

PLY GEM WINDOWS

PREMIUM MIRA OUTSWING TWIN STATIONARY DOOR (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 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 Cd = 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-I3907-I & -3.

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		
UNIT SIZE	DESIGN PRESSURE	MISSILE IMPACT RATING
75-1/4" X 98-1/16"	+/- 50.0 PSF	LARGE & SMALL MISSILE IMPACT RATED

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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)	#8 WOOD SCREW	1-1/2"	7/16"
B	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"
FRAME INSTALLATION				
C	2X MIN. SOUTHERN PINE WOOD (G=0.55)	#8 WOOD SCREW	1-3/8"	3/4"
D	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.

PlyGem®

RESIDENTIAL SOLUTIONS

A division of Cornerstone Building Brands

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TITLE: PREMIUM MIRA OS TWIN STATIONARY DOOR GENERAL & INSTALLATION NOTES	DATE	08.27.14	12.08.17	12.04.20
	BY	SM	LMH	LMH
	REVISION DESCRIPTION	5TH EDITION FBC UPDATE	ADDED NOTES & TABLE I	7TH EDITION 2020 FBC
	NO.	A	B	C
	DATE:	02.22.12	DWN BY: GRN	CHK BY: SCALE: NTS

LUCAS A. TURNER

LICENSE

No. 58201

STATE OF FLORIDA

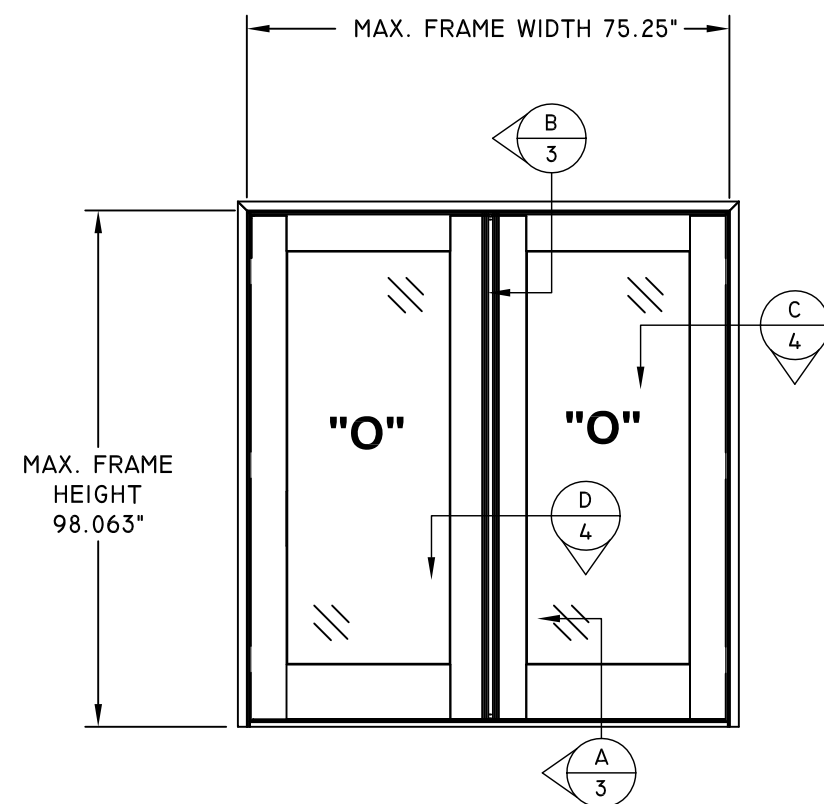
PROFESSIONAL ENGINEER

12/04/2020
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING & CONSULTING, INC.
(COA # 29779)
2428 OLD NATCHEZ TRACE TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

