

PLY GEM WINDOWS

PREMIUM MIRA DOUBLE HUNG WINDOW
(NON-IMPACT)

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 REQUIRES 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 1794W.
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			
41"	77"	LC-PG50	+50/-75 PSF	
37"	81"	LC-PG50	+50/-75 PSF	
45"	81"	LC-PG45	+40/-45 PSF	NON-IMPACT

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Lucas Turner

2026.04.01

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TABLE I: INSTALLATION FASTENERS TABLE

ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED.	MIN. EDGE DISTANCE
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.

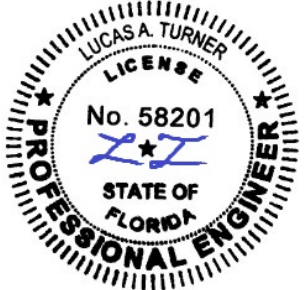


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TITLE: PREMIUM MIRA DOUBLE HUNG WINDOW INSTALLATION & GENERAL NOTES	DATE	BY	SM	LMH	LMH	LMH
	08.21.14			12.05.17	11.29.20	03.11.26
	REVISION DESCRIPTION	5TH EDITION FBC UPDATE	ADDED NOTES & TABLE I	7TH EDITION (2020) FBC	UPDATED TO CURRENT FBC	
	NO.	A	B	C	D	
DATE: 02.06.12	DWN BY: GRN	CHK BY:	SCALE: NTS			



03/11/2026

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TURNER ENGINEERING & CONSULTING, INC.

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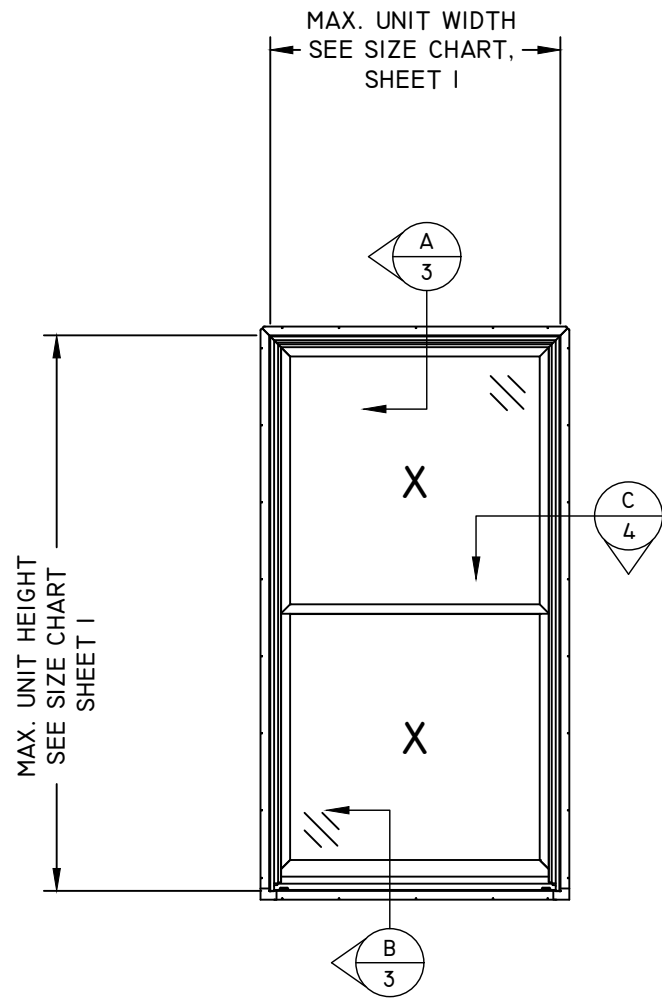
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PH. 941-380-1574

