

6/9/2020 11:35 AM

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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 INSTALLATION:** FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2" MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. **THROUGH FRAME INSTALLATION:** FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/16" DIAMETER ITW TAPCONS, ELCO ULTRACONS, ELCO CRETE-FLEX OR HILTI KWIK-CON II OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4" MINIMUM EMBEDMENT.
7. **THROUGH FRAME INSTALLATION :** 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. **NAIL FIN:** FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2" MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
9. **NAIL FIN:** 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.
10. **CLIP INSTALLATION:** FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2" MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
11. **CLIP INSTALLATION:** FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/16" DIAMETER ITW TAPCONS, ELCO ULTRACONS, ELCO CRETE-FLEX OR HILTI KWIK-CON II OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4" MINIMUM EMBEDMENT.
12. **CLIP INSTALLATION :** 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.
13. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
14. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
15. 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.
16. 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.

SHWINCO ARCHITECTURAL

PRODUCTS, LLC

SERIES 9070 FIXED WINDOW

(NON-IMPACT)

17. 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.S2/A440-11
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 MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 7 FOR GLAZING DETAILS.
8. WATER PROOFING SHALL BE THE RESPONSIBILITY OF THE INSTALLER. FOR BEST PRACTICE, PLEASE REVIEW FMA/AAMA/WDMA INSTALLATION DOCUMENTS.

TABLE OF CONTENTS		
SHEET	REVISION	SECTION DESCRIPTION
1	-	INSTALLATION AND GENERAL NOTES
2	-	ELEVATION AND ANCHOR LAYOUTS
3	-	VERTICAL SECTIONS (THROUGH FRAME INSTALLATION)
4	-	VERTICAL SECTIONS(NAIL FIN INSTALLATION)
5	-	HORIZONTAL SECTION (THROUGH FRAME INSTALLATION)
6	-	HORIZONTAL SECTIONS(NAIL FIN INSTALLATION)
7	-	GLAZING DETAILS & BILL OF MATERIALS

DESIGN PRESSURE					
MAX. OVERALL SIZE		MAX D.L.O SIZE		DESIGN PRESSURE	MISSILE IMPACT RATED
WIDTH	HEIGHT	WIDTH	HEIGHT		
72.00"	72.00"	67.00"	67.00"	+90/-90 PSF	NON-IMPACT
102.00"	68.00"	98.00"	63.00"	+150/-150 PSF	



171 PEMCO DRIVE
DOTHAN, AL 36303
PH: 850-271-8900 FX: 850-271-3050

TITLE: 9070 SERIES FIXED WINDOW (NON-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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WEB: www.buildingdrops.com



REMARKS	BY	DATE

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Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2020.06.15 18:30:32 -04'00'



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DATE: **04.06.2019**

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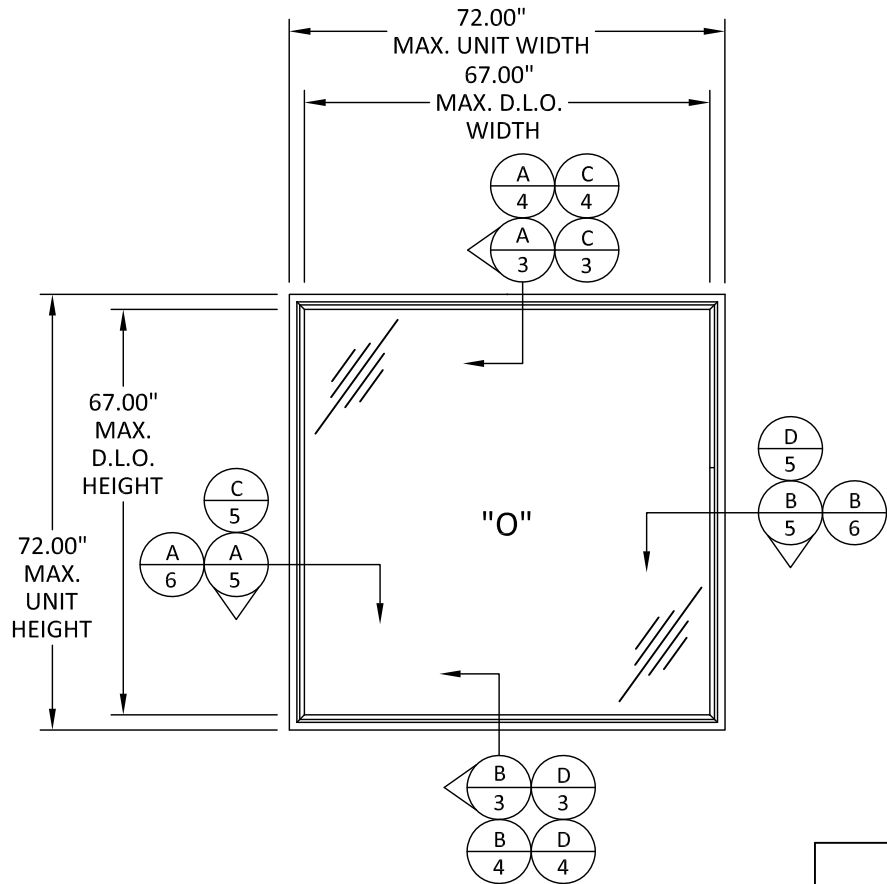
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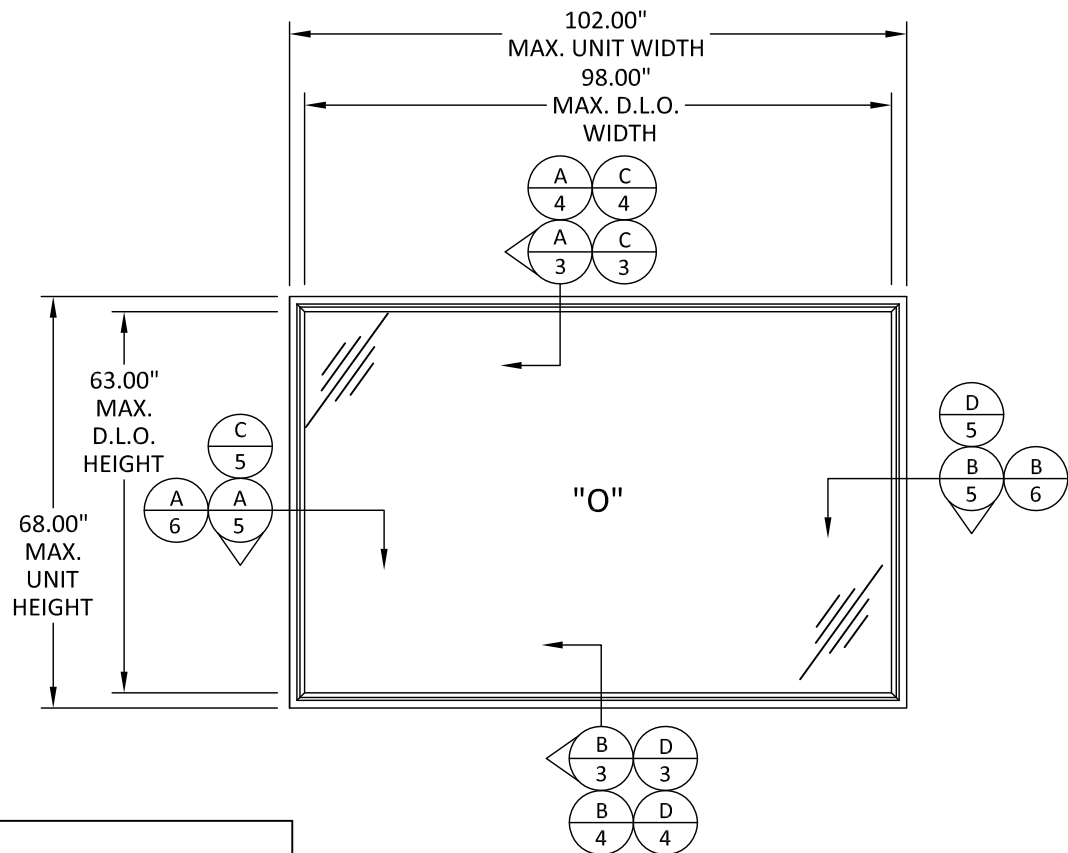
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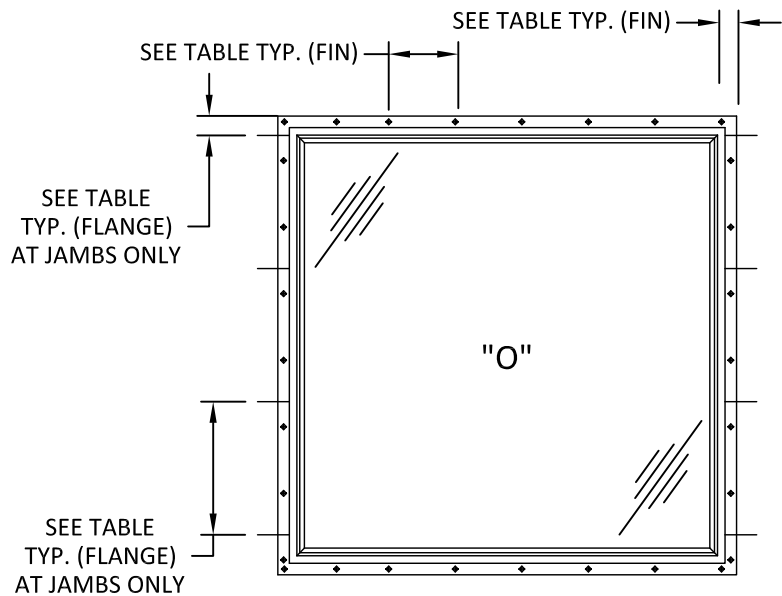


