

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 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
- 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.
- THROUGH FRAME:** FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2" MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- THROUGH FRAME:** FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 1/4" DIAMETER ITW TAPCONS, ELCO ULTRACONS, ELCO CRETE-FLEX OR HILTI KWIK-CON II OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4" MINIMUM EMBEDMENT.
- 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.
- CLIPS SHALL BE FASTENED TO THE WINDOW FRAME WITH (2) #8 X 5/8" SCREWS. CLIPS ARE 20 GAUGE (0.063" THICKNESS) F_y=33 KSI MIN STEEL WITH OVERALL DIMENSIONS OF 1.5" WIDE, 7.813" ALONG THE LONG LEG, AND 1.942" ALONG THE SHORT LEG.
- 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.
- 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.
- 1.5" X 1.5" X 0.060" 6063-T5 ALUMINUM NAIL FIN SHALL BE FASTENED TO THE WINDOW FRAME WITH #8 X 1/2" SCREWS, 12" MAX. ON CENTER AND 4" MAX. FROM CORNERS, AND 3M VHB TAPE.
- NAIL FIN:** FOR INSTALLATION INTO WOOD FRAMING USE #8 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2" MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- 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.
- 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.
- 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.

WINDSOR WINDOWS & DOORS

PINNACLE CLAD CONCEALED DOUBLE HUNG (WZ3)(IMPACT)

CONTINUED INSTALLATION NOTES:

- 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.
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - 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.
 - HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
 - STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 18 GA. WALL THICKNESS.
 - ALUMINUM - MINIMUM ALLOY 6063-T5. MINIMUM WALL THICKNESS OF 1/8" (0.125").

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
 - ASTM E 1886-13a
 - ASTM E 1996-12
- 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 NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONES 3 OR LESS.

TABLE OF CONTENTS		
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CONFIG.	TYP. OVERALL SIZE		DESIGN PRESSURE	INSTALL METHOD	MISSILE IMPACT RATING
	WIDTH	HEIGHT			
DOUBLE HUNG	37-3/8"	76-3/4"	+/- 50 PSF	THROUGH FRAME, CLIP, OR NAIL FIN	LARGE & SMALL MISSILE IMPACT RATED
TWIN DH WITH TRANSOMS	75-3/4"	101-3/4"	+/- 50 PSF		

- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONES 4.
- WINDOW FRAME MATERIAL: WOOD
WINDOW CLADDING MATERIAL: ALUMINUM 6063-T5
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 7 FOR GLAZING DETAILS.



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TITLE: PINNACLE CLAD CONCEALED DOUBLE HUNG WINDOW (WZ3) (IMPACT)

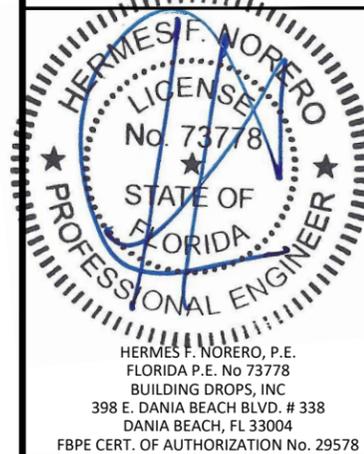
INSTALLATION AND GENERAL NOTES

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
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REMARKS	BY	DATE
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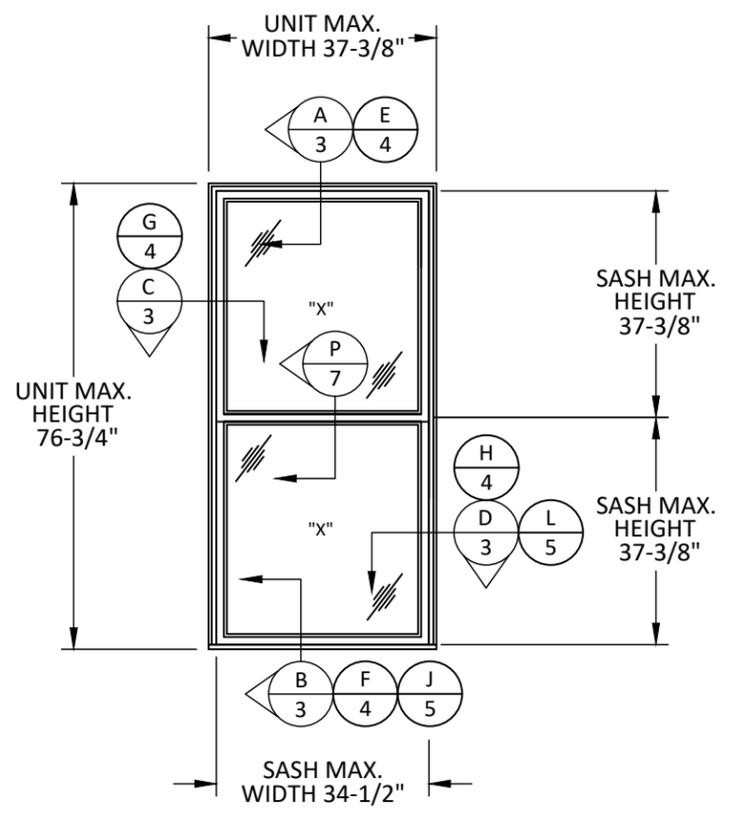


FL #:	FL11092
DATE:	06.12.20
DWG. BY:	YC
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	WWD004
SHEET:	1
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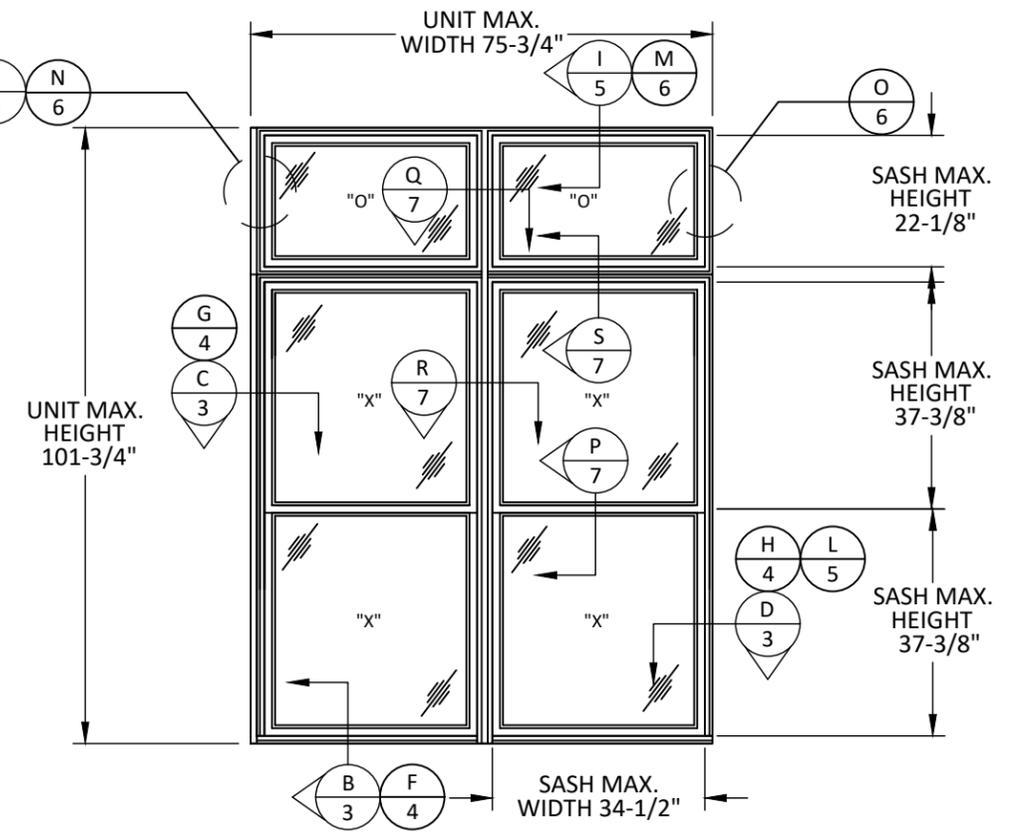
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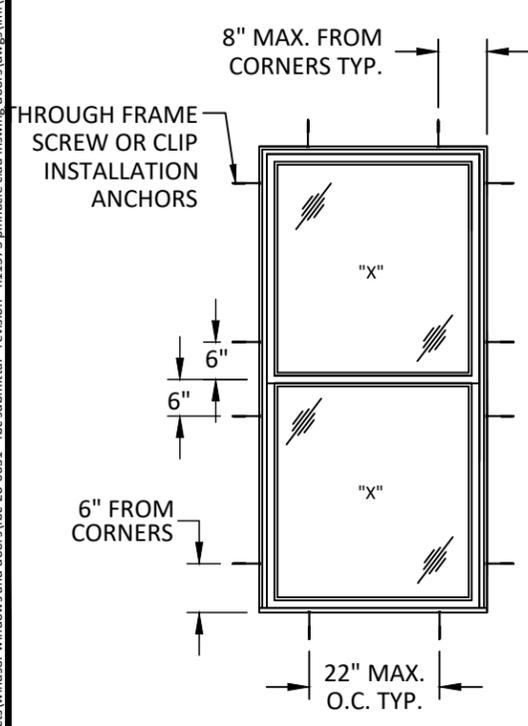
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 A Woodgrain Millwork Company
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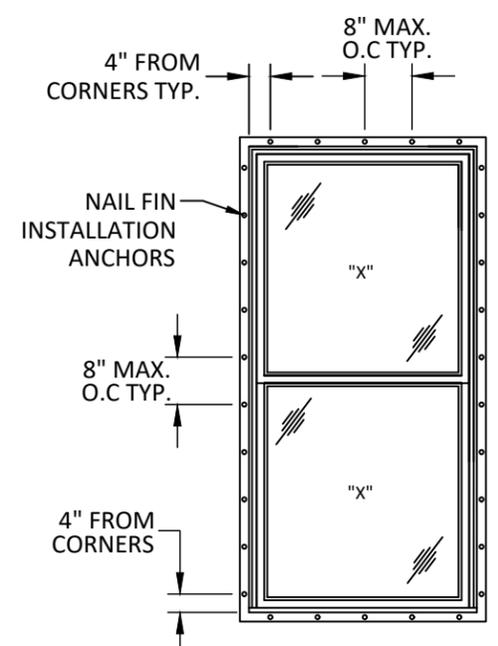
TYPICAL ELEVATION
DOUBLE HUNG



