

PLY GEM WINDOWS - *1570 SERIES PICTURE & FIXED SPECIALTY WINDOW (NON-IMPACT)*

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 $\pm 1/2$ INCH 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. FIN INSTALLATION: FOR INSTALLATION INTO WOOD FRAMING USE #8 WOOD SCREWS OR 11 GAUGE ROOFING NAILS OR 10d COMMON NAILS OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. FIN INSTALLATION: FOR INSTALLATION INTO METAL STUD USE #8 GRADE 5 SELF-DRILLING OR SELF-TAPPING PH OR HWH SCREWS, OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL WALL.
7. THROUGH FRAME INSTALLATION: FOR INSTALLATION THROUGH IX BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/16 INCH DIAMETER ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1-1/4 INCH MINIMUM EMBEDMENT.
8. THROUGH FRAME INSTALLATION: FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
9. THROUGH FRAME INSTALLATION: FOR INSTALLATION INTO METAL STUD USE #10 GRADE 5 SELF-DRILLING OR SELF-TAPPING PH OR HWH SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL WALL.
10. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
11. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
12. 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.
13. 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.
14. 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 WALL THICKNESS OF 35.9 MIL (0.0478" OR 18 GAUGE). MIN. 1/2" EDGE DISTANCE FOR FINLESS INSTALLATION AND MIN. 3/8" EDGE DISTANCE FOR FIN INSTALLATION.
 - F. ALUMINUM - MINIMUM ALLOY 6063-T5. MINIMUM WALL THICKNESS OF 1/8". MIN. 1/2" EDGE DISTANCE FOR FINLESS INSTALLATION AND MIN. 3/8" EDGE DISTANCE FOR FIN INSTALLATION.

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/1.S.2/A440-II
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL 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.
8. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
 - X: OPERABLE PANEL
 - O: FIXED PANEL

DESIGN PRESSURE TABLE						
PRODUCT MODEL	OVERALL SIZE		GLASS TYPE	DESIGN PRESSURE	INSTALLATION METHOD	MISSILE IMPACT RATING
	WIDTH	HEIGHT				
PI57NCPWI	96"	54"	TYPE 1	+50/-50 PSF	NAIL FIN	NON-IMPACT
	80"	72"	TYPE 2			
PI57RCPWI	96"	54"	TYPE 1	+50/-50 PSF	THROUGH FRAME	
	80"	72"	TYPE 2			

SEE SHEET 4 FOR REQUIRED GLASS TYPE DETAILS

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SECTION	SHEET DESCRIPTION
1	INSTALLATION & GENERAL NOTES
2	ELEVATION & ANCHOR LAYOUTS
3	VERTICAL SECTIONS
4	HORIZONTAL SECTIONS & GLAZING DETAILS

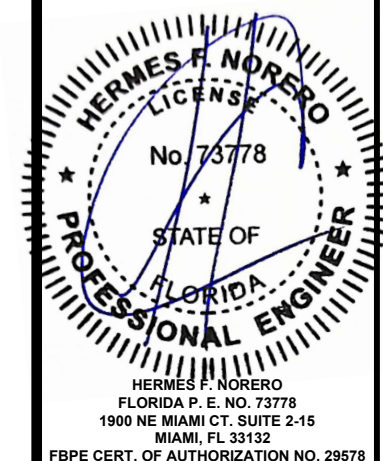
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Reason: I am approving this document
Date: 2025.03.20 16:26:25 -04'00'



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TITLE: 1570 SERIES FIXED SPECIALTY WINDOW (NON-IMP)			
INSTALLATION & GENERAL NOTES			
DATE: 07.16.21	NO.	REVISION DESCRIPTION	BY DATE
DOWN BY: LMH	A	8TH EDITION (2023) FBC	LMH 12.08.23
	B	UPDATED TO CURRENT FBC.	LMH 01.28.25
CHK BY:			
SCALE: NTS			