ELEVATION
72" X 72" FIXED WINDOW

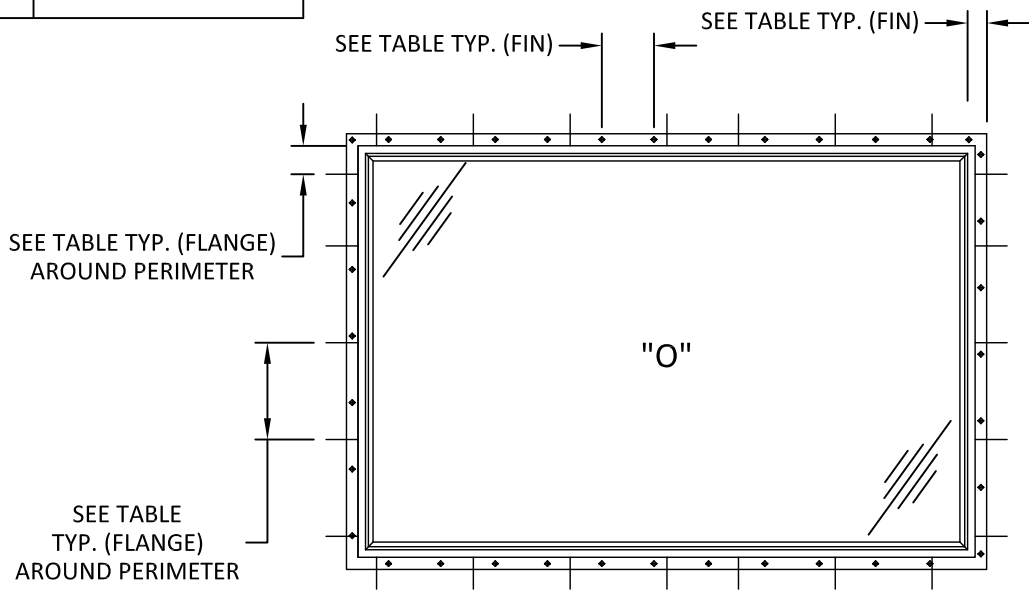


ELEVATION
102" X 68" FIXED WINDOW

TABLE 1 ANCHOR SCHEDULE				
	SIZE	FROM CORNER DIST.	MAX. O.C. (FIN)	MAX. O.C. (THRU FRAME/ CLIP INSTALLATION)
FIXED WINDOW	102.0" x 68.0"	FIN: 2.00" THRU FRAME: 3.50"	HEAD/SILL: 4" JAMB: 4"	HEAD/SILL: 3.5" JAMB: 3.5"
FIXED WINDOW	72" x 72"	FIN: 2.00" THRU FRAME: 3"	HEAD/SILL: 4.00" JAMB: 4.00"	HEAD: 5.50" JAMB: 5.50"



