

PLY GEM WINDOWS *PREMIUM MIRA DOUBLE HUNG WINDOW* *(IMPACT)*

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NOTES:

1. THIS INSTALLATION HAS BEEN EVALUATED FOR USE IN LOCATIONS ADHERING TO THE FLORIDA BUILDING CODE OUTSIDE THE HVHZ, AND WHERE PRESSURE REQUIREMENTS AS DETERMINED BY ASCE 7 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES DO NOT EXCEED THE DESIGN PRESSURE RATINGS HEREIN.
2. WHEN USED IN AREAS REQUIRING IMPACT PROTECTION, 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.
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 E 2112 AND IS NOT ADDRESSED BY THIS DOCUMENT.
9. INSTALLED GLAZING SHALL COMPLY WITH ASTM E 1300.
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 CERTIFIED TESTING LABORATORIES ARCHITECTURAL 1794W AND NATIONAL CERTIFIED TESTING LABORATORIES 110-14365-1.
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.

SIZE CHART				
OVERALL SIZE		PRODUCT RATING	MAX. DESIGN PRESSURE	MISSILE IMPACT RATING
WIDTH	HEIGHT			
37-3/8"	76-9/16"	LC-PG50	+50/-50 PSF	LARGE & SMALL IMPACT RATING

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Lucas Turner
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TABLE I: INSTALLATION FASTENERS TABLE

ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED.	MIN. EDG DISTANC
FIN INSTALLATION				
A	2X MIN. SOUTHERN PINE WOOD (G=0.55)	8D COMMON NAIL (0.131" MIN.) OR 0.131" MIN. ROOFING NAIL	2"	3/8"
B	2X MIN. SPRUCE-PINE-FIR WOOD (G=0.55)	#8 WOOD SCREW	1-1/2"	3/8"
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.	3/8"
FRAME INSTALLATION				
D	CONCRETE (2 KSI MIN.)	3/16" ITW TAPCON	1-1/2"	1-1/8"
E	HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	1"	2"
F	2X MIN. SOUTHERN PINE WOOD (G=0.55)	3/16" ITW TAPCON	1-3/8"	7/8"
G	2X MIN. SOUTHERN PINE WOOD (G=0.55)	#10 WOOD SCREW	1-3/8"	7/8"
H	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.	1/2"

NOTE: ALL SCREWS AND TAPCONS SHALL HAVE MOD. TRUSS, PAN, OR HEX WASHER HEAD, 0.42" MIN. HEAD OR WASHER DIAMETER FOR FIN ANCHORS, 0.355" MIN. HEAD OR WASHER DIAMETER FOR FRAME ANCHORS. ALL NAILS SHALL HAVE FULL ROUND HEAD (OR USE CAPS/WASHERS), 0.42" MIN. HEAD OR WASHER DIAMETER.



Part of the **Cornerstone Building Brands** Family

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DATE: 02.20.12		TITLE: PREMIUM MIRA DOUBLE HUNG ALUMINIUM CLAD WINDOW INSTALLATION & GENERAL NOTES			
DWN BY: GRN		NO.	REVISION DESCRIPTION	BY	DATE
CHK BY:		A	5TH EDITION FBC UPDATE	SM	08.21.14
		B	ADDED NOTES & TABLE I	LMH	12.10.17
SCALE:		C	7TH EDITION (2020) FBC	LMH	11.29.20
NTS		D	UPDATED TO CURRENT FBC	LMH	03.11.26

