

PLY GEM WINDOWS - 1570 SERIES TRIPLE CASEMENT WINDOW IMPACT
NON-HVHZ - IMPACT RATED

GENERAL NOTES:

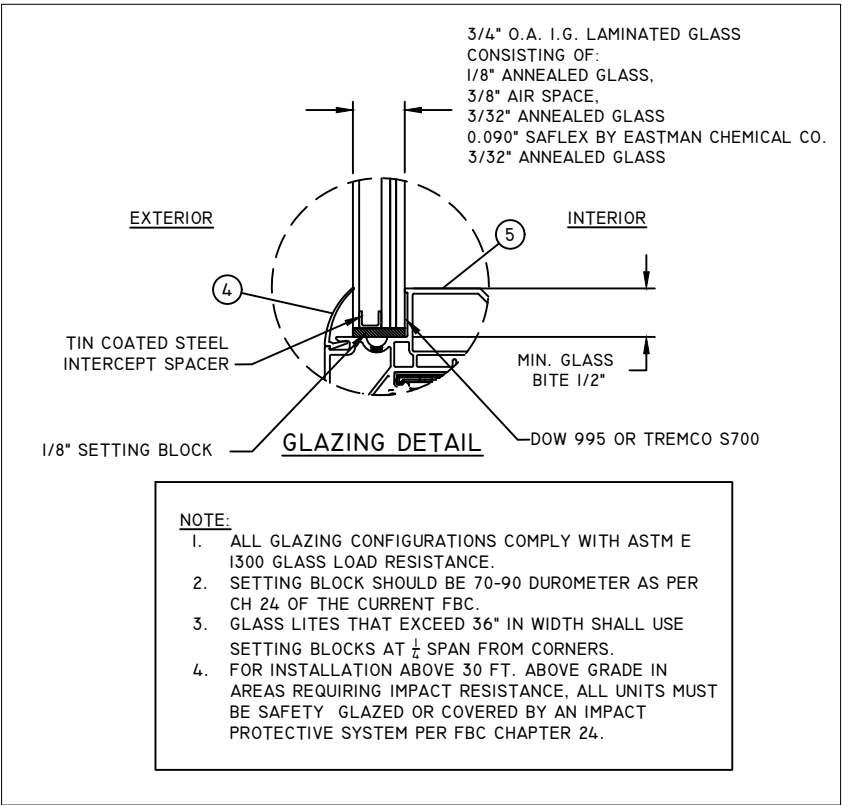
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-II
 - ASTM E1886-I3A
 - ASTM E1996-I4
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, 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 NOT REQUIRED** IN WIND ZONE 3 OR LESS ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** IN WIND ZONE 4 ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
7. WINDOW FRAME MATERIAL: PVC
8. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.
9. DESIGNATION "X" AND "O" STAND FOR THE FOLLOWING:

"X" - OPERABLE PANEL

"O" - FIXED PANEL

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6	BILL OF MATERIALS & COMPONENTS

PRODUCT MODEL	OVERALL SIZE		PERFORMANCE GRADE	DESIGN PRESSURE	INSTALLATION METHOD	MISSILE IMPACT RATING
	WIDTH	HEIGHT				
PI57NCW3IMP	108"	72"	LC-PG50	+50/-50 PSF	NAIL FIN	LARGE MISSILE IMPACT
PI57RCW3IMP	108"	72"	LC-PG50	+50/-50 PSF	THROUGH FRAME	LARGE MISSILE IMPACT



Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.03.20 16:32:12 -04'00'



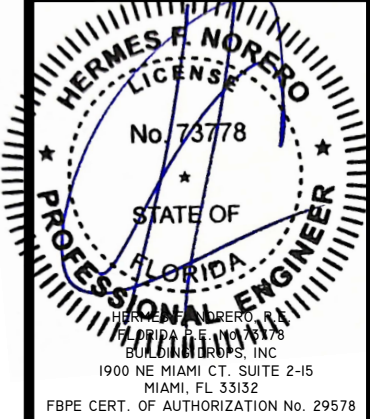
Part of the Cornerstone Building Brands Family

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FX: 540-484-6683

TITLE: 1570 SERIES TRIPLE CASEMENT WINDOW NON-HVHZ - IMPACT GENERAL NOTES & GLAZING DETAIL	DATE	02.17.25		
	BY	LMH		
	REVISION DESCRIPTION	A	CURRENT FBC & EC24-100	
	NO.			