ANCHOR LAYOUT
NAILFIN OR THROUGH FRAME INSTALLATION



ANCHOR LAYOUT
NAILFIN OR THROUGH FRAME INSTALLATION



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ELEVATION AND
ANCHOR LAYOUT

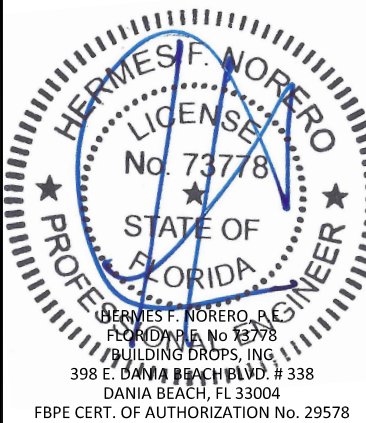
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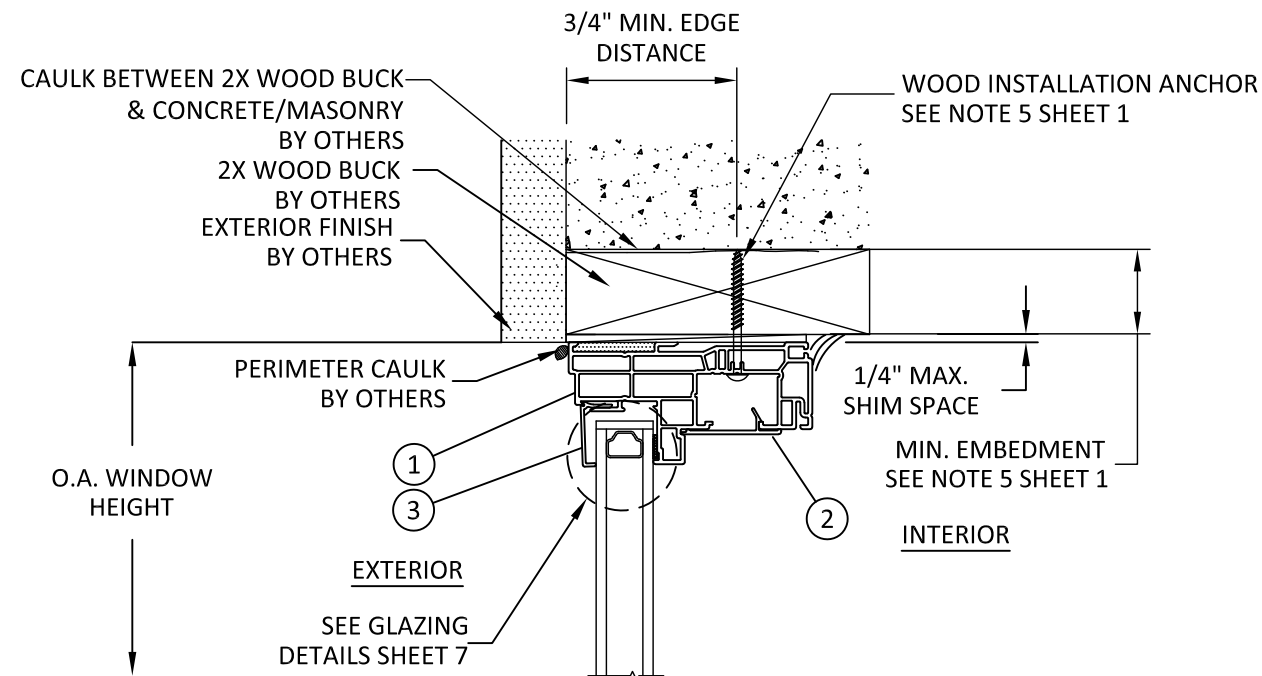
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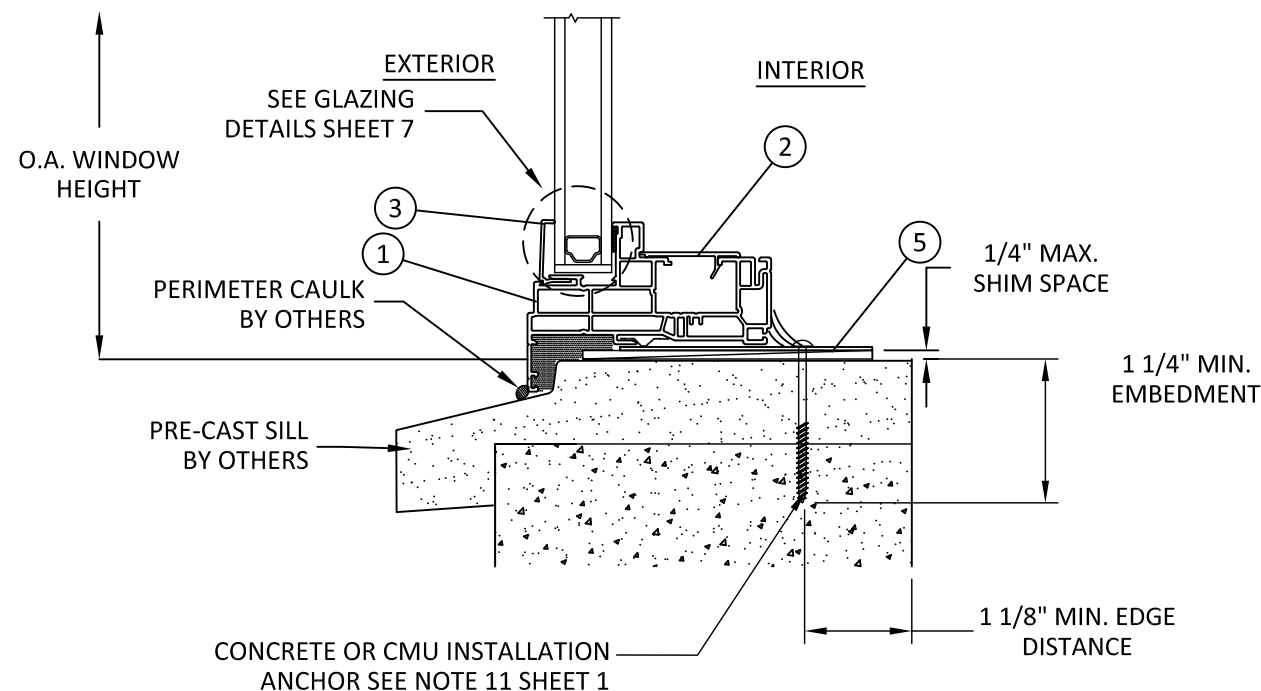
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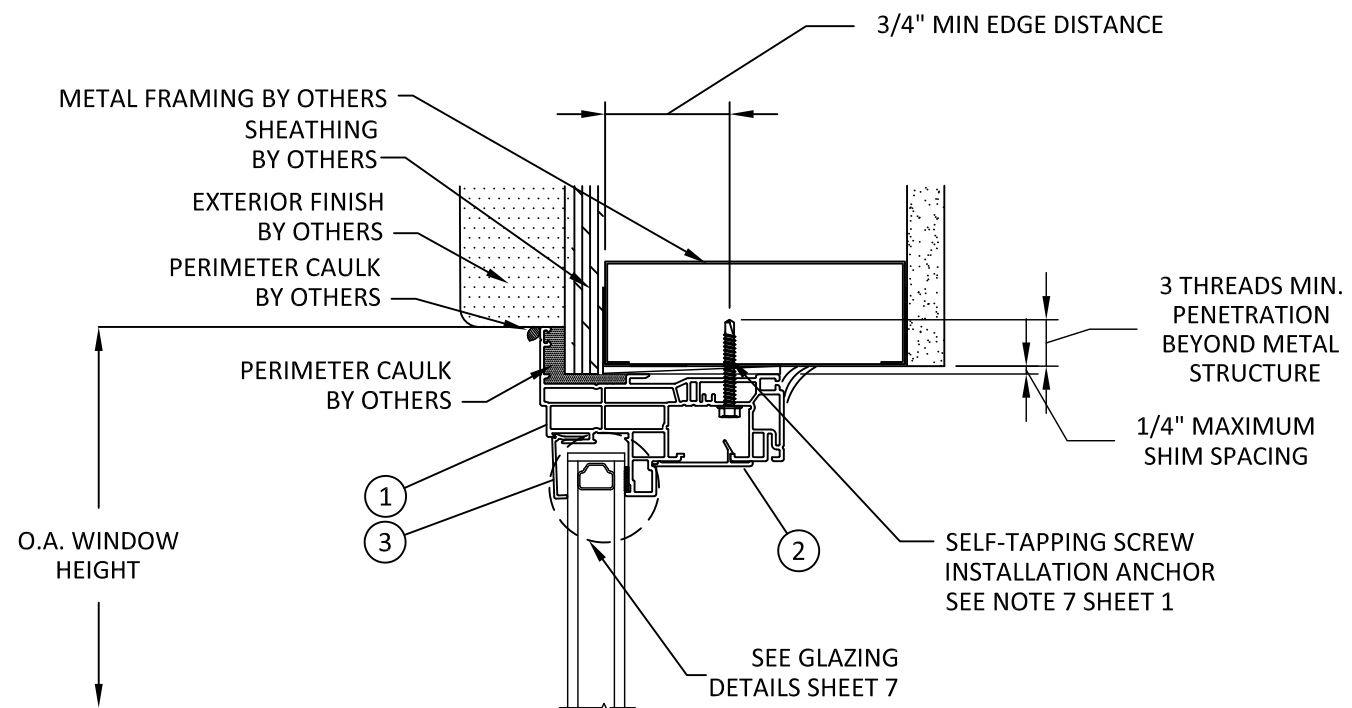
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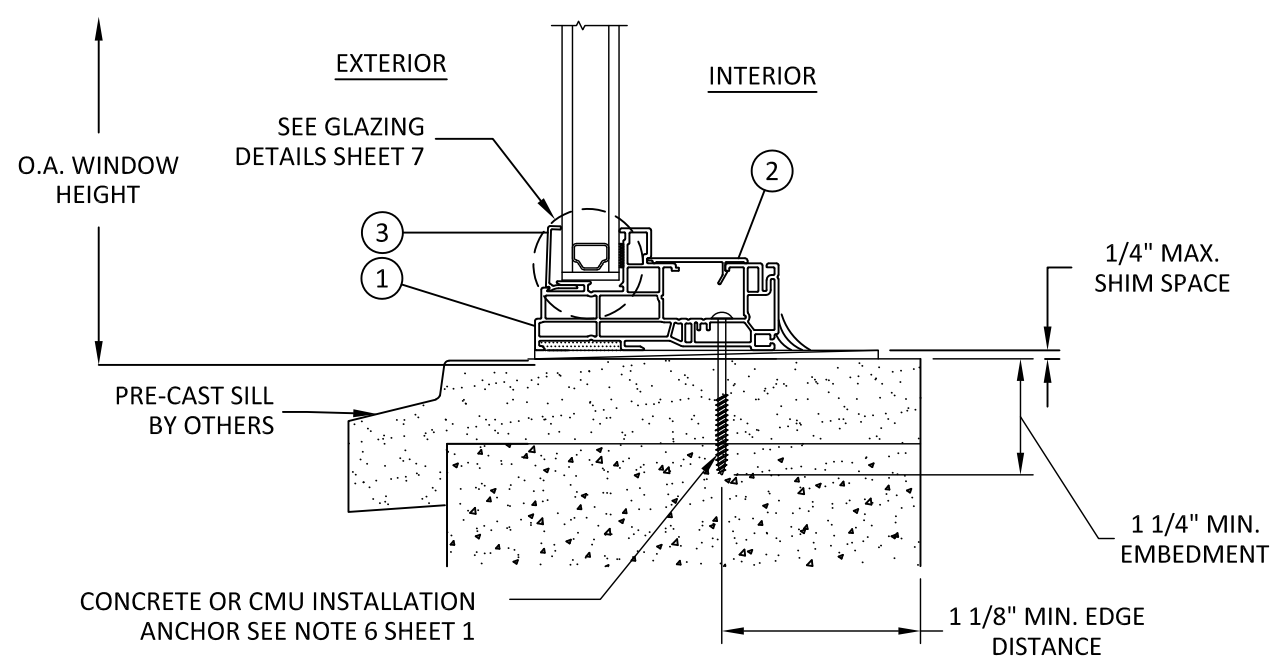
A
3 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
THROUGH FRAME INSTALLATION (REPLACEMENT)



B
3 **VERTICAL SECTION**
PRE-CAST SILL - CONCRETE/MASONRY
CLIP INSTALLATION



C
3 **VERTICAL SECTION**
HEAD - METAL STUD FRAME
THROUGH FRAME INSTALLATION (FLANGE)



D
3 **VERTICAL SECTION**
PRE-CAST SILL - CONCRETE/MASONRY
THROUGH FRAME INSTALLATION (REPLECEMENT)