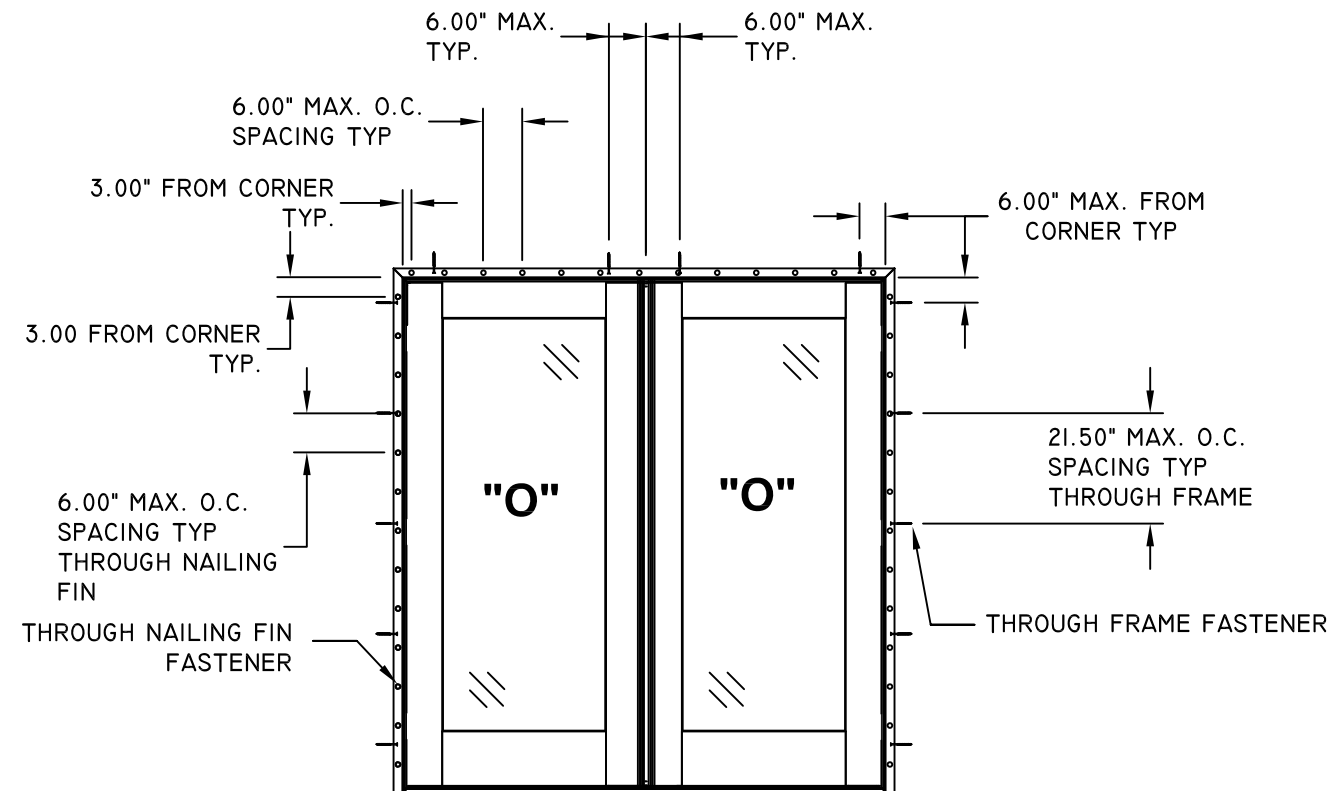
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DWG #: PGWI63

SHEET: 1 OF 4



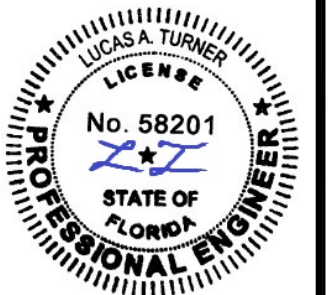
ELEVATION



ANCHOR LAYOUT
FIN

NOTE: UNIT MUST BE INSTALLED WITH ANCHORS THROUGH FRAME AND THROUGH NAILING FIN SIMULTANEOUSLY.

TITLE: PREMIUM MIRA OS TWIN STATIONARY DOOR ELEVATION & ANCHOR LAYOUT	DATE	BY			
	REVISION DESCRIPTION	SM	LMH	LMH	
	NO.	A	B	C	
DATE: 02.22.12	DWN BY: GRN	CHK BY:	SCALE: NTS		



