

PLY GEM WINDOWS

PREMIUM MIRA SERIES BI-PARTING SLIDING GLASS 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 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 I10-I4336-I AND ARCHITECTURAL TESTING INC., YORK, PA B2832.01-I09-44-R0.
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
144.63" X 98.88"	+/-40.0 PSF	NON-IMPACT
140.63" X 98.88"	+/-50.0 PSF	NON-IMPACT

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL & INSTALLATION NOTES
2	ELEVATION & ANCHOR LAYOUT
3	VERTICAL SECTIONS
4	HORIZONTAL SECTIONS & GLAZING DETAIL

Lucas Turner

2026.04.02

10:58:36

-05'00'

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.,
PO BOX 559,
ROCKY MOUNT, VA 24151
PH: 540-484-6348
FX: 540-484-6683

TITLE: PREMIUM MIRA BI-PARTING SLIDING GLASS DOOR GENERAL AND INSTALLATION NOTES	DATE	12.09.17	06.03.18	12.03.20	03.31.26
	BY	LMH	LMH	LMH	LMH
	REVISION DESCRIPTION				
	ADDED NOTES & TABLE I				
	CORRECTED SIZE CHART				
DATE: 09.27.11	NO.	B	C	D	E
	DWN BY:	JLA	CHK BY:	SCALE:	NTS