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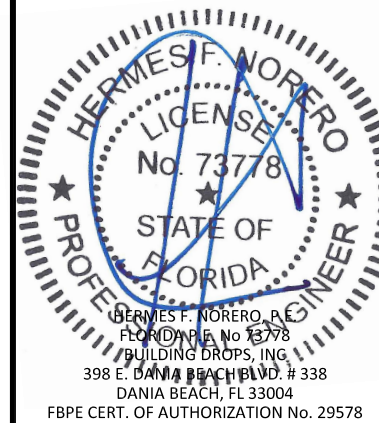
VERTICAL SECTION

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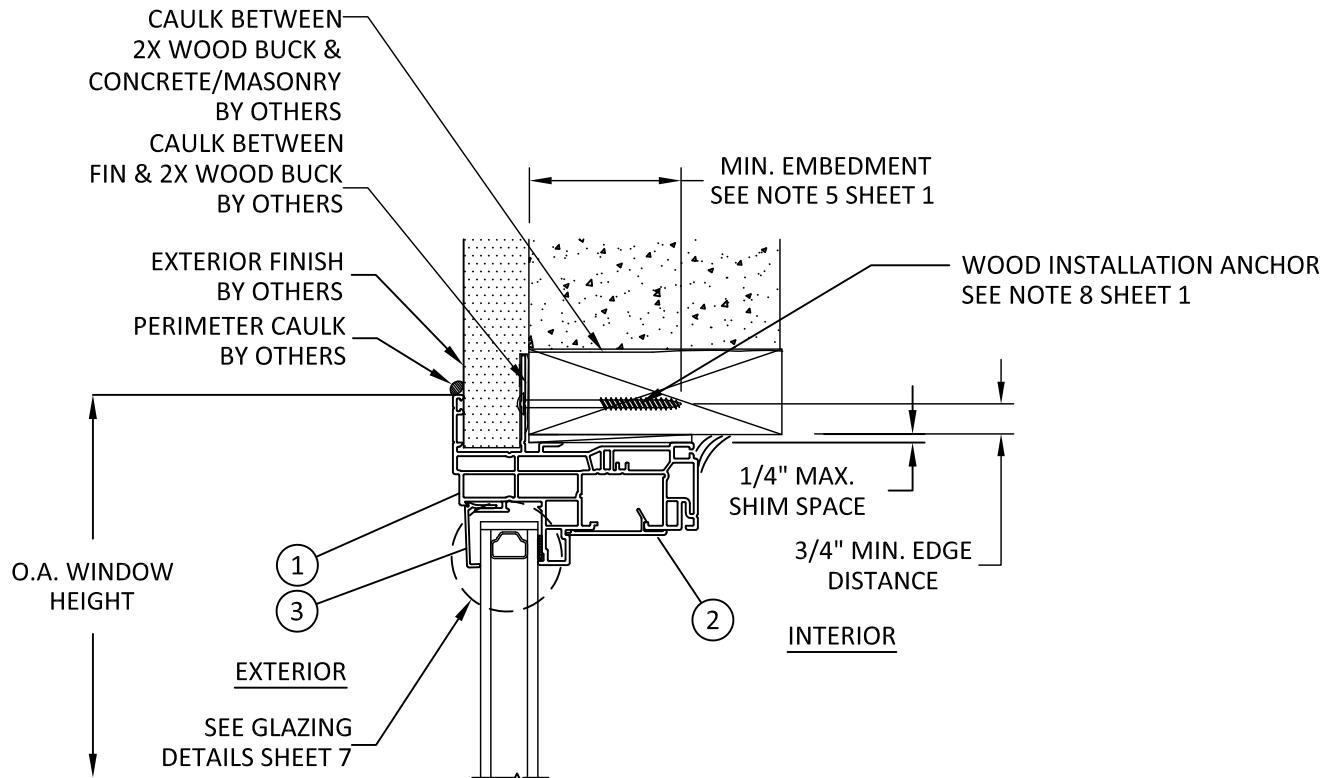
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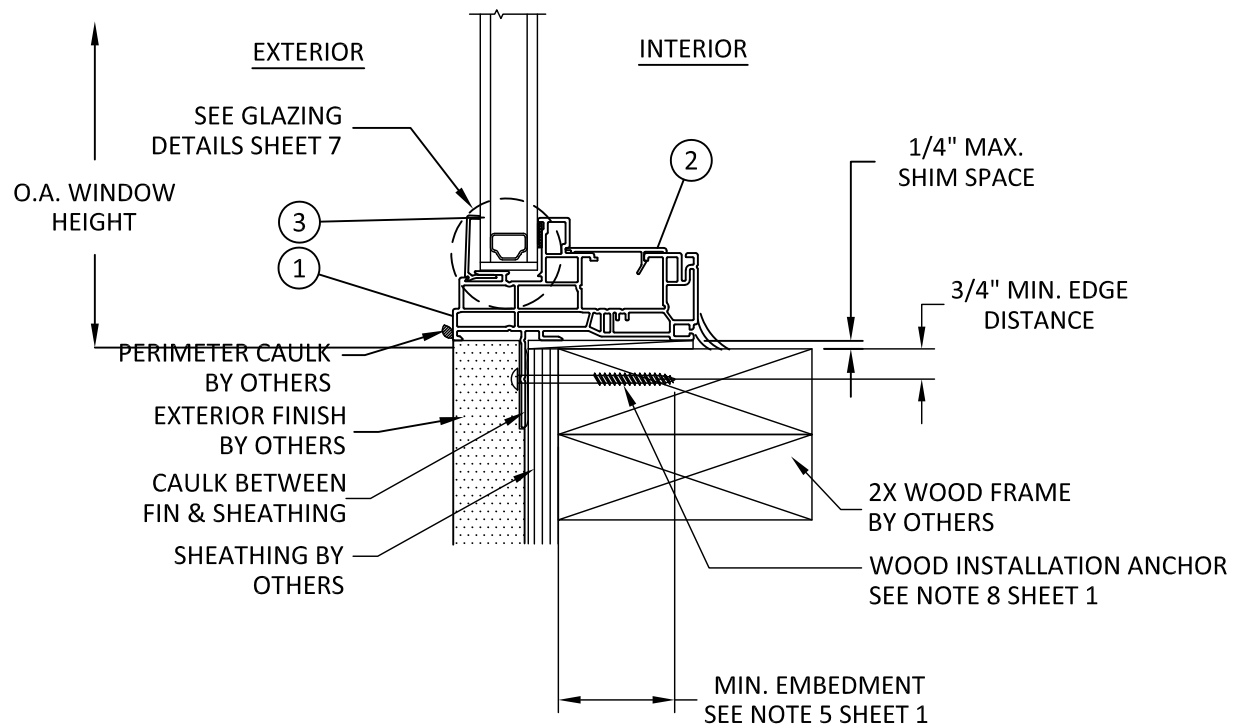
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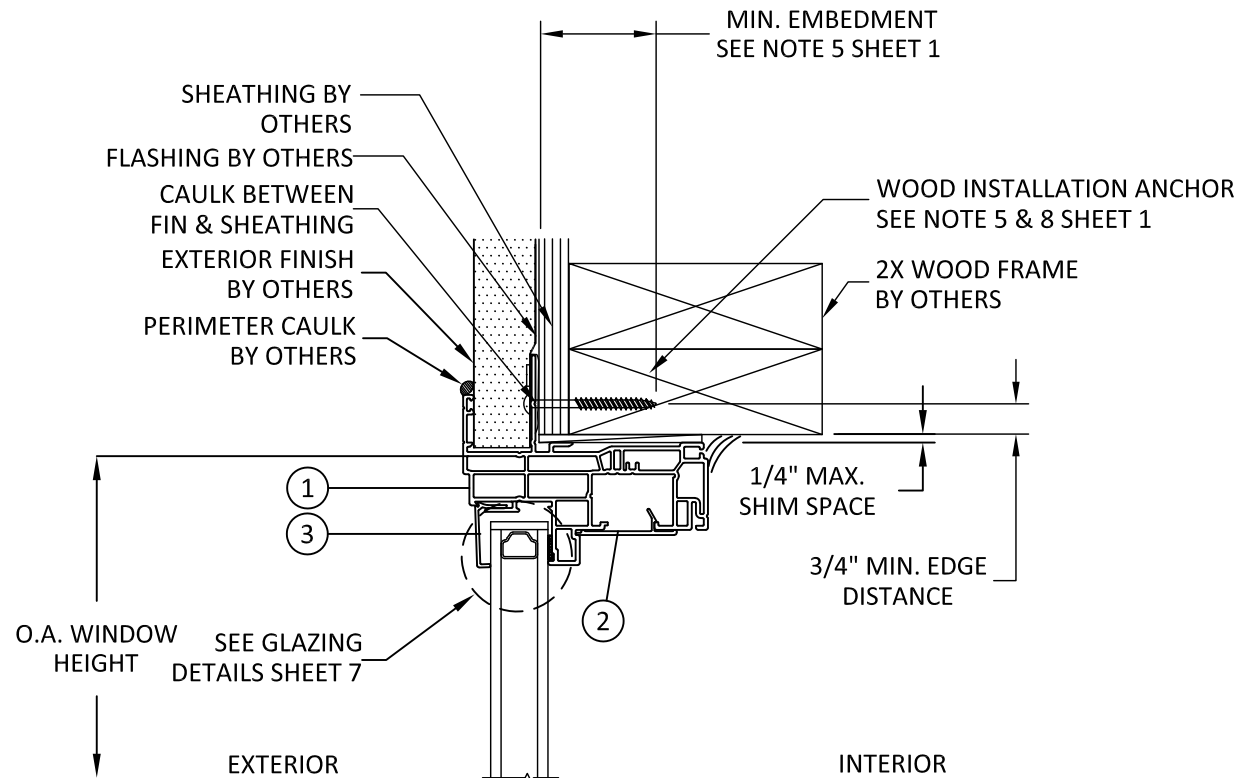
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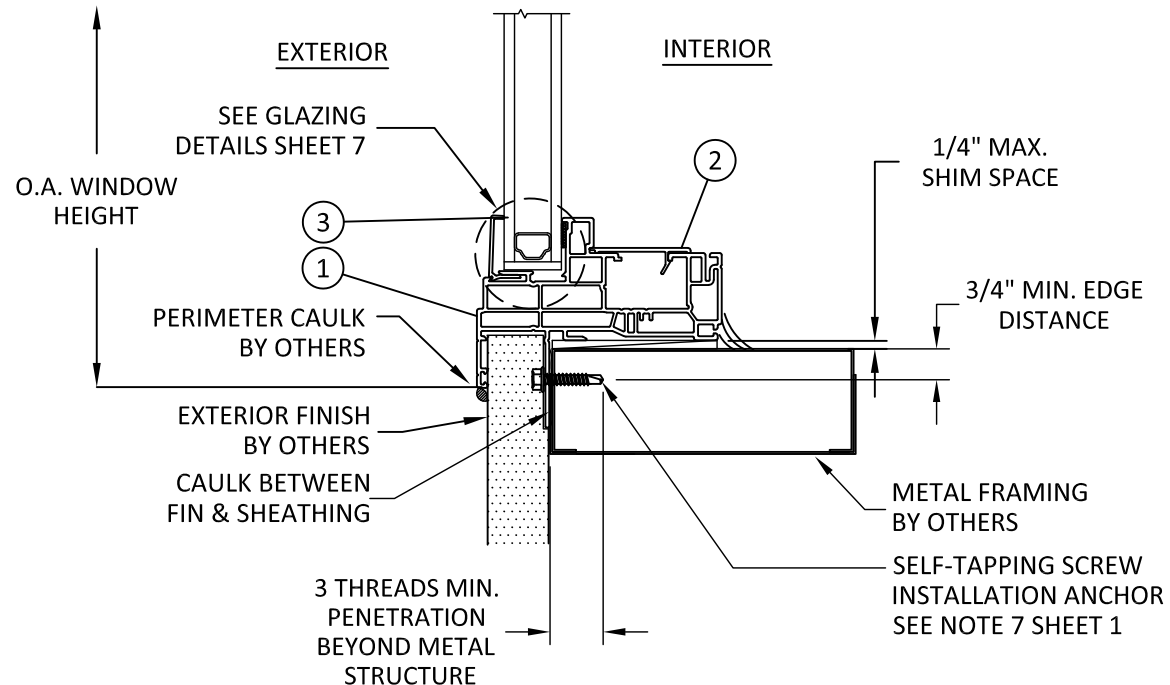
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4 **VERTICAL SECTION**
HEAD - 2X WOOD FRAME
NAILFIN INSTALLATION (FLANGE)



