

PLY GEM WINDOWS *PREMIUM MIRA SERIES CASEMENT OPERATING SHAPE WINDOW (IMPACT)*

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 1. THIS INSTALLATION HAS BEEN EVALUATED FOR USE IN LOCATIONS ADHERING TO THE

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2. THIS PRODUCT IS MISSILE LEVEL D, WIND ZONE 3 IMPACT RESISTANT. WHEN USED IN WIND ZONE 3 OR BELOW AREAS, THIS PRODUCT DOES NOT REQUIRE THE USE OF APPROVED IMPACT PROTECTIVE DEVICES (SHUTTERS).
3. ANCHOR TYPE, SIZE, SPACING, EMBEDMENT, AND EDGE DISTANCE SHALL BE AS SPECIFIED IN THESE DRAWINGS. USE APPROPRIATE ANCHORAGE FROM TABLE I ACCORDING TO SUBSTRATE TYPE. A MINIMUM CENTER-TO-CENTER SPACING OF 3" SHALL BE MAINTAINED BETWEEN ALL INSTALLATION FASTENERS IN ANY DIRECTION. IF PRODUCT IS INSTALLED WITHIN 3000 FEET OF A SALTWATER COASTLINE, THE ANCHORAGE MUST BE REVIEWED FOR COMPLIANCE WITH FBC SECTION 1711, SEE EVALUATION REPORT FOR THIS APPROVAL FOR DETAILS.
4. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO. FOR MASONRY OPENINGS WITH WOOD BUCKS LESS THAN 1-1/2" THICK, EMBEDMENT SHALL BE BEYOND WOOD BUCKS, IF USED, AND INTO MASONRY SUBSTRATE. WOOD BUCKS WITH MASONRY ARE OPTIONAL.
5. WOOD, METAL, OR MASONRY OPENINGS, BUCKS, AND BUCK FASTENERS, BY OTHERS, SHALL BE PROPERLY DESIGNED AND INSTALLED BY OTHERS TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. ADEQUACY OF THE STRUCTURE TO RECEIVED THESE LOADS SHALL BE VERIFIED BY THE CONTRACTOR OR AUTHORITY HAVING JURISDICTION (AHJ).
6. IT IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD OR AS APPROVED BY THE AHJ TO SELECT PLY GEM PRODUCTS TO MEET ALL APPLICABLE LOCAL LAWS, BUILDING CODES, ORDINANCES, OR OTHER SAFETY REQUIREMENTS FOR EACH INSTALLATION.
7. SHIMS ARE REQUIRED WHERE GAPS OF GREATER THAN 1/16" EXIST BETWEEN OPENING AND FRAME. MAX. SHIM STACK IS 1/4". SHIMS SHALL BE LOAD-BEARING AND CAPABLE OF TRANSFERRING LOADS TO THE SUBSTRATE.
8. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS USING ASTM E2112 AND IS NOT ADDRESSED BY THIS DOCUMENT.
9. INSTALLED GLAZING SHALL COMPLY WITH ASTM E1300.
10. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS. ANY DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT REACTIONS IN ACCORDANCE WITH CODE REQUIREMENTS.
11. A WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.
12. PRODUCTS SHALL BE CONSTRUCTED AS SPECIFIED IN TEST REPORTS NATIONAL CERTIFIED TESTING LABORATORIES I10-14372-1, I10-14371-1 & I10-14370-1.
13. DESIGNATION "X" IS FOR OPERABLE PANEL AND "O" IS FOR FIXED PANEL.
14. USE A BACKER ROD ON ALL JOINTS $> 3/4"$ DEEP AND/OR WIDER THAN $1/4"$. FINISHED CAULK JOINT SHOULD BE A MINIMUM OF $3/8"$ DEEP.

