwork Company

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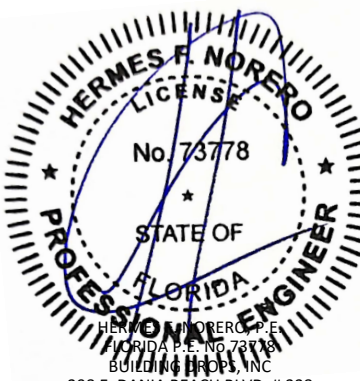
ANCHOR LAYOUTS

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DANIA BEACH, FL 33004
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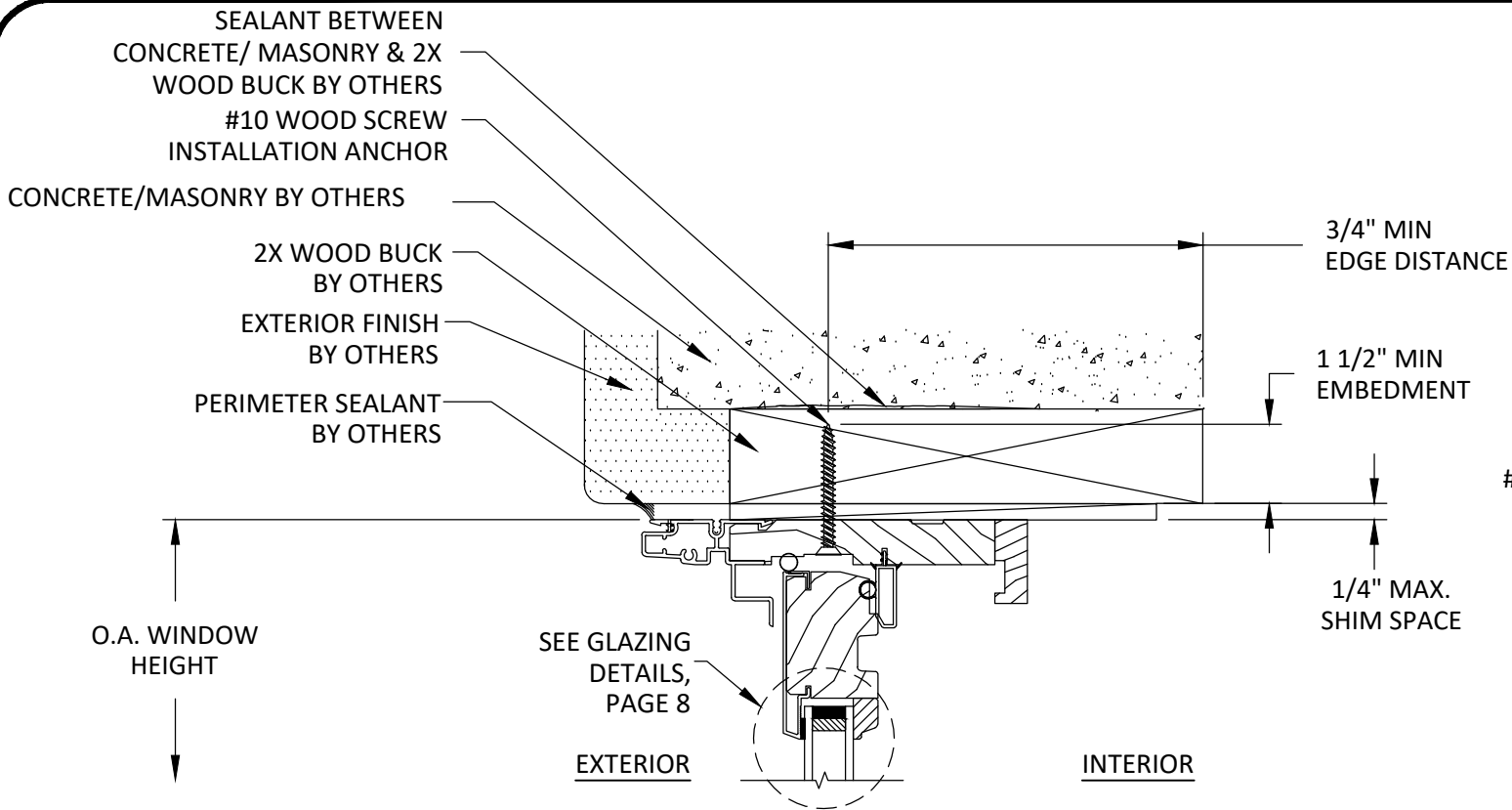


HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
FLORIDA P.E. NO. 73778
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

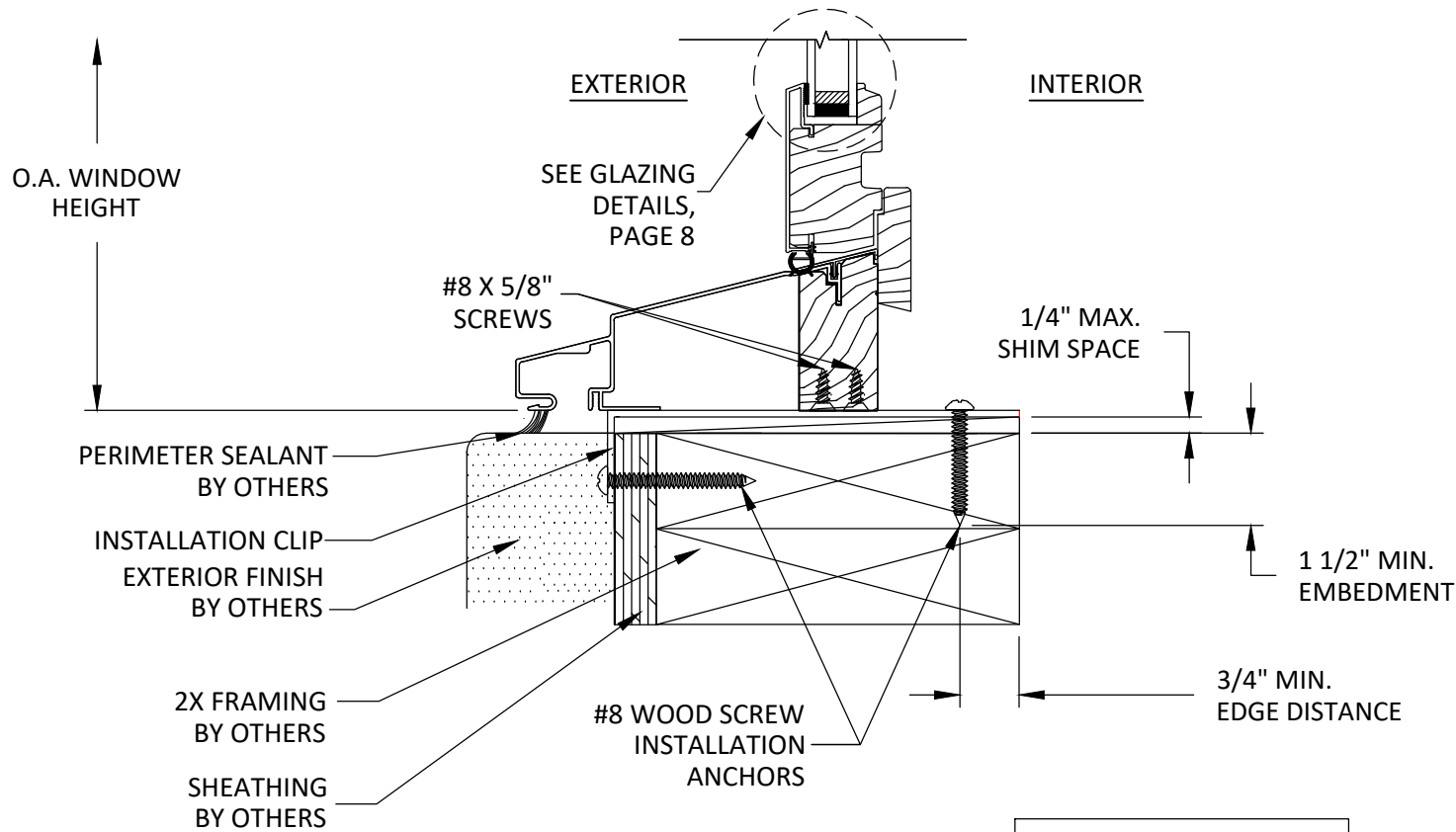
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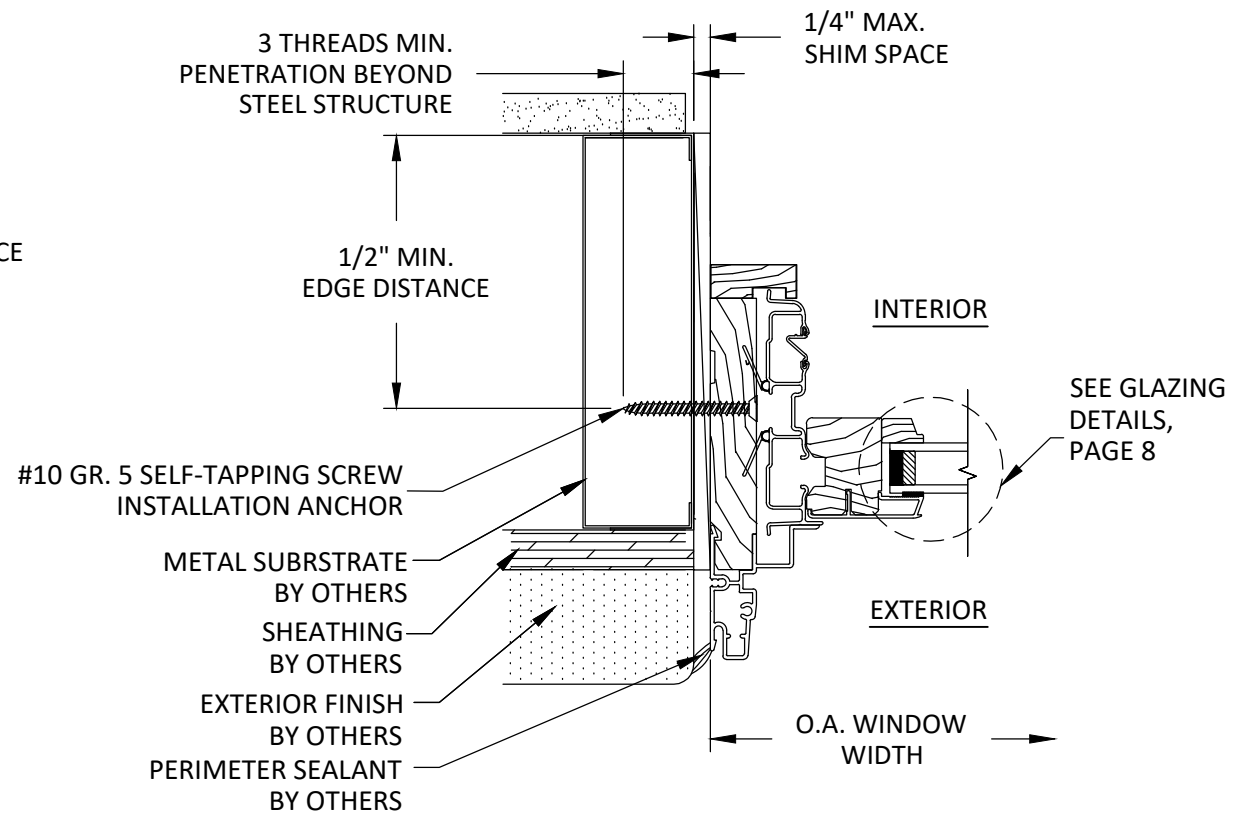