B
4 **VERTICAL SECTION**
SILL - 2X WOOD FRAME
NAILFIN INSTALLATION (NON-FLANGE)



C
3 **VERTICAL SECTION**
HEAD - 2X WOOD FRAME
NAIL FIN INSTALLATION (FLANGE)



D
4 **VERTICAL SECTION**
SILL - METAL STUD FRAME
NAILFIN INSTALLATION (FLANGE)



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(NON-IMPACT)

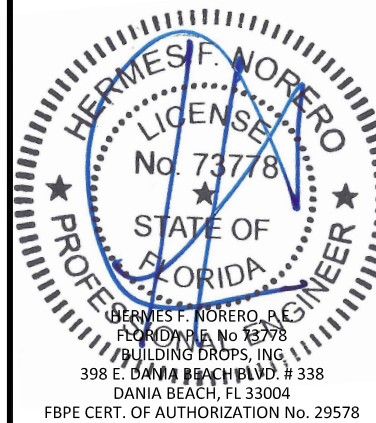
HORIZONTAL SECTIONS

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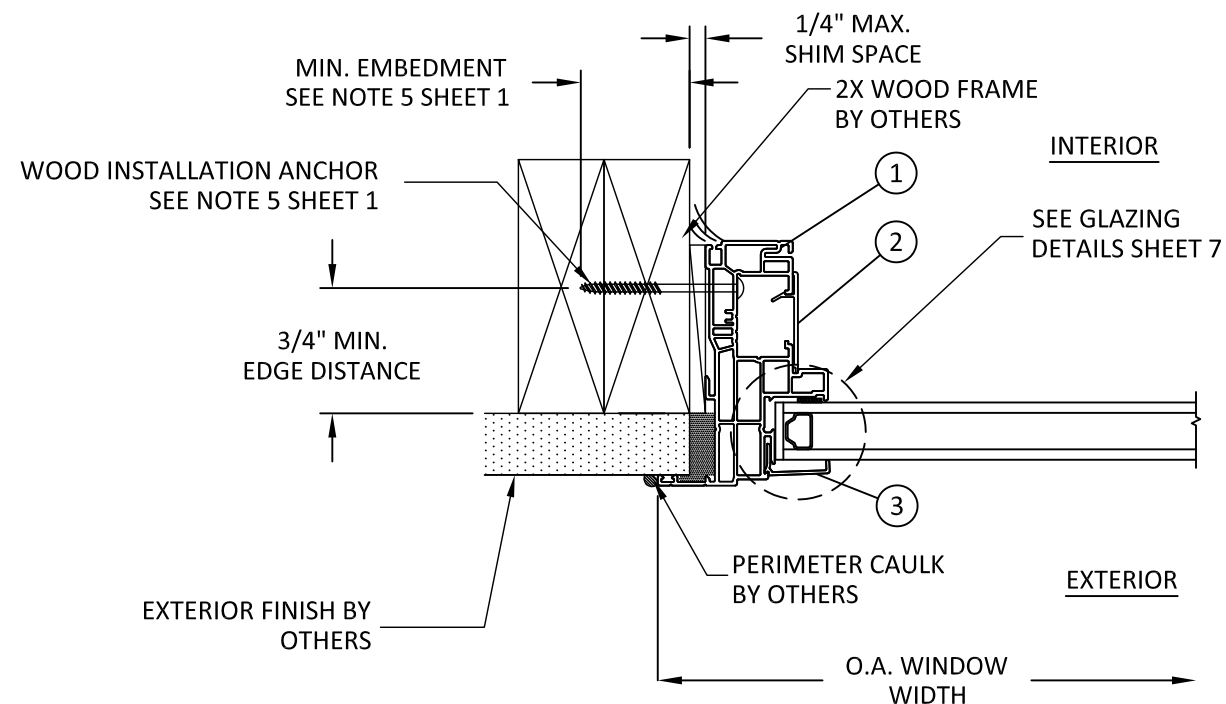