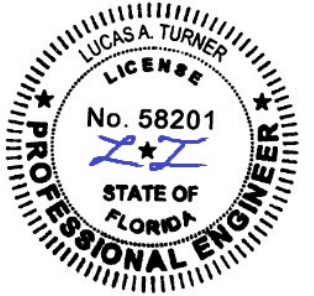
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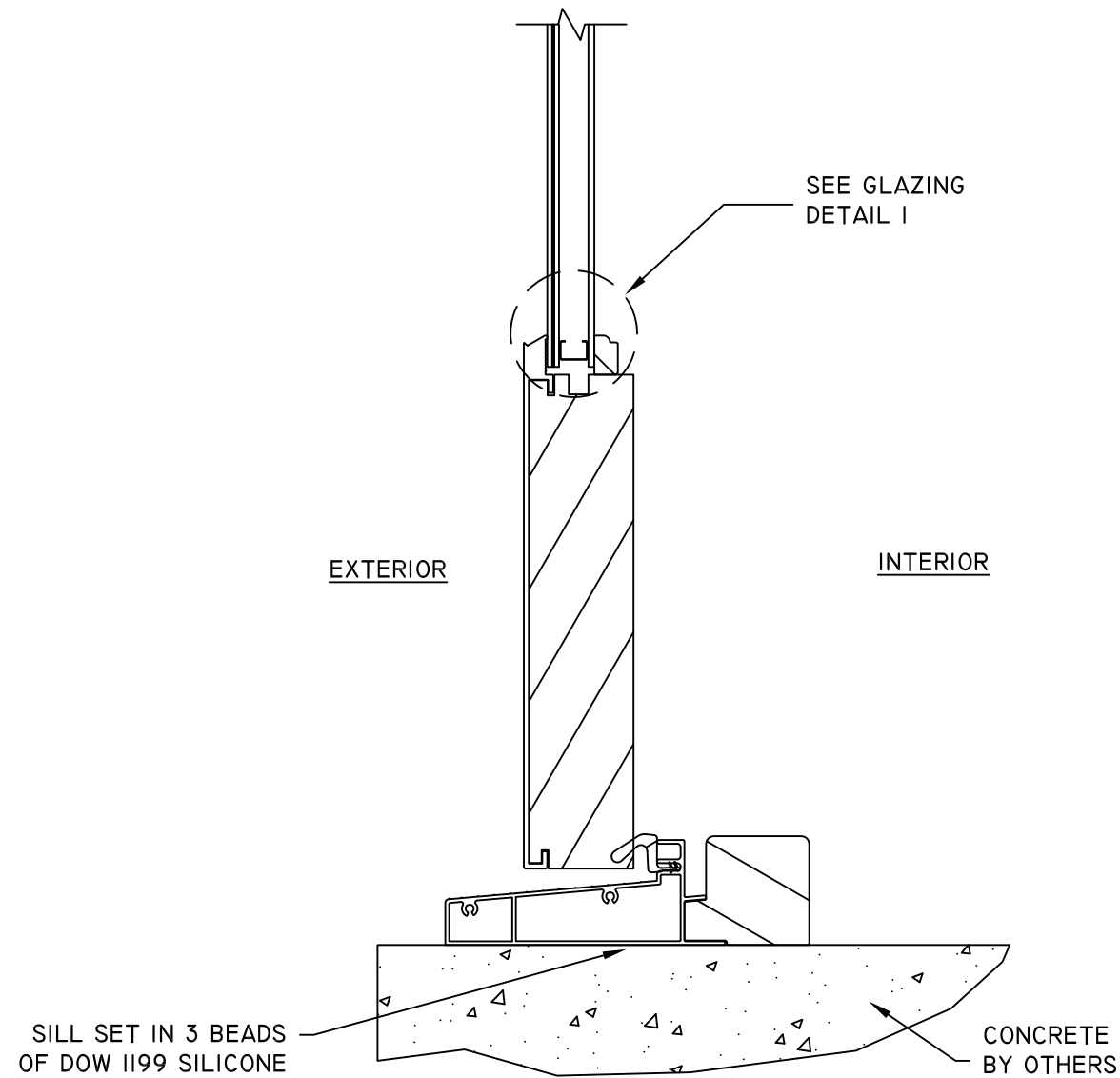
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	08.27.14	SM	5TH EDITION FBC UPDATE		
	12.08.17	LMH	ADDED NOTES & TABLE I		
	12.04.20	LMH	7TH EDITION 2020 FBC		
DATE: 02.22.12	DWN BY: GRN	CHK BY:	SCALE: NTS		

