

PLY GEM WINDOWS

PREMIUM MIRA INSWING CENTER HINGED DOOR
(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 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-I3903-I.

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 RATING			
UNIT SIZE	DESIGN PRESSURE - ALL SIZES		MISSILE IMPACT RATING
75-3/8" X 98-3/4"	+45* /- 50 PSF	W/ WATER INFILTRATION REQUIRED	NON-IMPACT
	+50 /- 50 PSF	W/O WATER INFILTRATION REQUIRED	

*+50 PSF CAN BE ACHIEVED IF UNIT INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THAT THE OVERHANG RATIO (OH) = OH LENGTH/OH HEIGHT GREATER THAN 1.0 WHERE WATER INFILTRATION IS REQUIRED.

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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.

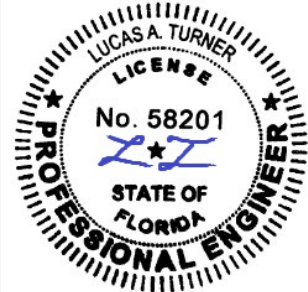
PlyGem

RESIDENTIAL SOLUTIONS

A division of Cornerstone Building Brands

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TITLE: PREMIUM MIRA INSWING CENTER HINGED DOOR GENERAL AND INSTALLATION NOTES	DATE	08.27.14	REVISION DESCRIPTION	SM	08.27.14	5TH EDITION FBC UPDATE	ADDED NOTES & TABLE I	7TH EDITION 2020 FBC
	BY	LMH		LMH	12.08.17			
	NO.	A		B				
	SCALE:	NTS						
DATE: 04.23.12	DWN BY: GRN	CHK BY:						



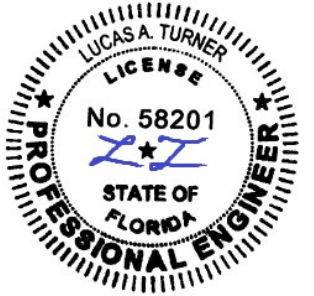
12/04/2020
LUCAS A. TURNER, P.E.
FL PE # 58201
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2428 OLD NATCHEZ TRACE
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FL#: 15541