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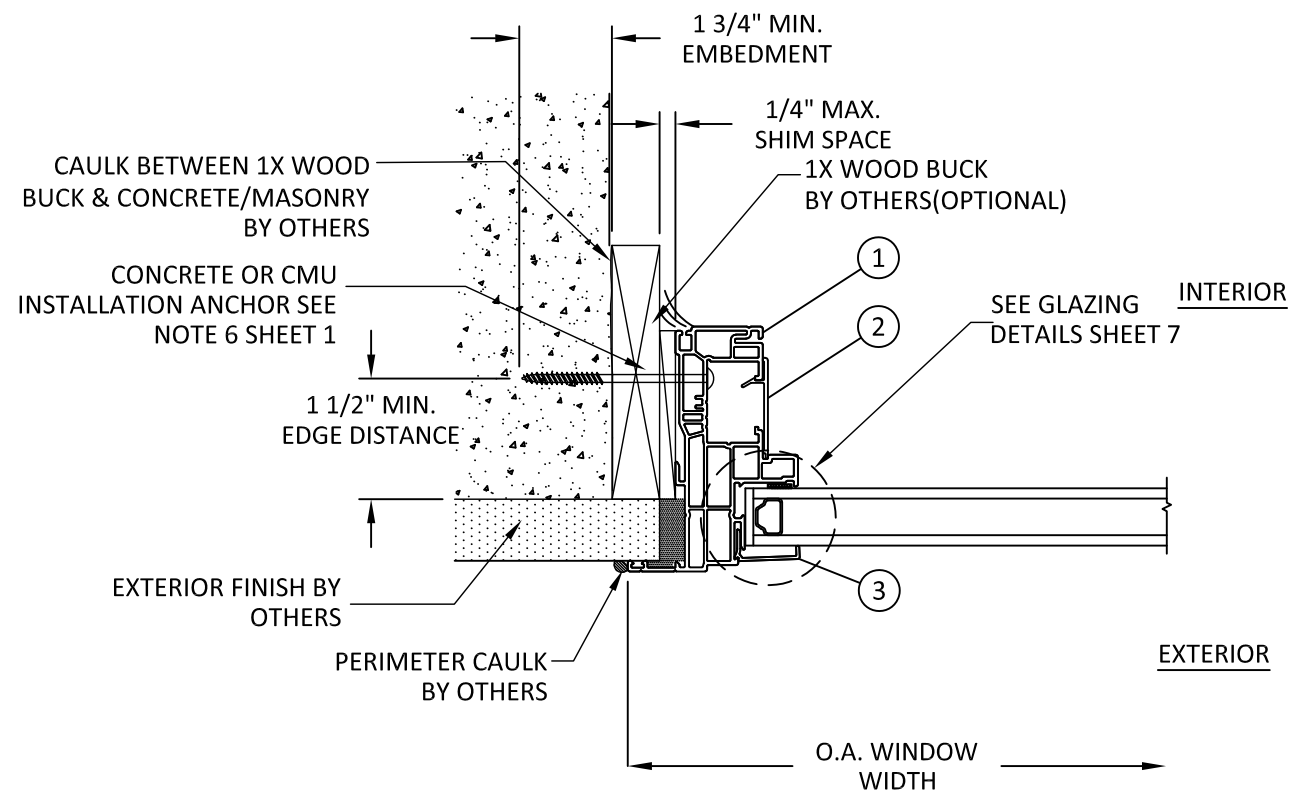
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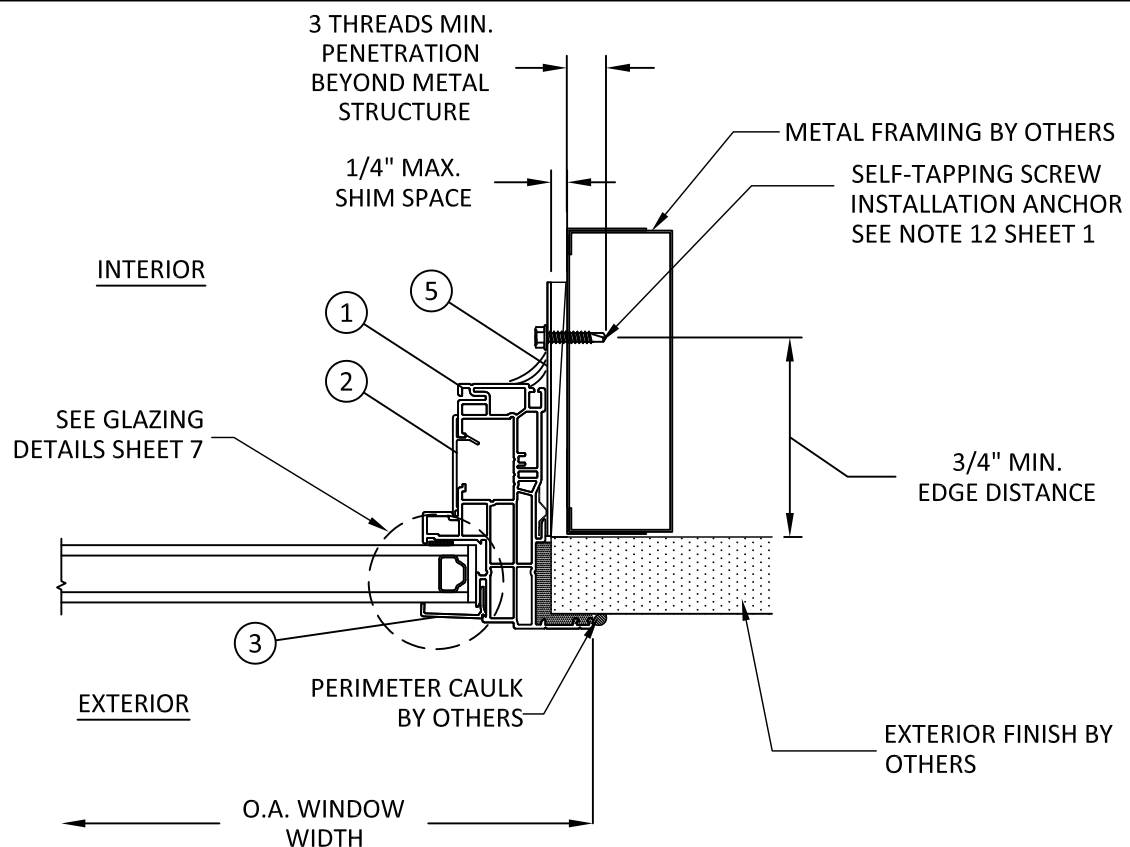
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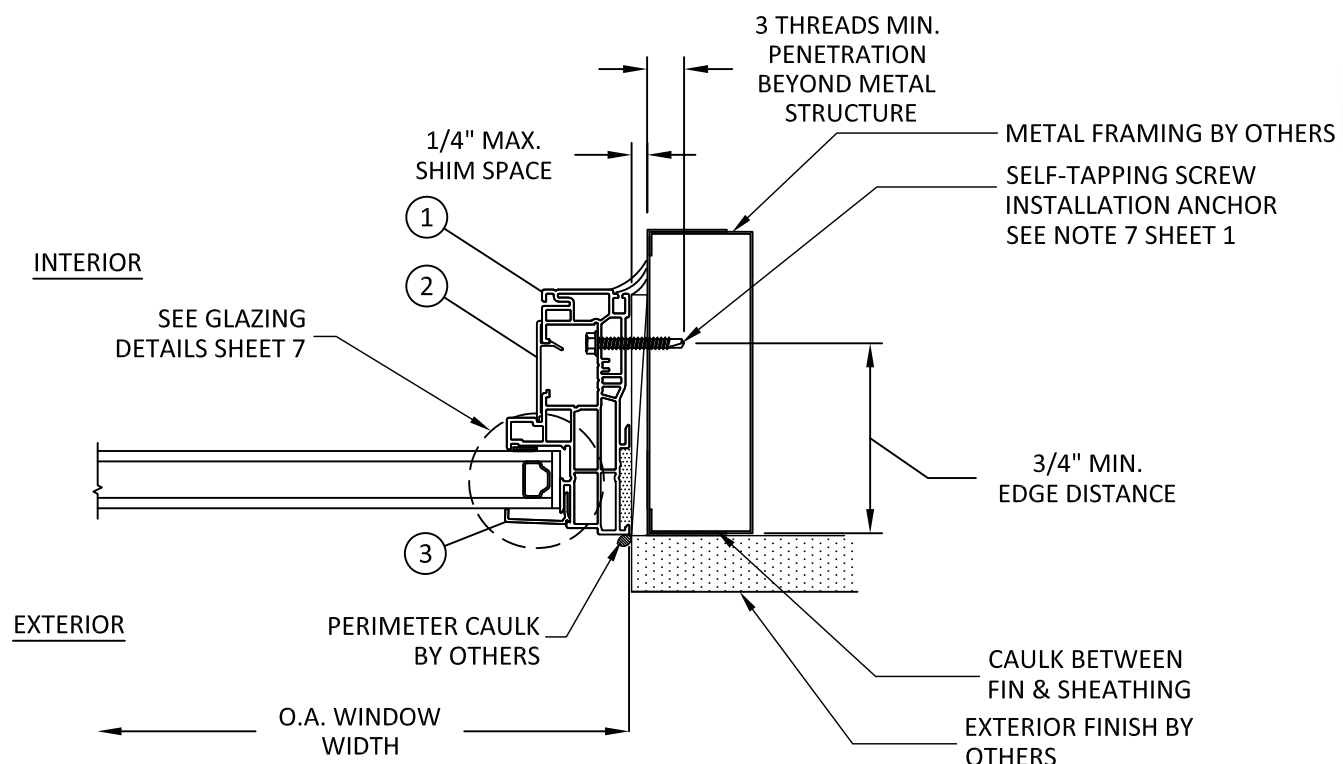
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5 **HORIZONTAL SECTION**
JAMB - 2X WOOD FRAME
THROUGH FAME INSTALLATION (FLANGE)