A
4 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
THROUGH FRAME INSTALLATION

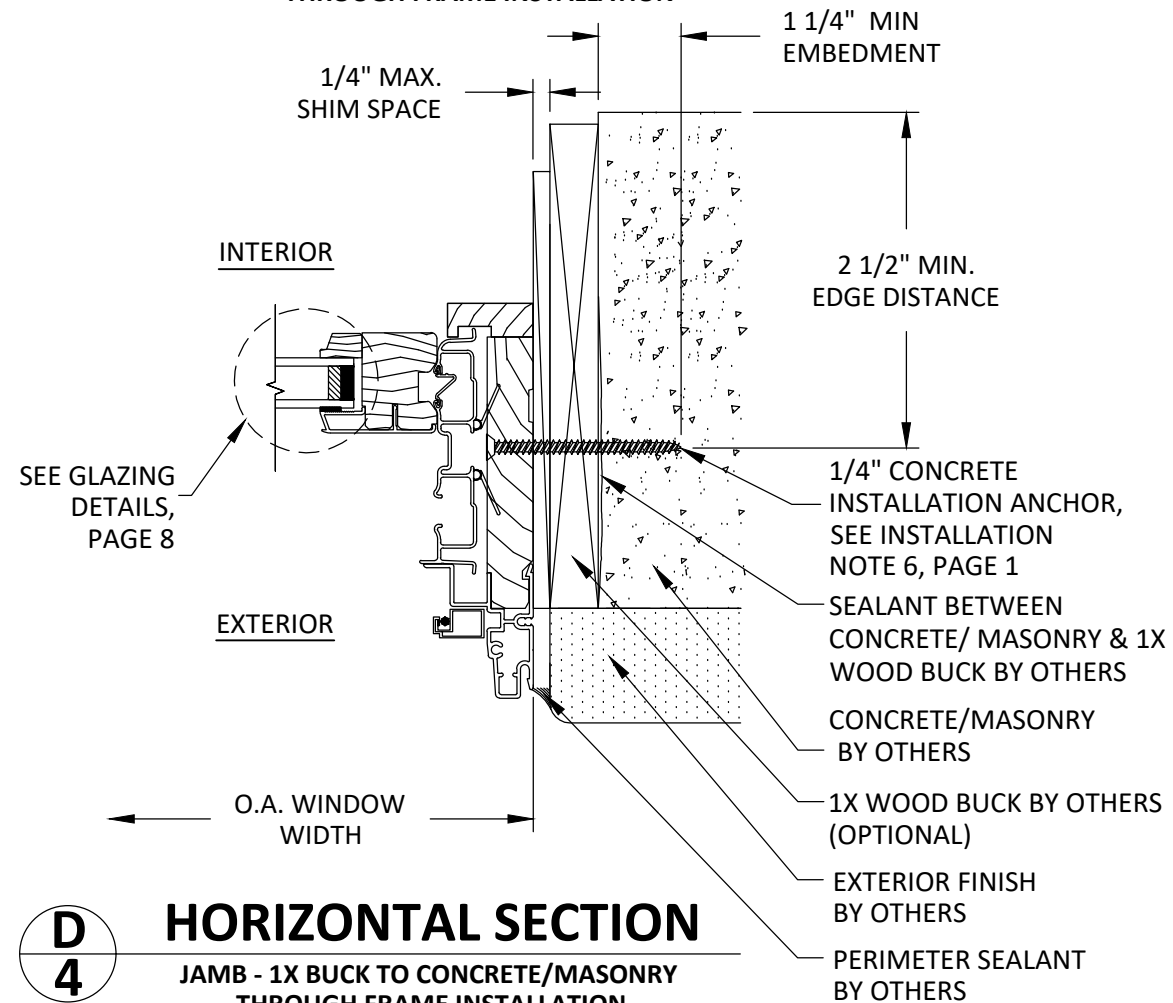


B
4 **VERTICAL SECTION**
SILL - 2X FRAMING
CLIP FRAME INSTALLATION

NOTE:
INSTALLATION AT SILL SHALL USE
CLIPS. THROUGH FRAME
INSTALLATION NOT PERMITTED.



C
4 **HORIZONTAL SECTION**
JAMB - STEEL STUD FRAME
THROUGH FRAME INSTALLATION



D
4 **HORIZONTAL SECTION**
JAMB - 1X BUCK TO CONCRETE/MASONRY
THROUGH FRAME INSTALLATION



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THROUGH FRAME
INSTALLATION SECTIONS