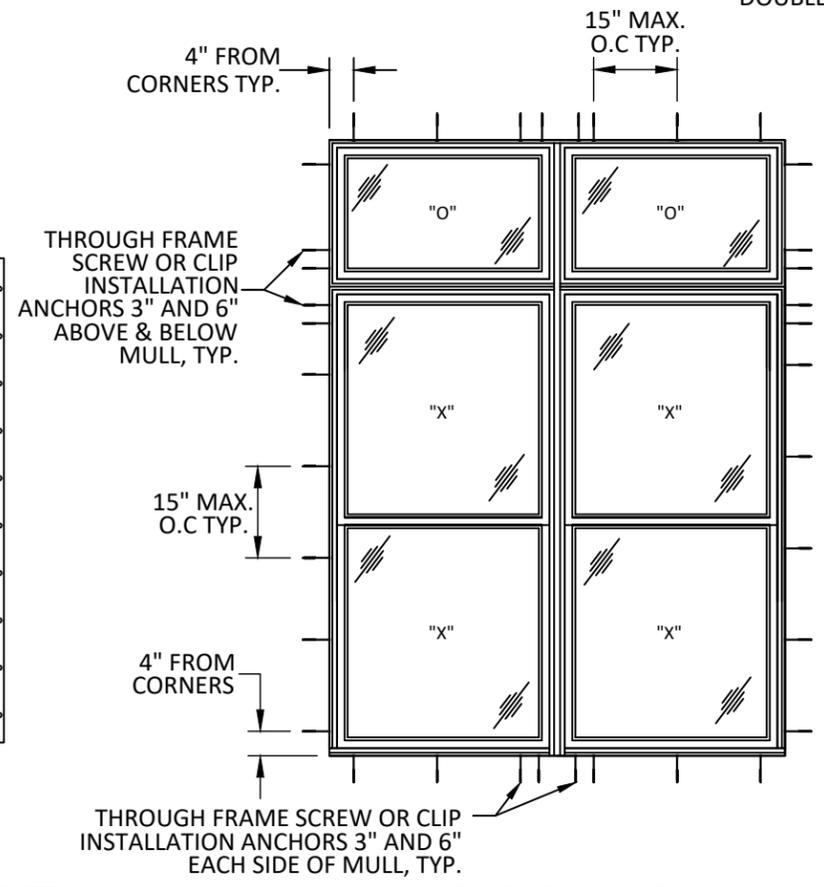
TYPICAL ELEVATION
DOUBLE HUNG TRANSOM OVER DOUBLE HUNG



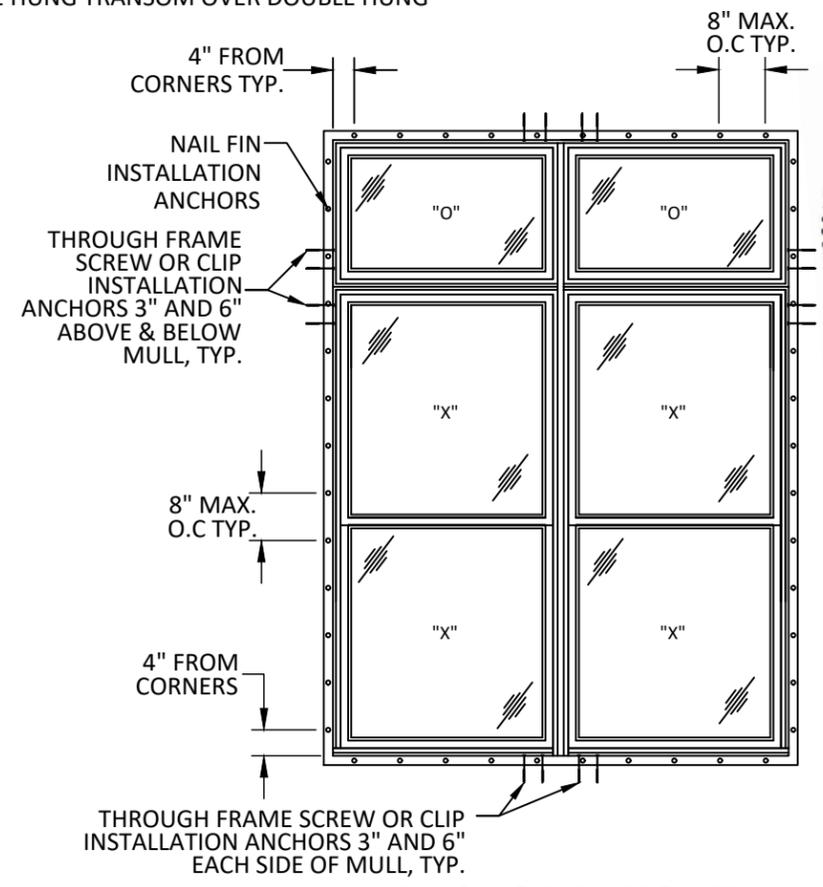
ANCHOR LAYOUT
CLIP OR SCREW INSTALLATION



ANCHOR LAYOUT
NAIL FIN INSTALLATION



ANCHOR LAYOUT
CLIP OR SCREW INSTALLATION

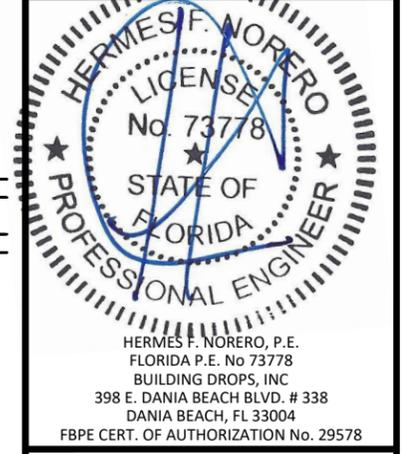


ANCHOR LAYOUT
NAIL FIN INSTALLATION

TITLE: Pinnacle Clad Concealed Double Hung Window (WZ3) (IMPACT)
 ELEVATIONS & ANCHOR LAYOUTS
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 SCALE: **NTS**
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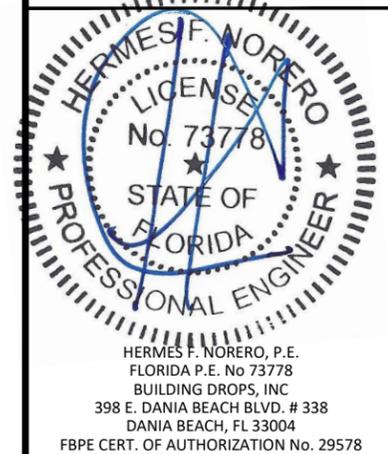
WINDSOR WINDOWS & DOORS
 900 S. 19TH STREET.
 WEST DES MOINES, IA 50265
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TITLE: PINNACLE CLAD CONCEALED
 DOUBLE HUNG WINDOW
 (WZ3) (IMPACT)
 THROUGH FRAME
 INSTALLATION SECTIONS