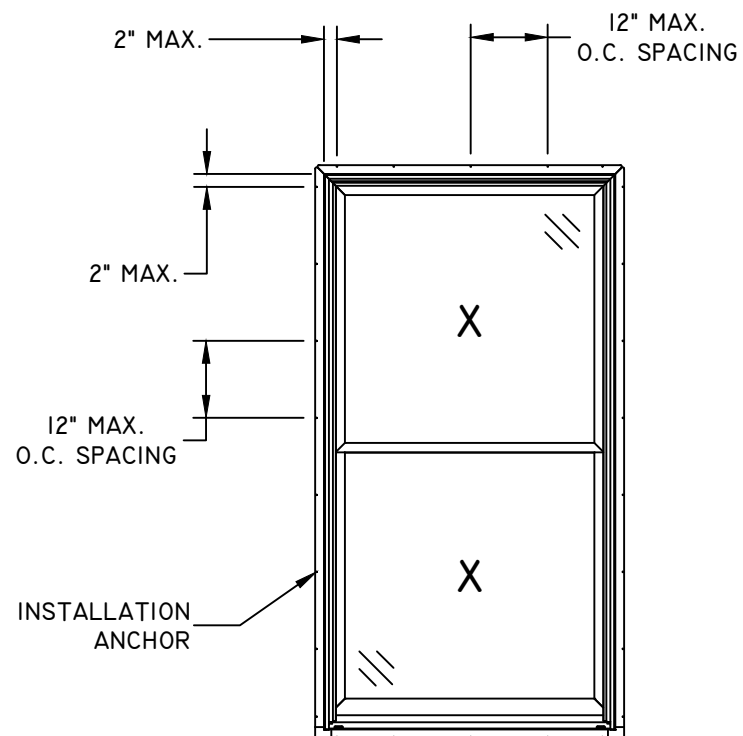
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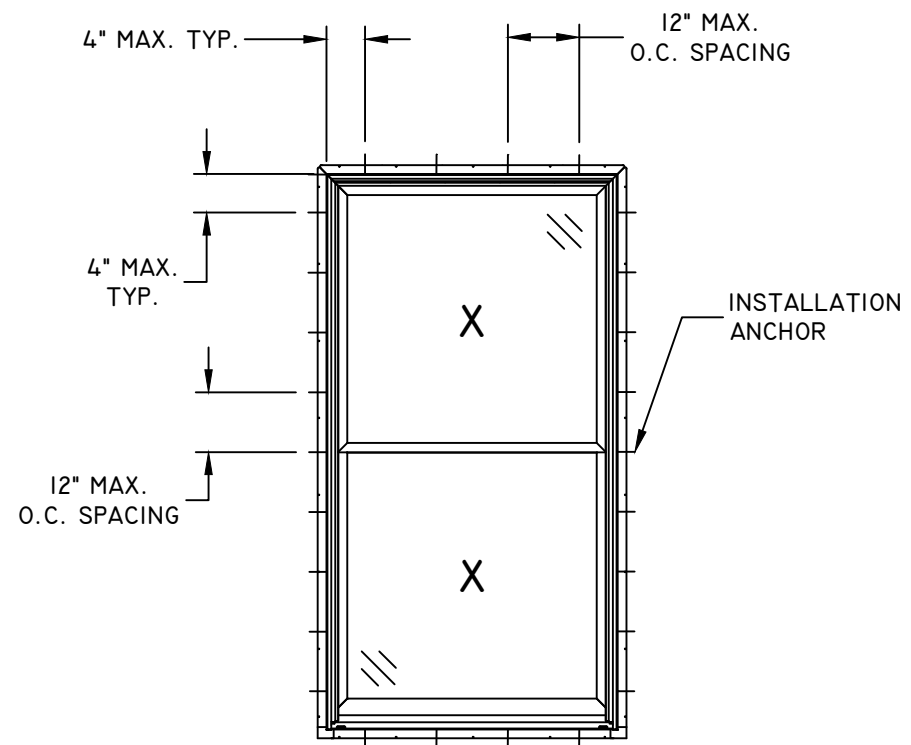
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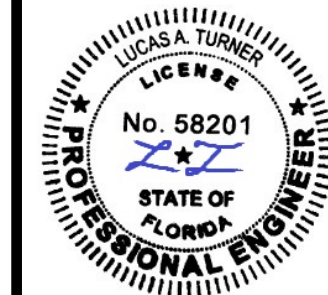
ELEVATION



**ANCHOR LAYOUT
FIN**



**ANCHOR LAYOUT
FRAME**



03/11/2026
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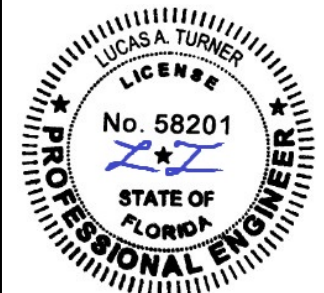
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		02.06.12	SM		08.21.14
		DWN BY: GRN	LMH	5TH EDITION FBC UPDATE	12.05.17
		CHK BY:	LMH	ADDED NOTES & TABLE I	11.29.20
		SCALE: NTS		7TH EDITION (2020) FBC	03.11.26
				UPDATED TO CURRENT FBC	