DATE: 07.12.21	DWN BY: LMH	CHK BY:	SCALE: NTS
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FLORIDA P.E. NO. 73778
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1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

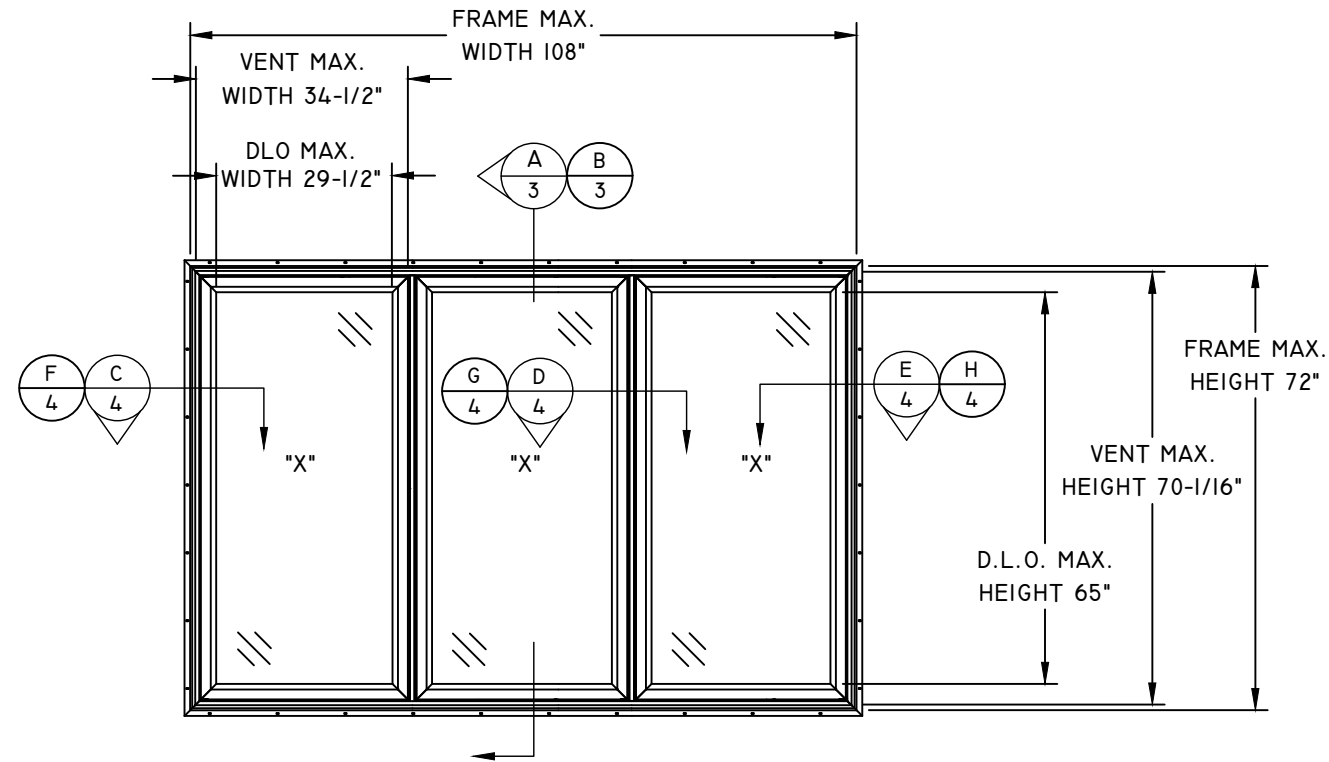
PREPARED BY:
BUILDING DROPS, INC.

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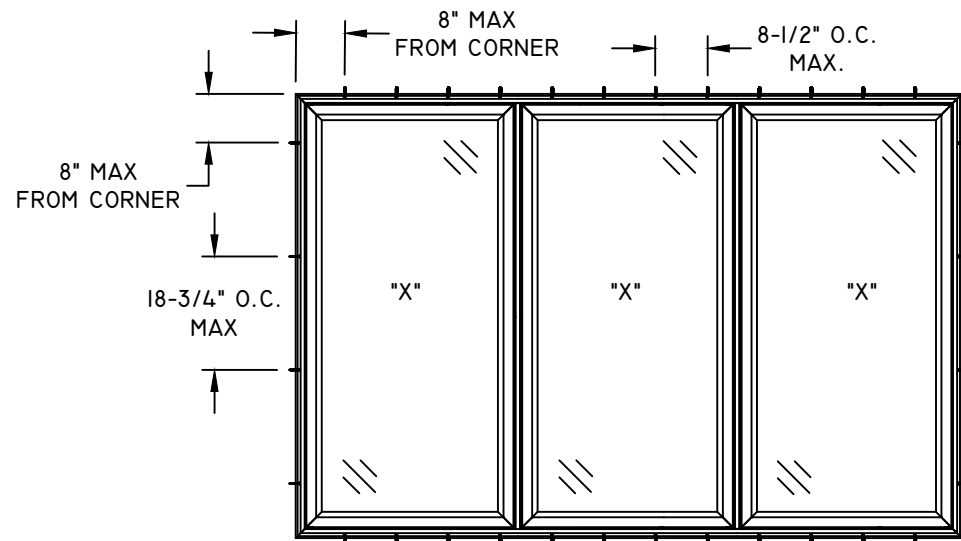
FL#: 38106