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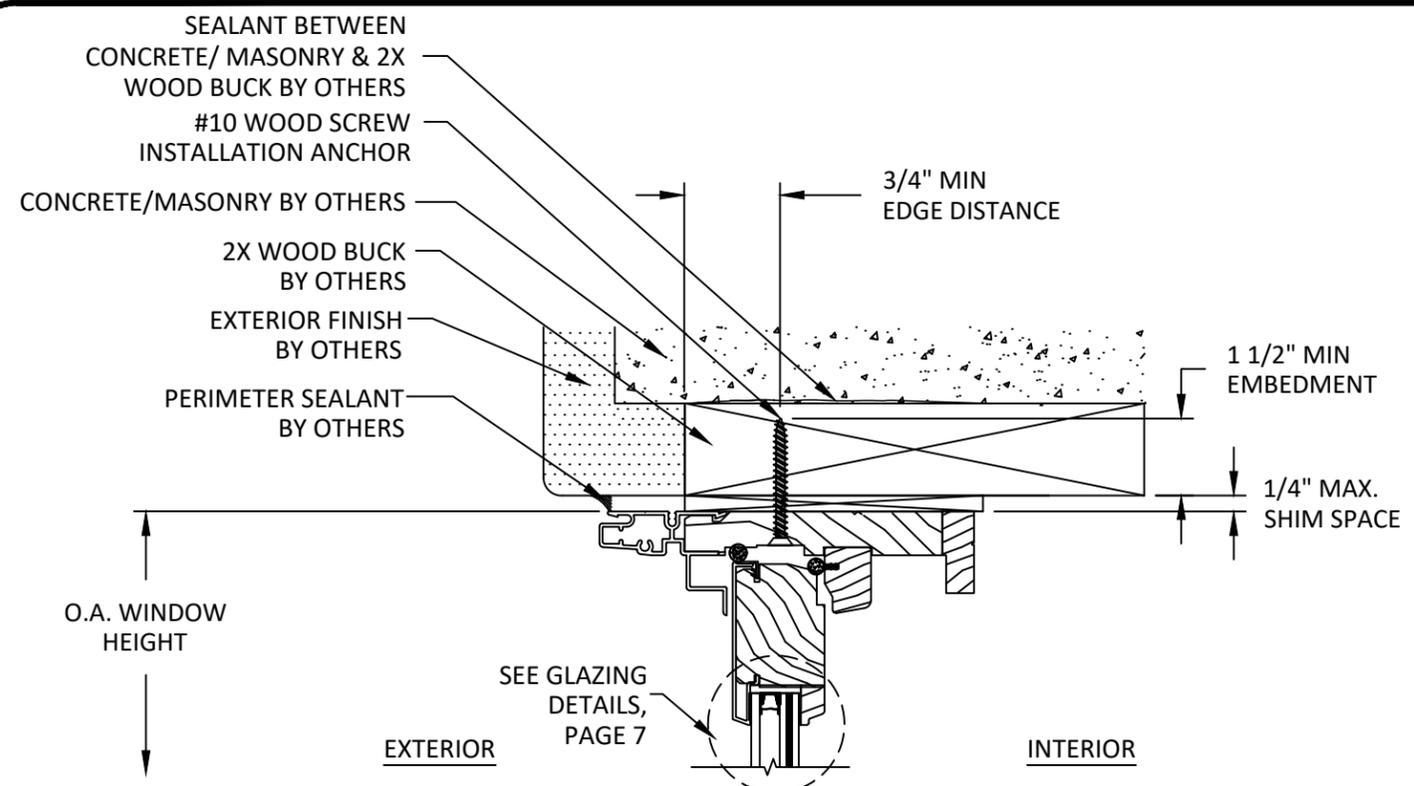
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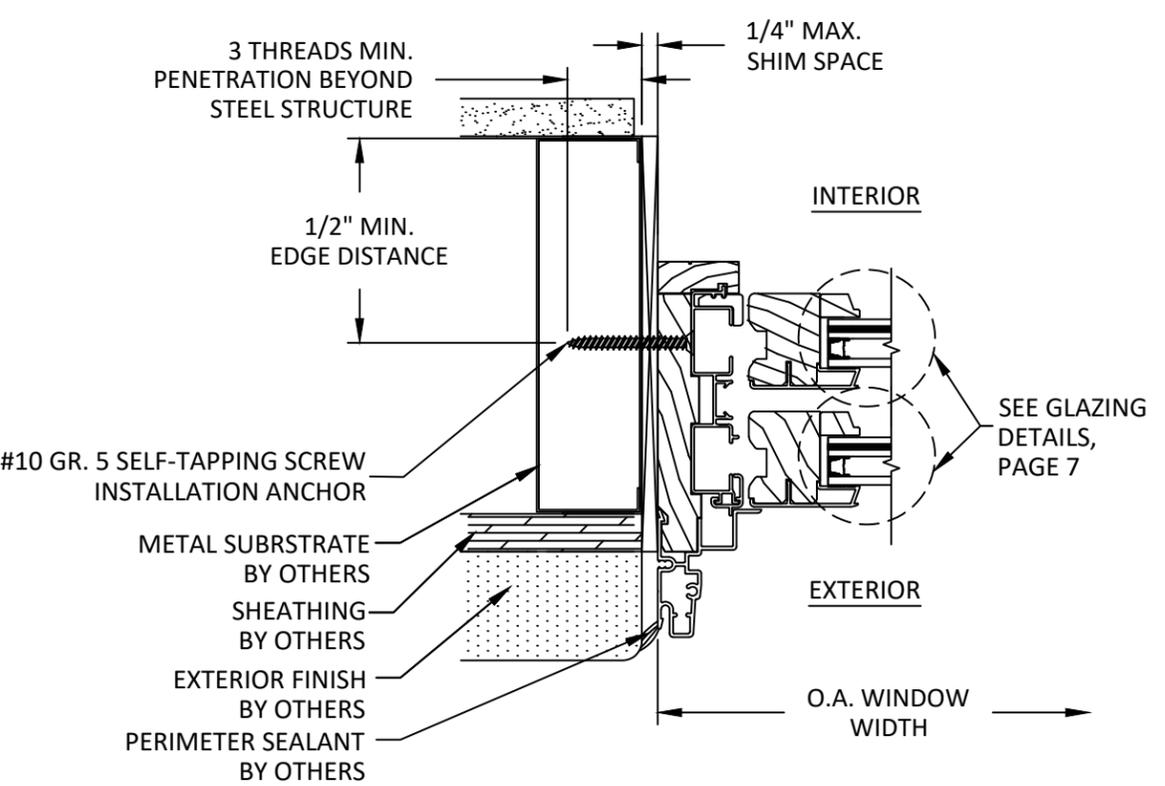
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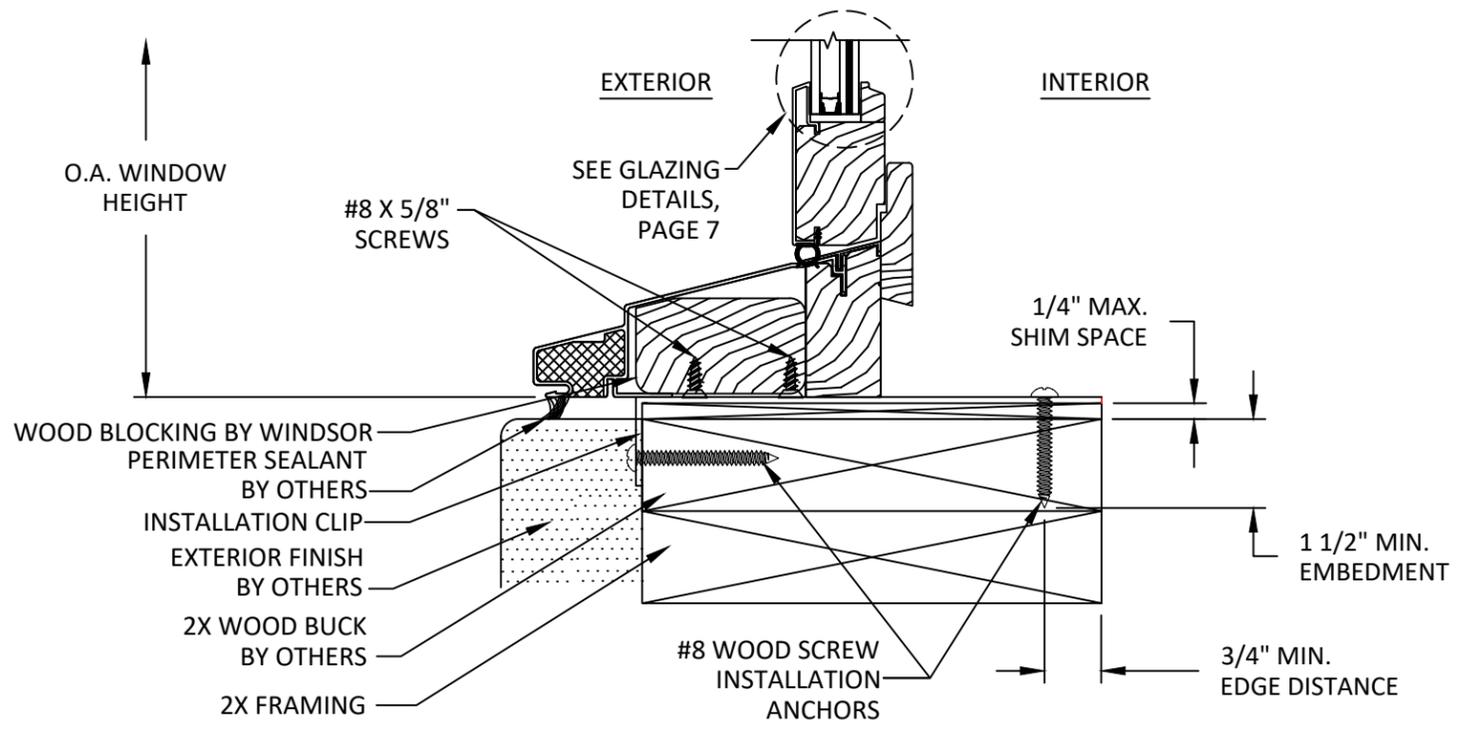
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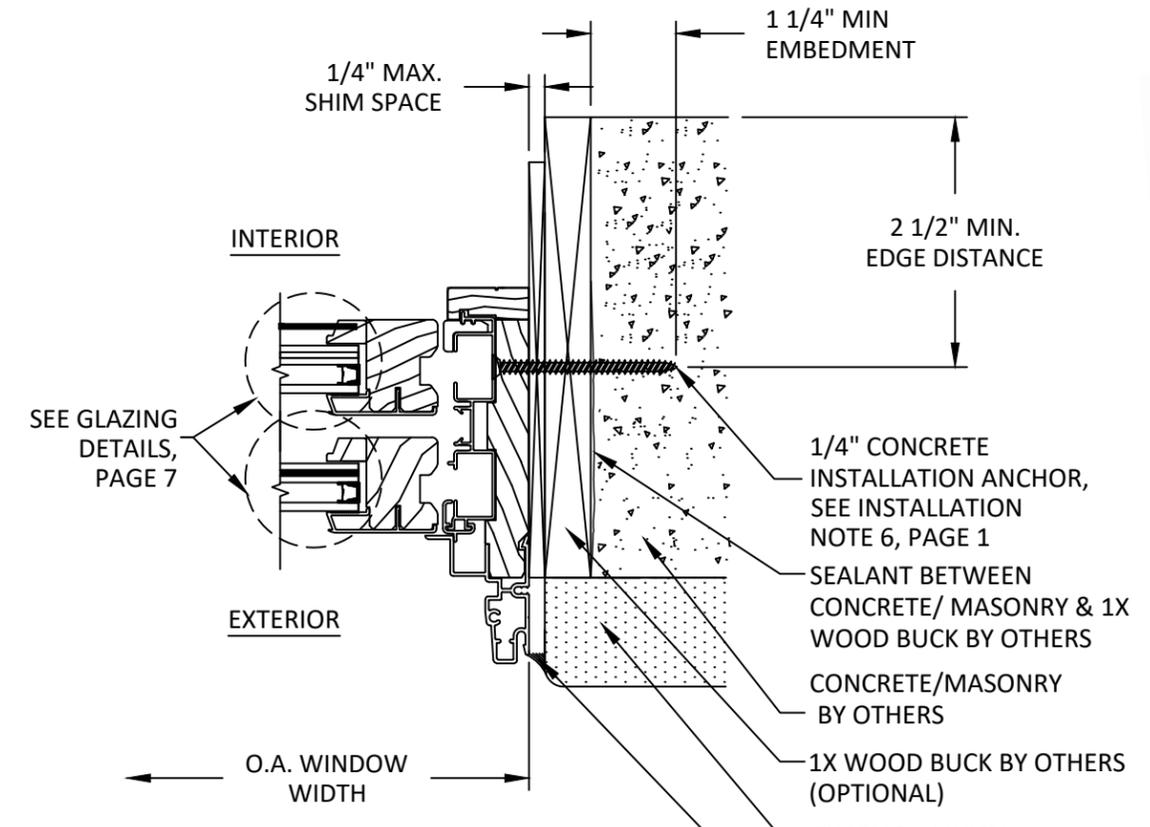
A
3
VERTICAL SECTION
 DH HEAD - 2X WOOD BUCK
 THROUGH FRAME INSTALLATION