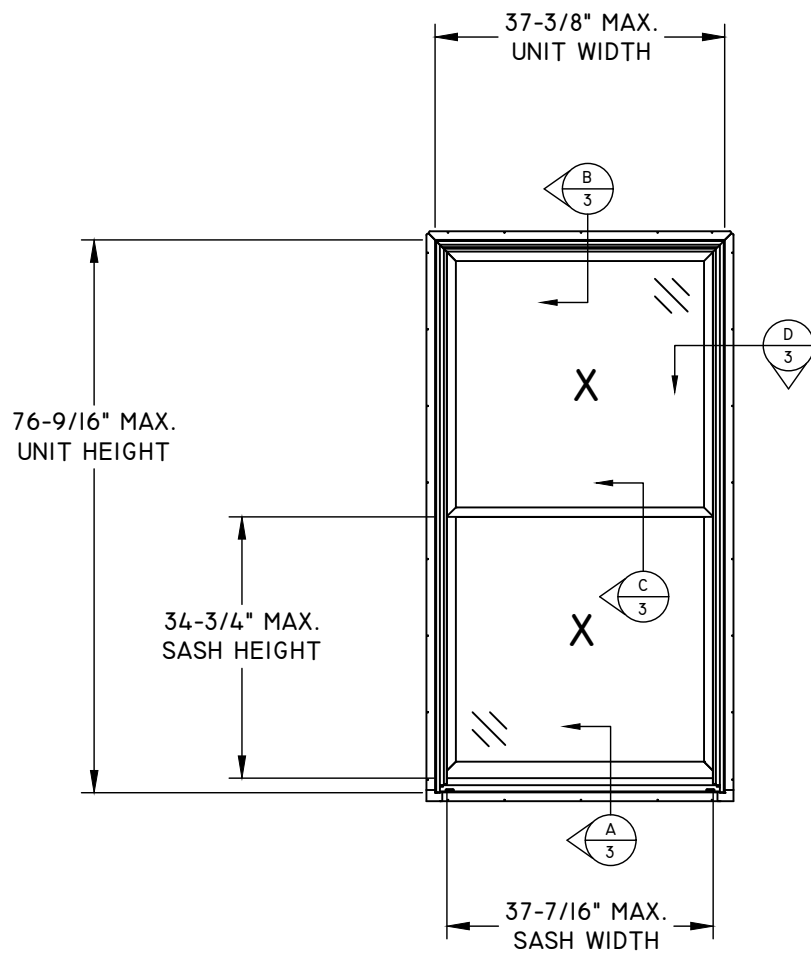


03/11/2026
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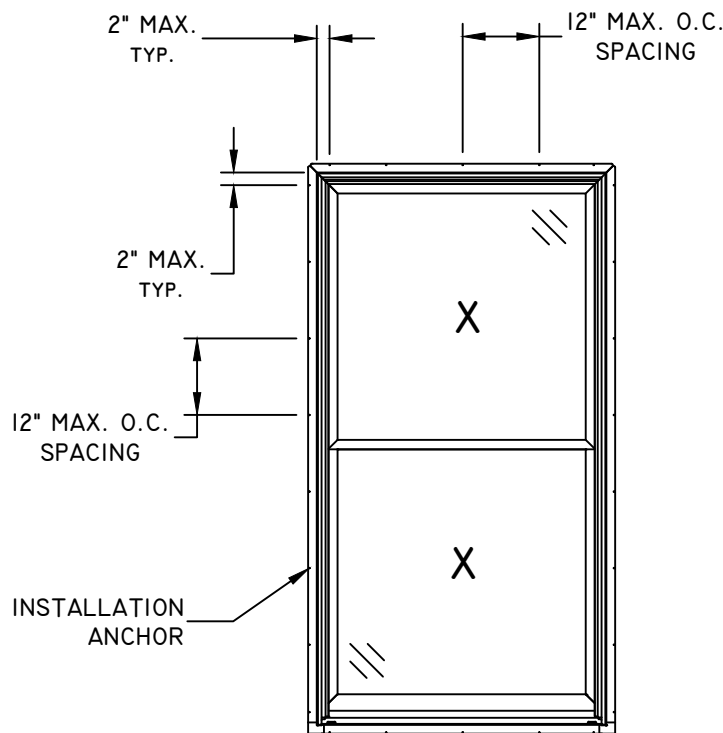
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WG #: PGWI44