DWG #: PGW340

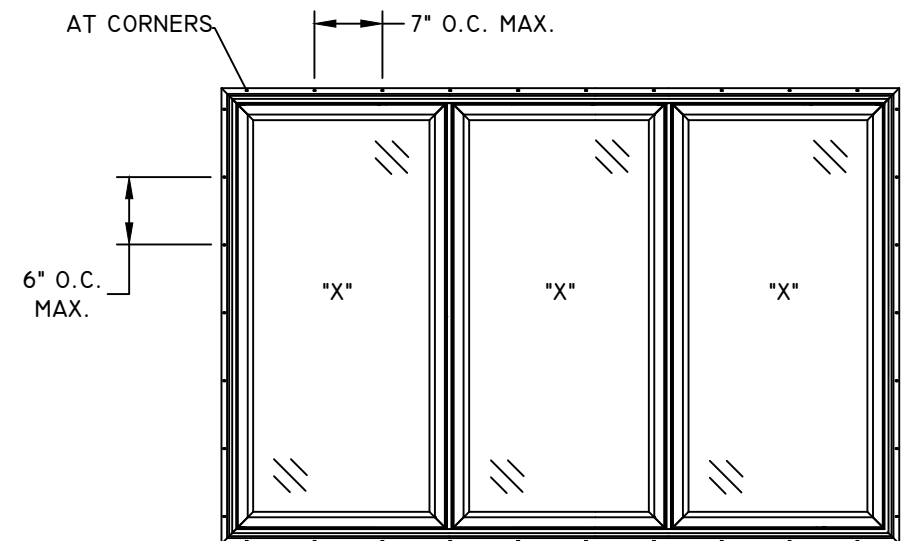
SHEET: 1 OF 6



TRIPLE CASEMENT ELEVATION



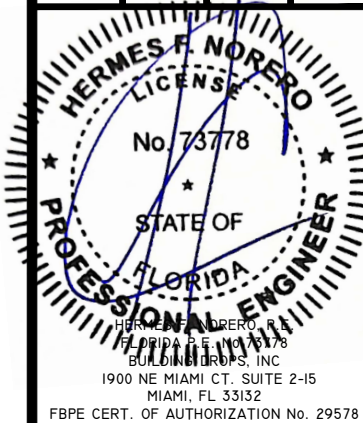
ANCHOR LAYOUT
FINLESS
DP +/- 50 PSF



ANCHOR LAYOUT
FIN
DP +/- 50 PSF

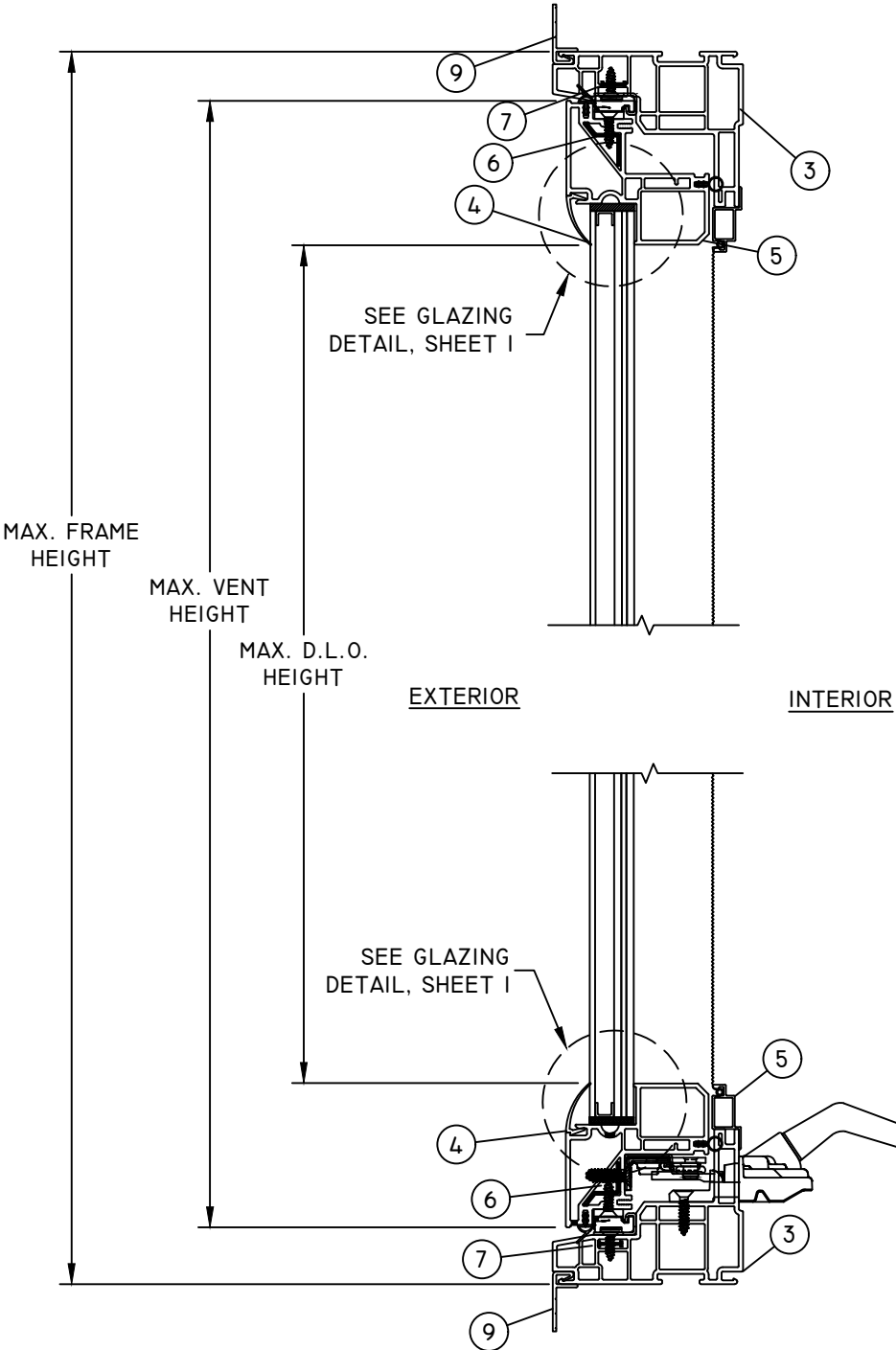
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	02.17.25	LMH	CURRENT FBC & EC24-100	A

