

PLY GEM WINDOWS

PREMIUM MIRA SERIES BI-PARTING SLIDING GLASS 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 E2112 AND IS NOT ADDRESSED BY THIS DOCUMENT.
9. INSTALLED GLAZING SHALL COMPLY WITH ASTM EI300.
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 110-16386-1.
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 RATING		
UNIT SIZE	DESIGN PRESSURE	MISSILE IMPACT RATING
140-5/8" X 98-13/16"	+/-50.0 PSF	LARGE & SMALL

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Lucas Turner

2026.04.02

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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®

WINDOWS & DOORS

Part of the Cornerstone Building Brands Family

433 N. MAIN ST.,
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ROCKY MOUNT, VA 24151
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TITLE: PREMIUM MIRA BI-PARTING SGD GENERAL AND INSTALLATION NOTES	DATE	12.09.17	03.27.19	03.31.26
	BY	LMH	LMH	LMH
	REVISION DESCRIPTION	ADDED NOTES & TABLE 1	ADDED TEST REPORTS TO NOTE 12.	CURRENT FBC
	NO.	A	B	C
DATE: 03.28.14	DWN BY: TJM	CHK BY:	SCALE: NTS	

LUCAS A. TURNER

LICENSE

No. 58201

PROFESSIONAL ENGINEER

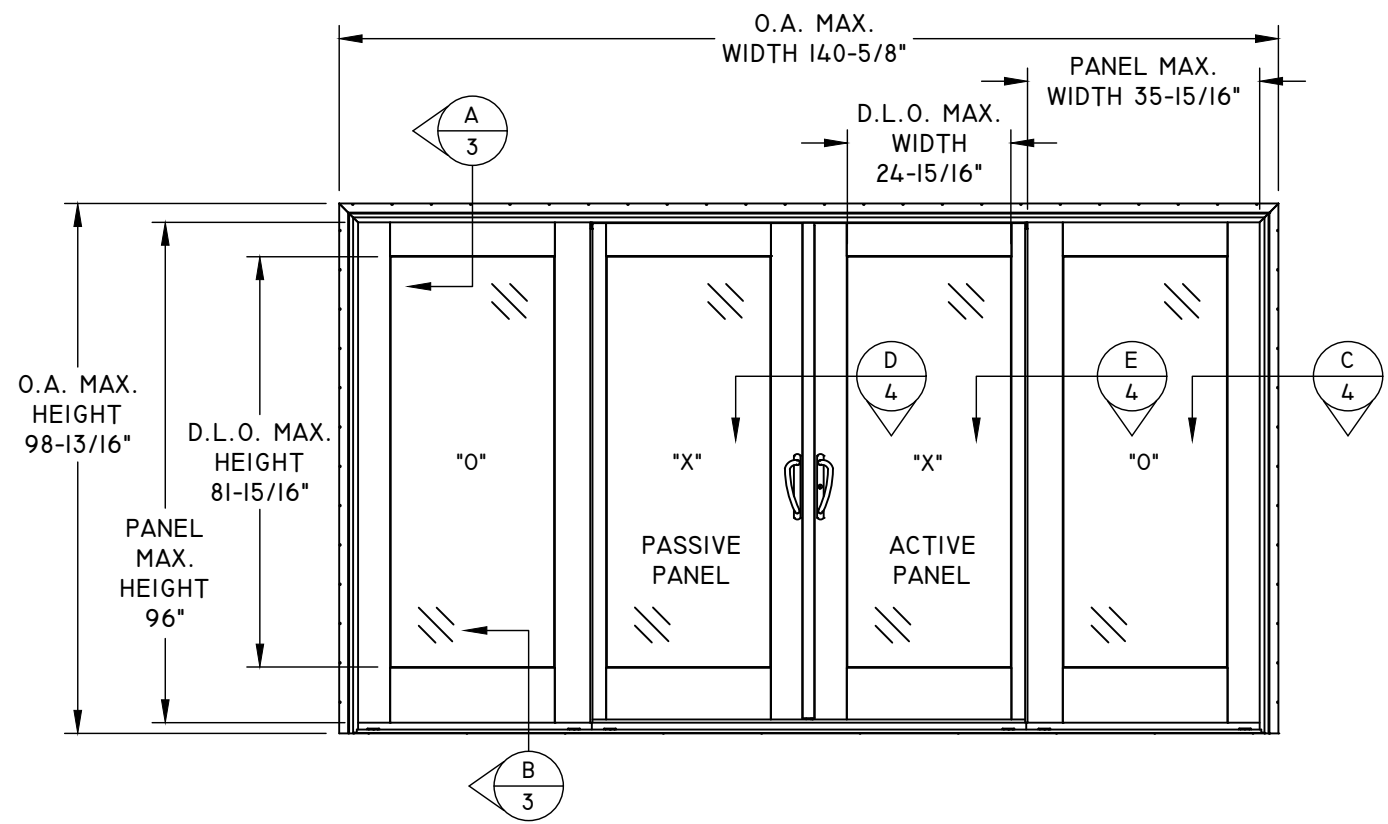
STATE OF FLORIDA

03/31/2026
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

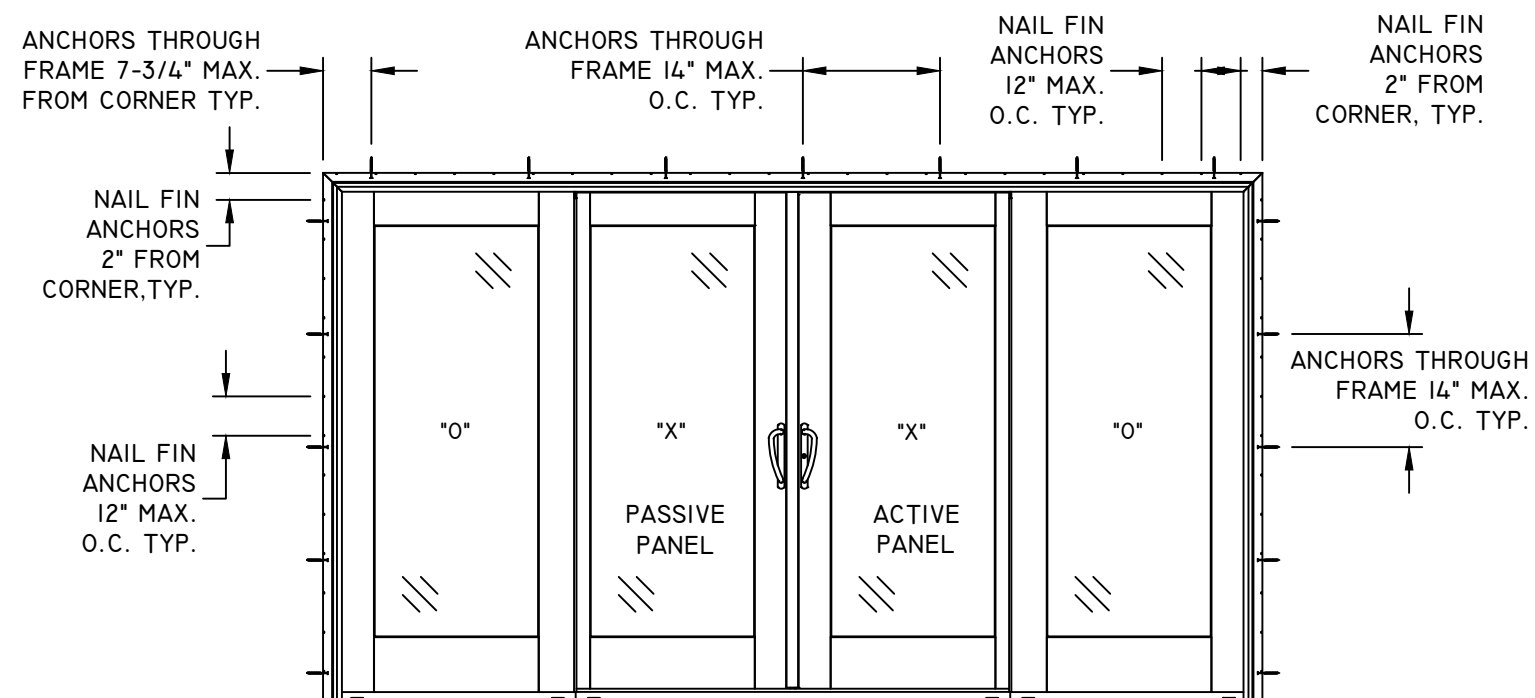
FL#: 15540

DWG #: PGW205

SHEET: 1 OF 4



ELEVATION

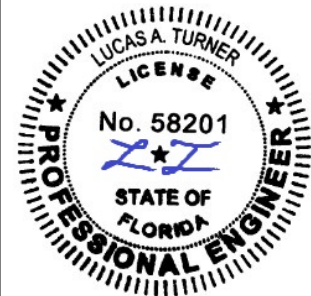


ANCHOR LAYOUT

NAILING FIN INSTALLATION

NOTE:
NAILING FIN INSTALLATION REQUIRES ANCHORS THROUGH THE FIN AND THROUGH THE FRAME SIMULTANEOUSLY.

TITLE: PREMIUM MIRA BI-PARTING SGD ELEVATION & ANCHOR LAYOUTS	DATE	BY	REVISION DESCRIPTION		
	NO.	A	B	C	
		ADDED NOTES & TABLE 1	ADDED TEST REPORTS TO NOTE 12.	CURRENT FBC	
		LMH	LMH	LMH	
DATE: 03.28.14	DWN BY: TJM	CHK BY:	SCALE: NTS		