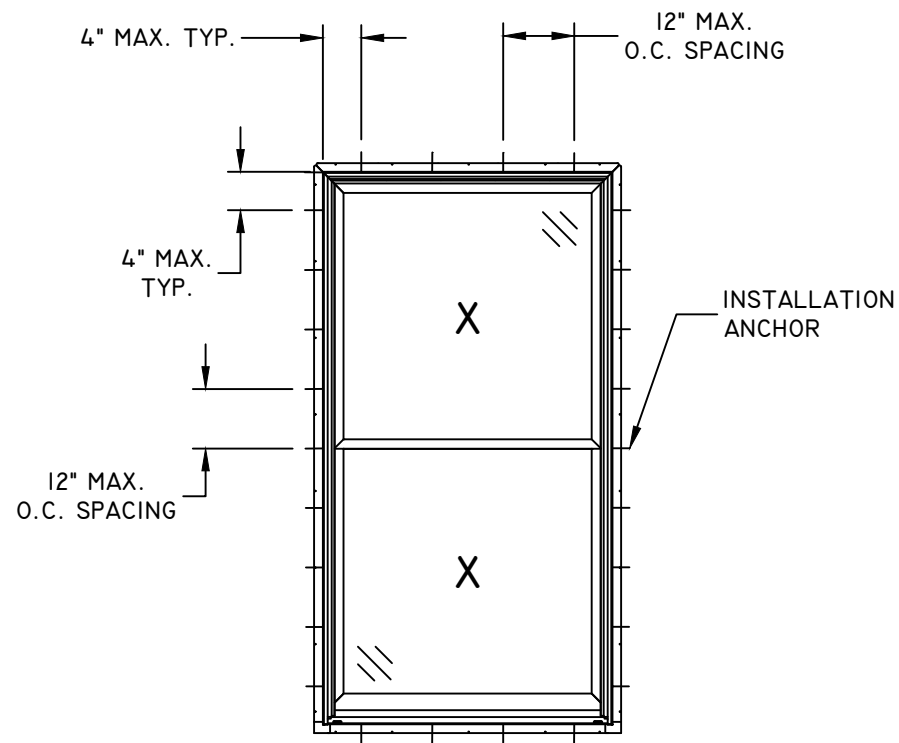
SHEET: 1 OF 3



ELEVATION

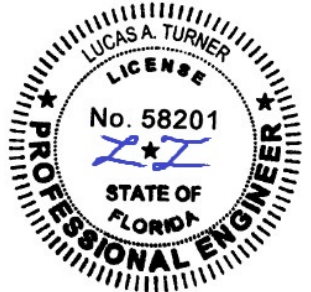


**ANCHOR LAYOUT
FIN**



**ANCHOR LAYOUT
FRAME**

TITLE: PREMIUM MIRA DOUBLE HUNG ALUMINUM CLAD WINDOW ELEVATION & ANCHOR LAYOUT	DATE	BY	REVISION DESCRIPTION	DATE
	02.20.12	SM		08.21.14
	DWN BY: GRN	LMH	5TH EDITION FBC UPDATE	12.10.17
	CHK BY: .	LMH	ADDED NOTES & TABLE I	11.29.20
	SCALE: NTS	LMH	7TH EDITION (2020) FBC UPDATED TO CURRENT FBC	03.11.26