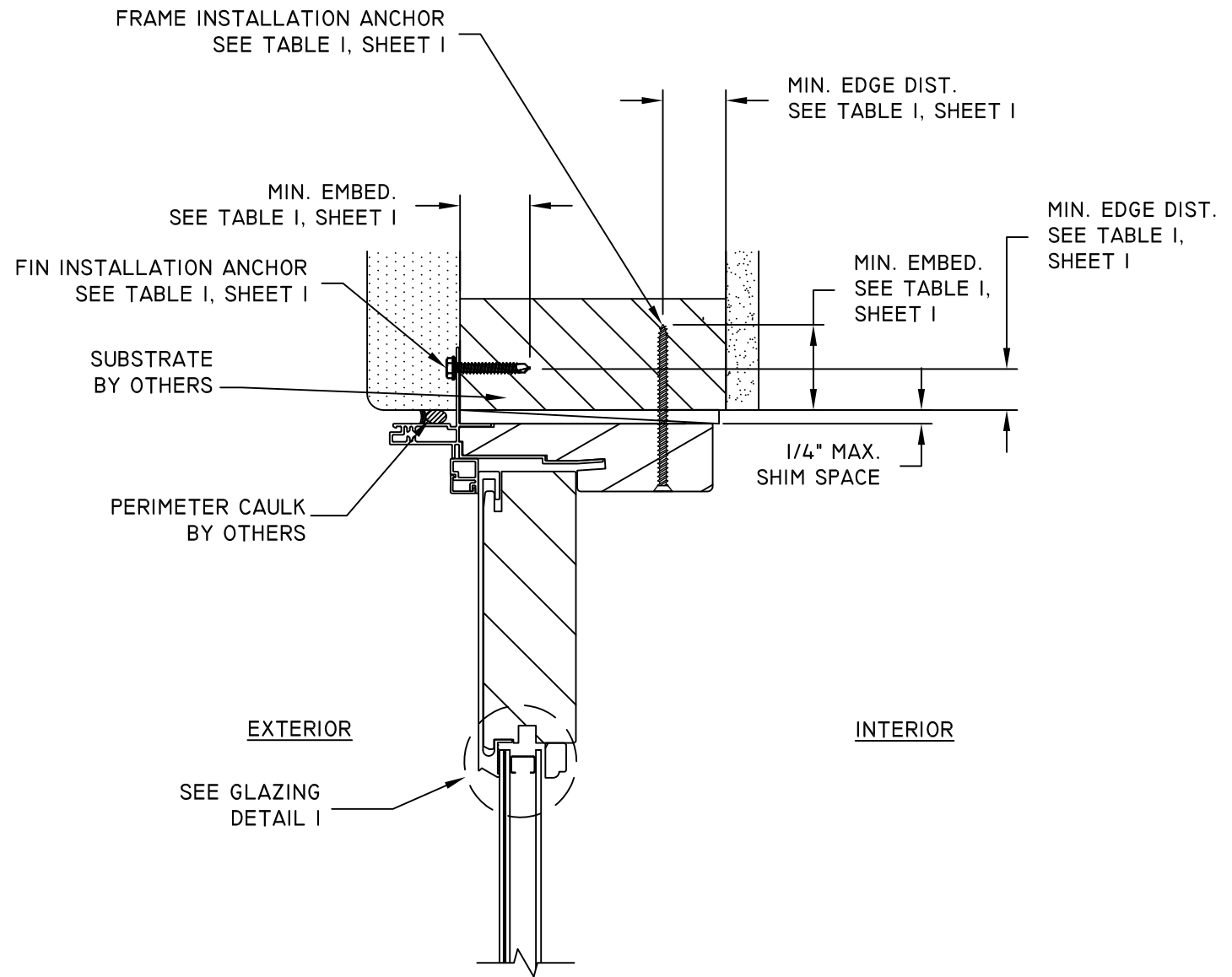


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SHEET: **3 OF 4**



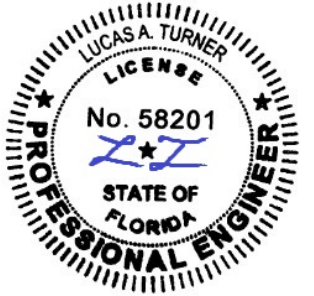
A
3 **VERTICAL SECTION**
CONCRETE/MASONRY SILL