DWG #: PGWI65

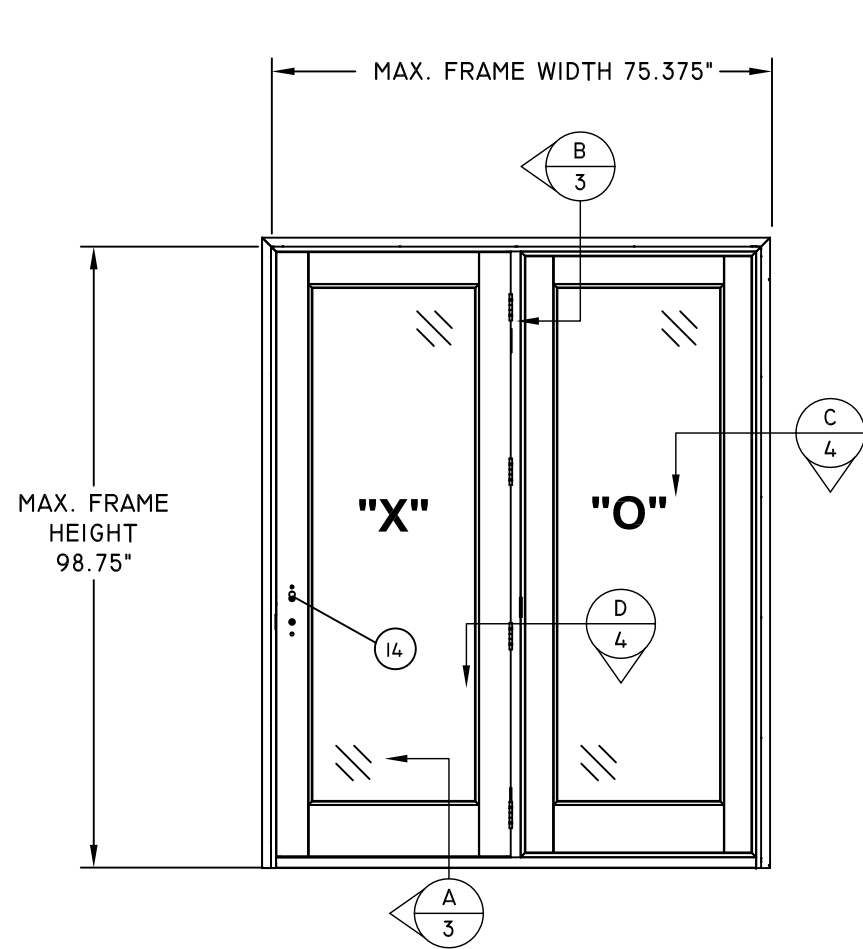
SHEET: 1 OF 4

TITLE: PREMIUM MIRA INSWING CENTER HINGED DOOR ELEVATION AND ANCHOR LAYOUTS	DATE	BY	REVISION DESCRIPTION		
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		CHK BY:		B	ADDED NOTES & TABLE I
		SCALE: NTS		C	7TH EDITION 2020 FBC