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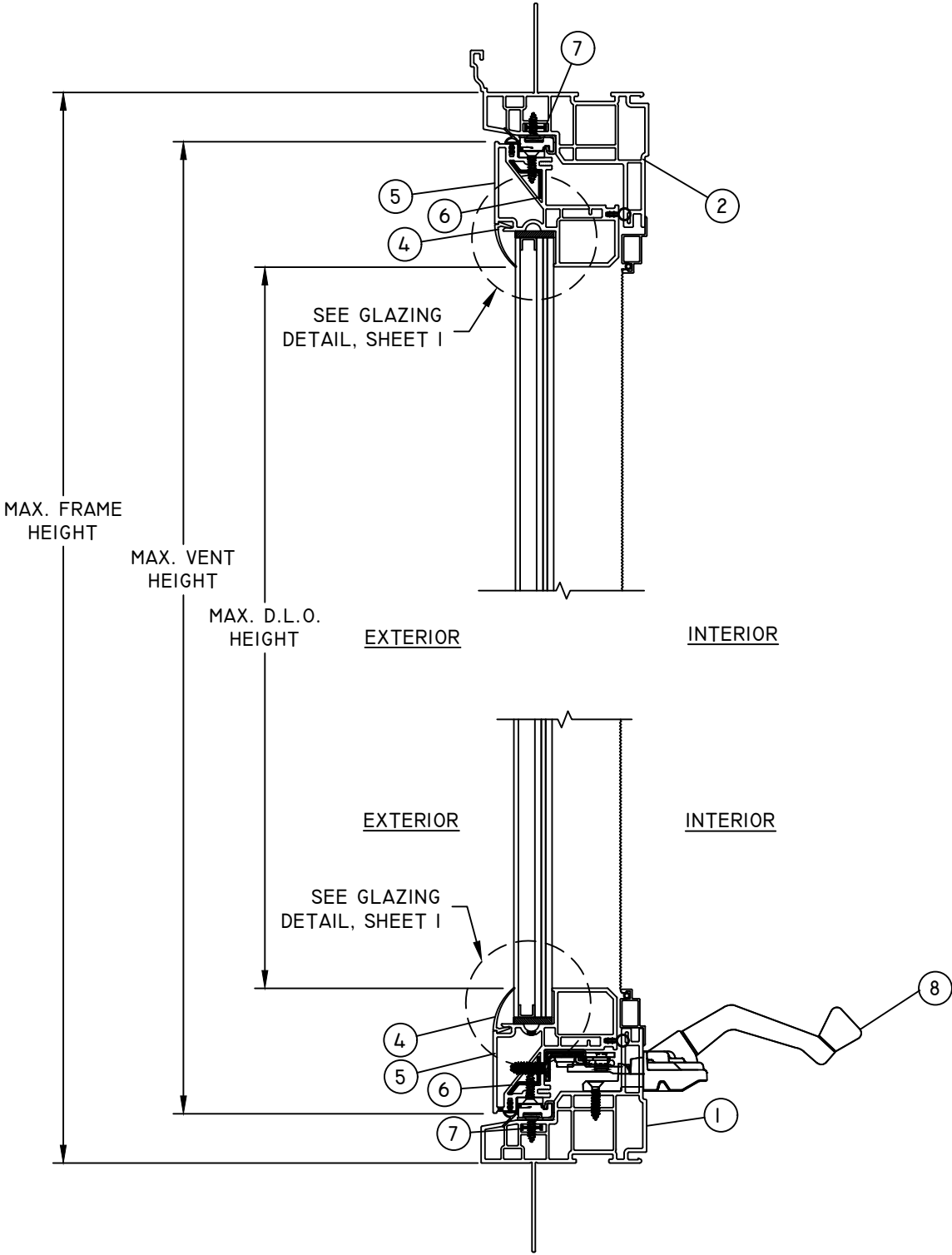
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DWG #:
PGW340
SHEET: **2 OF 6**



NOTE:
1. NAIL FIN INSTALLATION MAY USE OPTIONAL J-CHANNEL SUCH THAT TYPICAL INSTALLATION METHODS AND ANCHOR REQUIREMENTS ARE MET.
2. THROUGH FRAME INSTALLATION MAY USE AN OPTIONAL SNAP ON FLANGE SUCH THAT TYPICAL INSTALLATION AND ANCHOR REQUIREMENTS ARE MET.