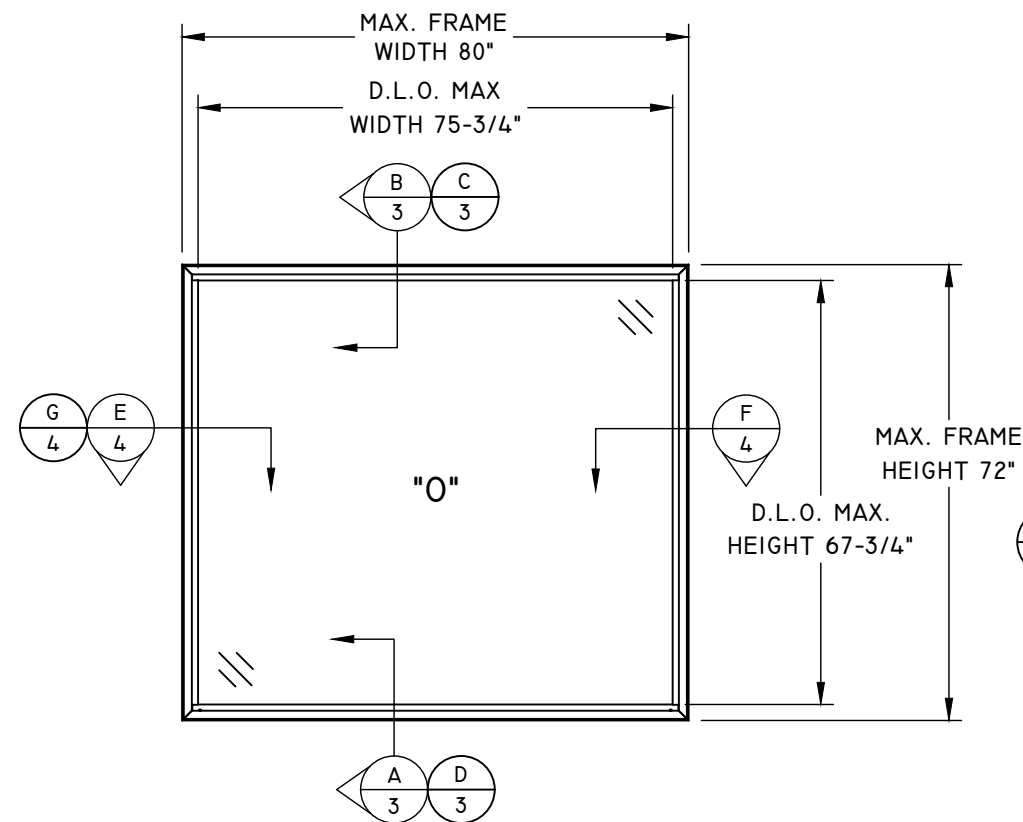


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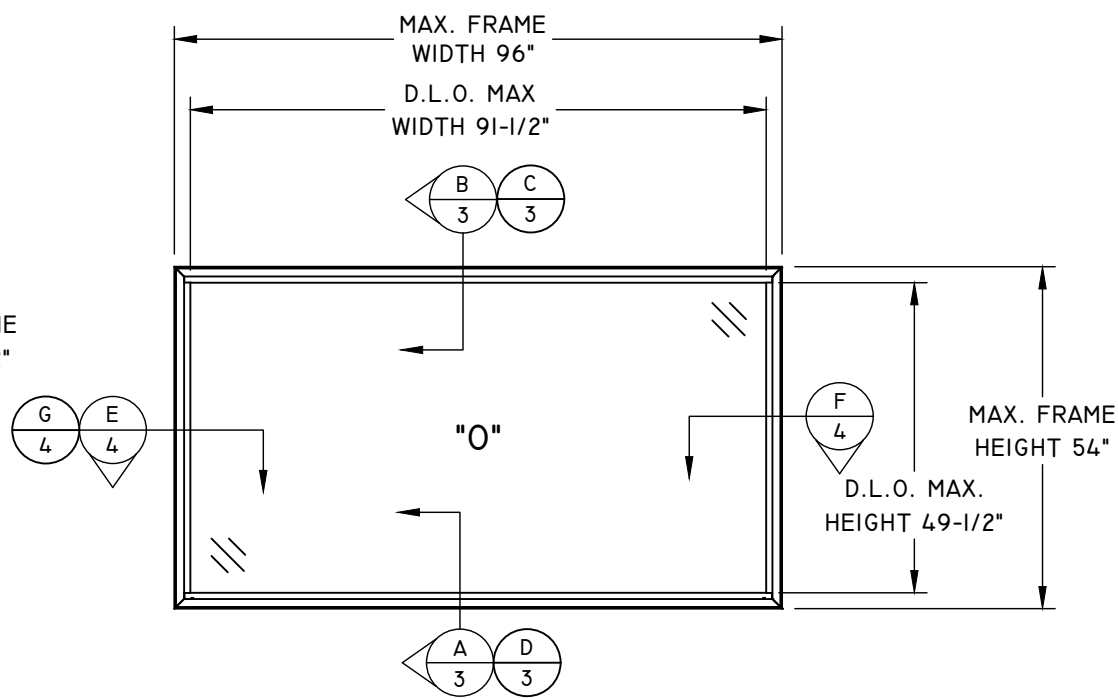
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PGW326

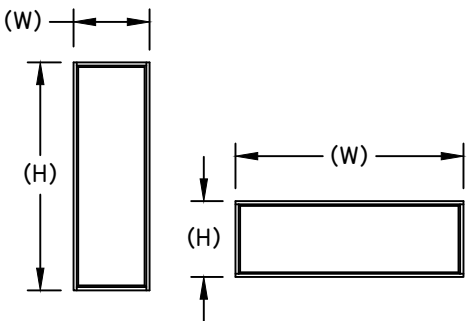
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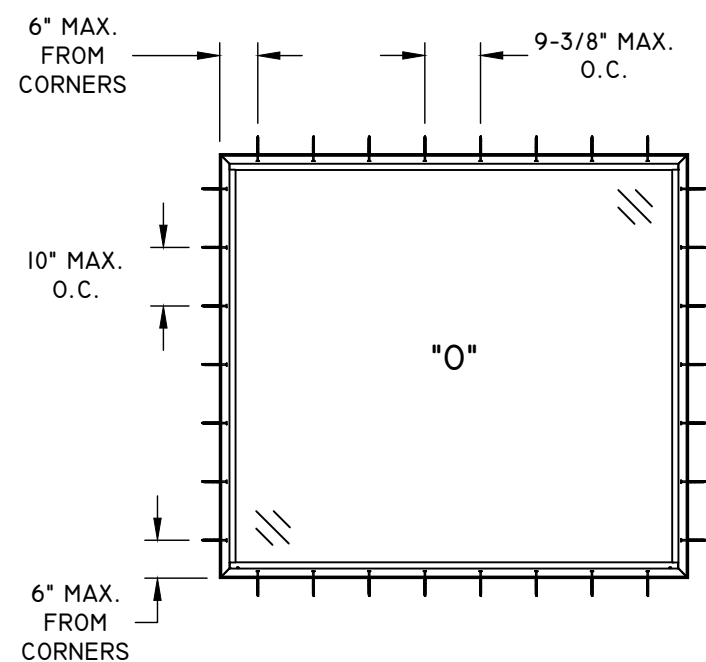
ELEVATION