DESIGN PRESSURE TABLE				
OVERALL SIZE		PERFORMANCE RATING	DESIGN PRESSURE	MISSILE IMPACT RATING
WIDTH	HEIGHT			
36"	84-1/4"	LC-PG50	+50/-50 PSF	LARGE & SMALL MISSILE IMPACT
36"	90"	LC-PG50	+50/-50 PSF	
28-3/16"	77-5/8"	R-PG50	+50/-57 PSF	

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2	SHAPED ELEVATIONS & ANCHOR LAYOUT
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Lucas Turner
2026.09.25
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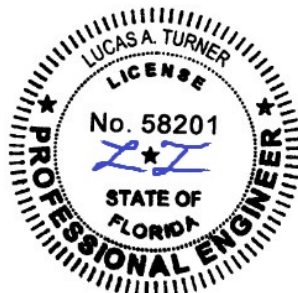
TABLE I: INSTALLATION FASTENERS TABLE

ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED.	MIN. EDGE DISTANCE
A	2X MIN. SOUTHERN PINE WOOD (G=0.55)	8D COMMON NAIL (0.131" MIN.) OR 0.120" MIN. ROOFING NAIL	2"	7/16"
B	2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42)	#8 WOOD SCREW	1-1/2"	7/16"
C	16 GAUGE (0.060") STEEL 36 KSI MIN. YIELD. OR 1/8" ALUM. 6063-T5 MIN.	#10-16 SELF-DRILLING SCREW (TEKS/DRIL-FLEX/KWIK-FLEX)	FULL, PLUS 3 THREADS MIN.	7/16"

NOTE: ALL SCREWS SHALL HAVE MOD. TRUSS, PAN, OR HEX WASHER HEAD, 0.42" MIN. HEAD OR WASHER DIAMETER. ALL NAILS SHALL HAVE FULL ROUND HEAD (OR USE CAPS/WASHERS), 0.42" MIN. HEAD OR WASHER DIAMETER.



DATE: 02.21.12		TITLE: PREMIUM MIRA SERIES CASEMENT WINDOW GENERAL & INSTALLATION NOTES		
DWN BY: GRN		NO.	REVISION DESCRIPTION	BY DATE
CHK BY:		B	ADDED NOTES & TABLE 1	LMH 04.26.18
		C	7TH EDITION 2020 FBC	LMH 12.02.20
		D	8TH EDITION 2023 FBC	LMH 12.04.23
SCALE: NTS		E	UPDATED TO CURRENT FBC	LMH 08.26.26