NOTE: IX WOOD BUCK BY OTHERS IS OPTIONAL FOR MASONRY APPLICATIONS.

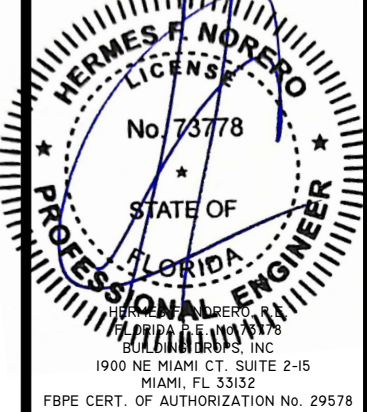
A
3 **VERTICAL SECTION**
THROUGH FRAME INSTALLATION



B
3 **VERTICAL SECTION**
NAIL FIN INSTALLATION

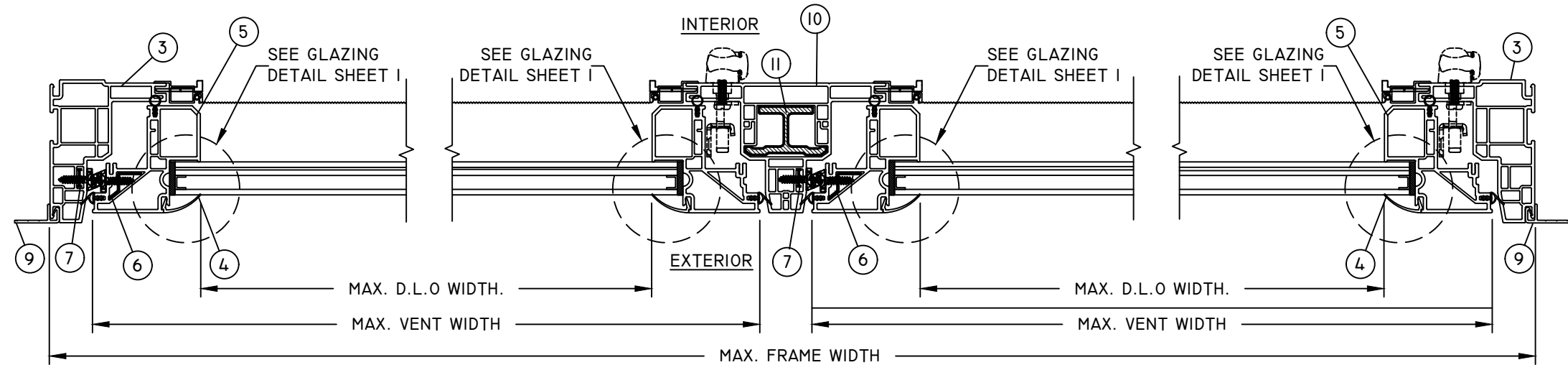
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	BY	LMH		
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SHEET: **3** OF **6**