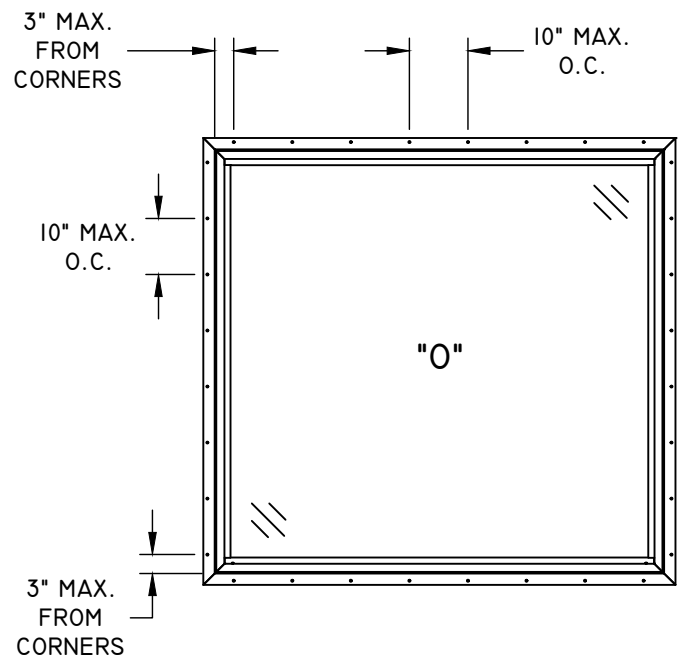
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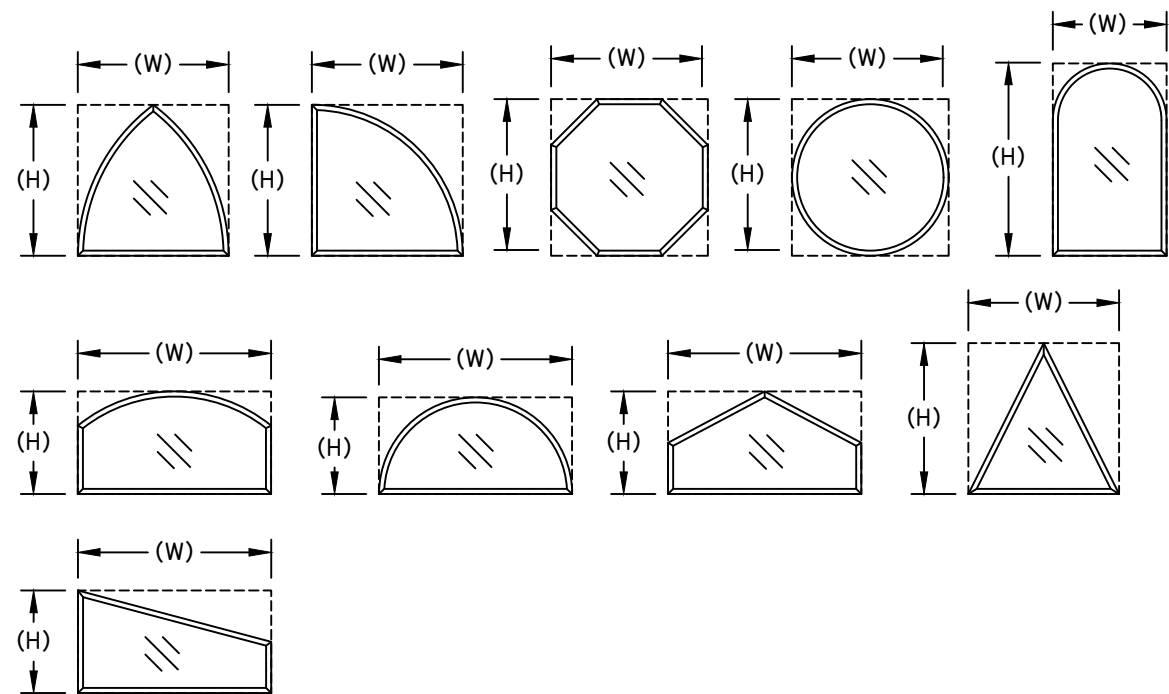
NOTE:
WINDOW WIDTH (W) AND HEIGHT (H) ARE INTERCHANGEABLE FOR ALL SIZES SHOWN HEREIN NOT TO EXCEED MAXIMUM TESTED SQUARE FOOT AREA. ANCHOR SPACING SHALL NOT EXCEED THOSE SHOWN FOR LONG OR SHORT LEG OF UNIT.