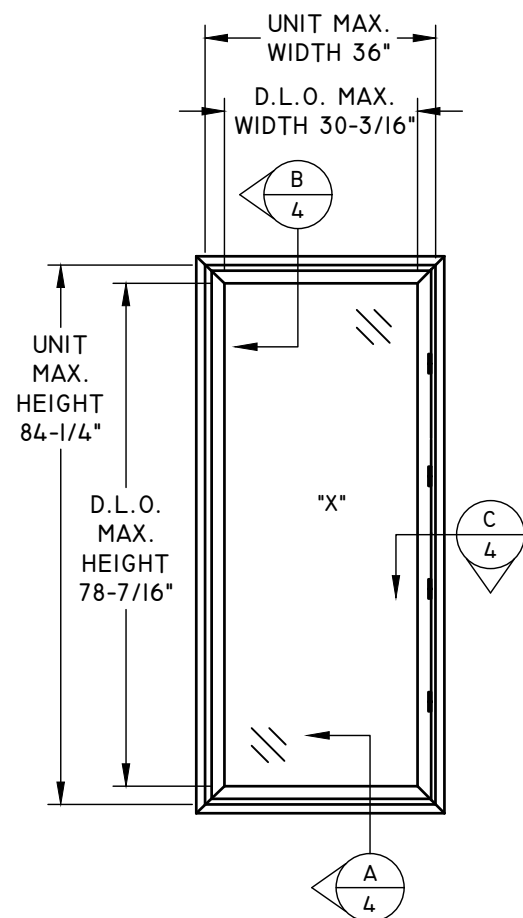


08/26/2026
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PH. 941-380-1574

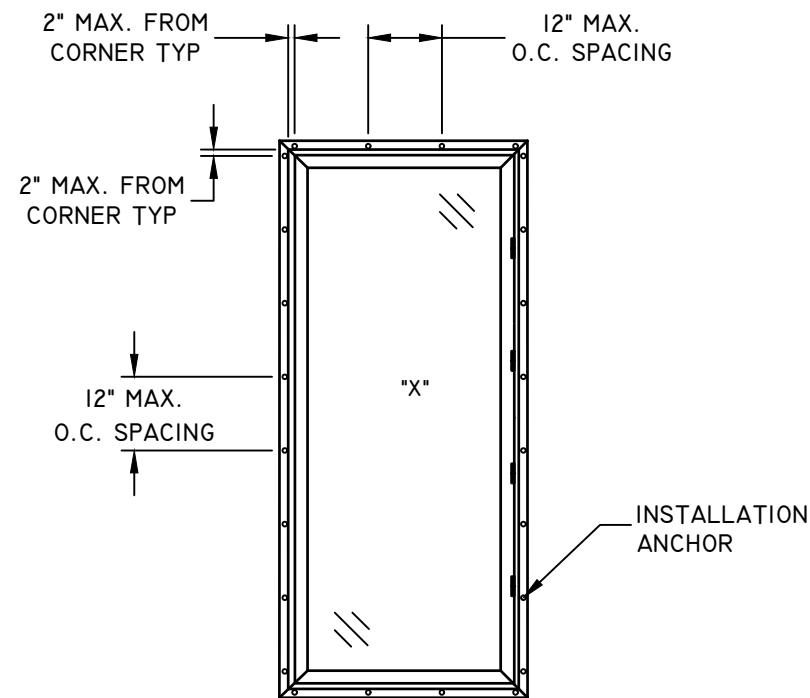
FL#: 15537

DWG #:
PGW151

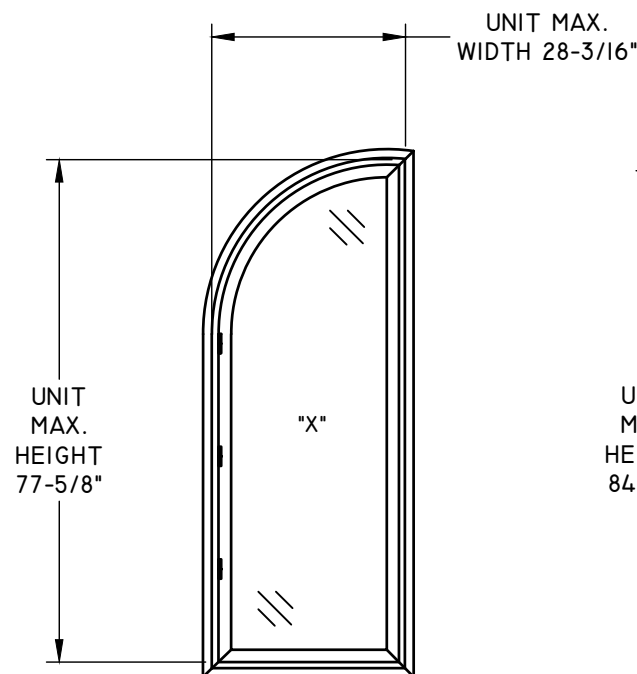
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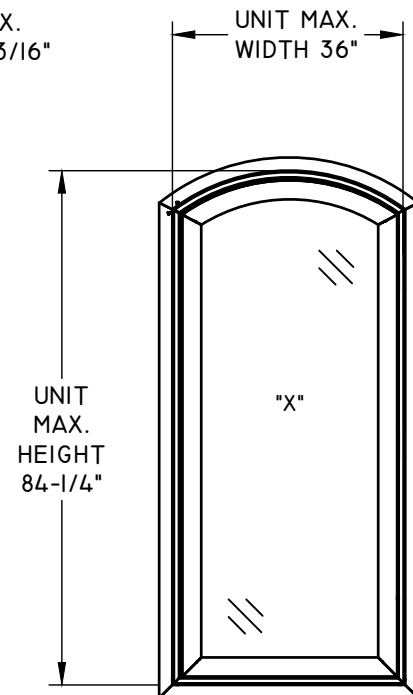
ELEVATION
EXTERIOR VIEW