C
4 **HORIZONTAL SECTION**
THROUGH FRAME INSTALLATION

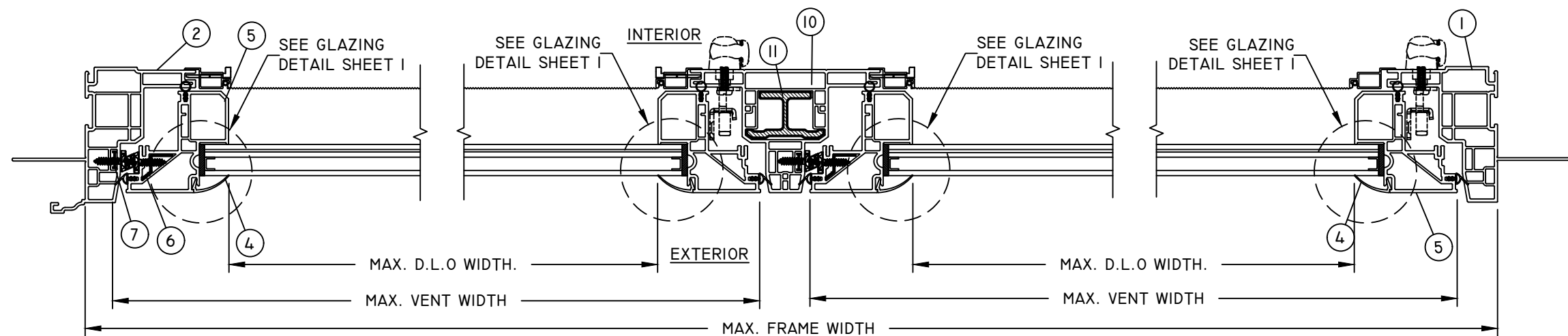
D
4 **HORIZONTAL SECTION**
INTERMEDIATE MULLION

E
4 **HORIZONTAL SECTION**
THROUGH FRAME INSTALLATION

NOTE:

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NOTE: IX WOOD BUCK BY OTHERS IS OPTIONAL FOR MASONRY APPLICATIONS.



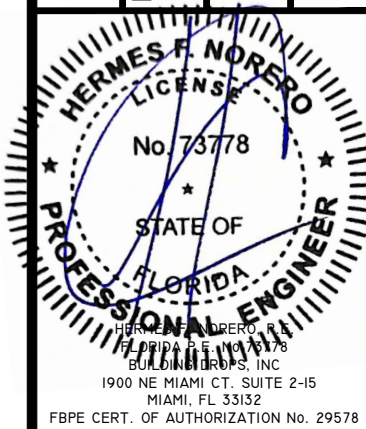
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4 **HORIZONTAL SECTION**
NAIL FIN INSTALLATION