C
5 **HORIZONTAL SECTION**
JAMB - CONCRETE OR CMU
THROUGH FAME INSTALLATION (FLANGE)



B
5 **HORIZONTAL SECTION**
JAMB - METAL STUD FRAME
CLIP INSTALLATION



D
5 **HORIZONTAL SECTION**
JAMB-METAL STUD
THROUGH FAME INSTALLATION (REPLACEMENT)



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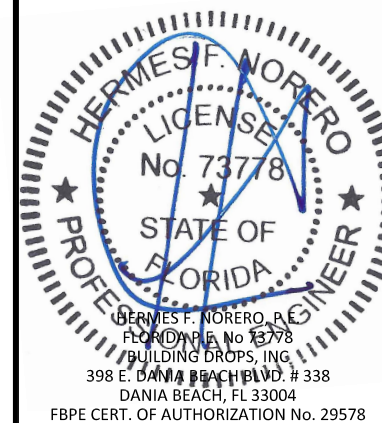
GLAZING DETAILS AND
BILL OF MATERIALS

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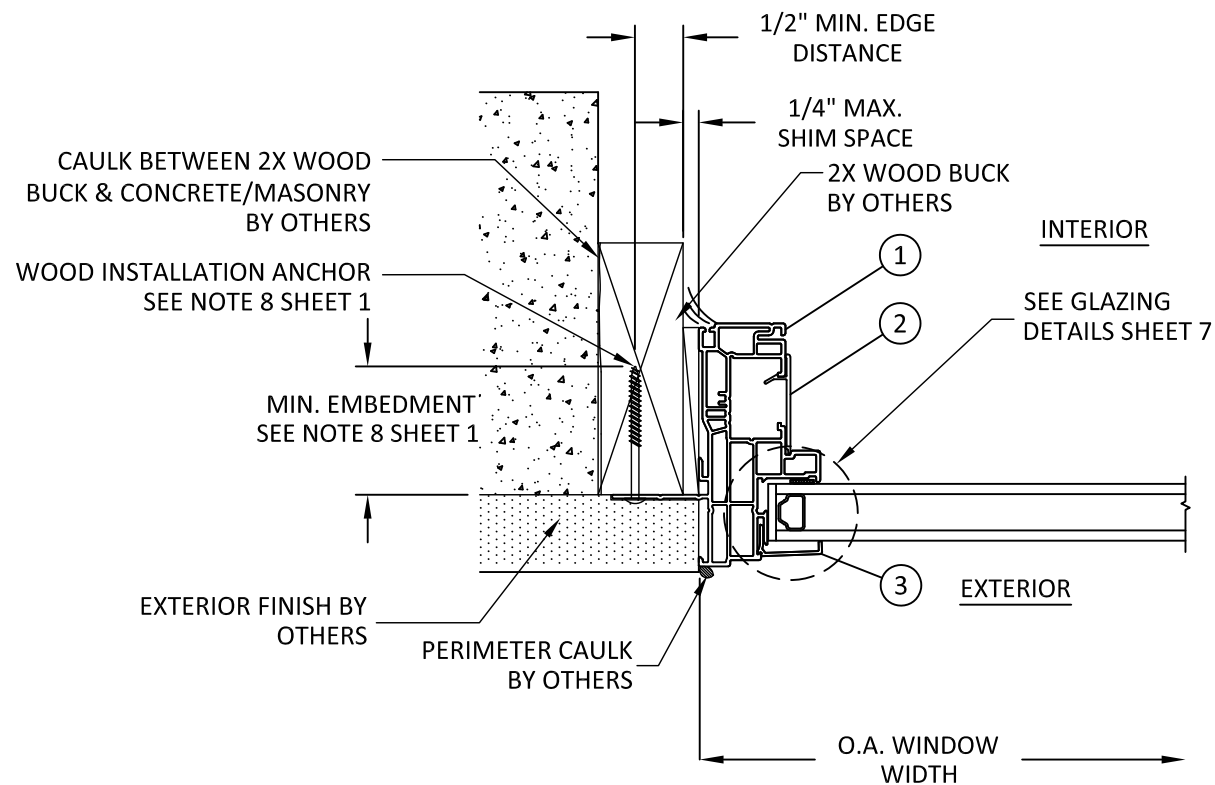
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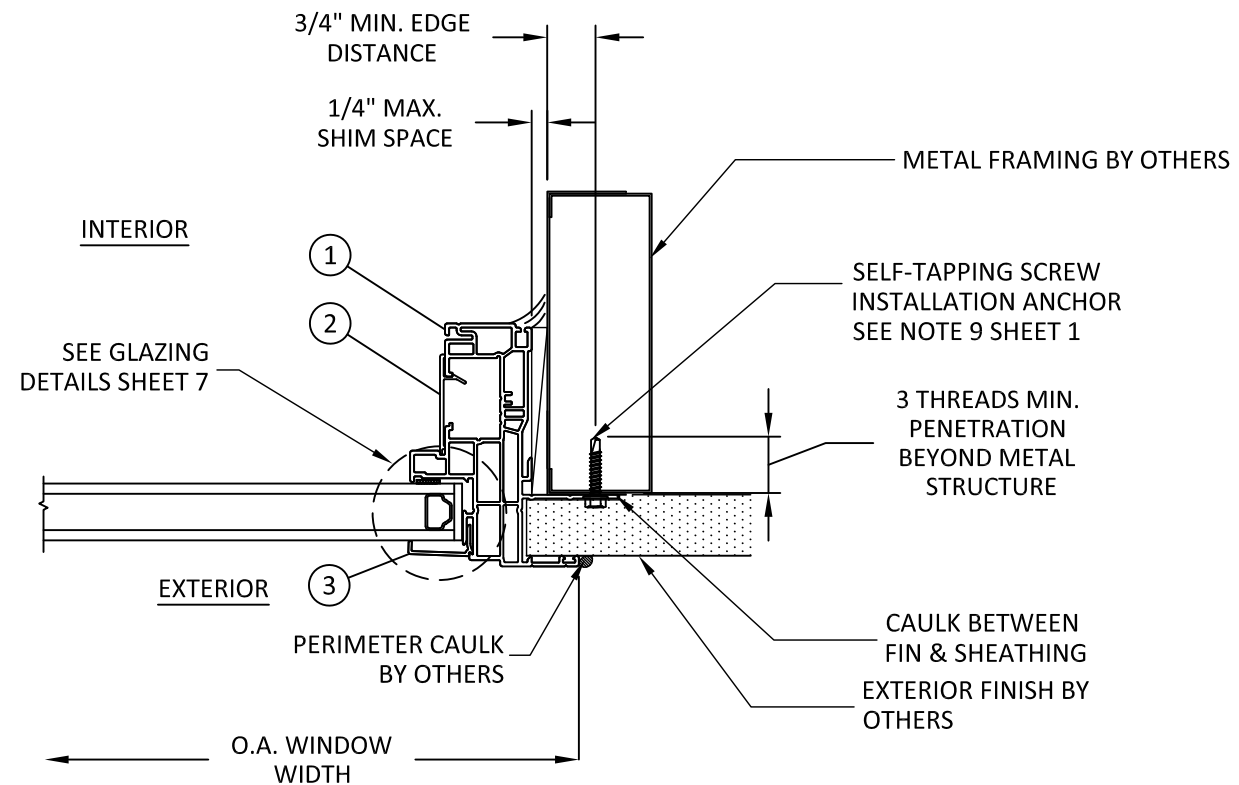
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A
6

HORIZONTAL SECTION

JAMB - 2X WOOD BUCK
NAIL FIN INSTALLATION (NON-FLANGE)



B
6

HORIZONTAL SECTION

JAMB-METAL STUD FRAME
NAIL FIN INSTALLATION



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GLAZING DETAILS AND
BILL OF MATERIALS