LUCAS A. TURNER

LICENSE

No. 58201

PROFESSIONAL ENGINEER

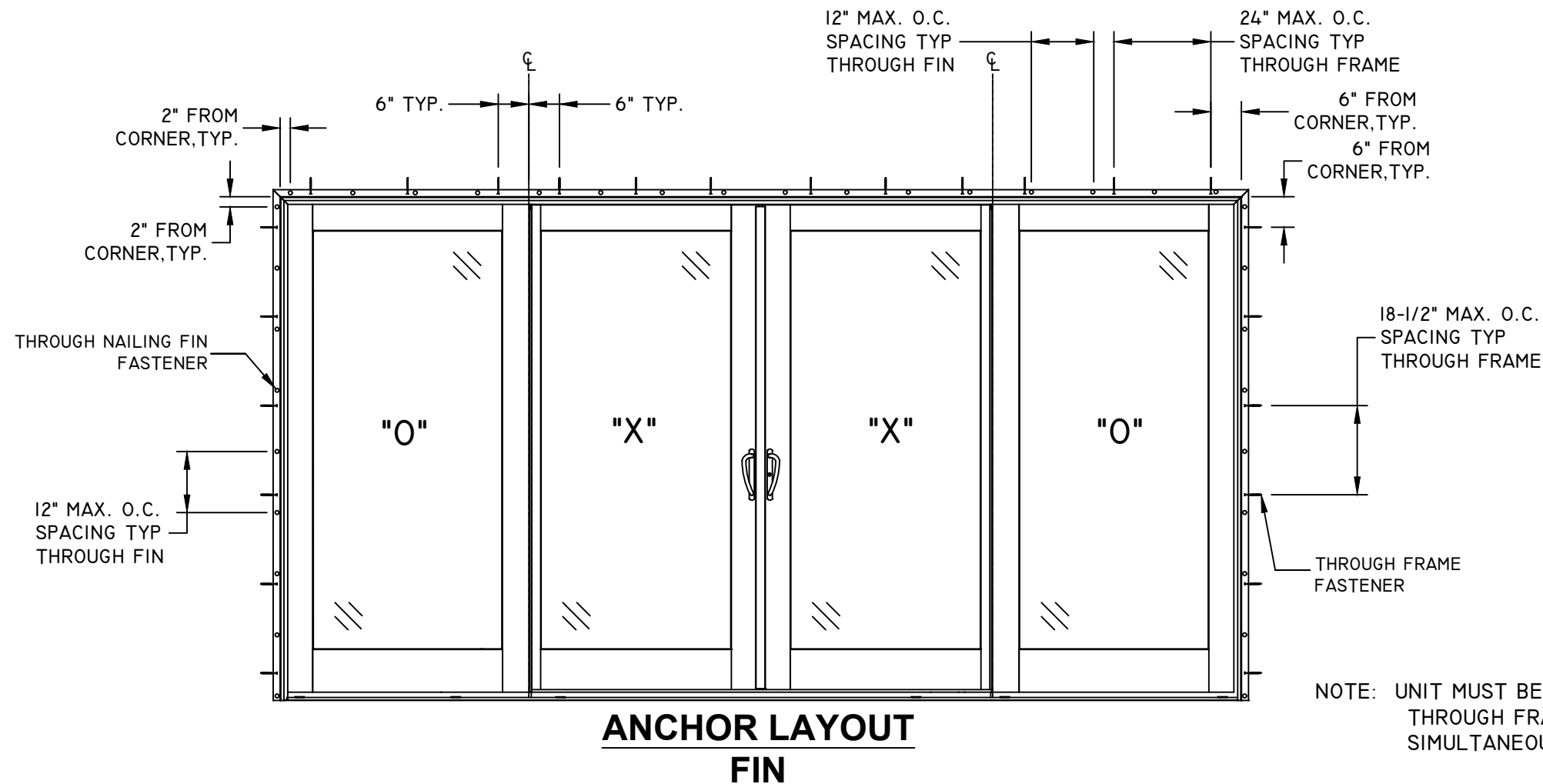
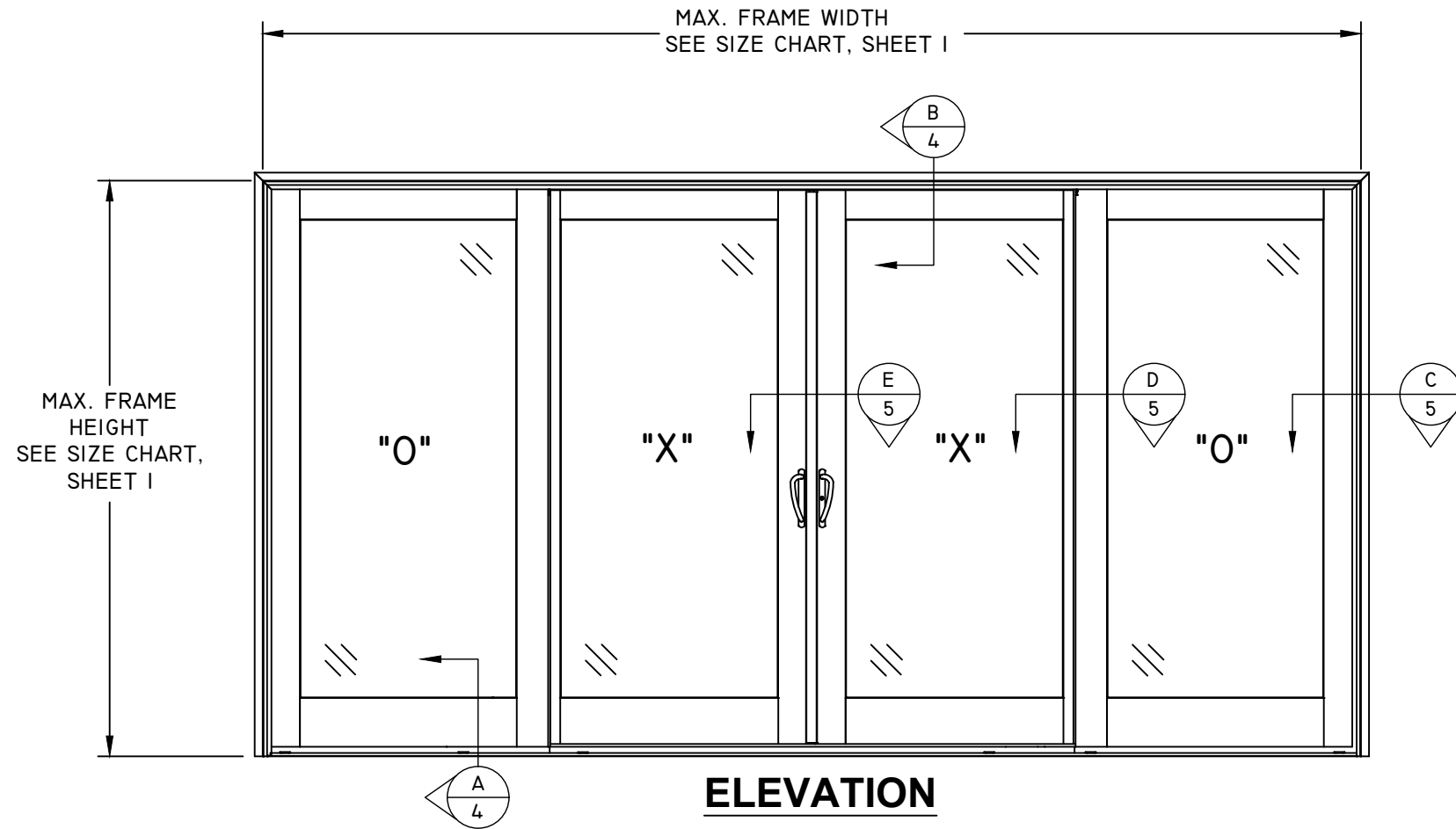
STATE OF FLORIDA

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 #: PGWI66

SHEET: 1 OF 4



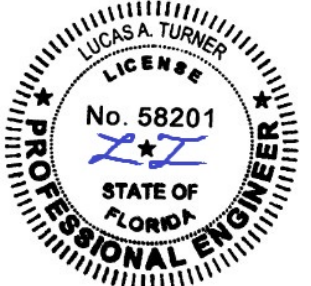
NOTE: UNIT MUST BE INSTALLED WITH ANCHORS THROUGH FRAME AND THROUGH NAILING FIN SIMULTANEOUSLY.