ANCHOR LAYOUT
FINLESS



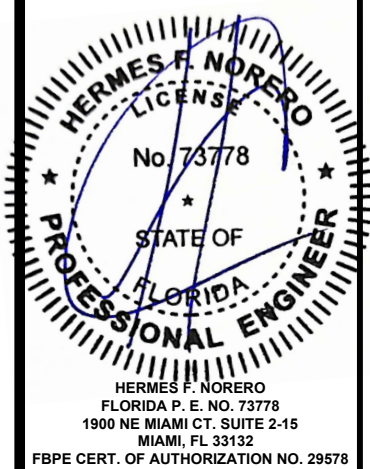
ANCHOR LAYOUT
FIN



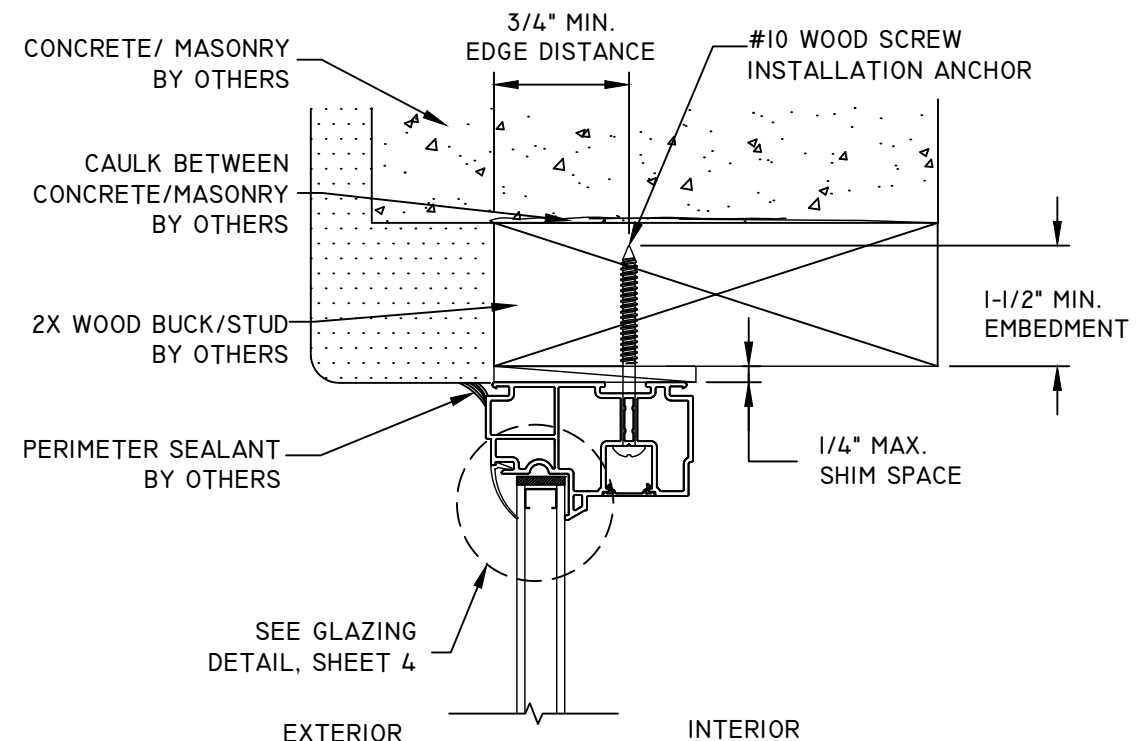
UNITS OF THE SHOWN SHAPES ARE ALLOWED PROVIDED CONSTRUCTION, GLAZING, & ANCHORAGE ARE PER DETAILS SHOWN HEREIN. ALL SHAPED UNITS SHALL FIT WITHIN THE RECTANGULAR AREAS AS SHOWN.

- MAXIMUM W = 96"
- MAXIMUM H = 54"
- OR
- MAXIMUM W = 80"
- MAXIMUM H = 72"
- MAXIMUM DP = +/- 50 PSF

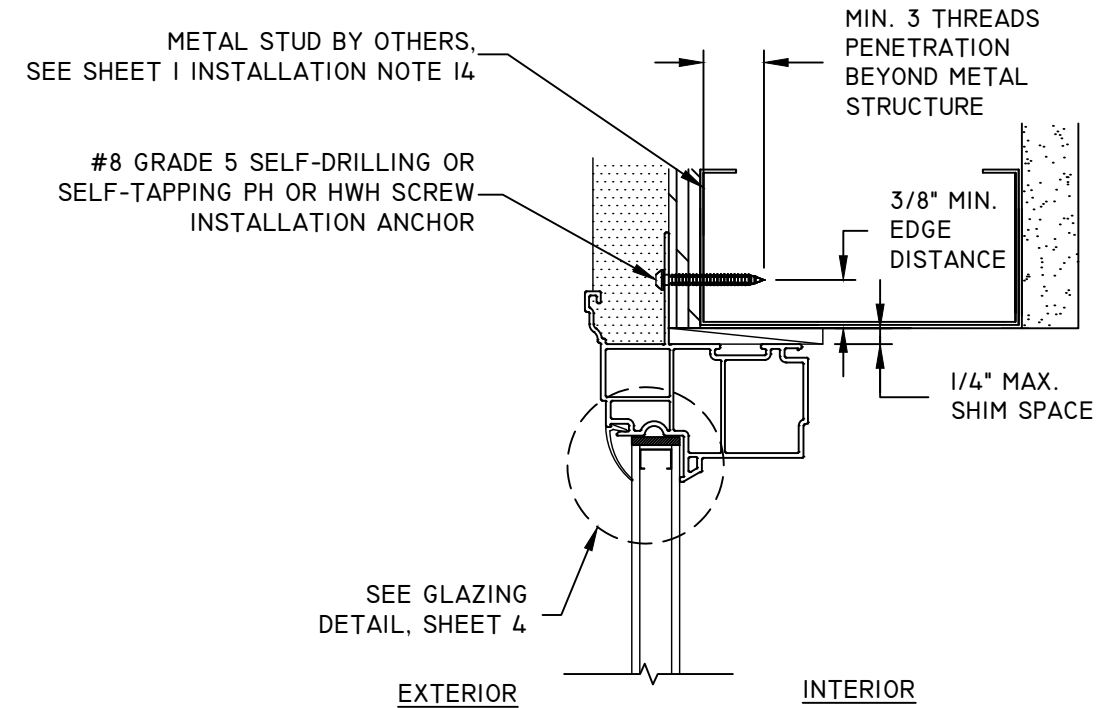
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NO.		A		8TH EDITION (2023) FBC	
DWN BY:		LMH		LMH	
CHK BY:		B		UPDATED TO CURRENT FBC.	
DATE:		07.16.21		SCALE: NTS	