G
4 **HORIZONTAL SECTION**
INTERMEDIATE MULLION

H
4 **HORIZONTAL SECTION**
NAIL FIN INSTALLATION

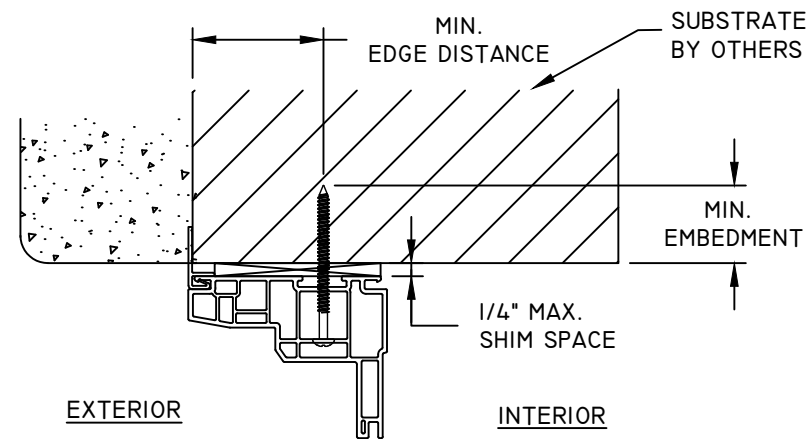
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DATE:	07.12.21	DWN BY:	LMH	CHK BY:		SCALE:	NTS
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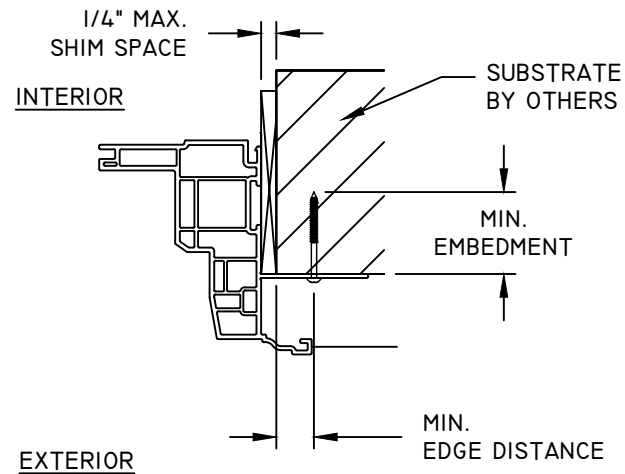


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SHEET: **4** OF **6**



I
5 **VERTICAL SECTION**
THROUGH FRAME (HEAD, SILL & JAMB)



J
5 **HORIZONTAL SECTION**
NAIL FIN (HEAD, SILL & JAMB)

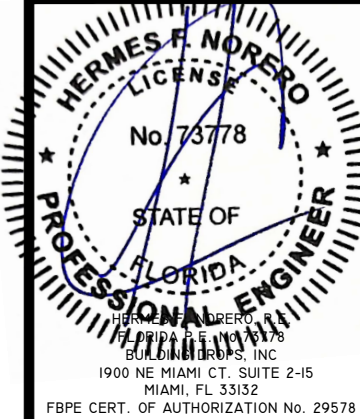
INSTALLATION NOTES:

- ONE (I) 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 $\pm 1/2$ 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.
- 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.
- FOR MASONRY OR CONCRETE OPENINGS, A 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET I FOR MORE INFORMATION.
- 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.
- 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.

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE
NAIL FIN	WOOD: MIN. SG = 0.55	#8 WOOD SCREW FLAT HEAD	1-1/2"	3/4"
	METAL: 18 GAUGE STEEL, MIN. FY = 33KSI	#8 TEK SCREW FLAT HEAD	3 THREADS MIN PENETRATION BEYOND METAL	3/4"
THROUGH FRAME	WOOD: MIN. SG = 0.55	#10 WOOD SCREW FLAT HEAD	1.5"	3/4"
	METAL: 18 GAUGE STEEL, MIN. FY = 33KSI	#10 TEK SCREW FLAT HEAD	3 THREADS MIN PENETRATION BEYOND METAL	3/4"
	CONCRETE: F'C=3000PSI	3/16" ITW TAPCON FLATHEAD	1-1/4"	1-3/4"
	MASONRY: CMU PER ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON FLATHEAD	1-1/4"	1-3/4"

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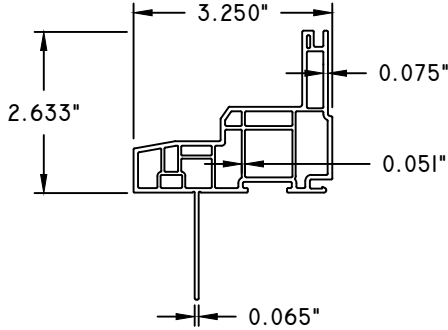
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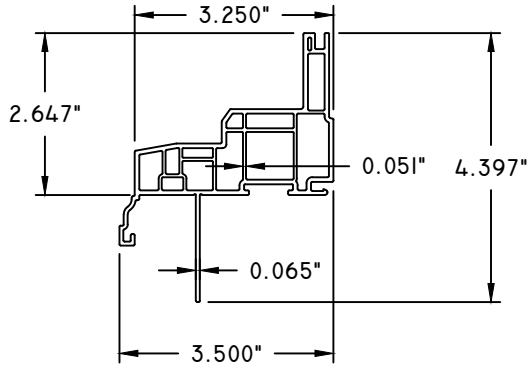
SHEET: **5 OF 6**