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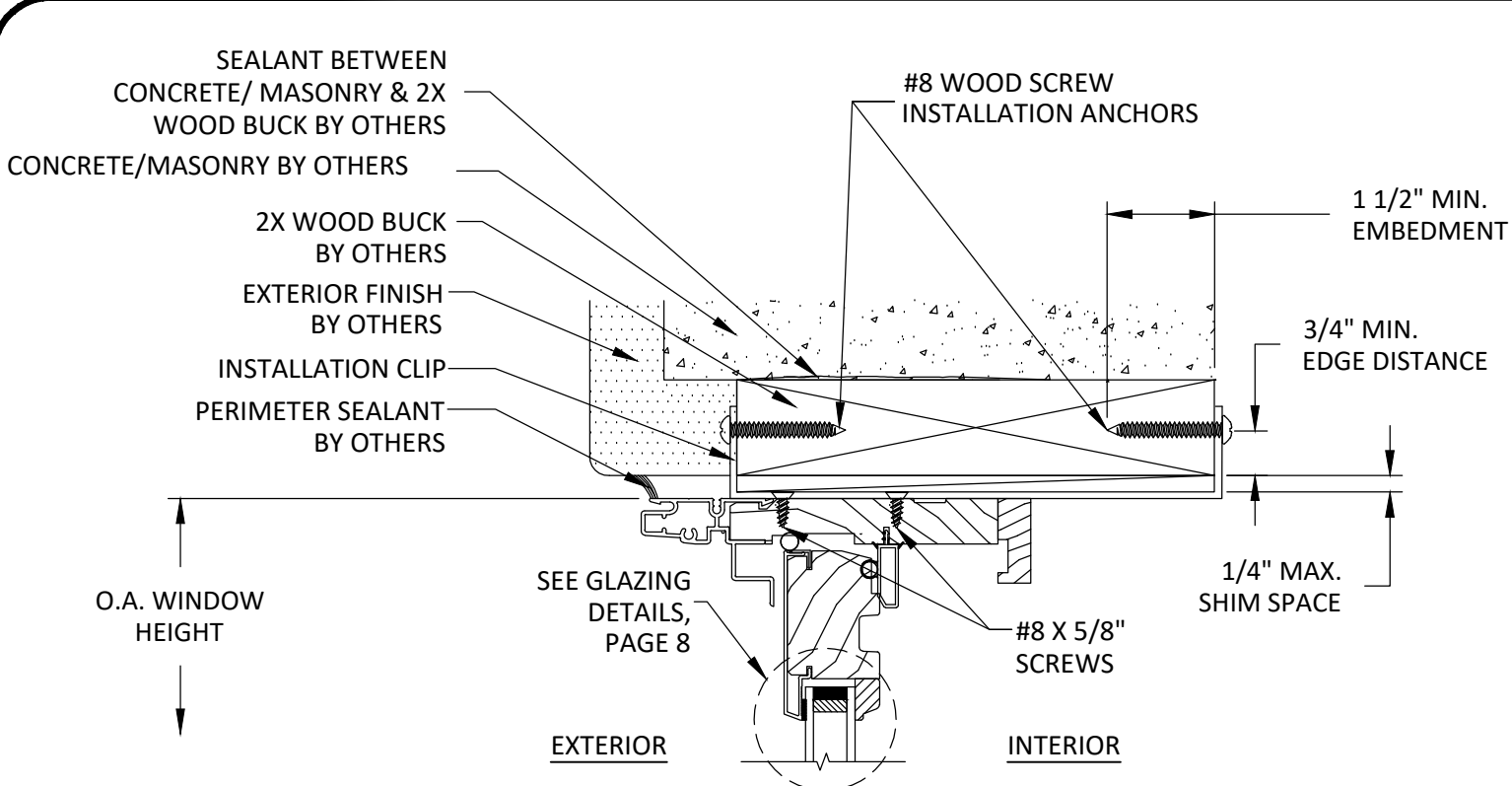
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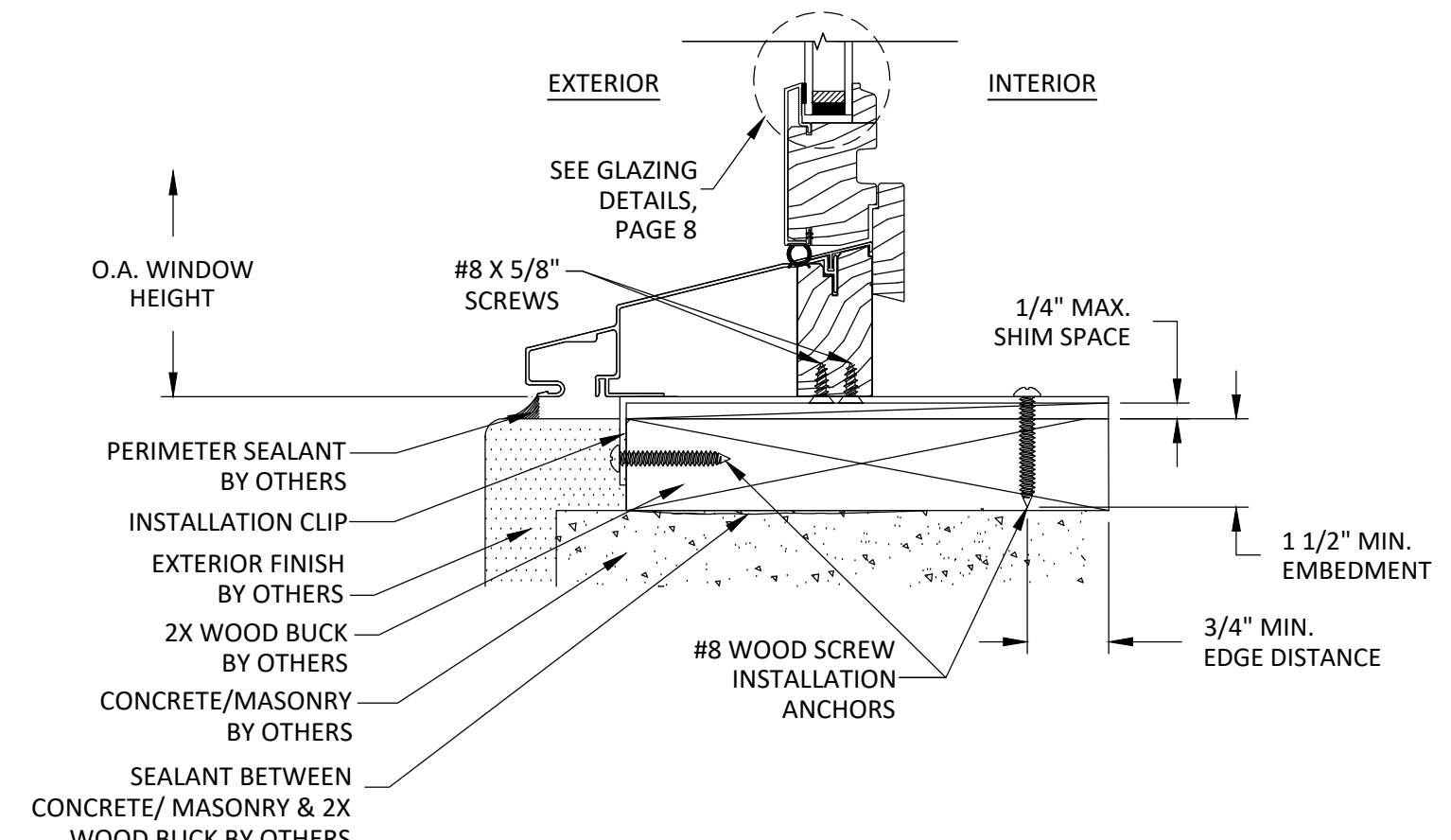


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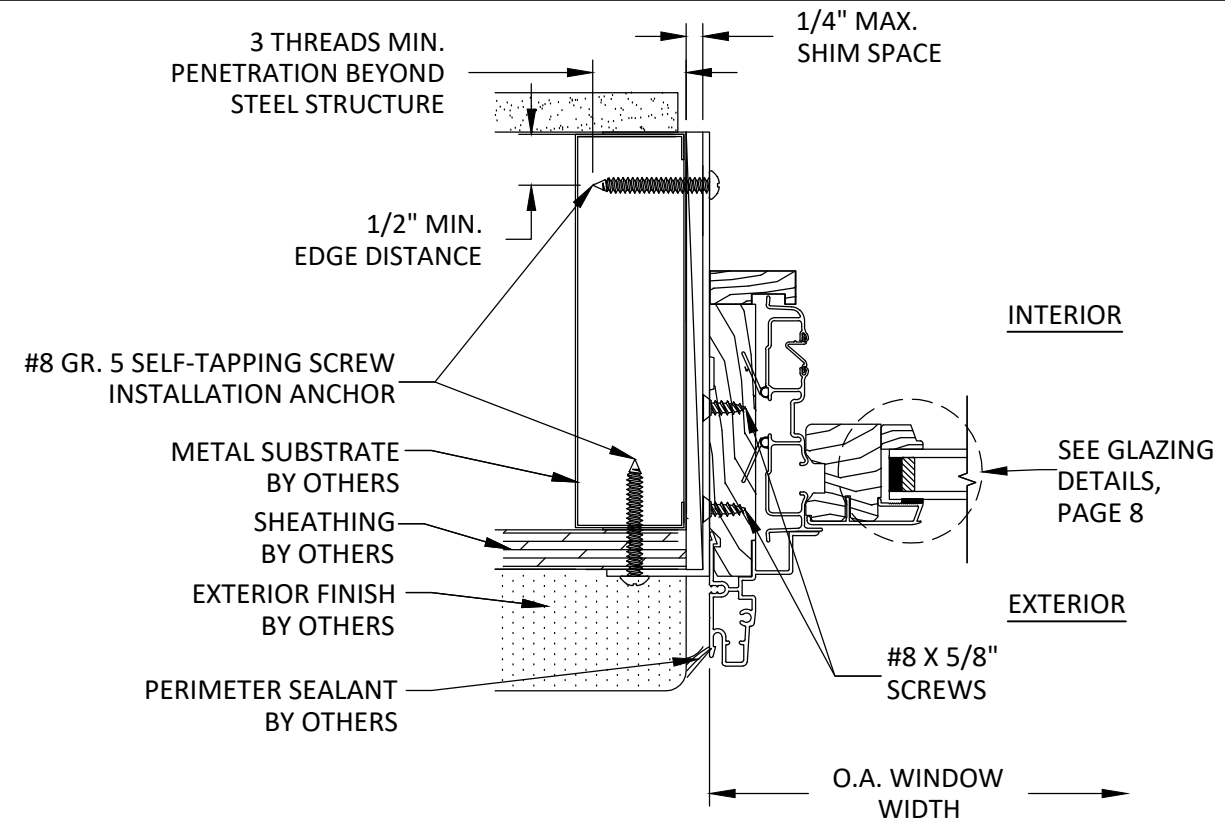
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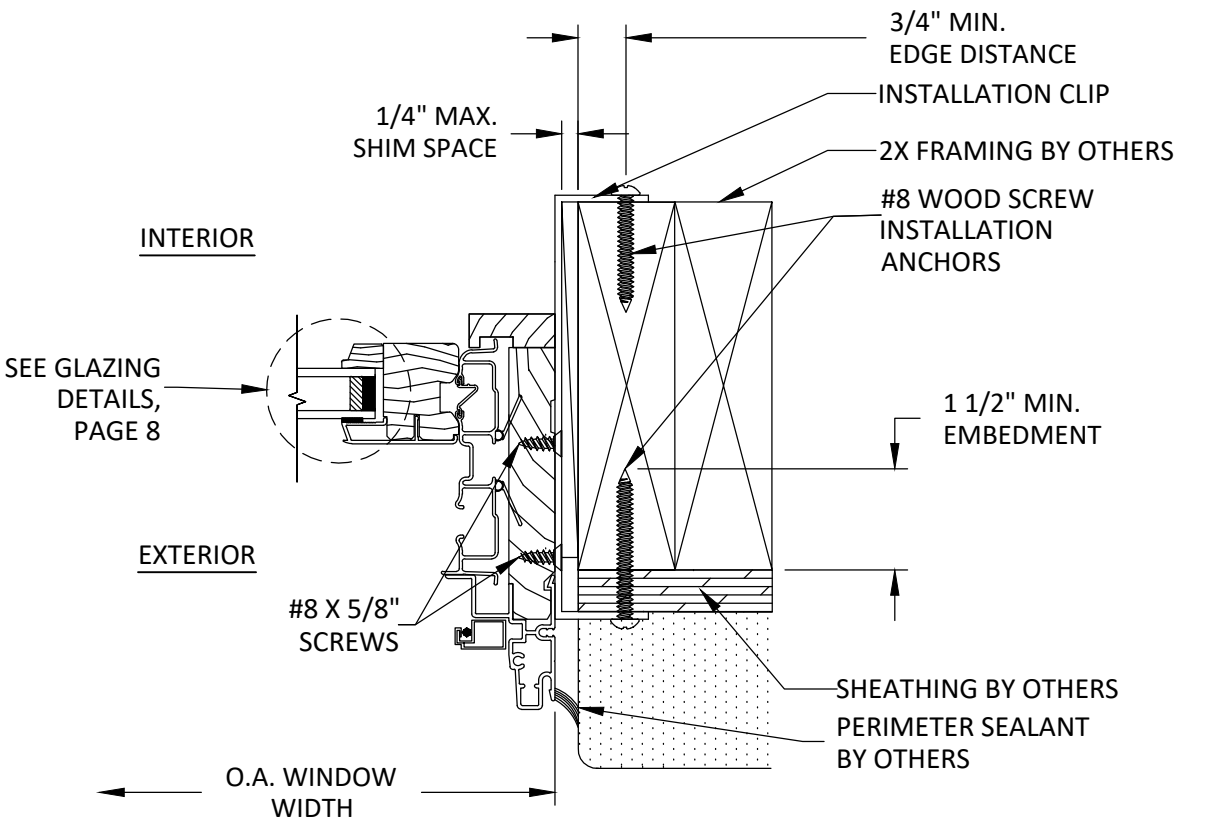
E
5
VERTICAL SECTION
HEAD - 2X WOOD BUCK
STANDARD CLIP INSTALLATION