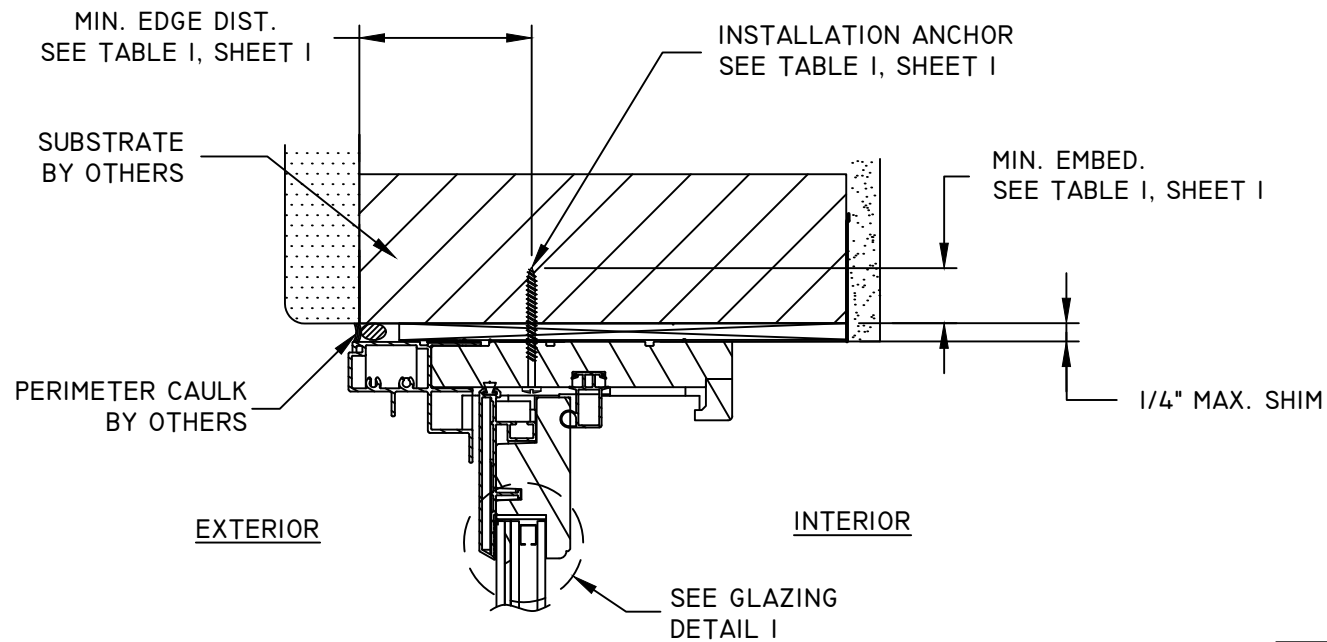


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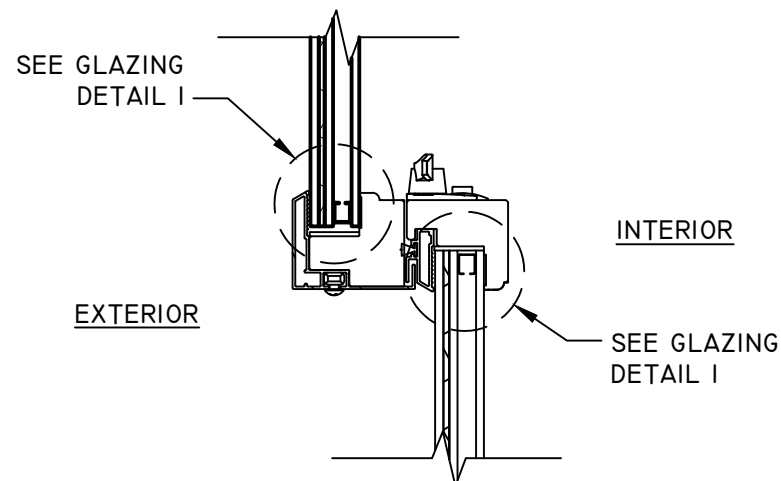
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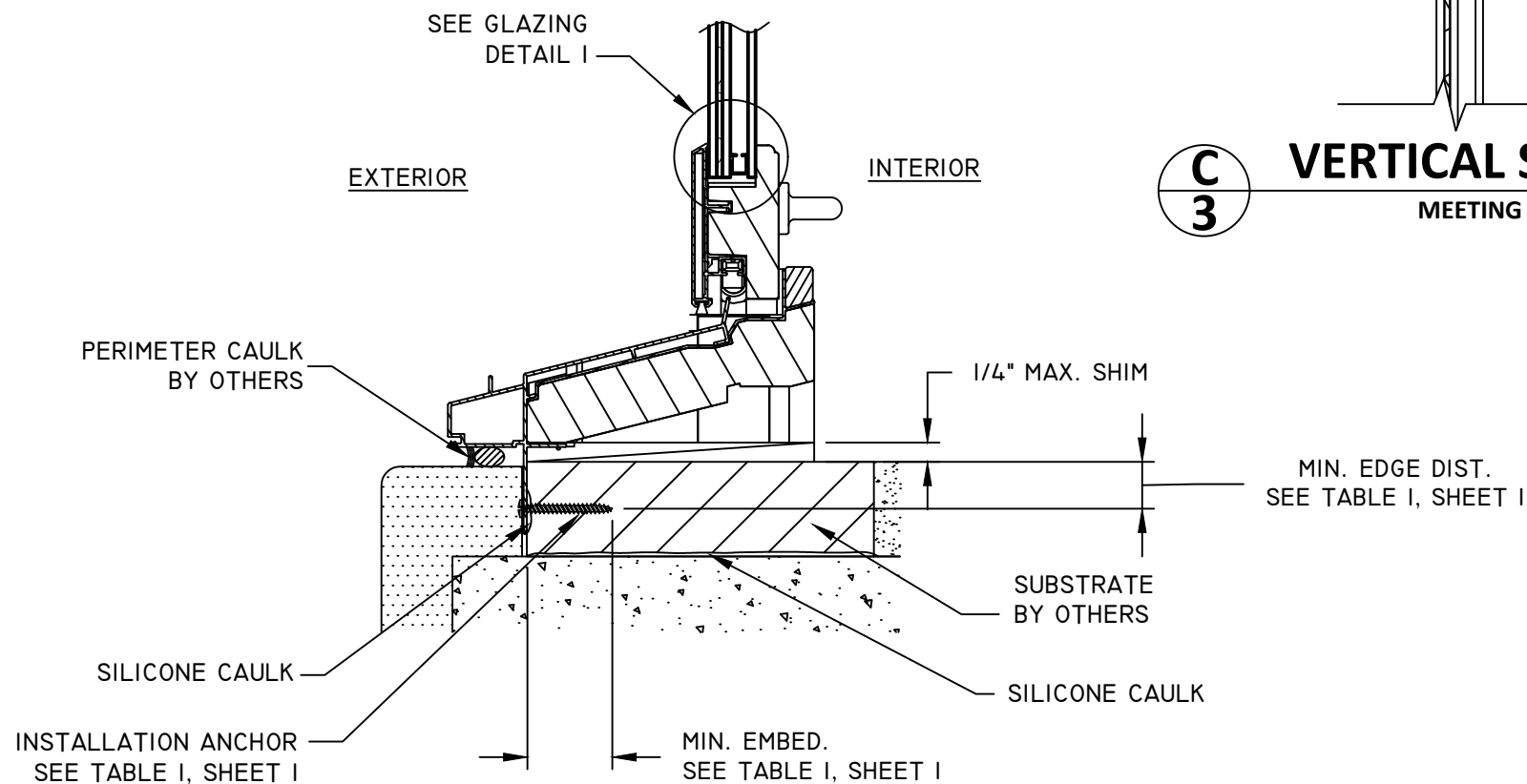