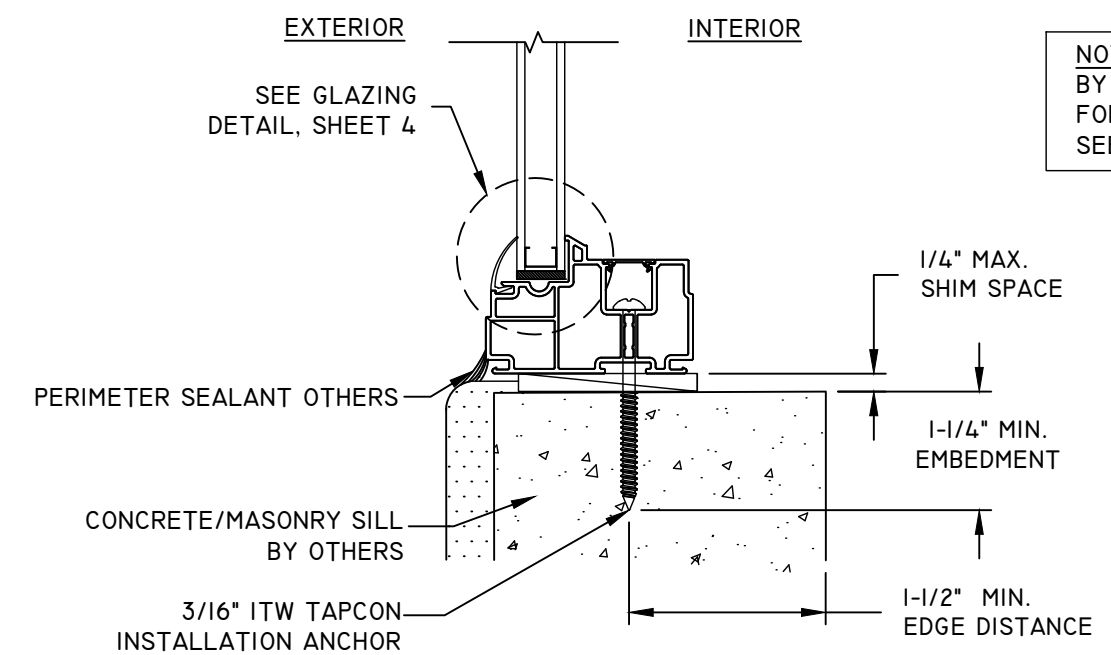
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B
3
VERTICAL SECTION
HEAD - 2X WOOD BUCK
FINLESS INSTALLATION