F
5
VERTICAL SECTION
SILL - 2X WOOD BUCK
ALTERNATE CLIP INSTALLATION



G
5
HORIZONTAL SECTION
JAMB - STEEL STUD FRAME
ALTERNATE CLIP INSTALLATION



H
5
HORIZONTAL SECTION
JAMB - 2X FRAMING
STANDARD CLIP INSTALLATION



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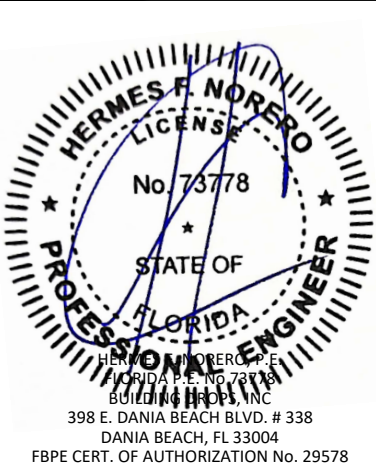
CLIP INSTALLATION SECTION

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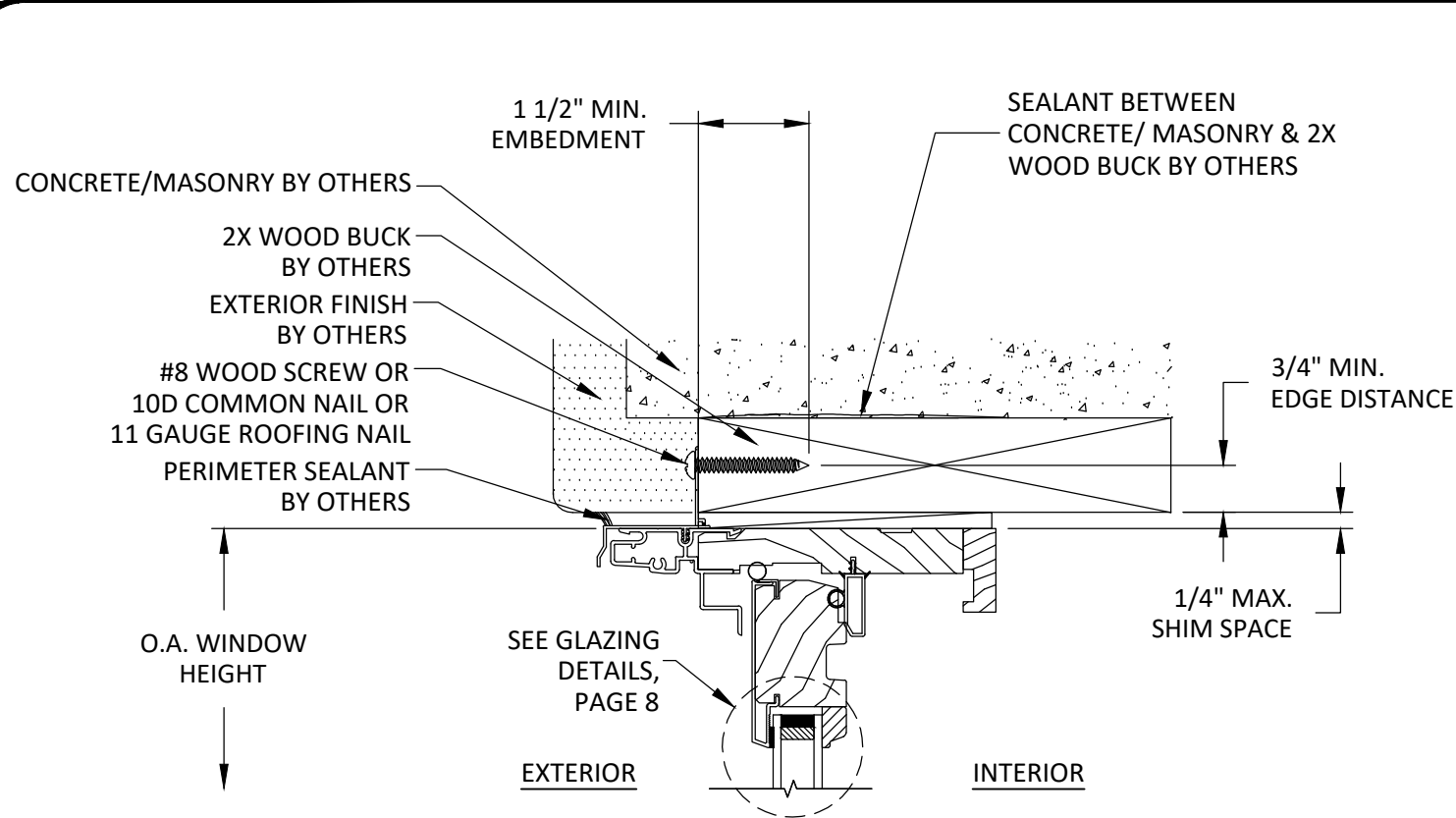
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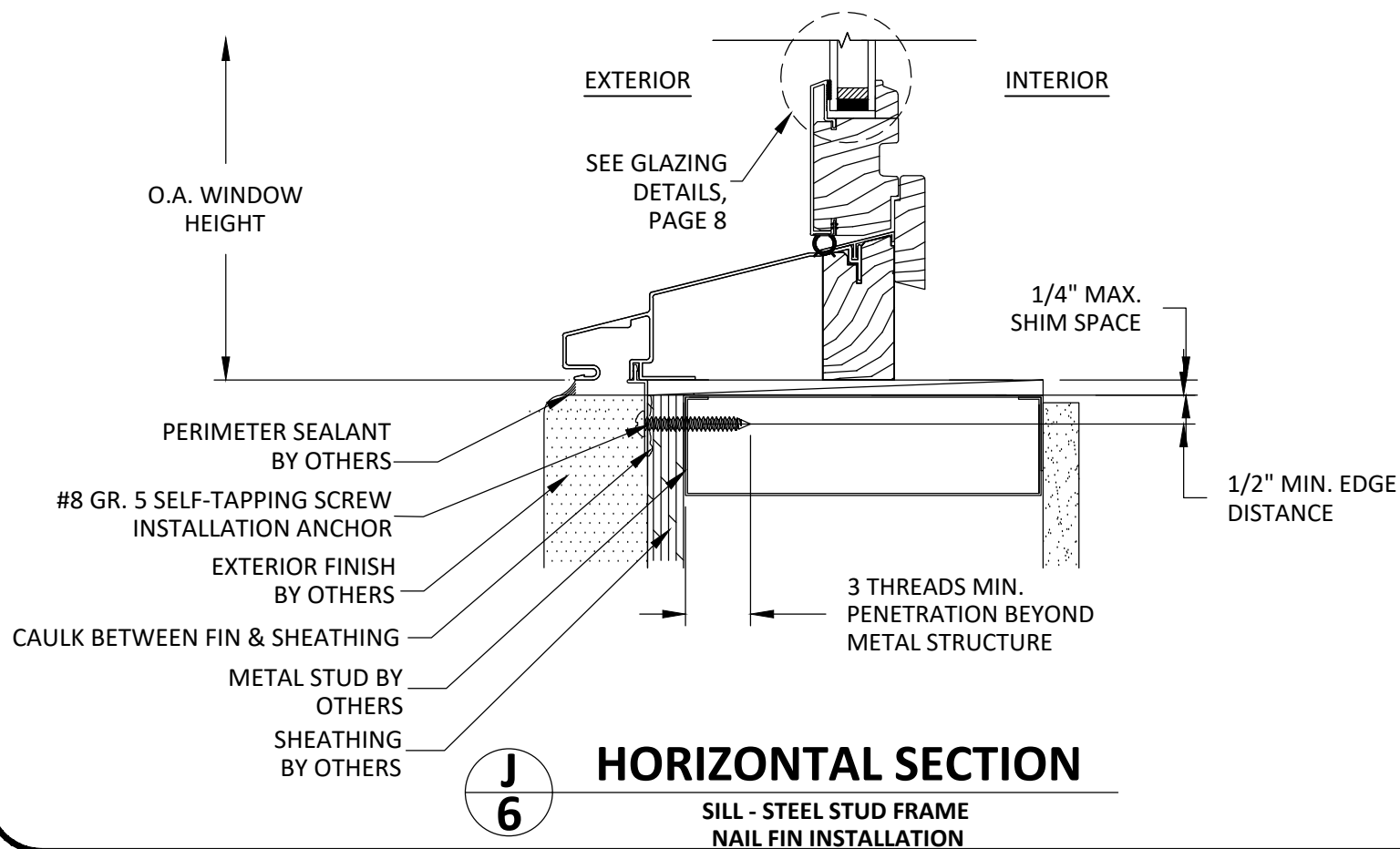