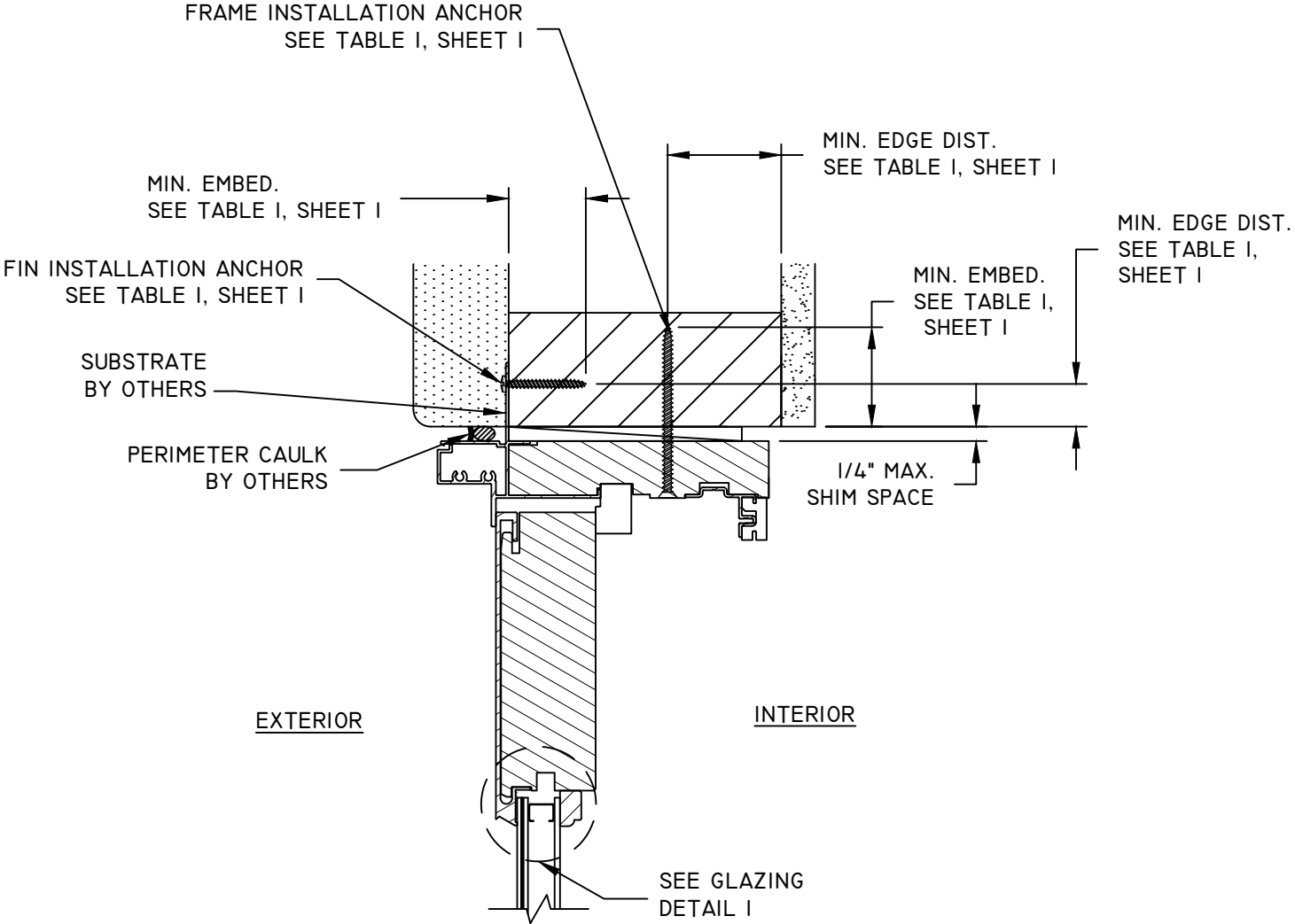


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FL#: 15540

DWG #: PGW205

SHEET: 2 OF 4

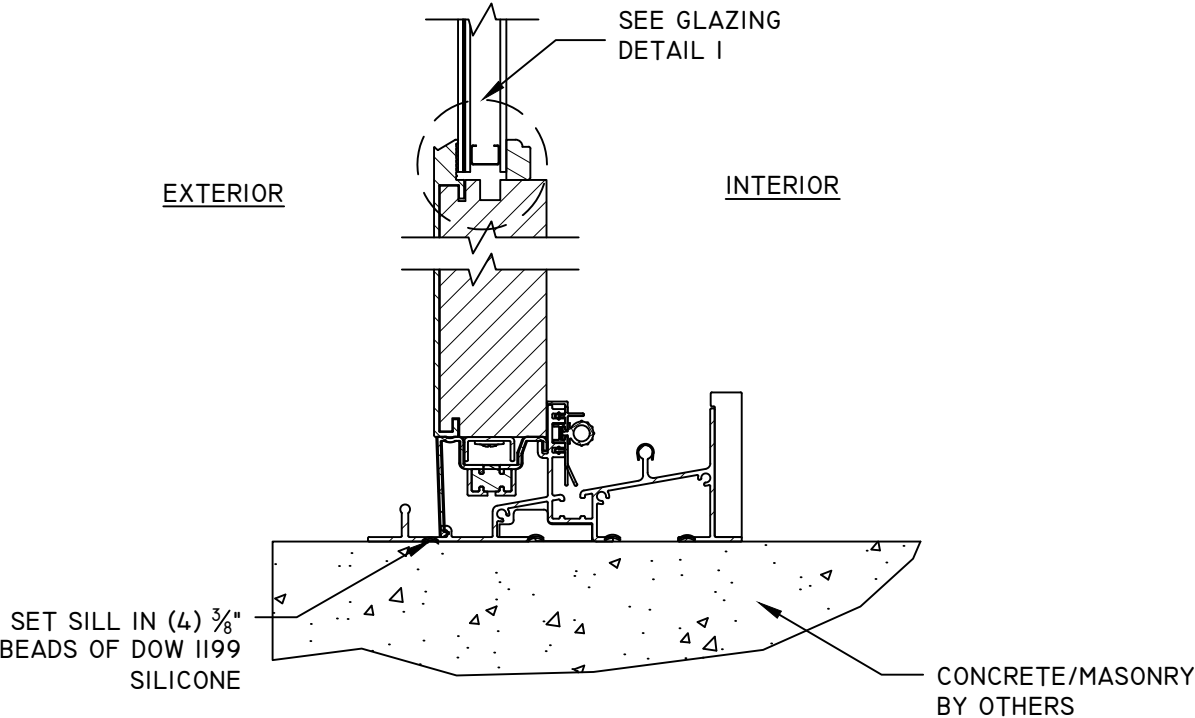