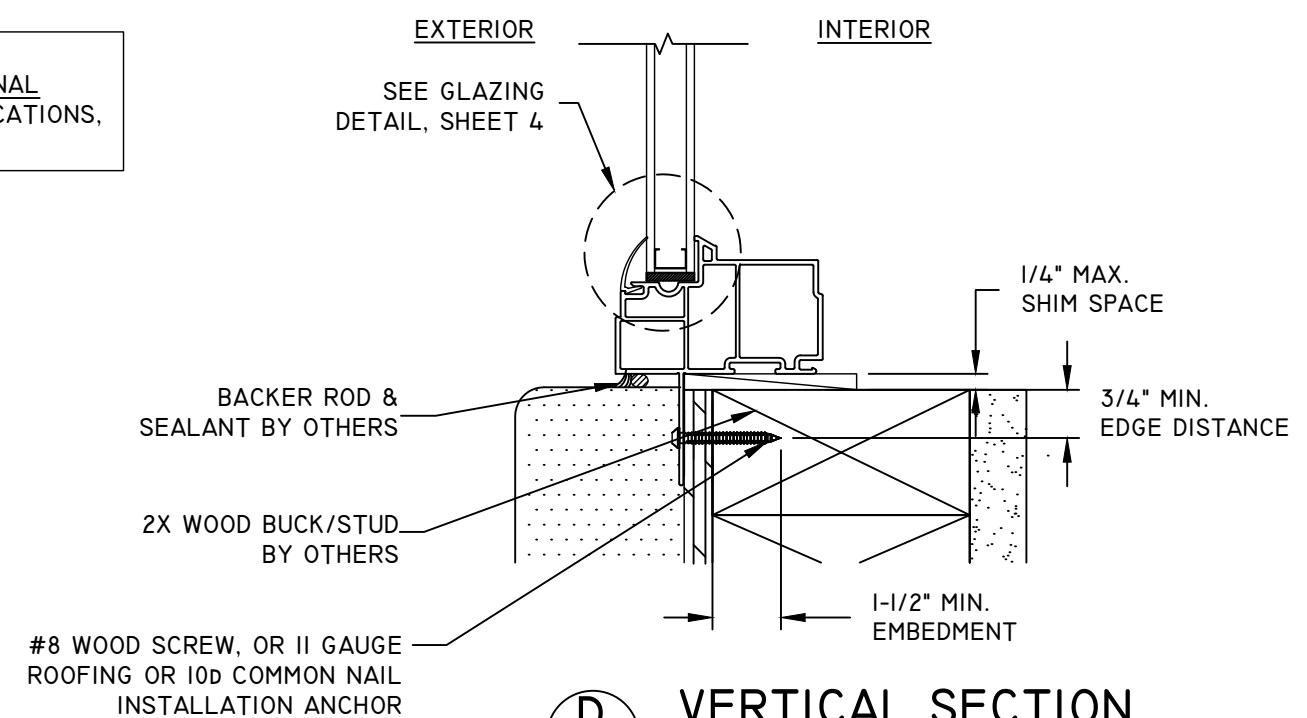


C
3
VERTICAL SECTION
HEAD-METAL STUD
FIN INSTALLATION WITH OPTIONAL J-CHANNEL



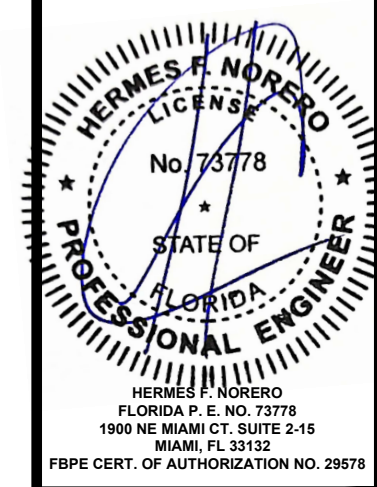
A
3
VERTICAL SECTION
SILL - CONCRETE/MASONRY
FINLESS INSTALLATION

NOTE: 1X WOOD BUCK
BY OTHERS IS OPTIONAL
FOR MASONRY APPLICATIONS,
SEE DETAIL E/4.