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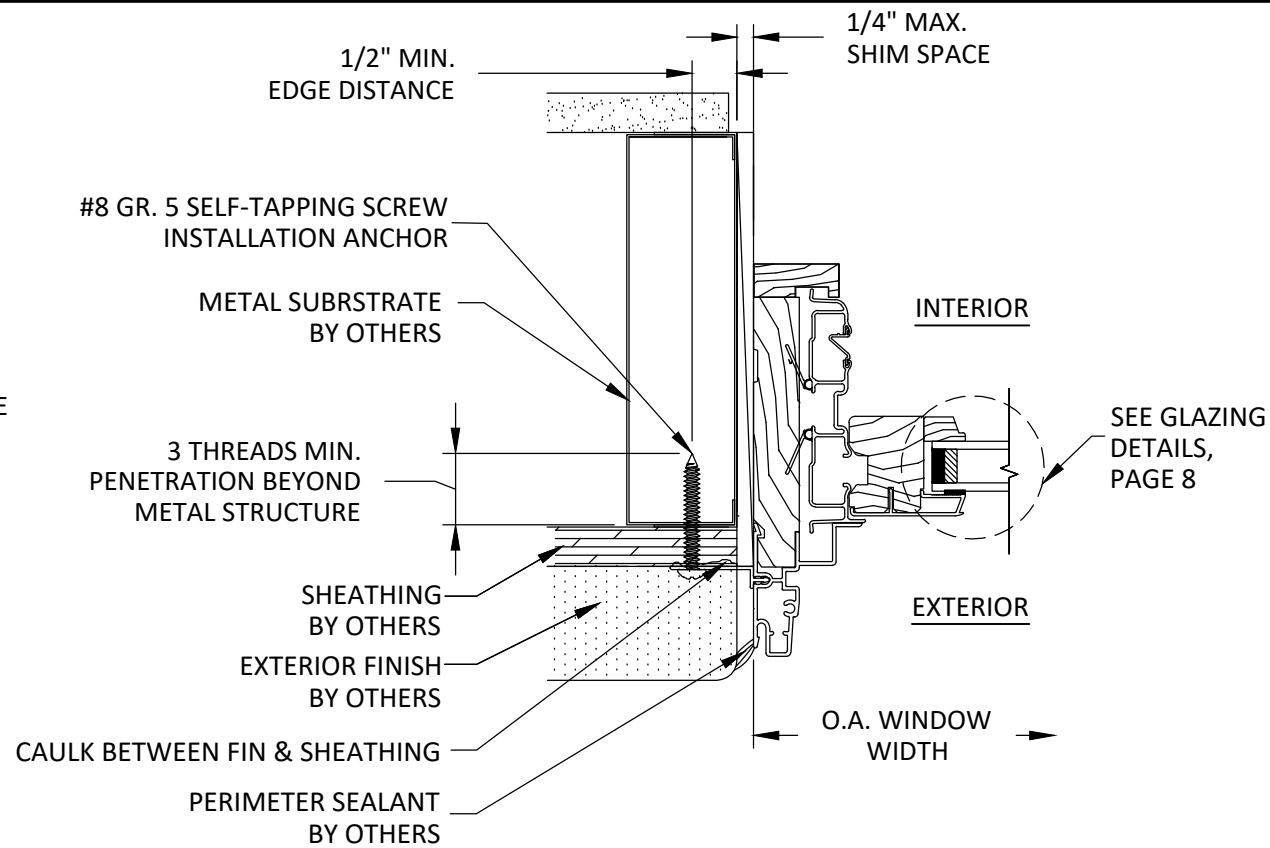
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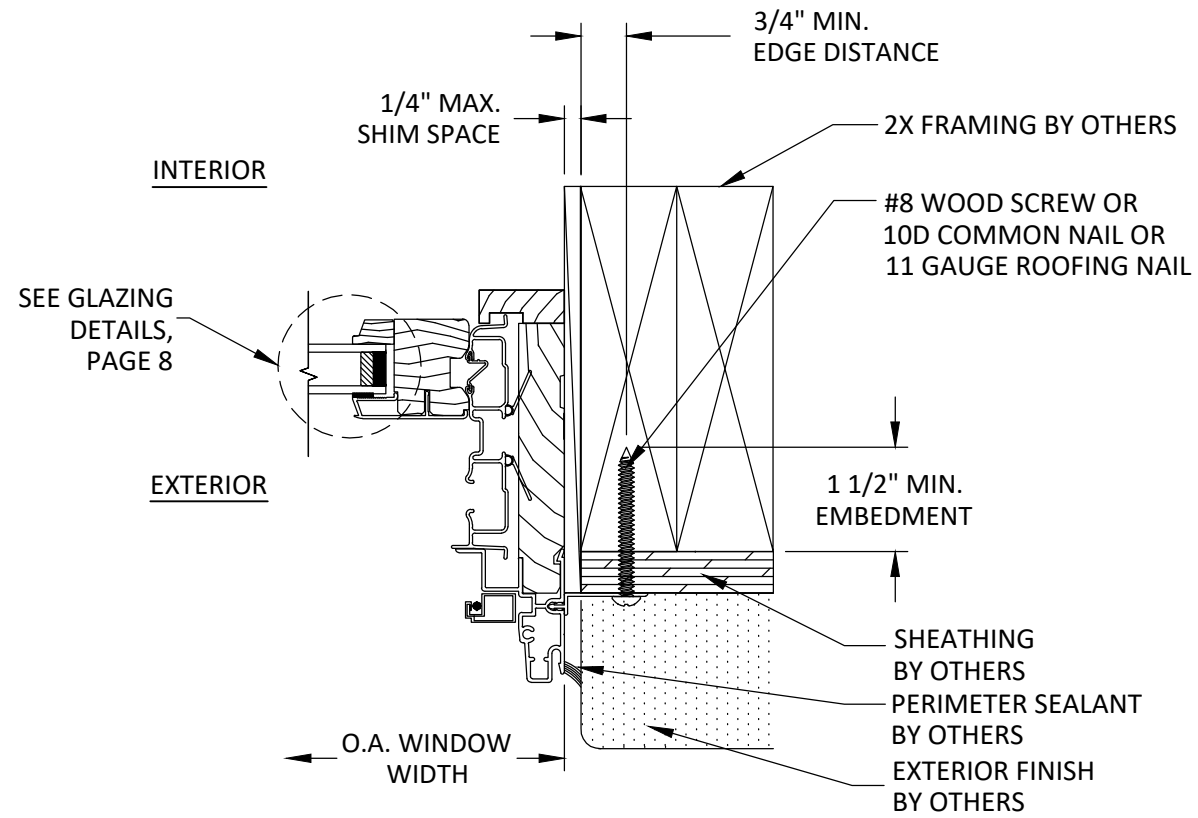
I
6 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
NAIL FIN INSTALLATION



J
6 **HORIZONTAL SECTION**
SILL - STEEL STUD FRAME
NAIL FIN INSTALLATION



K
6 **HORIZONTAL SECTION**
JAMB - STEEL STUD FRAME
NAIL FIN INSTALLATION



L
6 **HORIZONTAL SECTION**
JAMB - 2X FRAMING
NAIL FIN INSTALLATION



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NAIL FIN INSTALLATION
SECTIONS