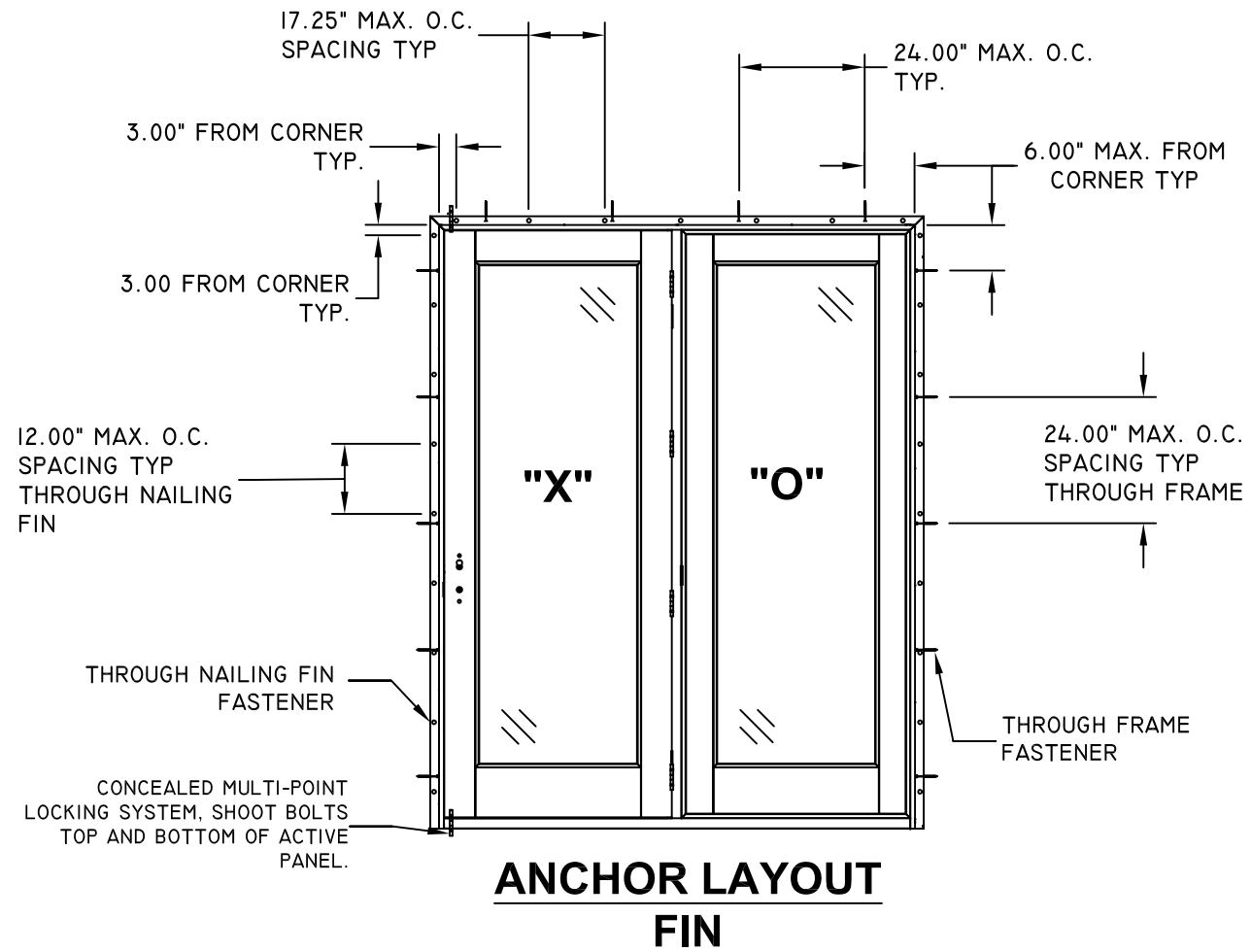


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DWG #: PGWI65
SHEET: 2 OF 4

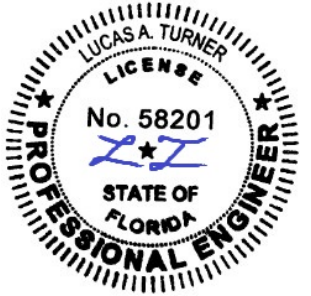


ELEVATION



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

TITLE: PREMIUM MIRA INSWING CENTER HINGED DOOR VERTICAL SECTIONS	DATE	BY	REVISION DESCRIPTION		
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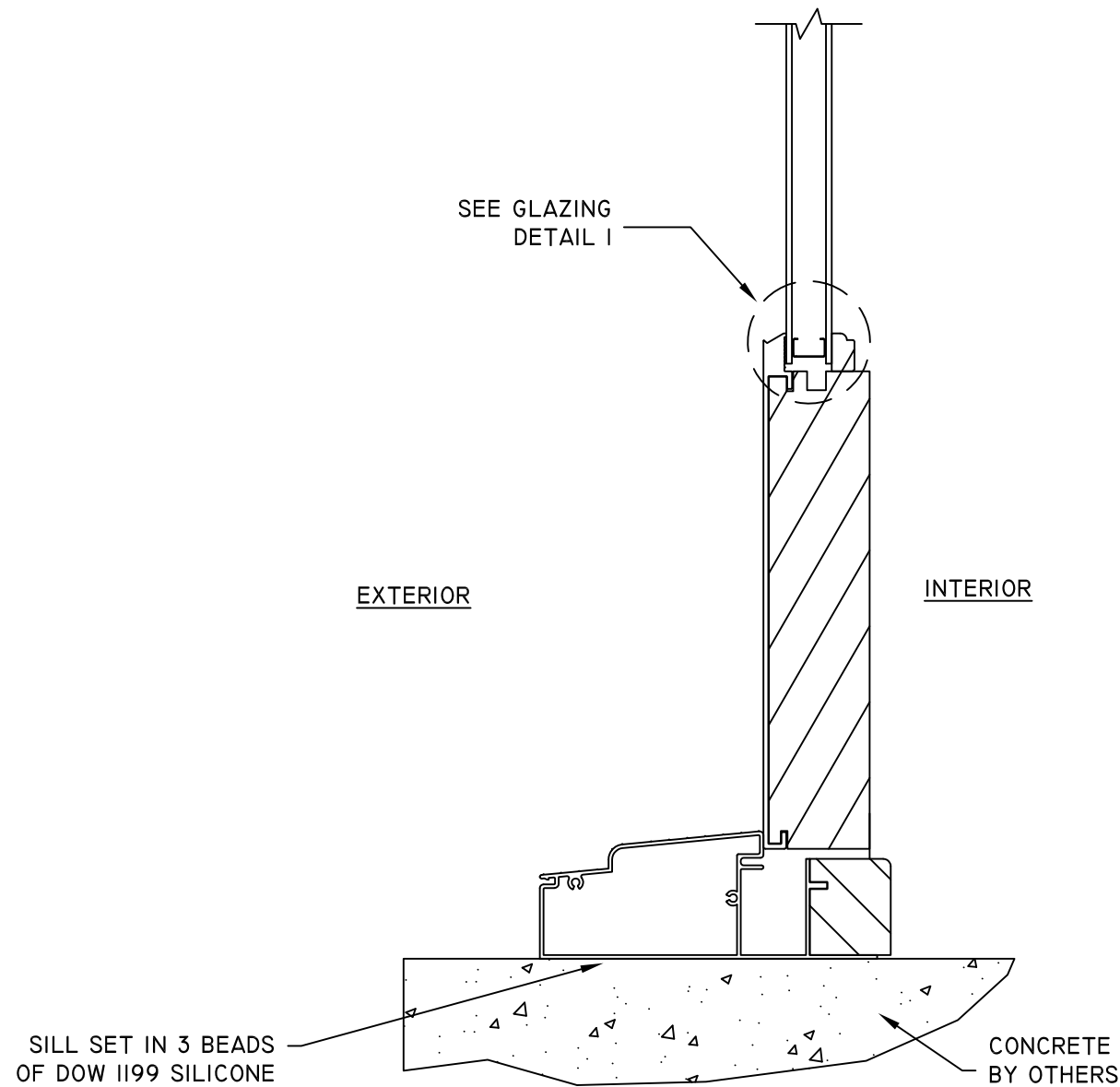