C
3
HORIZONTAL SECTION
 DH JAMB - STEEL STUD FRAME
 THROUGH FRAME INSTALLATION



B
3
VERTICAL SECTION
 DH SILL - 2X WOOD BUCK
 CLIP INSTALLATION



D
3
HORIZONTAL SECTION
 DH JAMB - 1X BUCK TO CONCRETE/MASONRY
 THROUGH FRAME INSTALLATION

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

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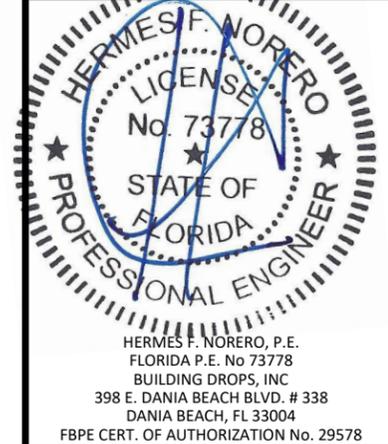
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 DOUBLE HUNG WINDOW
 (WZ3) (IMPACT)
 NAIL FIN INSTALLATION
 SECTIONS

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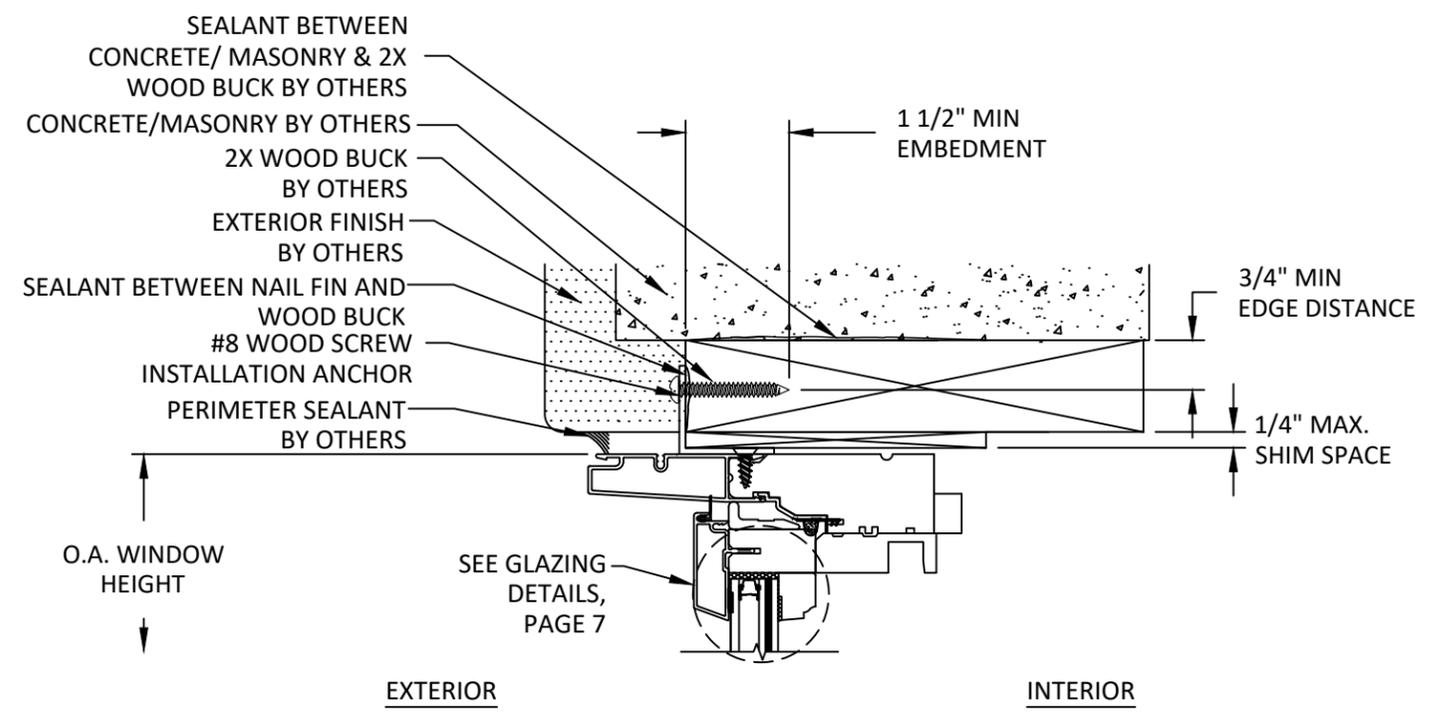
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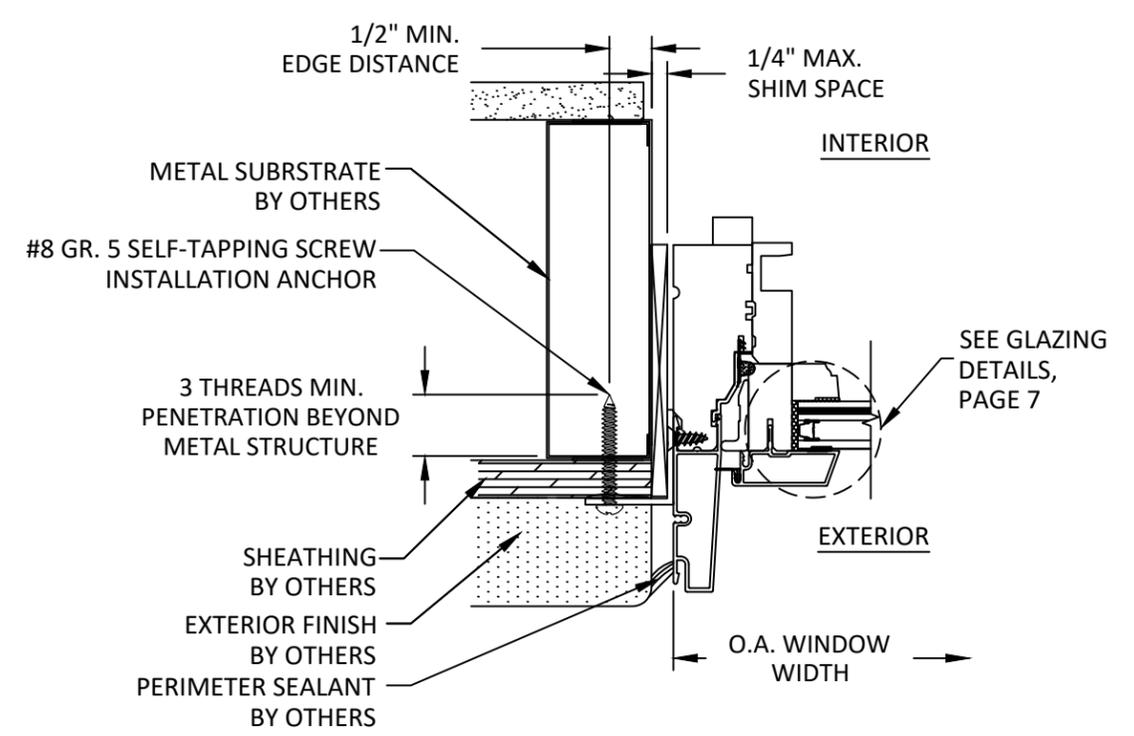
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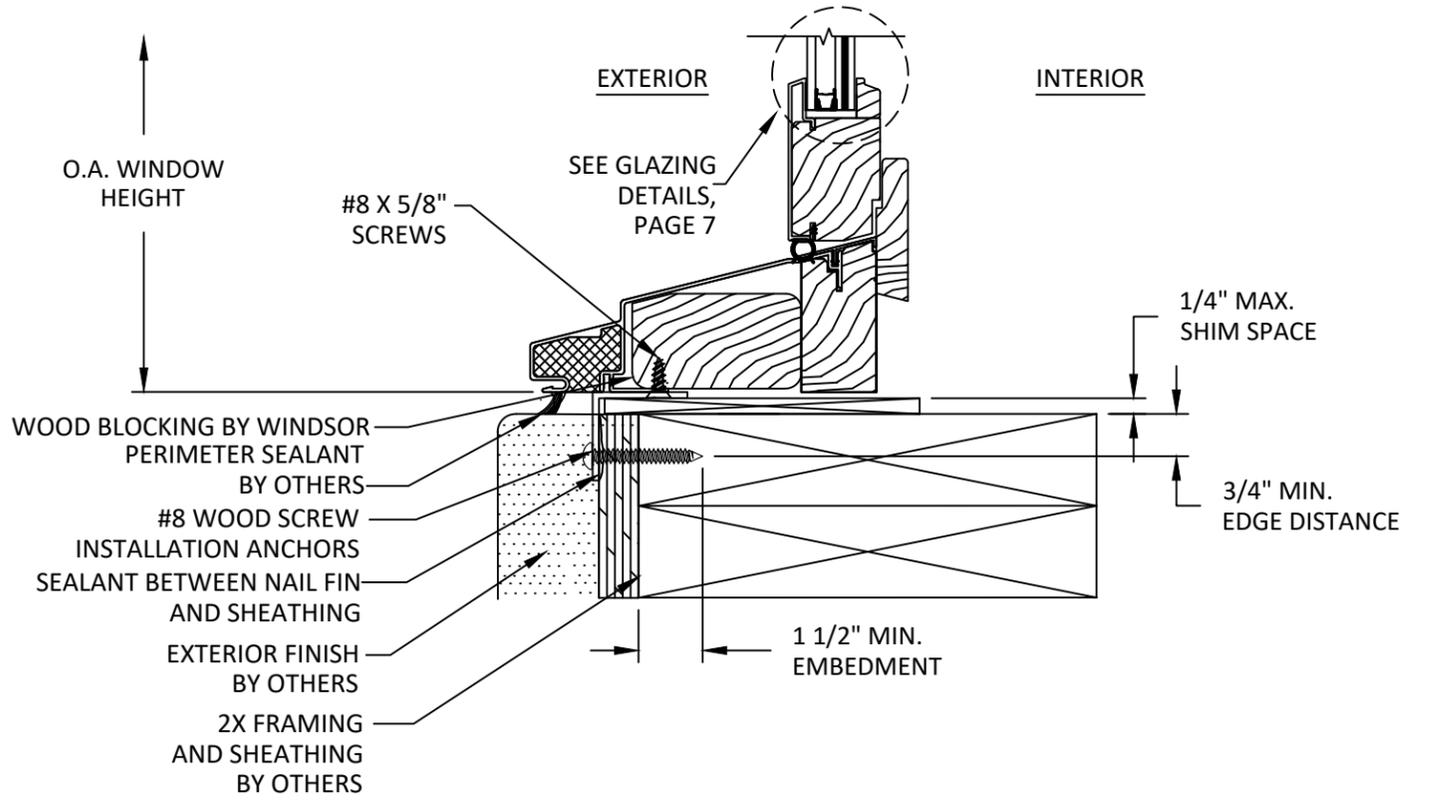
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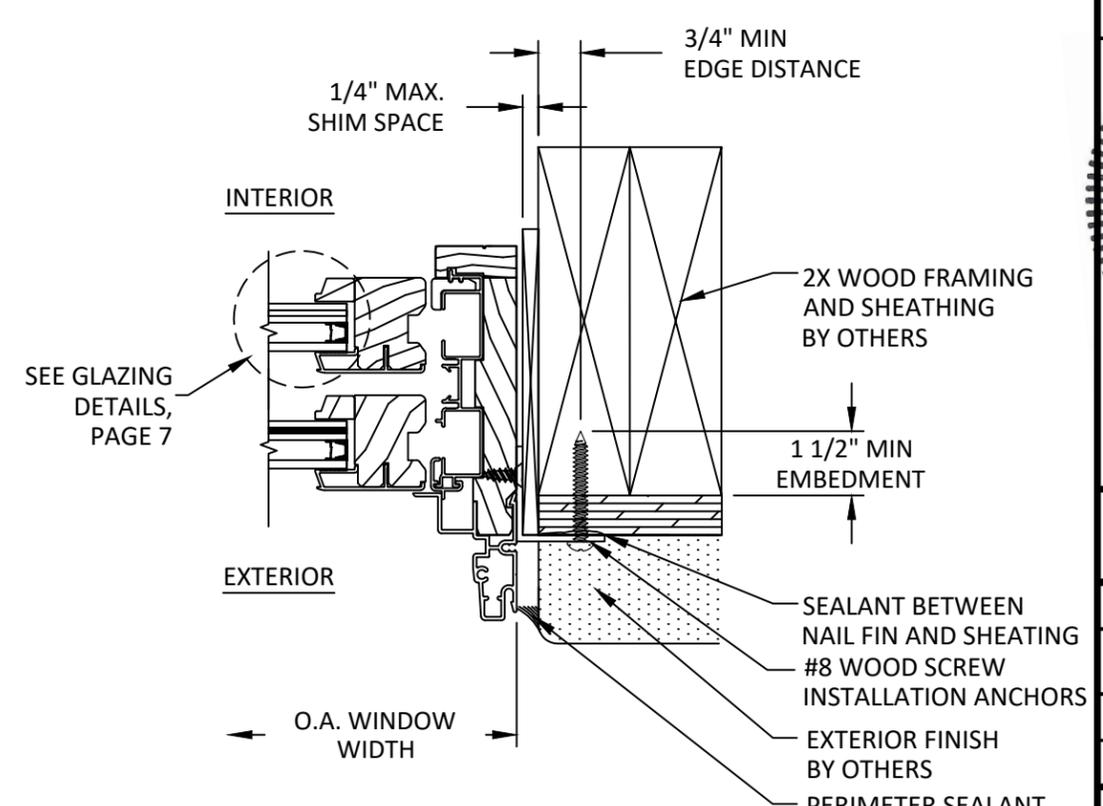
I
5
VERTICAL SECTION
 TRANSOM HEAD - 2X WOOD BUCK
 NAIL FIN INSTALLATION