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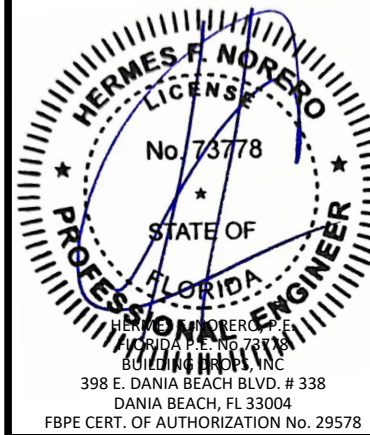
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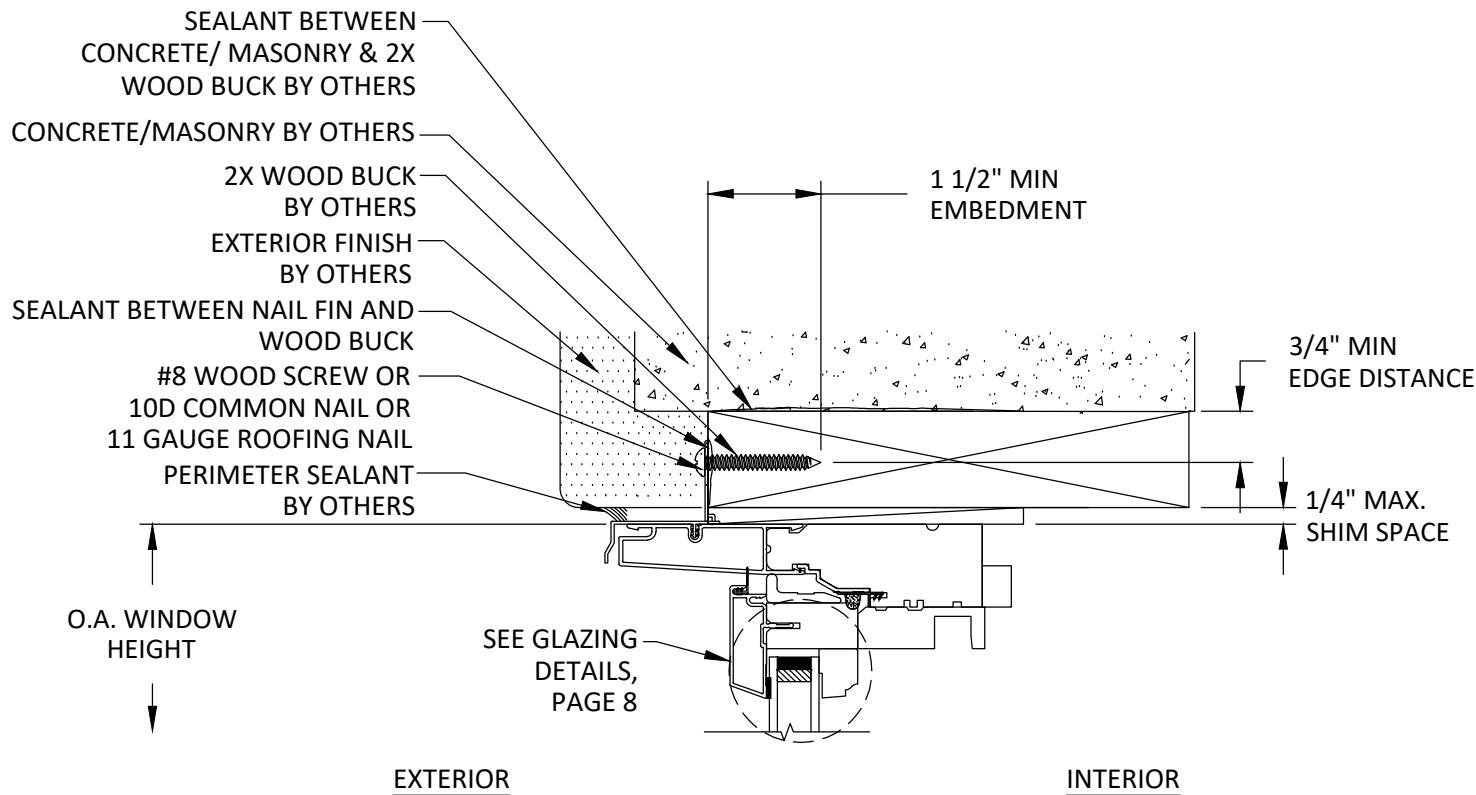
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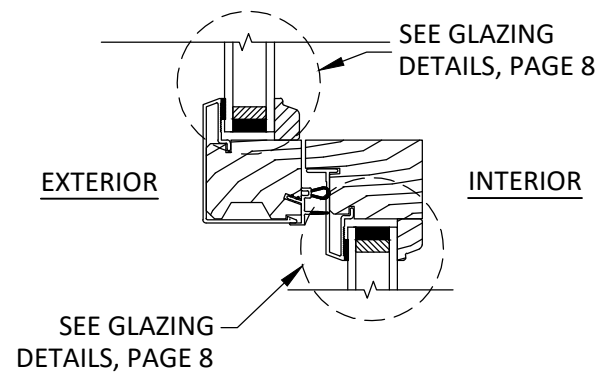
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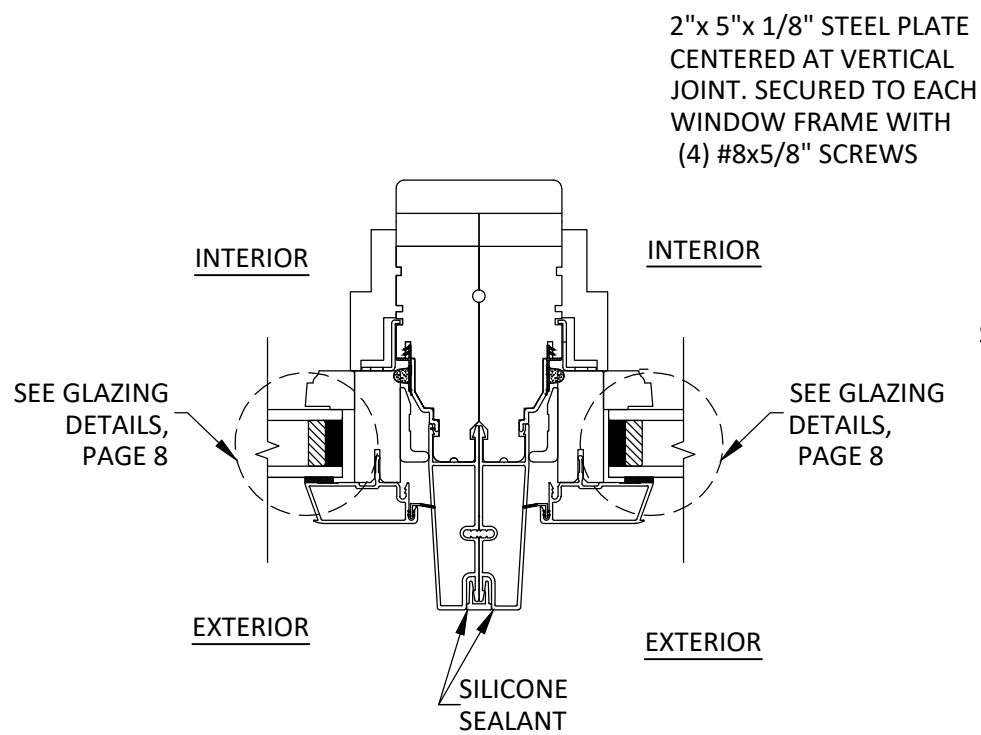
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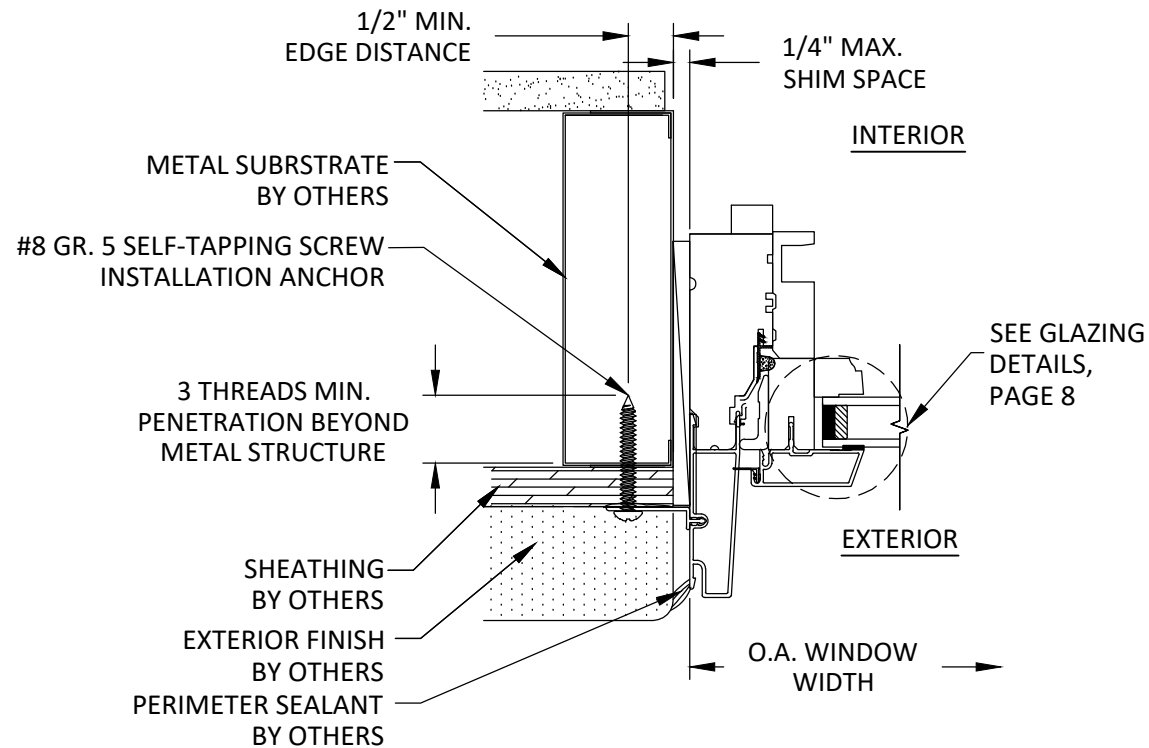
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7 **VERTICAL SECTION**
TRANSOM HEAD - 2X WOOD BUCK
NAIL FIN INSTALLATION