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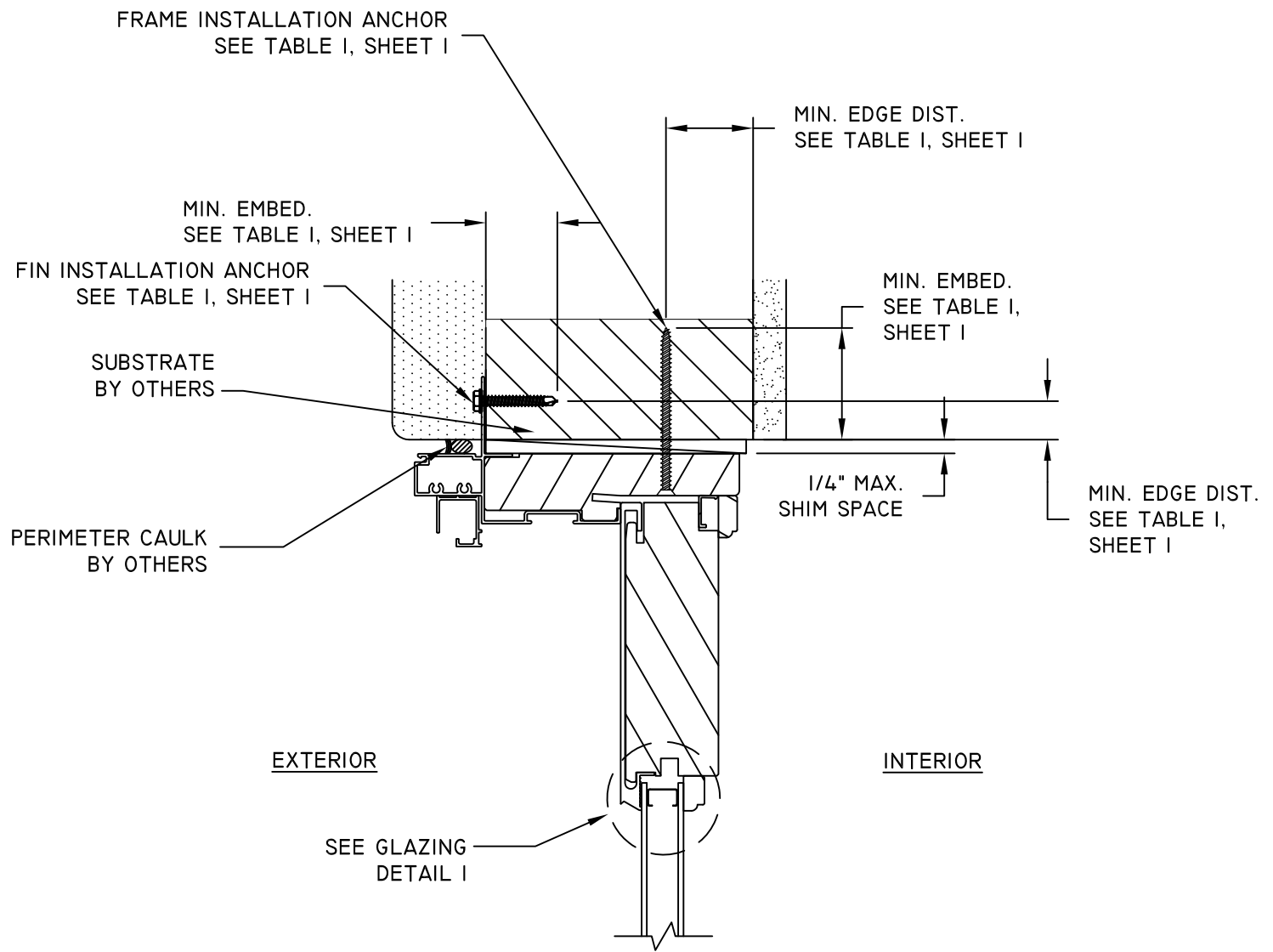
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DWG #: PGWI65

SHEET: 3 OF 4



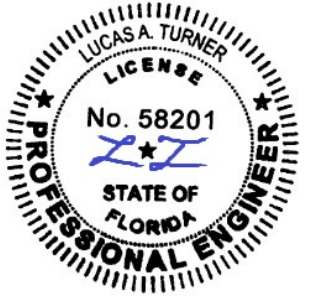
A
3 VERTICAL SECTION
SILL - ACTIVE PANEL