K
5
HORIZONTAL SECTION
 TRANSOM JAMB - METAL SUBSTRATE
 NAIL FIN INSTALLATION

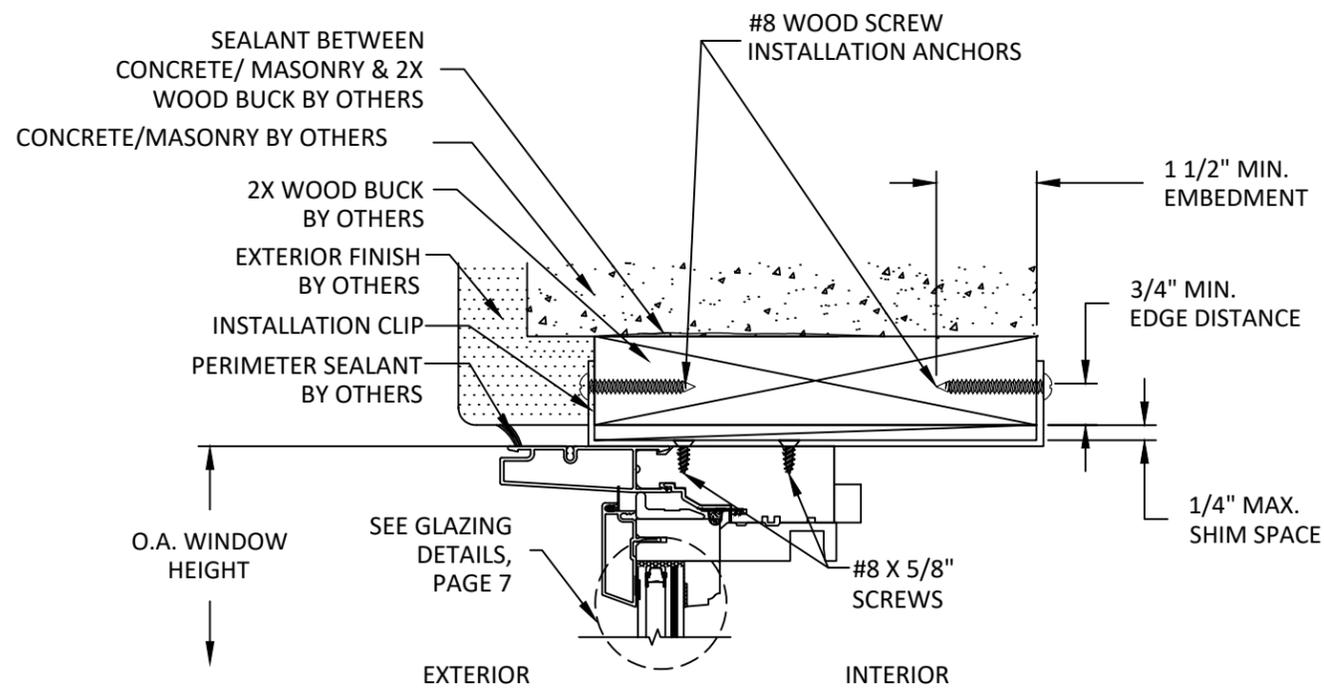


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VERTICAL SECTION
 DH SILL - 2X WOOD FRAMING
 NAIL FIN INSTALLATION

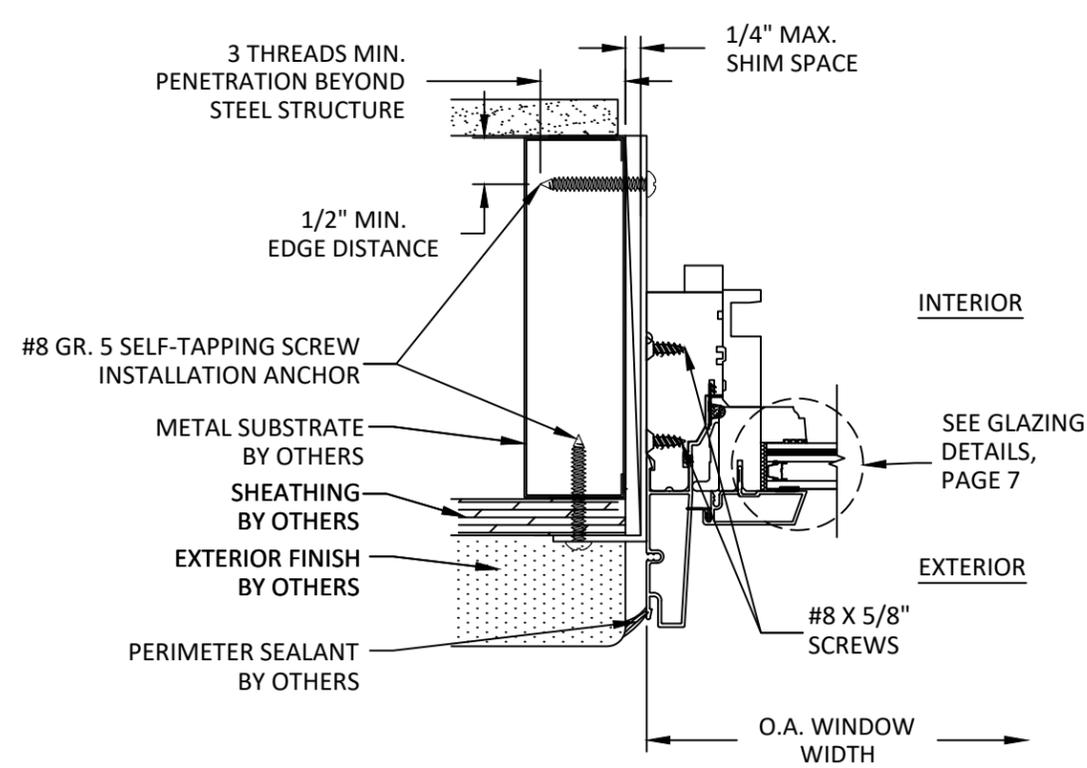


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HORIZONTAL SECTION
 DH JAMB - 2X 2X6 WOOD BUCKS
 NAIL FIN INSTALLATION