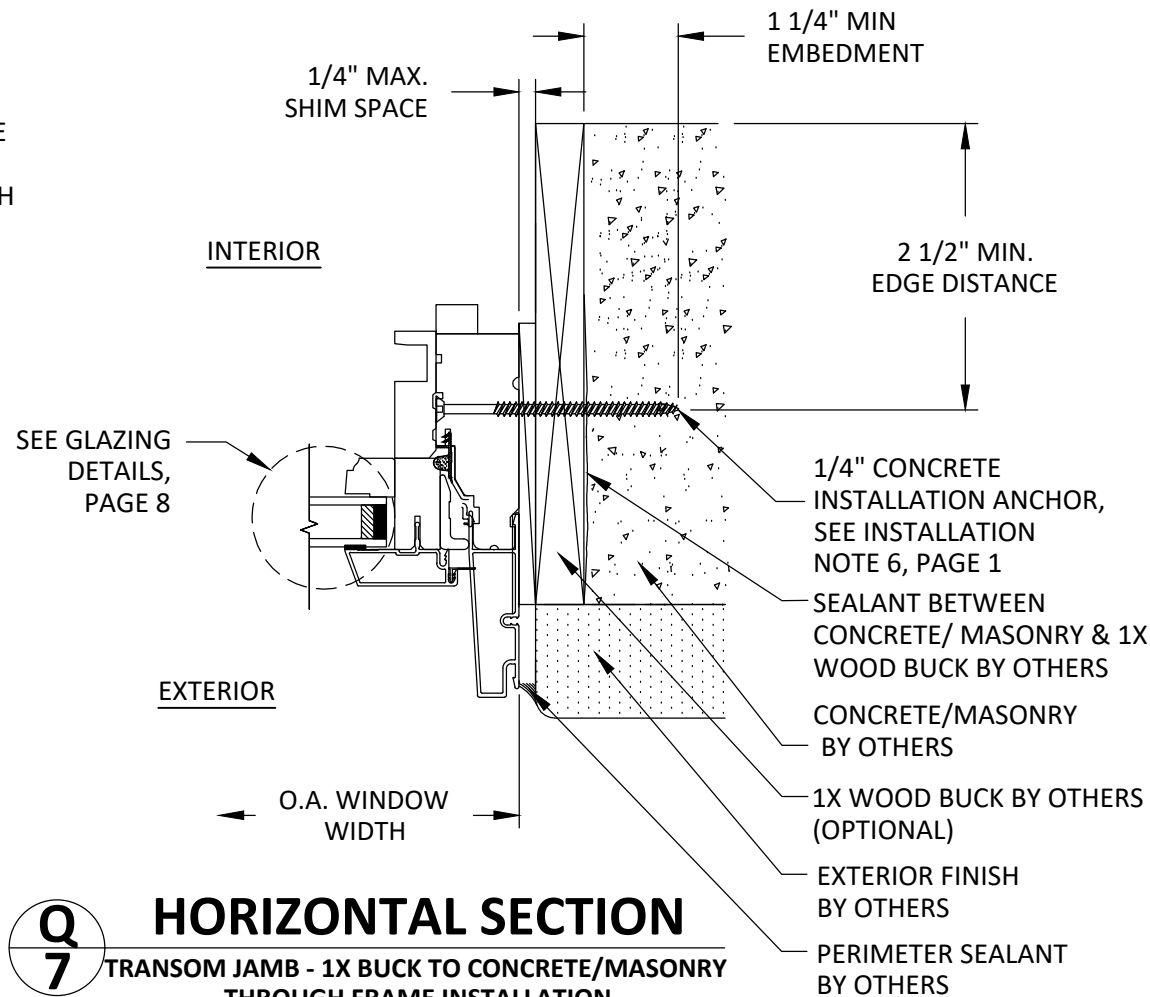
N
7 **VERTICAL SECTION**
MEETING RAIL



P
7 **VERTICAL MULLION**
TRANSOM PICTURE ZERO MULLION



O
7 **HORIZONTAL SECTION**
TRANSOM JAMB - METAL FRAME
NAIL FIN INSTALLATION



Q
7 **HORIZONTAL SECTION**
TRANSOM JAMB - 1X BUCK TO CONCRETE/MASONRY
THROUGH FRAME INSTALLATION



**WINDSOR WINDOWS
& DOORS**

900 S. 19TH STREET.
WEST DES MOINES, IA 50265
PH: (515)223-6660 FAX: (515)224-1938

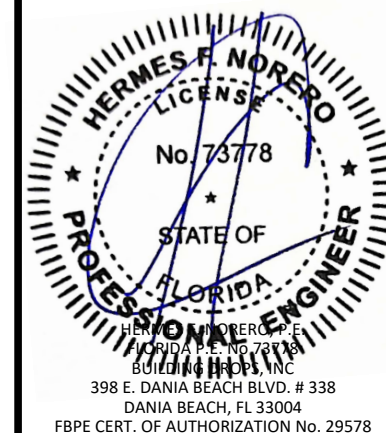
TITLE: PINNACLE CLAD CONCEALED
DOUBLE HUNG WINDOW
(NON-HVHZ)(NON-IMPACT)
NAIL FIN INSTALLATIONS 2,
MEETING RAIL & VERTICAL
TRANSOM MULLION

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



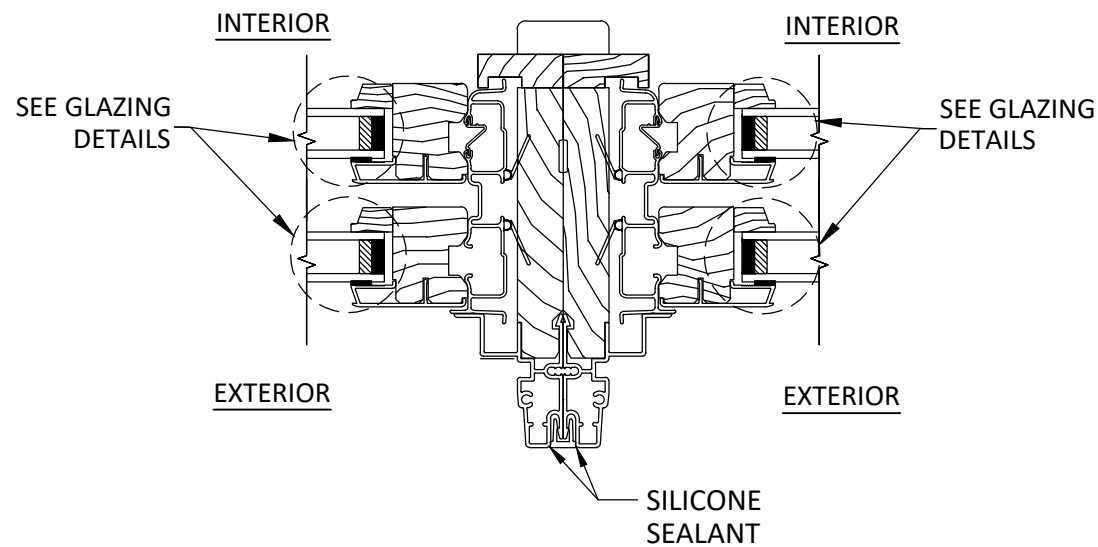
REMARKS	BY	DATE
CODE CHANGE 2020	YC	06/20
CODE CHANGE 2023	MG	03/23

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.