A

3

VERTICAL SECTION

FIXED PANEL



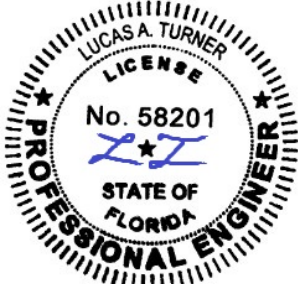
B

3

VERTICAL SECTION

SILL
FIXED PANEL

NOTE:
IX WOOD BUCK BY OTHERS IS OPTIONAL
FOR MASONRY APPLICATIONS



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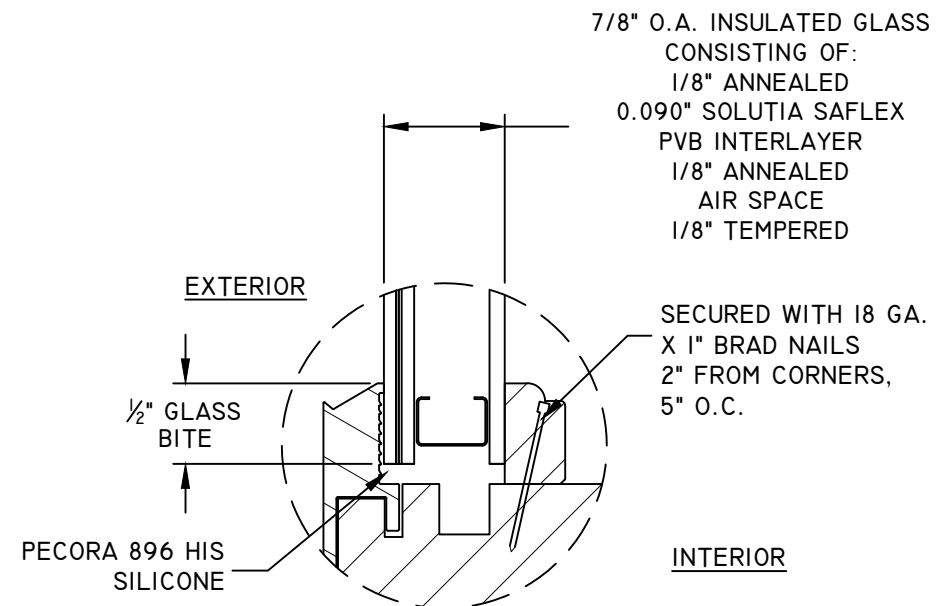
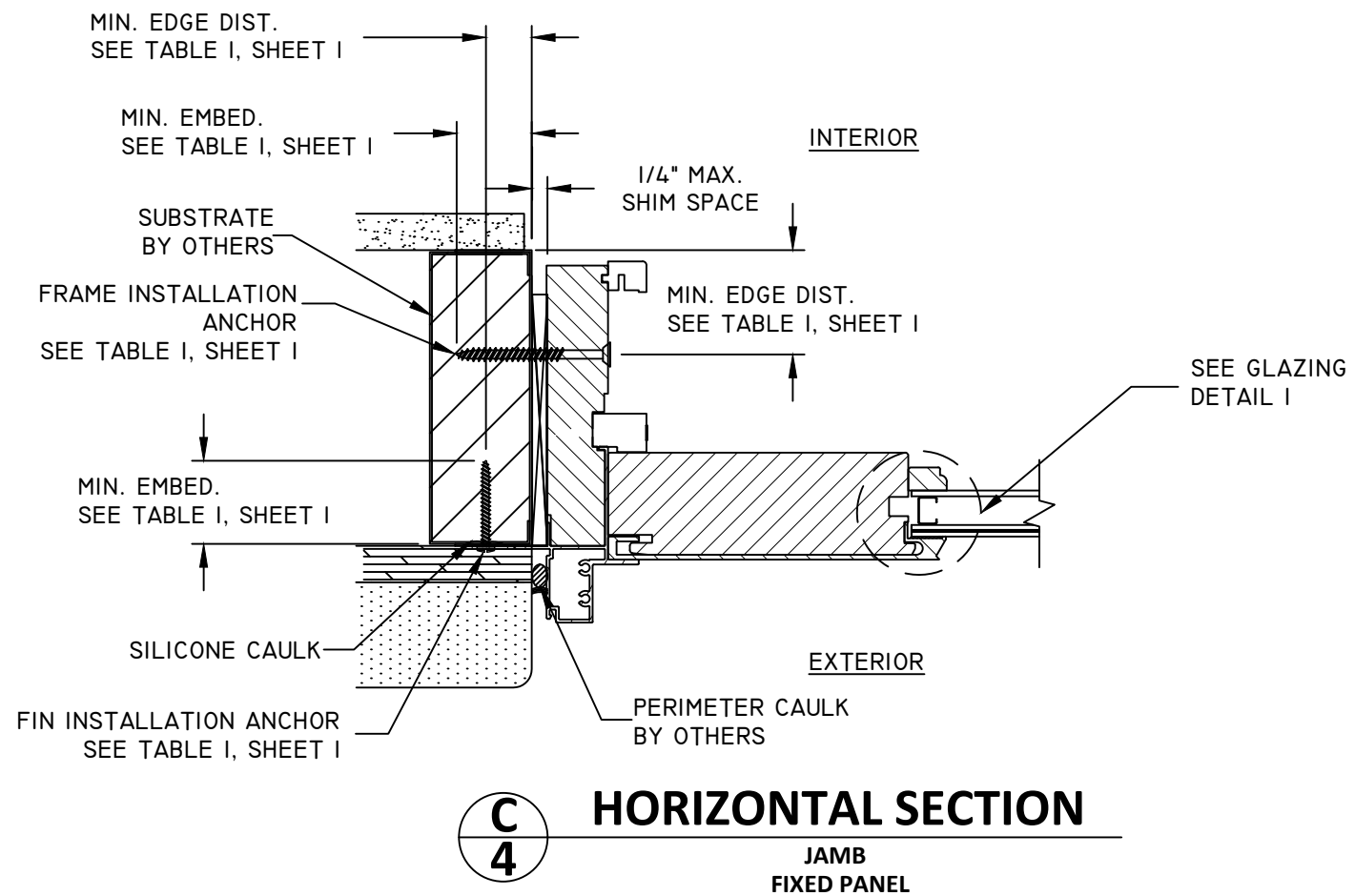