TITLE: PREMIUM MIRA DOUBLE HUNG WINDOW CROSS SECTIONS & GLAZING DETAILS	DATE	BY	REVISION DESCRIPTION			
	NO.					
	A	SM	5TH EDITION FBC UPDATE	08.21.14	LMH	12.05.17
	B		ADDED NOTES & TABLE I		LMH	11.29.20
	C		7TH EDITION (2020) FBC		LMH	03.11.26
	D		UPDATED TO CURRENT FBC			

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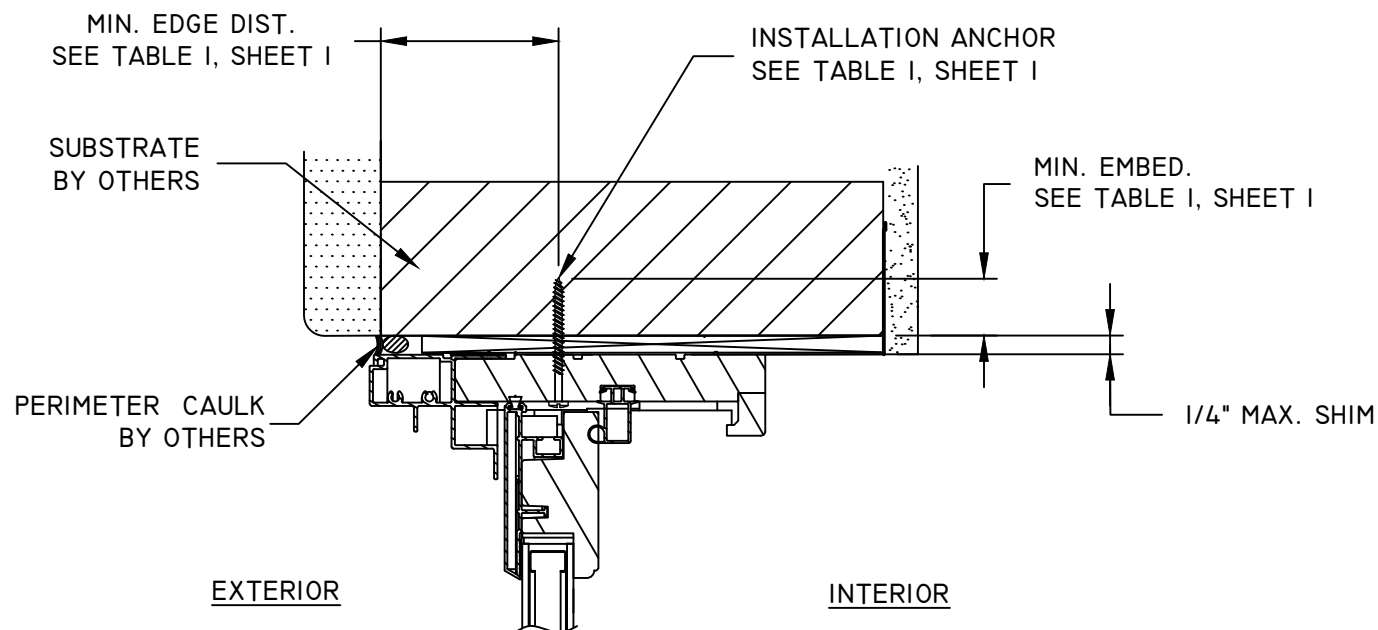