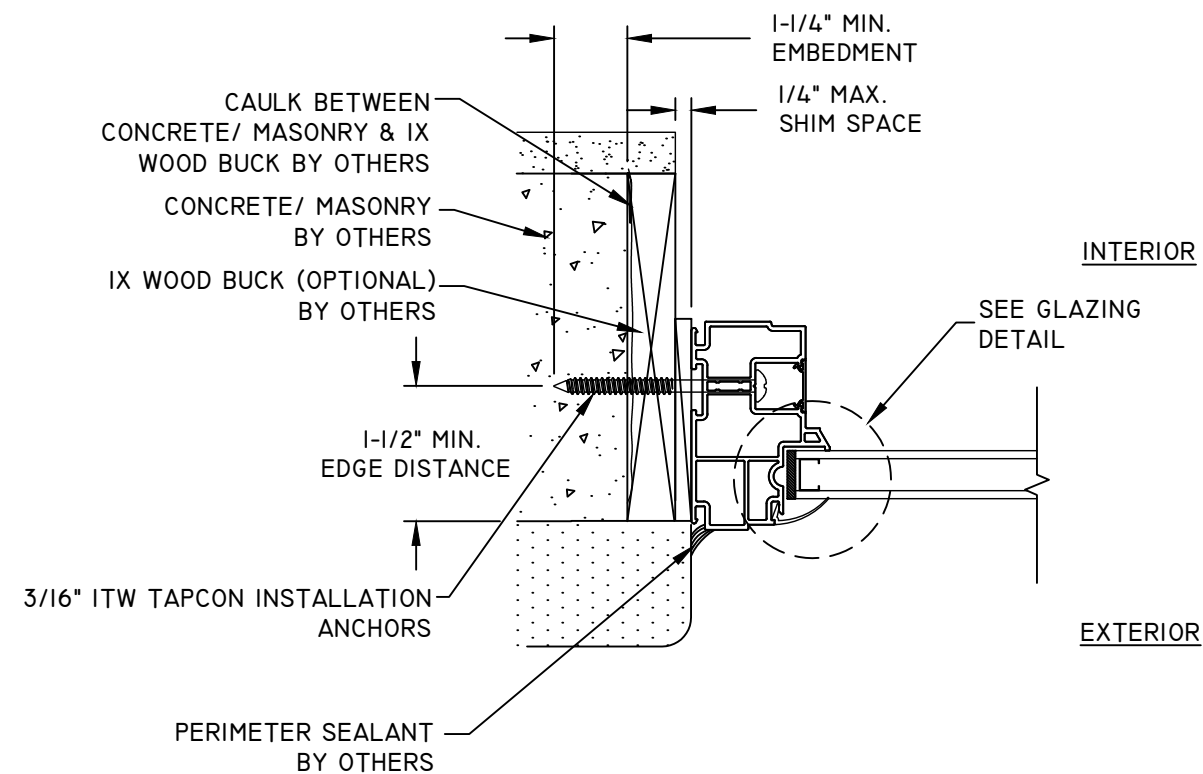


D
3
VERTICAL SECTION
SILL - 2X WOOD FRAME
FIN INSTALLATION

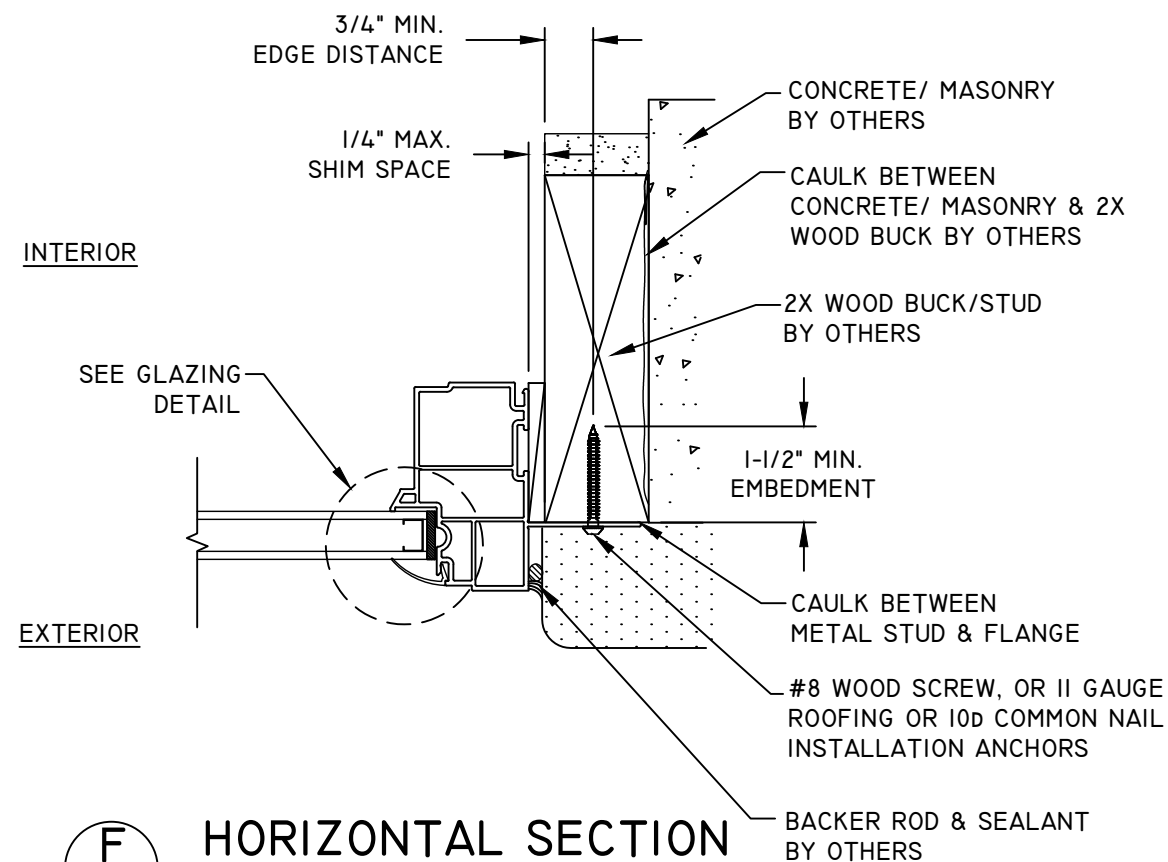
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VERTICAL SECTIONS				
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SCALE:		NTS		



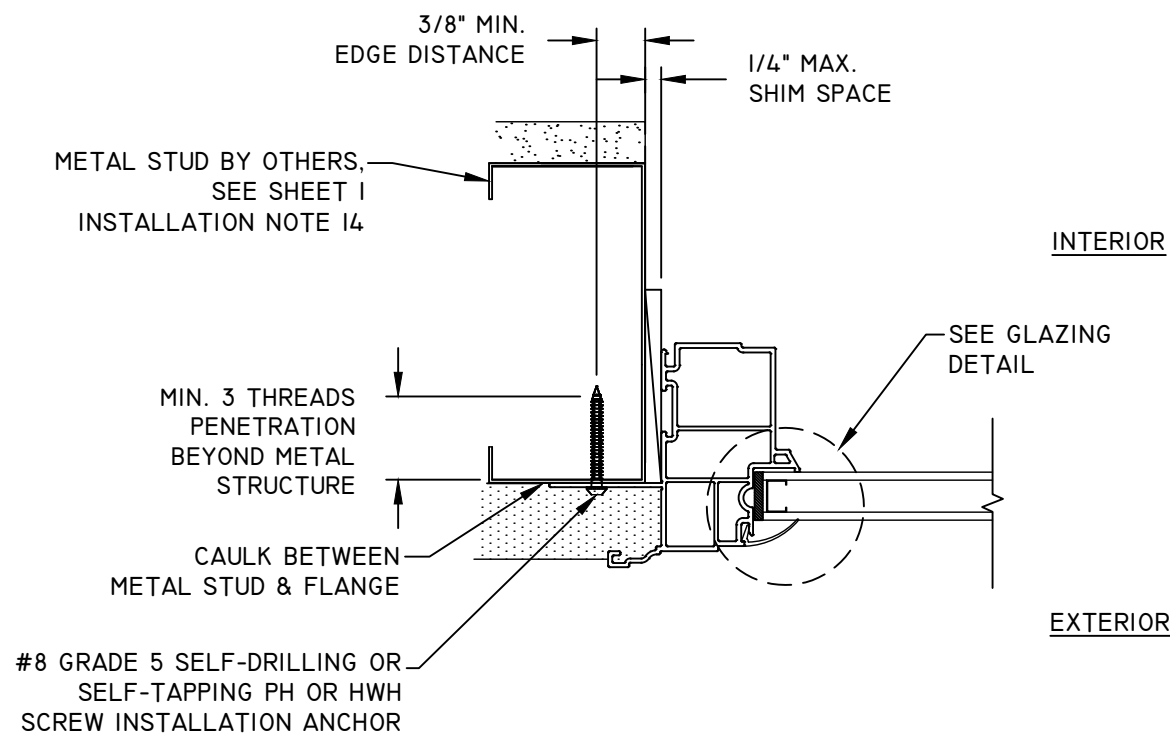
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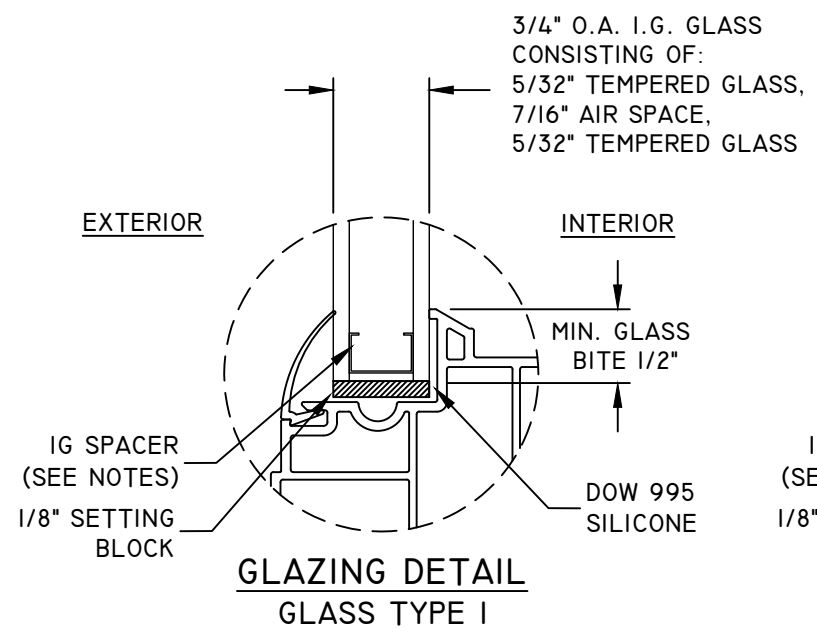
E
4 **HORIZONTAL SECTION**
JAMB - CONCRETE/MASONRY
FINLESS INSTALLATION