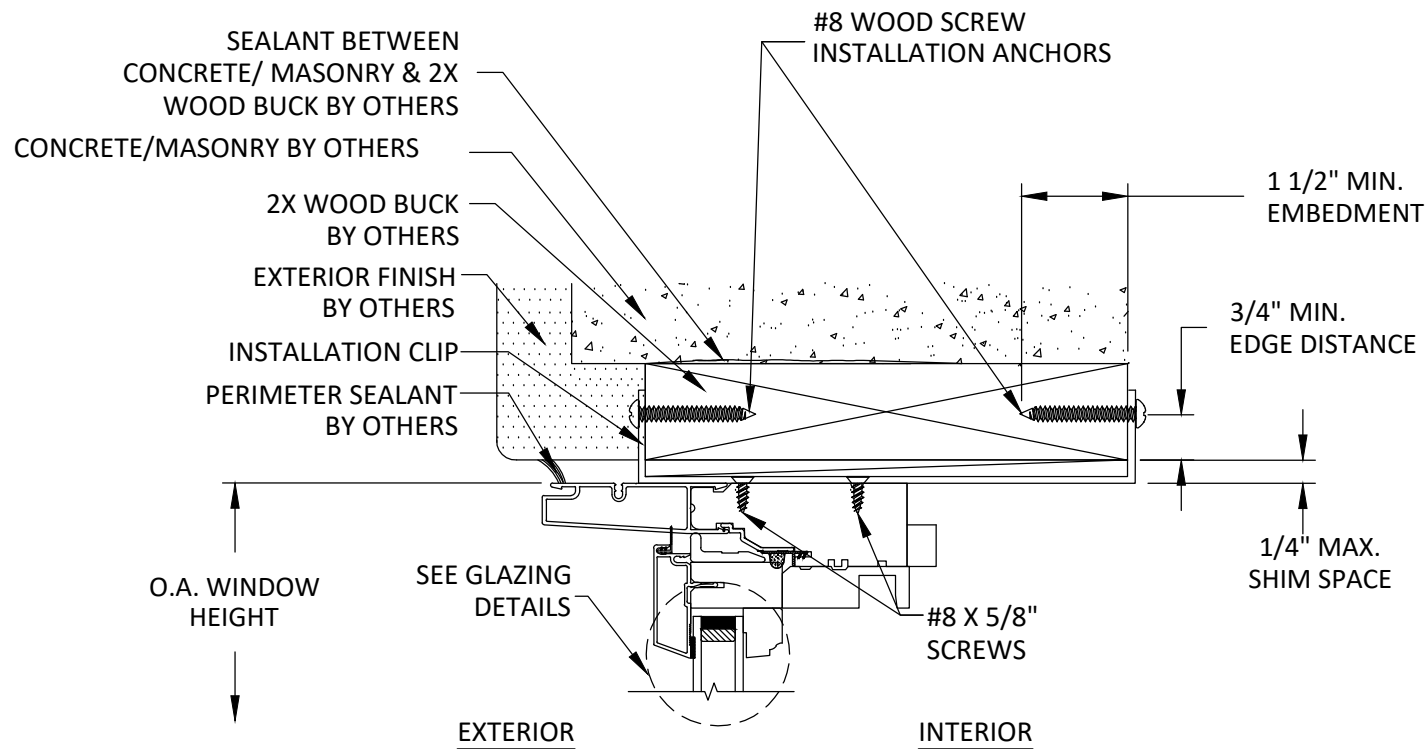


FL #:	FL11092
DATE:	06.12.20
DWG. BY:	YC
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	WWD005
SHEET:	7

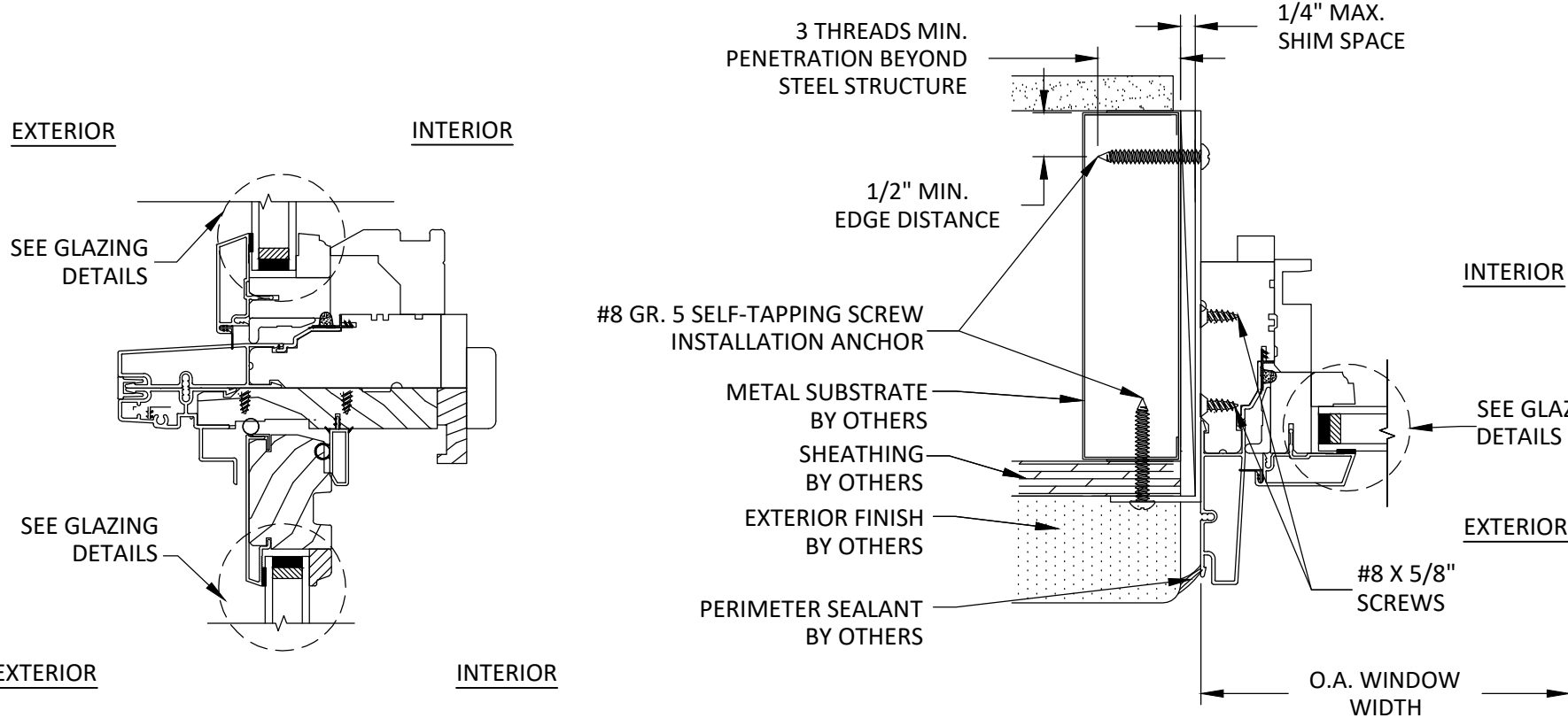
8/4/2023 9:26 AM
z:\projects\windor windows and doors\cc-22-1132 - fbc 2023 code change\dwgs\fl11092_2\wwd005.dwg



R
8 **VERTICAL MULLION**
DOUBLE HUNG ZERO MULLION

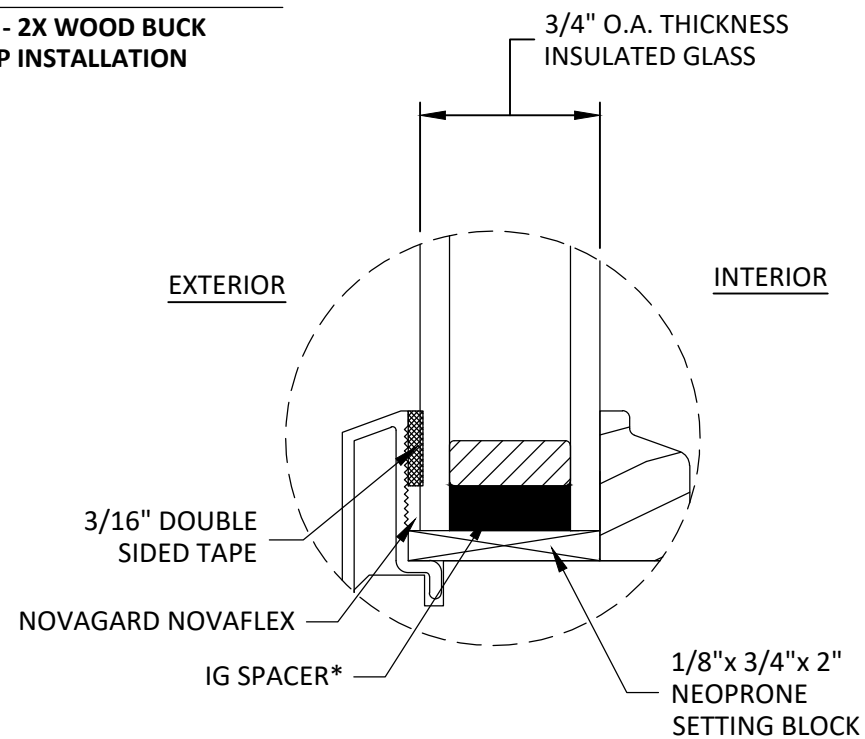


T
8 **VERTICAL SECTION**
TRANSOM HEAD - 2X WOOD BUCK
STANDARD CLIP INSTALLATION



S
8 **HORIZONTAL MULLION**
TRANSOM OVER DH OP.

U
8 **HORIZONTAL SECTION**
TRANSOM JAMB - STEEL STUD FRAME
ALTERNATE CLIP INSTALLATION



GLAZING DETAIL

GLAZING NOTES:
GLASS THICKNESS AND TYPE SHALL COMPLY WITH ASTM E1300 GLASS STRENGTH REQUIREMENTS.

*FOR GLASS THICKNESS UP TO 3.9 mm, USE QUANEX FOAM SUPER SPACER IG SPACER, FOR GLASS THICKNESS OVER 3.9 mm USE CARDINAL ENDURE STAINLESS STEEL IG SPACER.

ALL GLAZING CONFIGURATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN CURRENT FBC.



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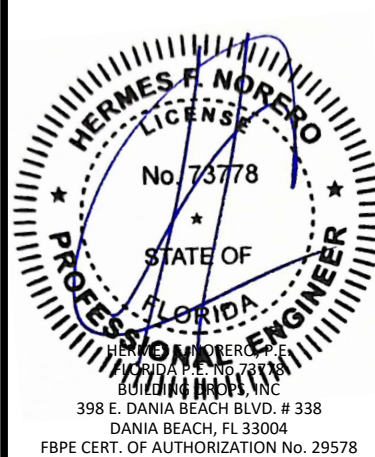
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(NON-HVHZ)(NON-IMPACT)
CLIP INSTALLATIONS 2, TRANSOM
HORIZONTAL MULL, DH MULL
& GLAZING DETAILS

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