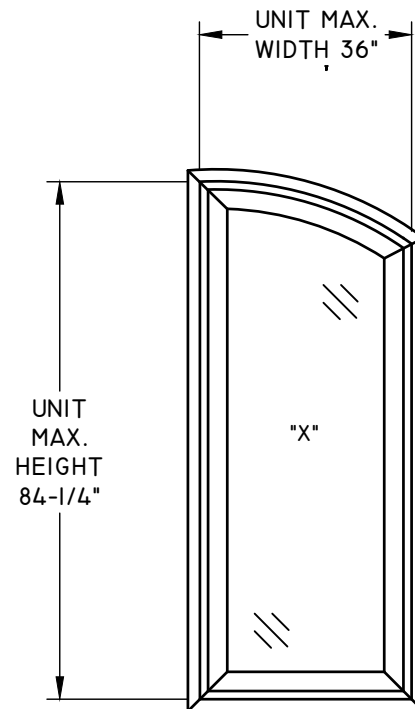
ANCHOR LAYOUT
FIN



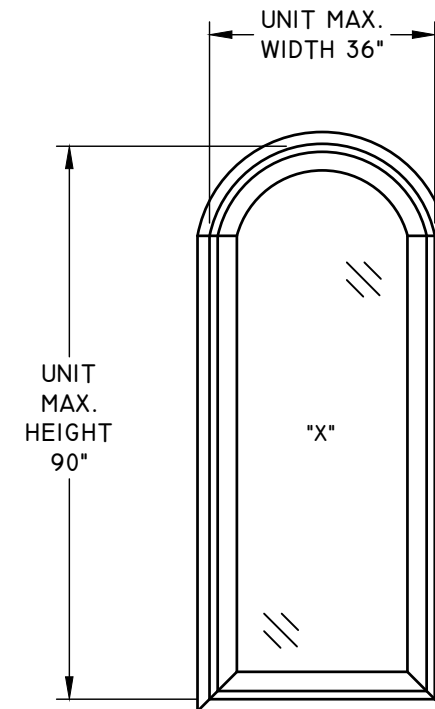
ELEVATION
QUARTER CIRCLE
+50/-57 PSF



ELEVATION
ARCH
+50/-50 PSF



ELEVATION
UNEVEN LEG ARCH
+50/-50 PSF



ELEVATION
TRUE RADIUS
+50/-50 PSF

TITLE:	PREMIUM MIRA SERIES CASEMENT WINDOW SHAPE ELEVATION & ANCHOR LAYOUTS				
	NO.	REVISION DESCRIPTION	BY	DATE	
DATE:	02.21.12	DWN BY:	GRN	CHK BY:	SCALE:
					NTS
	B	ADDED NOTES & TABLE I	LMH	04.26.18	
	C	7TH EDITION 2020 FBC	LMH	12.02.20	
	D	8TH EDITION 2023 FBC	LMH	12.04.23	
	E	UPDATED TO CURRENT FBC	LMH	08.26.26	