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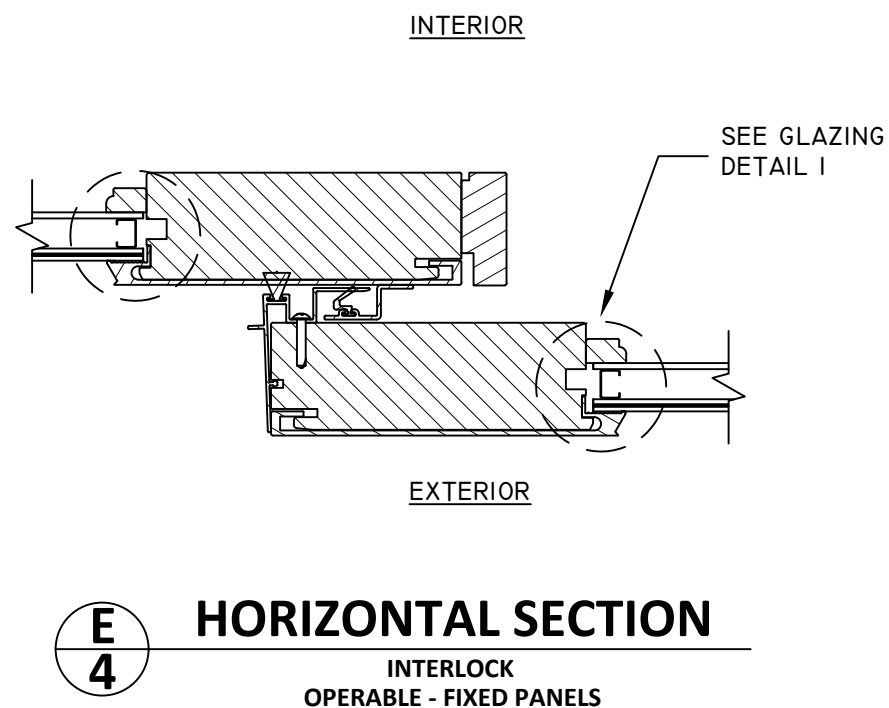
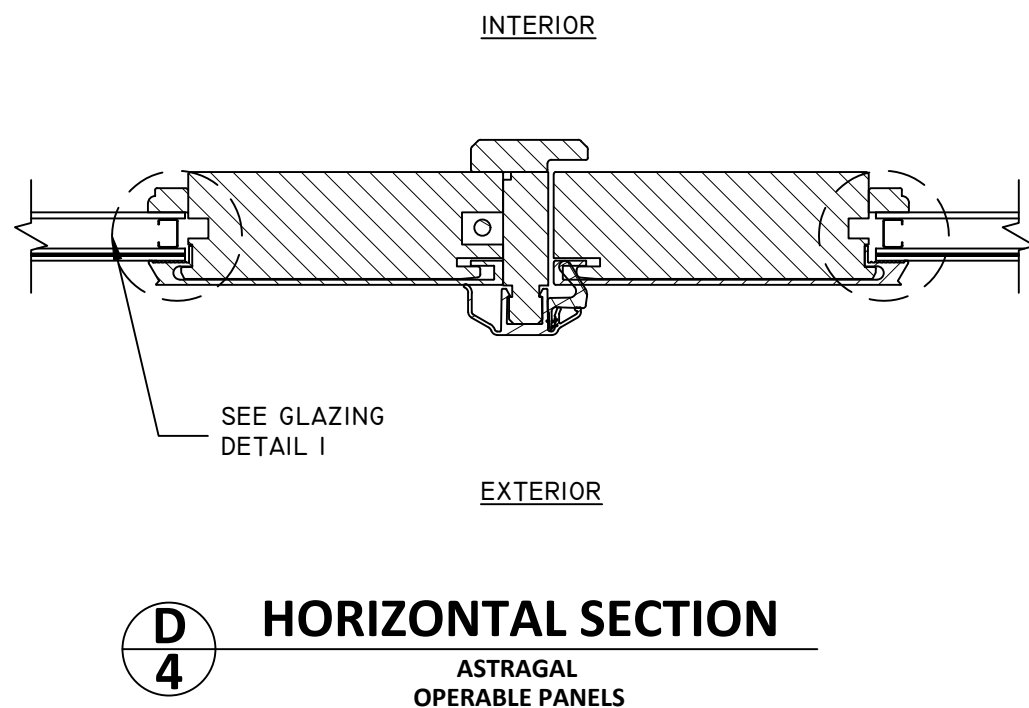
SHEET: 3 OF 4