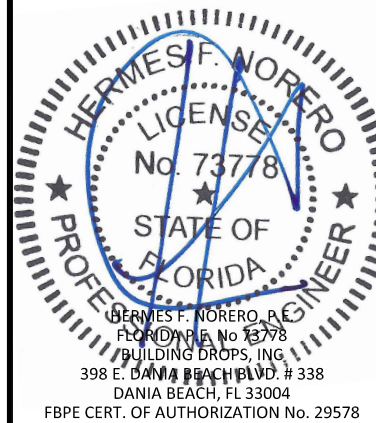
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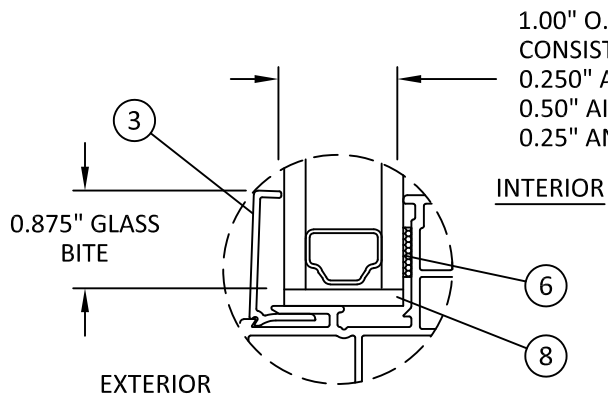
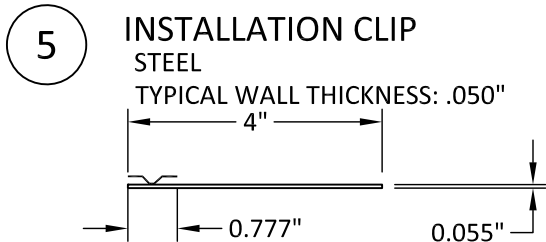
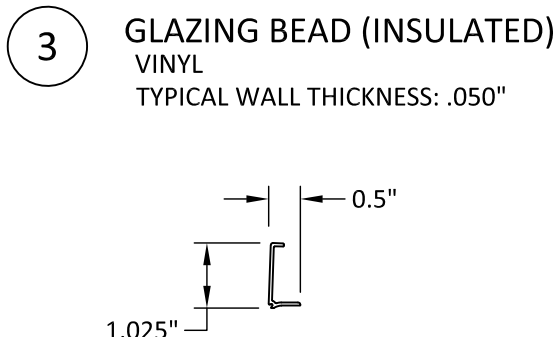
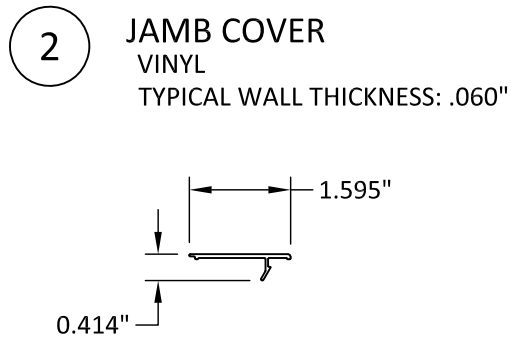
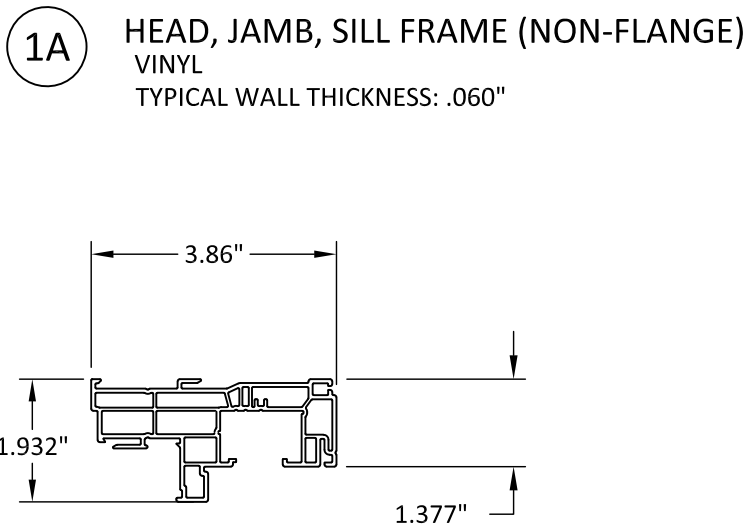
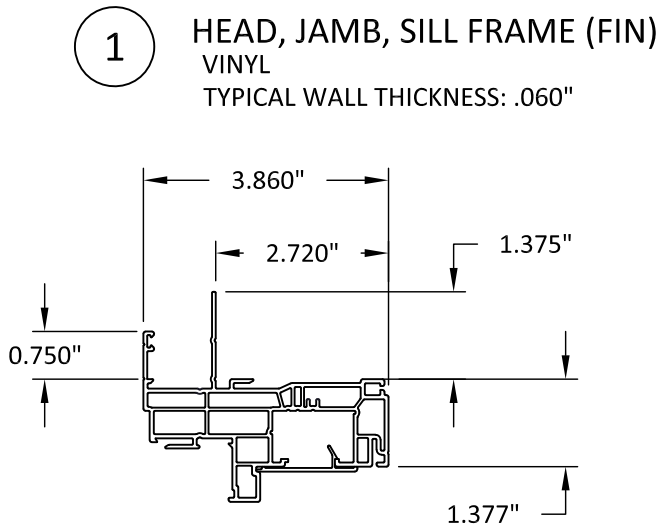
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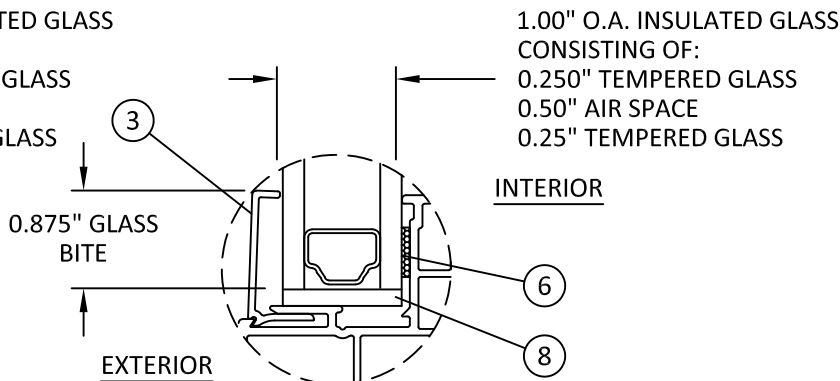
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BILL OF MATERIALS			
ITEM NO.	DESCRIPTION	MATERIAL	MANUFACTURER
1	HEAD, JAMB, SILL FRAME (FIN)	VINYL	VISION EXTRUSIONS LIMITED
1A	HEAD, JAMB, SILL FRAME (FRAME)	VINYL	VISION EXTRUSIONS LIMITED
2	JAMB COVER	VINYL	VISION EXTRUSIONS LIMITED
3	GLAZING BEAD (INSULATED GLASS)	VINYL	VISION EXTRUSIONS LIMITED
5	INSTALLATION CLIP	STEEL	-
6	GLASS BEDDING-DOW1199	SILICONE	DOW CORNING
7	GLASS BEDDING- NOVAGUARD M-100	SILICONE	NOVAGUARD
8	SPACER		DURA-SEAL

NOTE:
ALL PVC EXTRUSIONS ARE CERTIFIED UNDER MIAMI DADE NOA 06-0705.03



GLAZING DETAIL A



GLAZING DETAIL B

- NOTE:
- ALL GLAZING CONFIGURATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN CURRENT FBC AND ASTM E 1300 GLASS CHART REQUIREMENTS.
 - SETTING BLOCK SHOULD BE 70-90 DUROMETER AS PER CH 24 OF THE CURRENT FBC.
 - GLASS LITES THAT EXCEED 36" IN WIDTH SHALL USE SETTING BLOCKS AT 1/4 SPAN FROM CORNERS.
 - TEMPERED GLASS ON SACRIFICIAL LITE SHALL BE USE ON APPLICATIONS OF 30 FEET ABOVE GRADE.



171 PEMCO DRIVE
DOTHAN, AL 36303
PH: 850-271-8900 FX: 850-271-3050

TITLE: 9070 SERIES FIXED WINDOW
(NON-IMPACT)

GLAZING DETAILS AND
BILL OF MATERIALS

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

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 #: **FL**

DATE: **04.06.2019**

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

SCALE: **NTS**

DWG. #: **SWD052**

SHEET: **7**