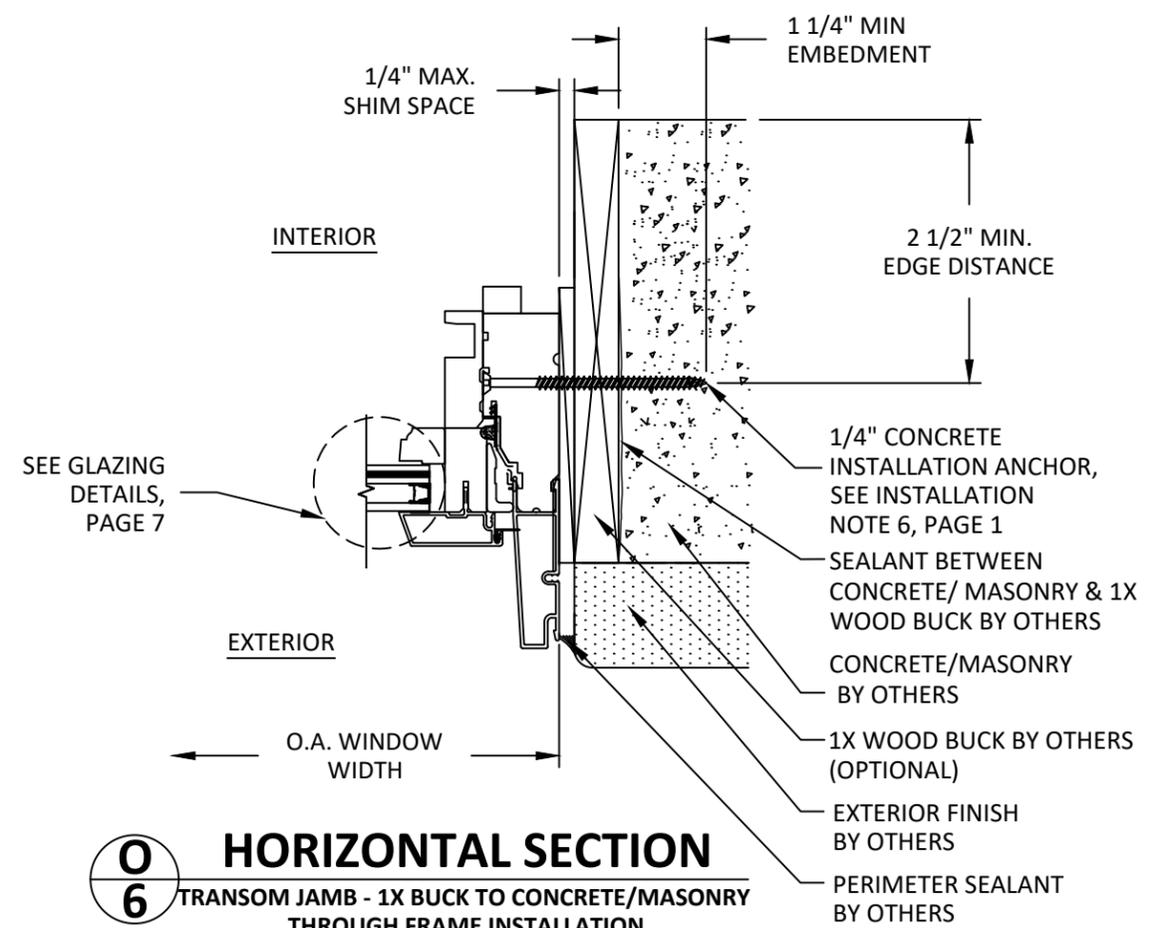
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M
6 **VERTICAL SECTION**
TRANSOM HEAD - 2X WOOD BUCK
STANDARD CLIP INSTALLATION



N
6 **HORIZONTAL SECTION**
TRANSOM JAMB - STEEL STUD FRAME
ALTERNATE CLIP INSTALLATION



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



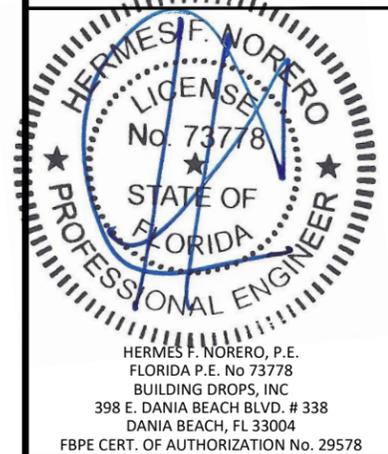
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TITLE: PINNACLE CLAD CONCEALED
 DOUBLE HUNG WINDOW
 (WZ3) (IMPACT)
 TRANSOM SECTIONS

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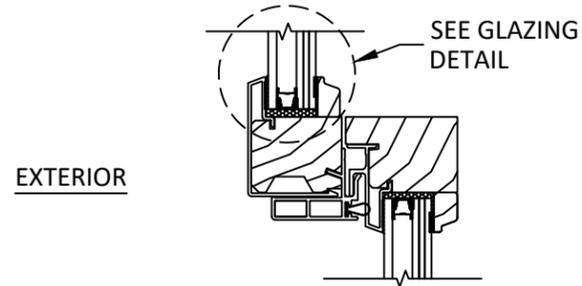


HERMES F. NORERO, P.E.
 FLORIDA P.E. No 73778
 BUILDING DROPS, INC
 398 E. DANIA BEACH BLVD. # 338
 DANIA BEACH, FL 33004
 FBPE CERT. OF AUTHORIZATION No. 29578