TITLE: PREMIUM MIRA BI-PARTING SGD VERTICAL SECTIONS	DATE	12.09.17	03.27.19	03.31.26
	BY	LMH	LMH	LMH
	REVISION DESCRIPTION			
	NO.	A	B	C
		ADDED NOTES & TABLE I	ADDED TEST REPORTS TO NOTE 12.	CURRENT FBC

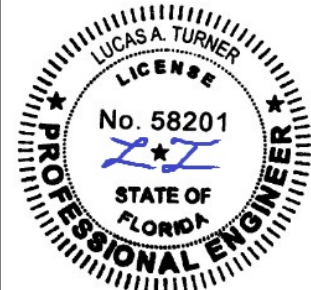
DATE: 03.28.14	DWN BY: TJM	CHK BY:	SCALE: NTS
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GLAZING DETAIL 1



TITLE: PREMIUM MIRA BI-PARTING SGD HORIZONTAL SECTION & GLAZING DETAIL		DATE	BY	REVISION DESCRIPTION	NO.
		12.09.17	LMH	ADDED NOTES & TABLE I	A
		03.27.19	LMH	ADDED TEST REPORTS TO NOTE I2.	B
		03.31.26	LMH	CURRENT FBC	C
DATE: 03.28.14	DWN BY: TJM	CHK BY:	SCALE: NTS		



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DWG #:
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SHEET: **4 OF 4**