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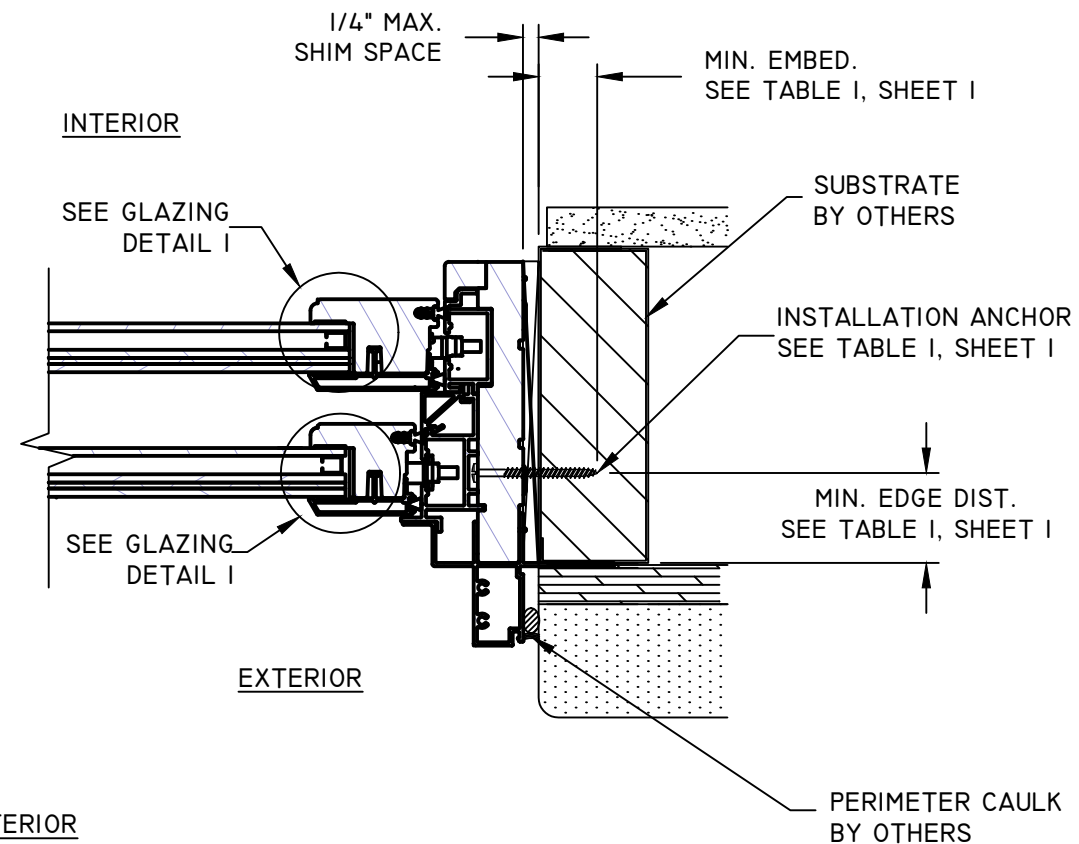
**B
3** **VERTICAL SECTION**
HEAD SHOWN - JAMBS SIMILIAR
FRAME INSTALLATION