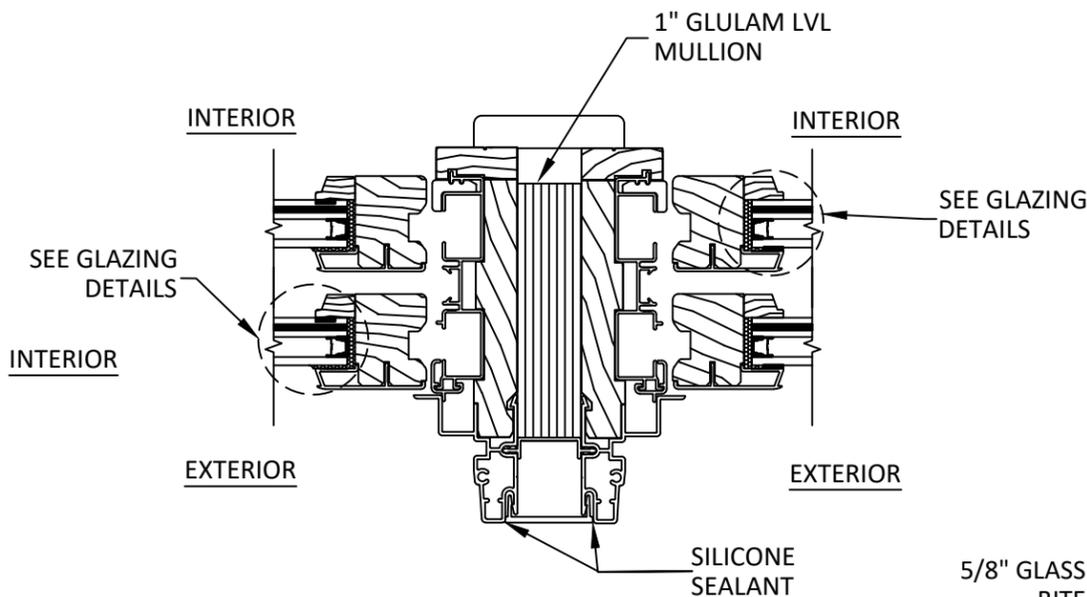
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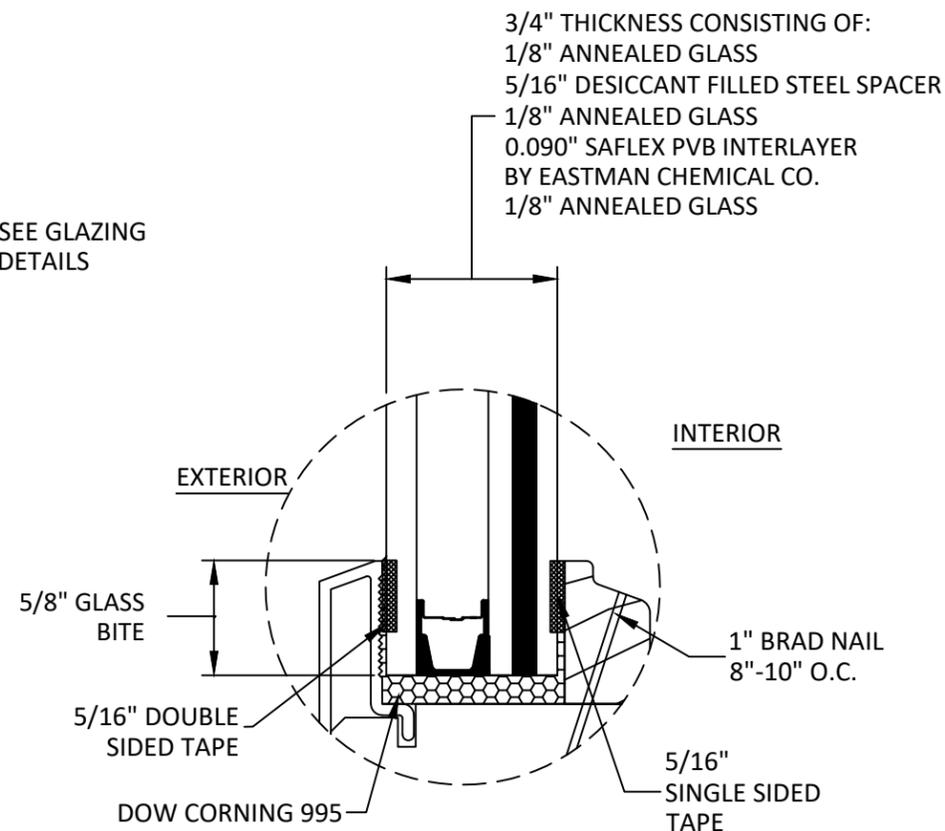
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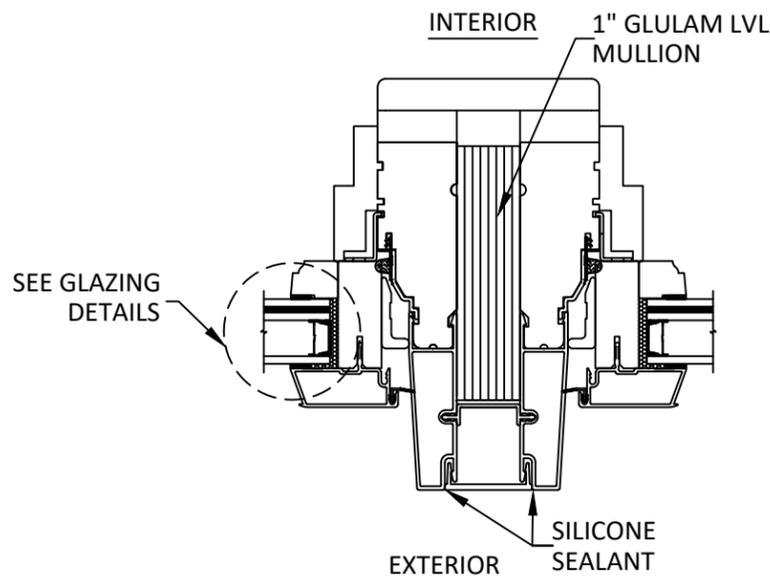
P
7 VERTICAL SECTION
MEETING RAIL



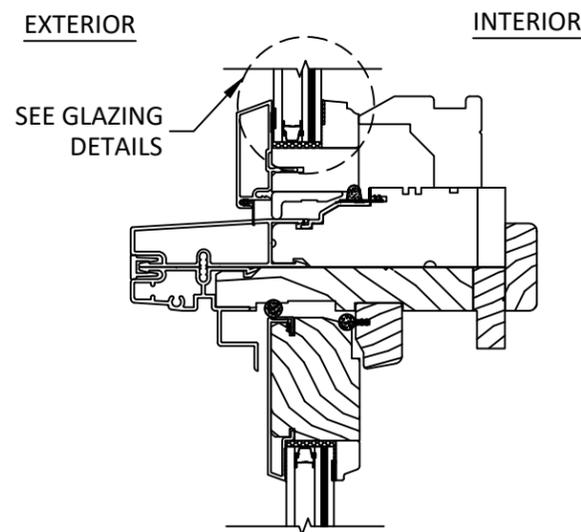
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7 VERTICAL MULLION
DUAL DOUBLE HUNG MULL



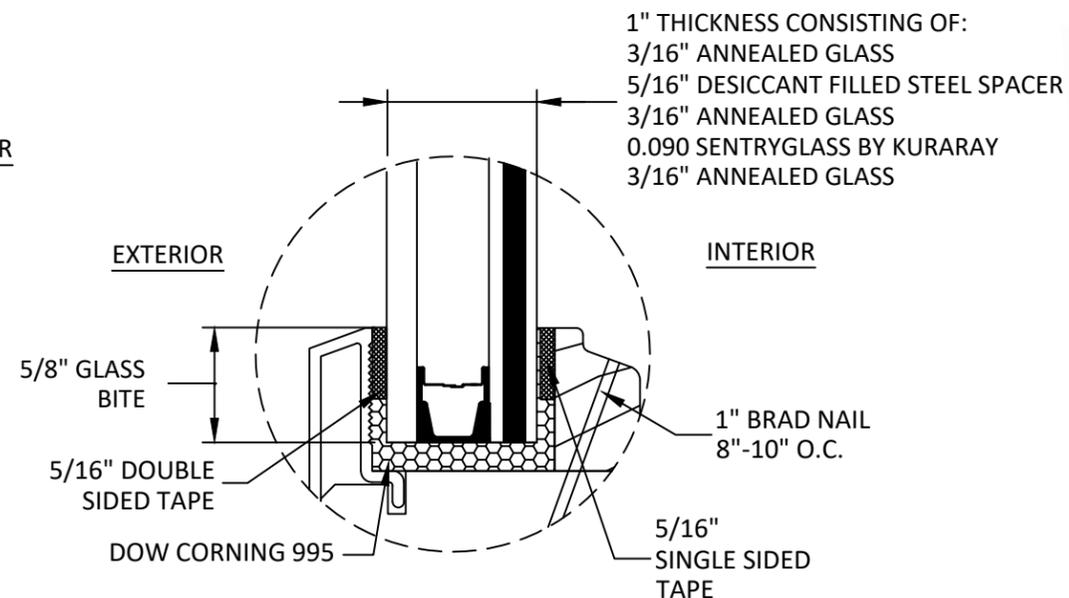
**GLAZING DETAIL
DOUBLE HUNG**



Q
7 VERTICAL MULLION
DUAL TRANSOM MULL



S
7 HORIZONTAL MULLION
TRANSOM TO DH OP.



**GLAZING DETAIL
TRANSOM**

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



**WINDSOR WINDOWS
& DOORS**
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 GLAZING DETAIL,
 MEETING RAIL & MULLIONS.

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FL #:	FL11092
DATE:	06.12.20
DWG. BY:	YC
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SCALE:	NTS
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