BILL OF MATERIALS			
ITEM #	DESCRIPTION	MANUFACTURER	MATERIAL
1	NAIL FIN FRAME	PLY GEM / SILVERLINE	PVC
2	NAIL FIN FRAME WITH J-CHANNEL	PLY GEM / SILVERLINE	PVC
3	REPLACEMENT FRAME	PLY GEM / SILVERLINE	PVC
4	GLAZING BEAD	PLY GEM / SILVERLINE	PVC
5	CASEMENT MAIN SASH	PLY GEM / SILVERLINE	PVC
6	SASH REINFORCEMENT	PLY GEM / SILVERLINE	ALUMINUM
7	TRACK REINFORCEMENT	PLY GEM / SILVERLINE	ALUMINUM
8	SS ENCORE DUAL ARM OPERATOR	PLY GEM / SILVERLINE	ALUMINUM
9	SNAP ON FLANGE	PLY GEM / SILVERLINE	PVC
10	MULLION	PLY GEM / SILVERLINE	PVC
11	REINFORCEMENT	PLY GEM / SILVERLINE	ALUMINUM

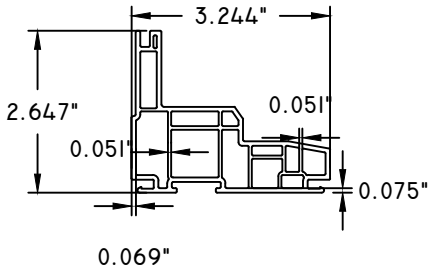
1 NAIL FIN FRAME
PVC



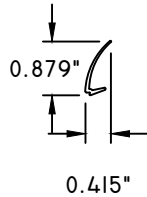
2 NAIL FIN FRAME WITH J-CHANNEL
PVC



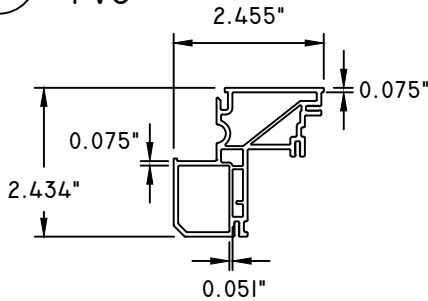
3 REPLACEMENT FRAME
PVC



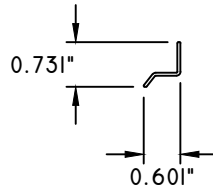
4 GLAZING BEAD
PVC



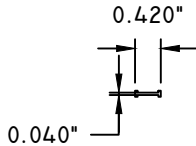
5 CASEMENT MAIN SASH
PVC



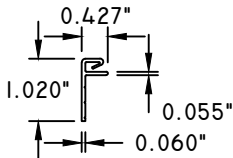
6 SASH REINFORCEMENT
ALUMINUM



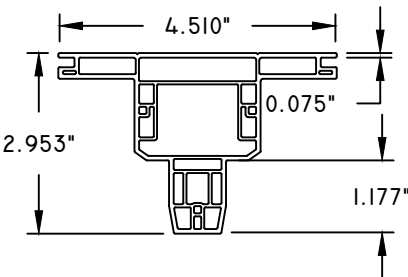
7 TRACK REINFORCEMENT
ALUMINUM



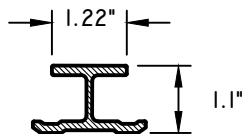
9 SNAP ON FLANGE
PVC



10 MULLION
PVC

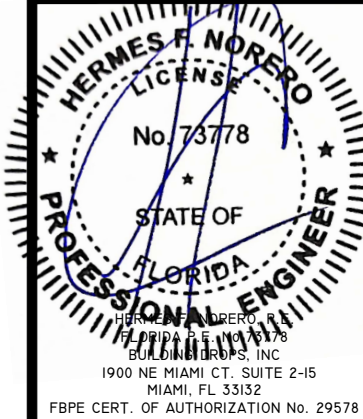


11 REINFORCEMENT
ALUMINUM



TITLE: 1570 SERIES TRIPLE CASEMENT WINDOW NON-HVHZ - IMPACT BILL OF MATERIALS & COMPONENTS	DATE	BY	REVISION DESCRIPTION	NO.
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SHEET: **6 OF 6**