03/11/2026
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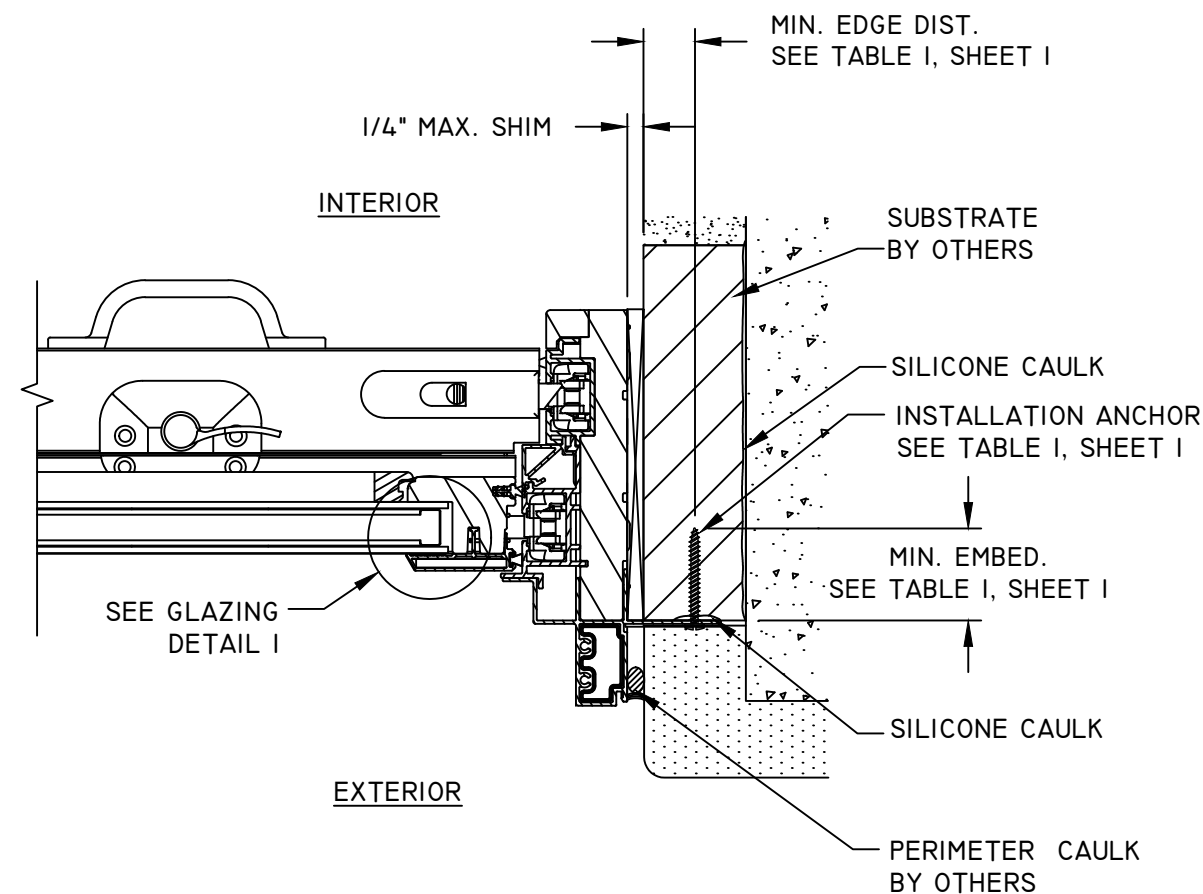
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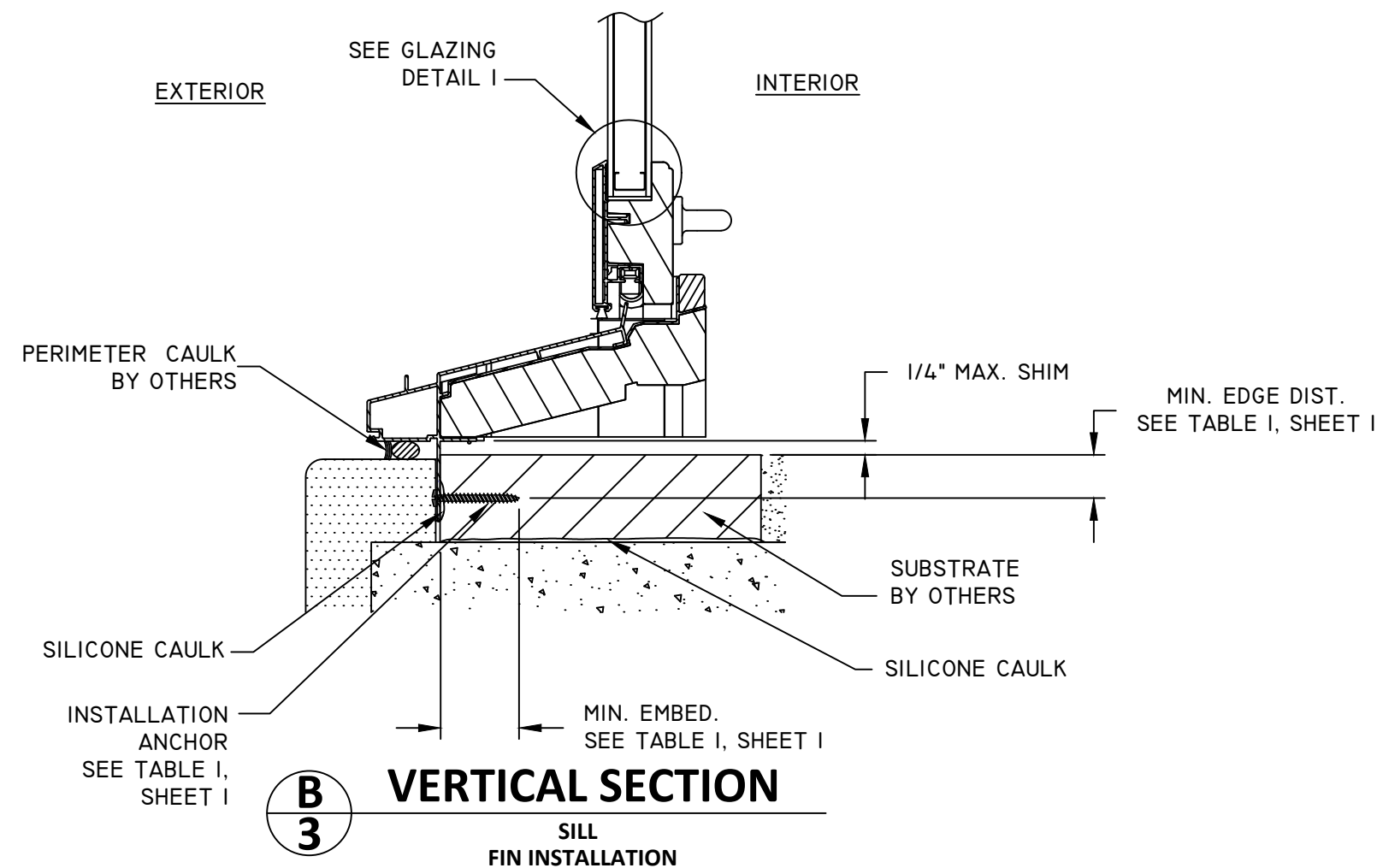
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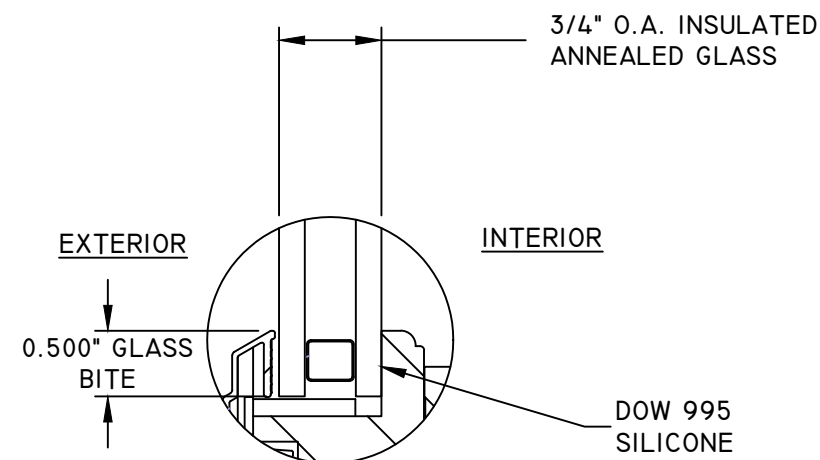
A
3
VERTICAL SECTION
HEAD SHOWN - JAMBS SIMILAR
FRAME INSTALLATION



C
3
HORIZONTAL SECTION
JAMB SHOWN - HEAD & SILL SIMILAR
FIN INSTALLATION



B
3
VERTICAL SECTION
SILL
FIN INSTALLATION



GLAZING DETAIL 1

NOTE: GLAZING CONFIGURATIONS SHALL COMPLY
WITH ASTM E 1300 GLASS CHART REQUIREMENTS.