B
3 VERTICAL SECTION
HEAD - INACTIVE PANEL

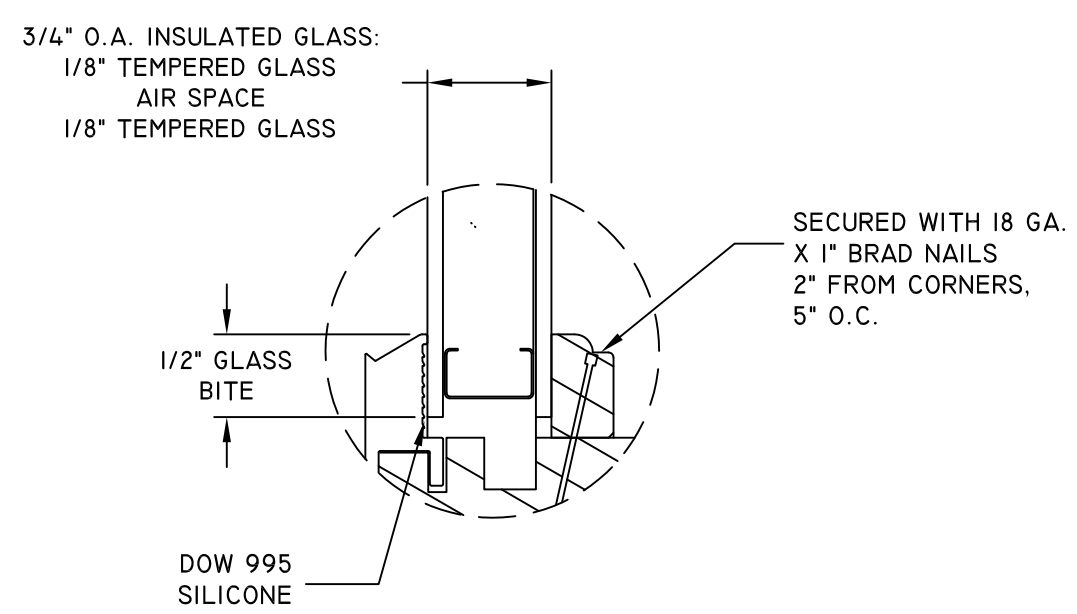
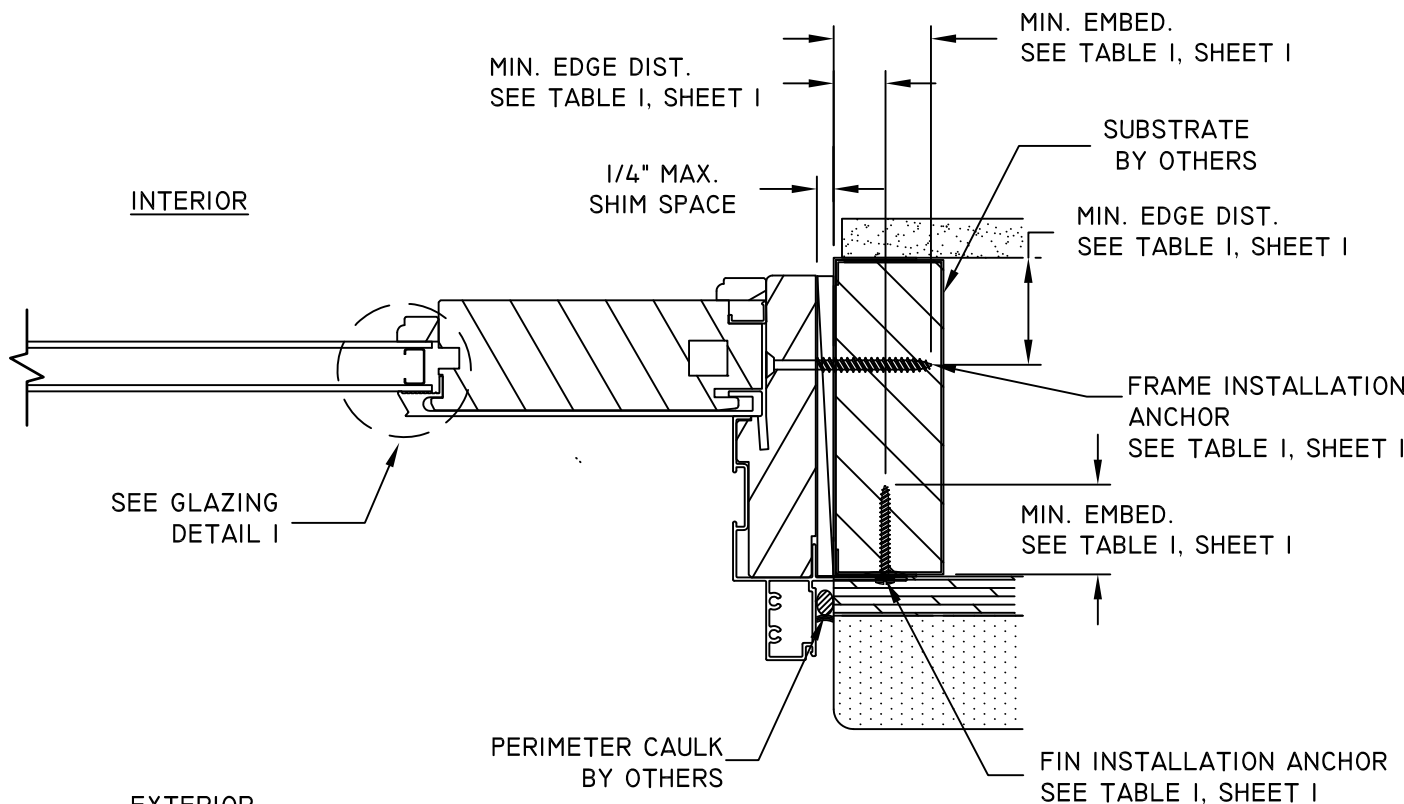
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	12.08.17	LMH	ADDED NOTES & TABLE I		
	12.04.20	LMH	7TH EDITION 2020 FBC		