B
3 **VERTICAL SECTION**
HEAD

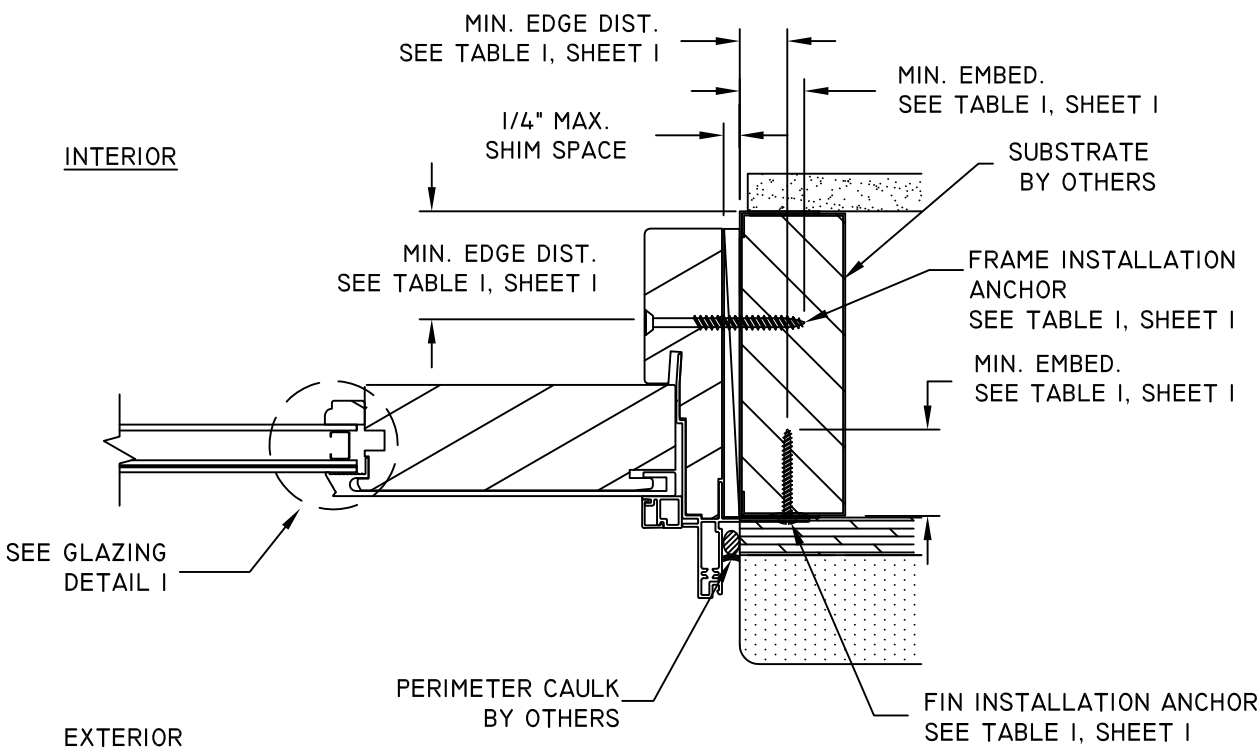
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	08.27.14	SM	A	5TH EDITION FBC UPDATE
	12.08.17	LMH	B	ADDED NOTES & TABLE I
	12.04.20	LMH	C	7TH EDITION 2020 FBC