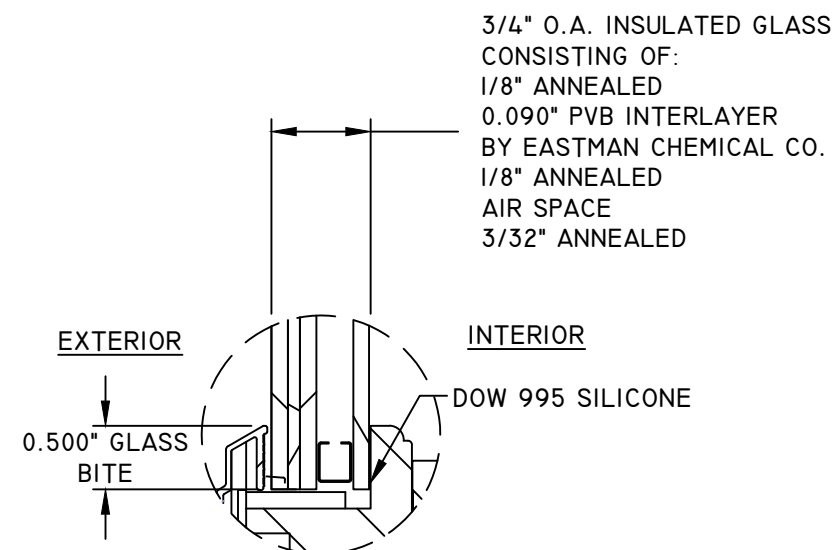
**C
3** **VERTICAL SECTION**
MEETING RAIL



**A
3** **VERTICAL SECTION**
SILL SHOWN - HEAD & JAMBS SIMILAR
FIN INSTALLATION

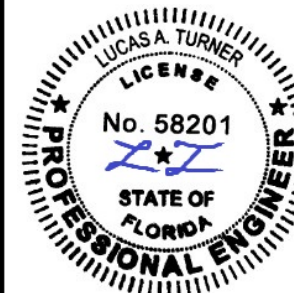


**D
3** **HORIZONTAL SECTION**
JAMB SHOWN - HEAD SIMILAR
FRAME INSTALLATION



GLAZING DETAIL 1

TITLE: PREMIUM MIRA DOUBLE HUNG ALUMINUM CLAD WINDOW CROSS SECTIONS	DATE	BY	REVISION DESCRIPTION	NO.
	02.20.12	DWN BY: GRN	5TH EDITION FBC UPDATE	A
		CHK BY:	ADDED NOTES & TABLE I	B
			7TH EDITION (2020) FBC	C
		SCALE: NTS	UPDATED TO CURRENT FBC	D



03/11/2026
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DWG #: **PGWI44**

SHEET: **3 OF 3**