DATE: 04.23.12	DWN BY: GRN	CHK BY:	SCALE: NTS
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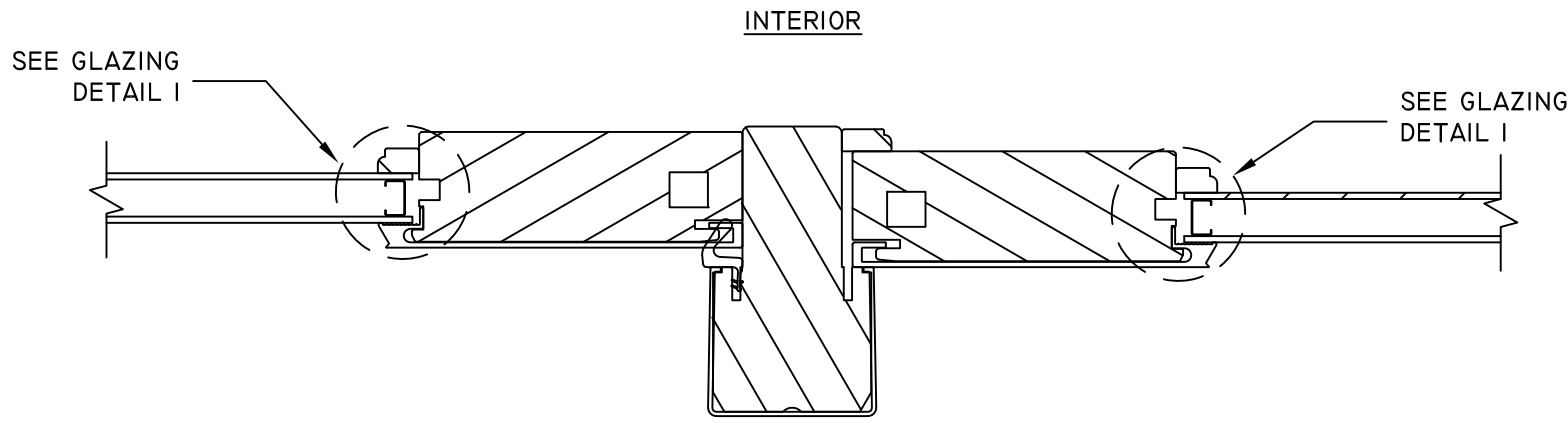
FL#:	15541
DWG #:	PGWI65
SHEET:	4 OF 4



GLAZING DETAIL 1

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

C
4 **HORIZONTAL SECTION**
JAMB - INACTIVE PANEL



D
4 **HORIZONTAL SECTION**
VERTICAL MULLION