DATE: 02.22.12	DWN BY: GRN	CHK BY:	SCALE: NTS
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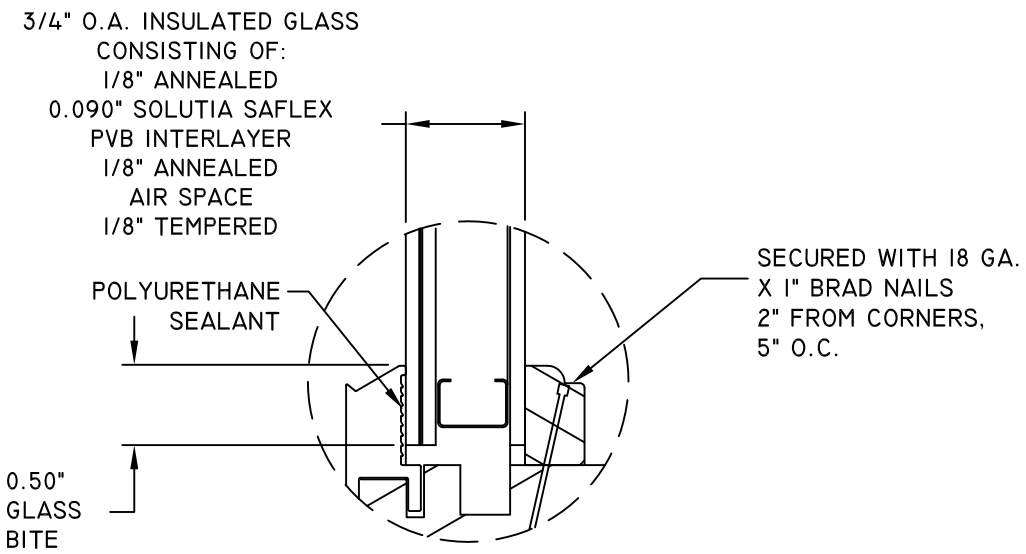


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SHEET:	4 OF 4

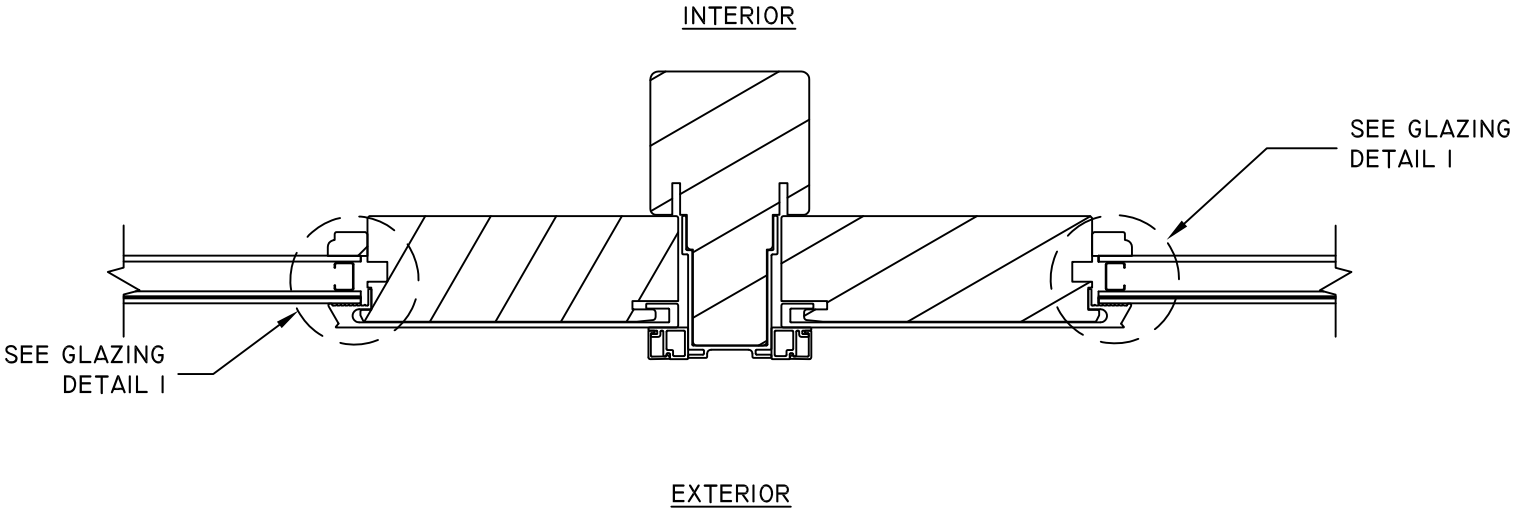


C
4 **HORIZONTAL SECTION**
JAMB



GLAZING DETAIL 1

NOTE:
ALL GLAZING CONFIGURATIONS SHALL
COMPLY WITH SAFETY GLAZING
REQUIREMENTS OUTLINED IN THE CURRENT
FBC.



D
4 **HORIZONTAL SECTION**
VERTICAL MULLION