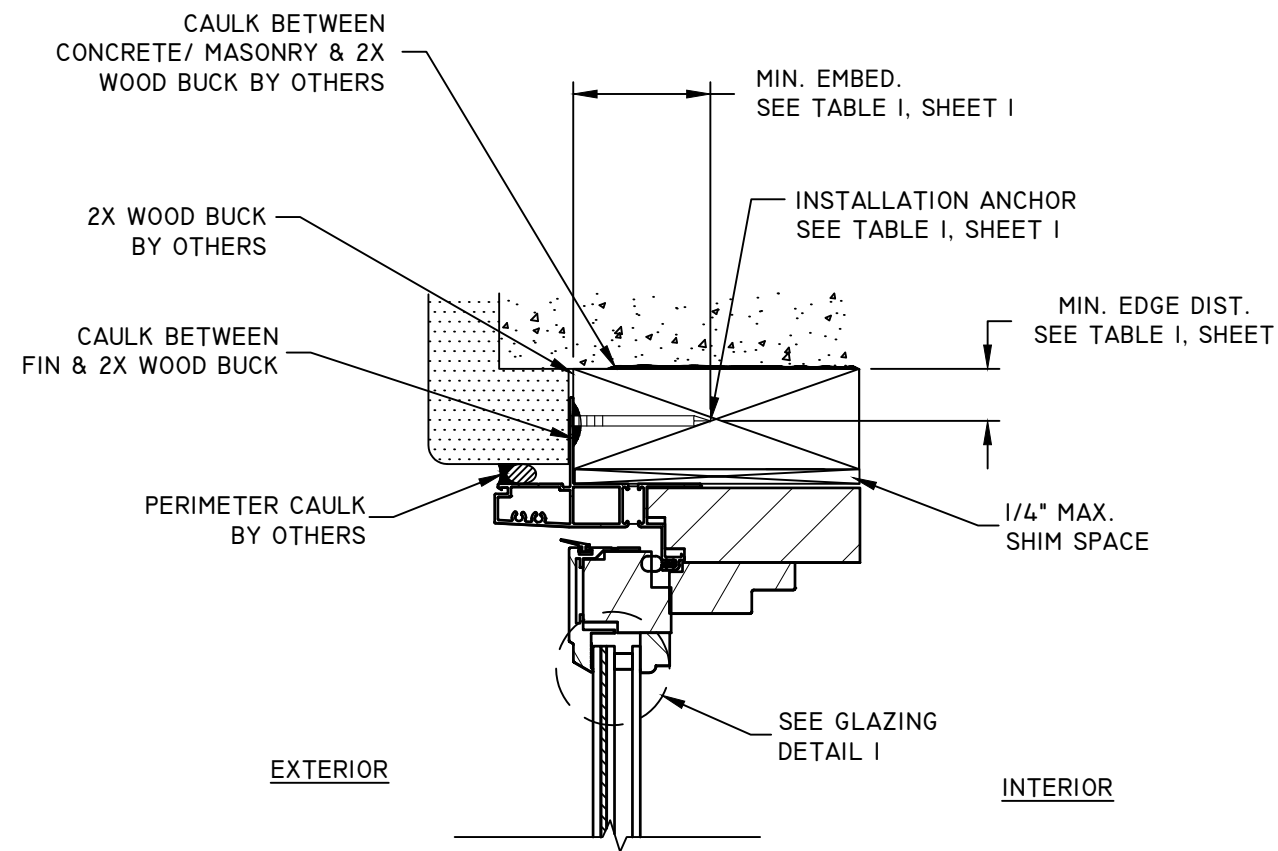


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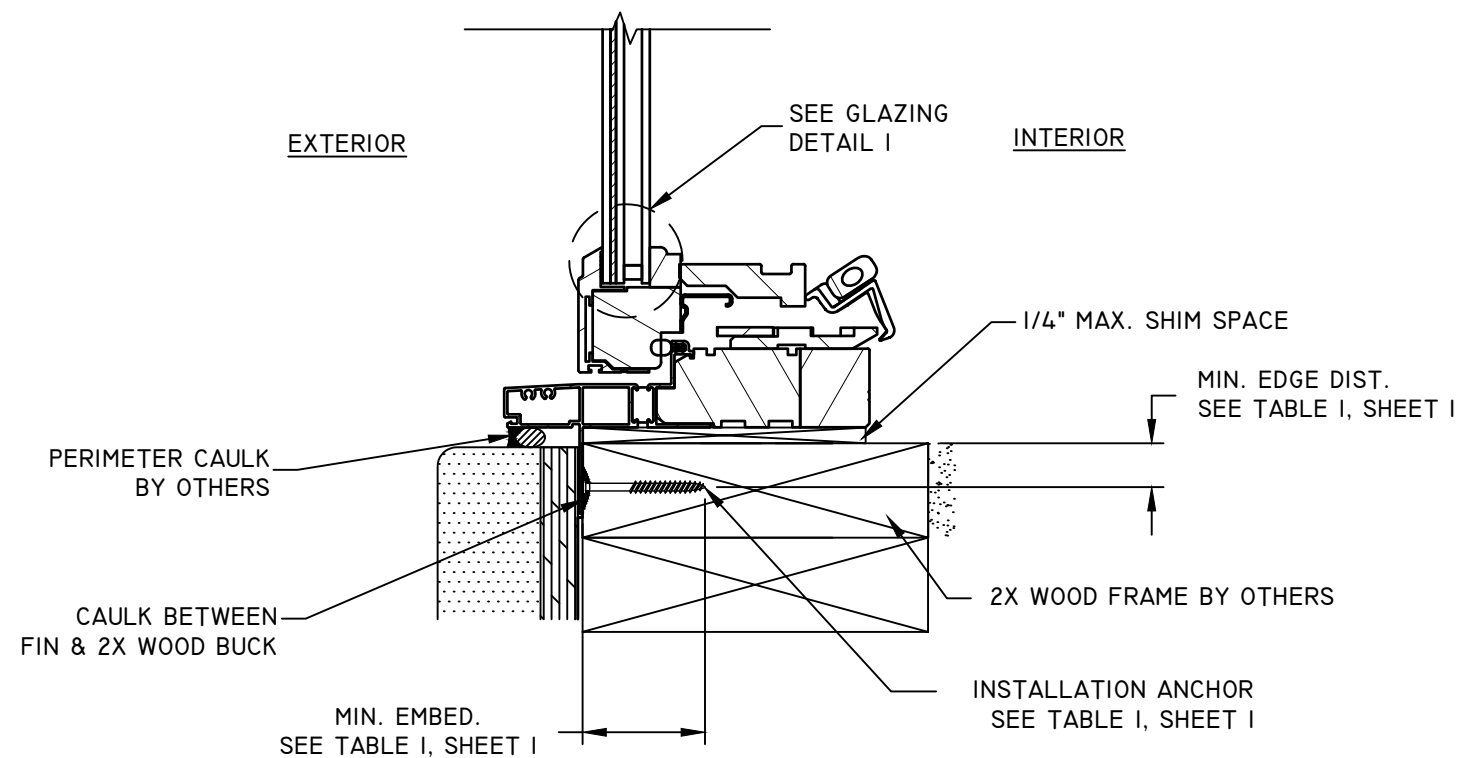
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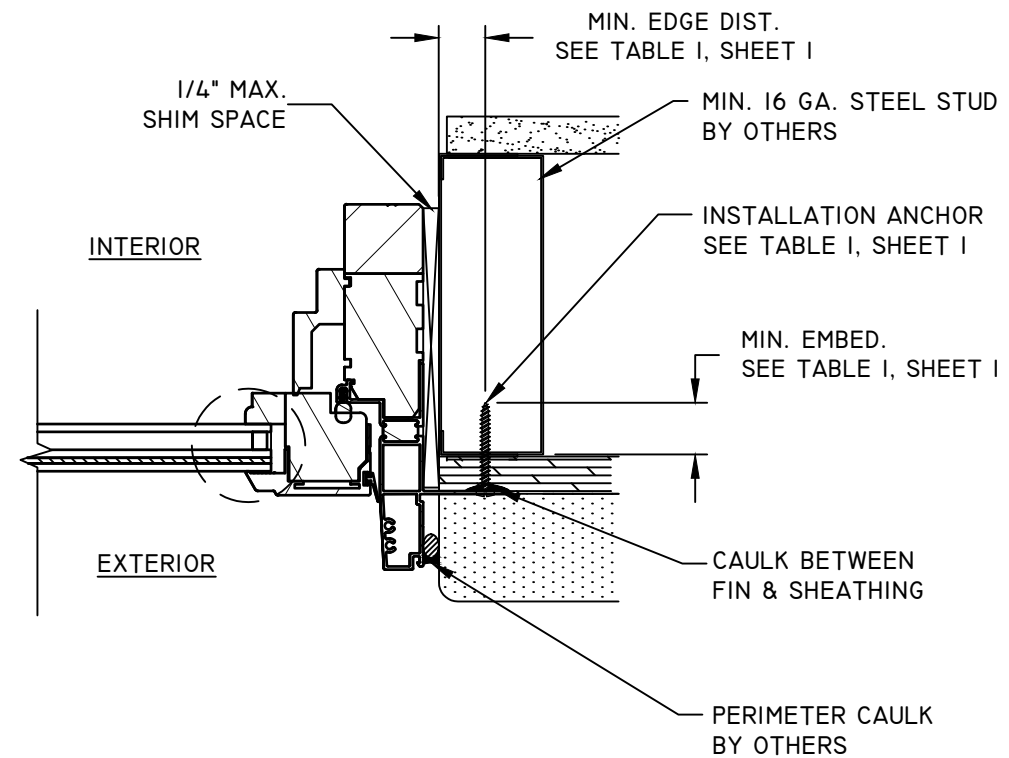
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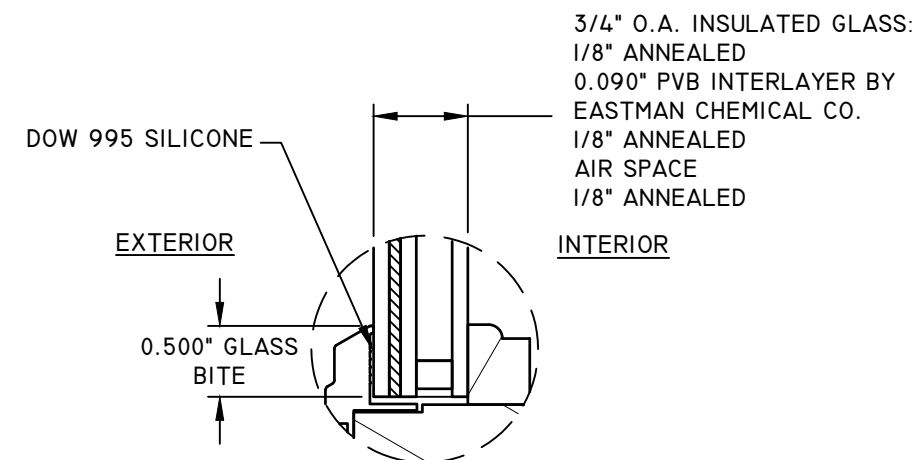
B
4 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
NAIL FIN



A
4 **VERTICAL SECTION**
SILL - 2X WOOD FRAME
NAIL FIN

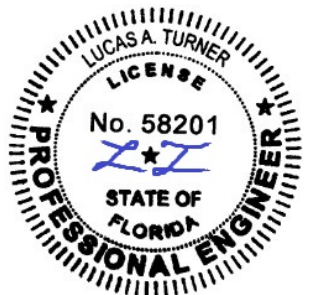


C
4 **HORIZONTAL SECTION**
JAMB - STEEL STUD FRAME
NAIL FIN



GLAZING DETAIL 1

TITLE: PREMIUM MIRA SERIES CASEMENT WINDOW CROSS SECTIONS & GLAZING DETAIL	DATE	BY	REVISION DESCRIPTION	DATE
	02.21.12	LMH		04.26.18
	DWN BY: GRN	LMH	ADDED NOTES & TABLE I	12.02.20
	CHK BY:	LMH	7TH EDITION 2020 FBC	12.04.23
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DWG #: **PGWI5I**

SHEET: **3 OF 3**