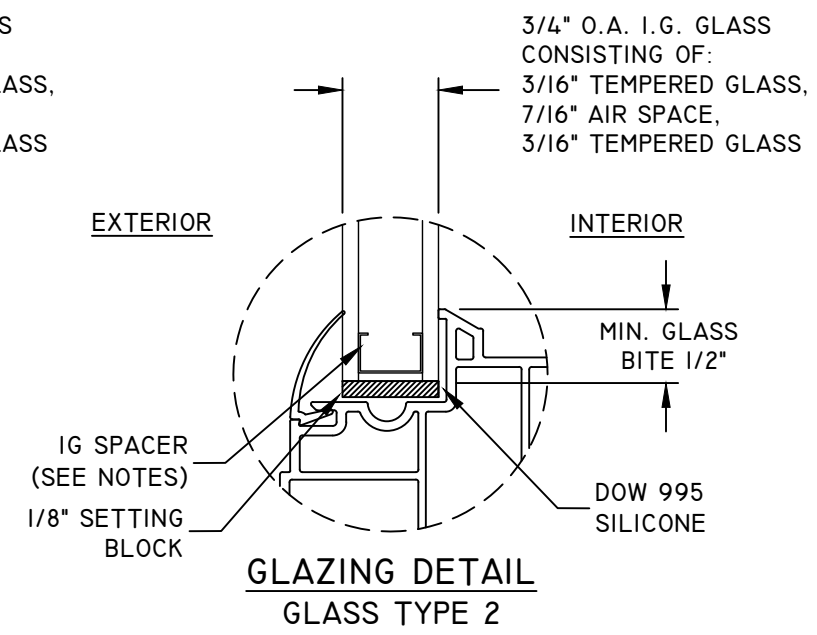
F
4 **HORIZONTAL SECTION**
JAMB - WOOD BUCK
FIN INSTALLATION



G
4 **HORIZONTAL SECTION**
JAMB - METAL STUD
FIN INSTALLATION WITH OPTIONAL J-CHANNEL



GLAZING DETAIL
GLASS TYPE 1



GLAZING DETAIL
GLASS TYPE 2

- NOTES:**
- 1) IG SPACER SHALL BE TIN COATED STEEL INTERCEPT SPACER FOR RECTANGULAR SHAPES OR EPDM SUPER SPACER FOR ARCHITECTURAL SHAPES.
 - 2) FIXED GLASS LITES GREATER THAN 36" IN WIDTH SHALL HAVE TWO APPROVED SETTING BLOCKS AS SPECIFIED IN FBC CHAPTER 24.
 - 3) ALL GLAZING CONFIGURATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN CURRENT FBC AND/OR ASTM E 1300.
 - 4) SEE DP TABLE ON SHEET 1 FOR REQUIRED GLASS TYPE BASED ON WINDOW SIZE.

Ply Gem®
WINDOWS & DOORS
Part of the Cornerstone Building Brands Family

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TITLE: 1570 SERIES FIXED SPECIALTY WINDOW (NON-IMP)				
HORIZONTAL SECTIONS & GLAZING OPTIONS				
NO.		REVISION DESCRIPTION	BY	DATE
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DATE:		07.16.21		
DWN BY:		LMH		
CHK BY:				
SCALE:				
NTS				

HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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FBPE CERT. OF AUTHORIZATION NO. 29578

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DWG #: **PGW326**

SHEET: **4** OF **4**