TITLE: PREMIUM MIRA BI-PARTING SLIDING GLASS DOOR ELEVATION AND ANCHOR LAYOUT					DATE	BY
					12.09.17	LMH
NO.					REVISION DESCRIPTION	BY
					ADDED NOTES & TABLE 1	LMH
B					CORRECTED SIZE CHART	LMH
					7TH EDITION 2020 FBC	LMH
C					7TH EDITION 2020 FBC	LMH
					CURRENT FBC	LMH
D					7TH EDITION 2020 FBC	LMH
					CURRENT FBC	LMH
E					7TH EDITION 2020 FBC	LMH
					CURRENT FBC	LMH

DATE: 09.27.11
DWN BY: JLA
CHK BY: .
SCALE: NTS

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

TITLE: PREMIUM MIRA BI-PARTING SLIDING GLASS DOOR				
VERTICAL SECTIONS				
NO.	REVISION DESCRIPTION	BY	DATE	
B	ADDED NOTES & TABLE I	LMH	12.09.17	
C	CORRECTED SIZE CHART	LMH	06.03.18	
D	7TH EDITION 2020 FBC	LMH	12.03.20	
E	CURRENT FBC	LMH	03.31.26	
DATE: 09.27.11		DWN BY: JLA	CHK BY:	SCALE: NTS

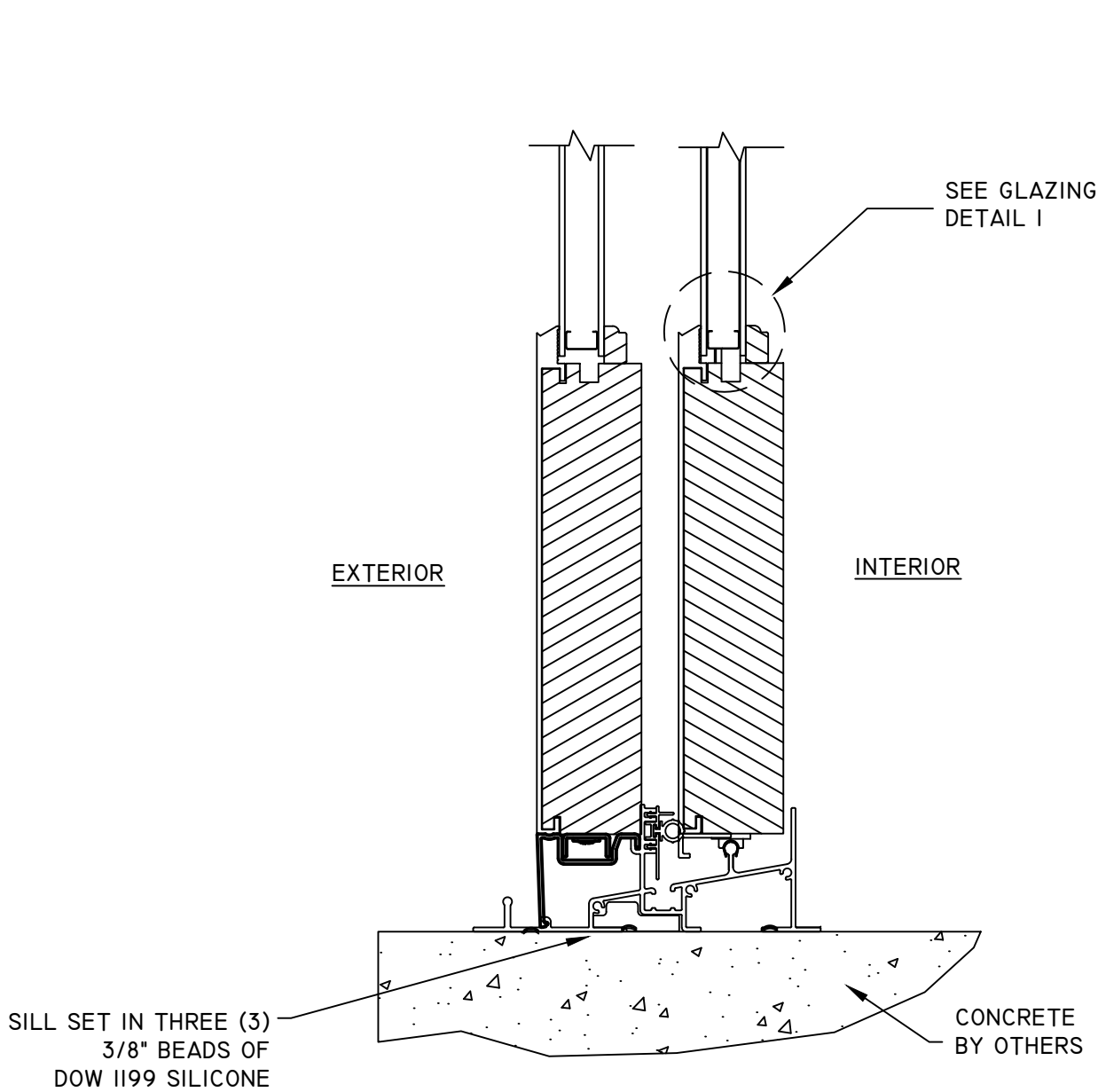


03/31/2026
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING &
CONSULTING, INC.
(COA # 29779)
2428 OLD NATCHEZ TRACE
TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

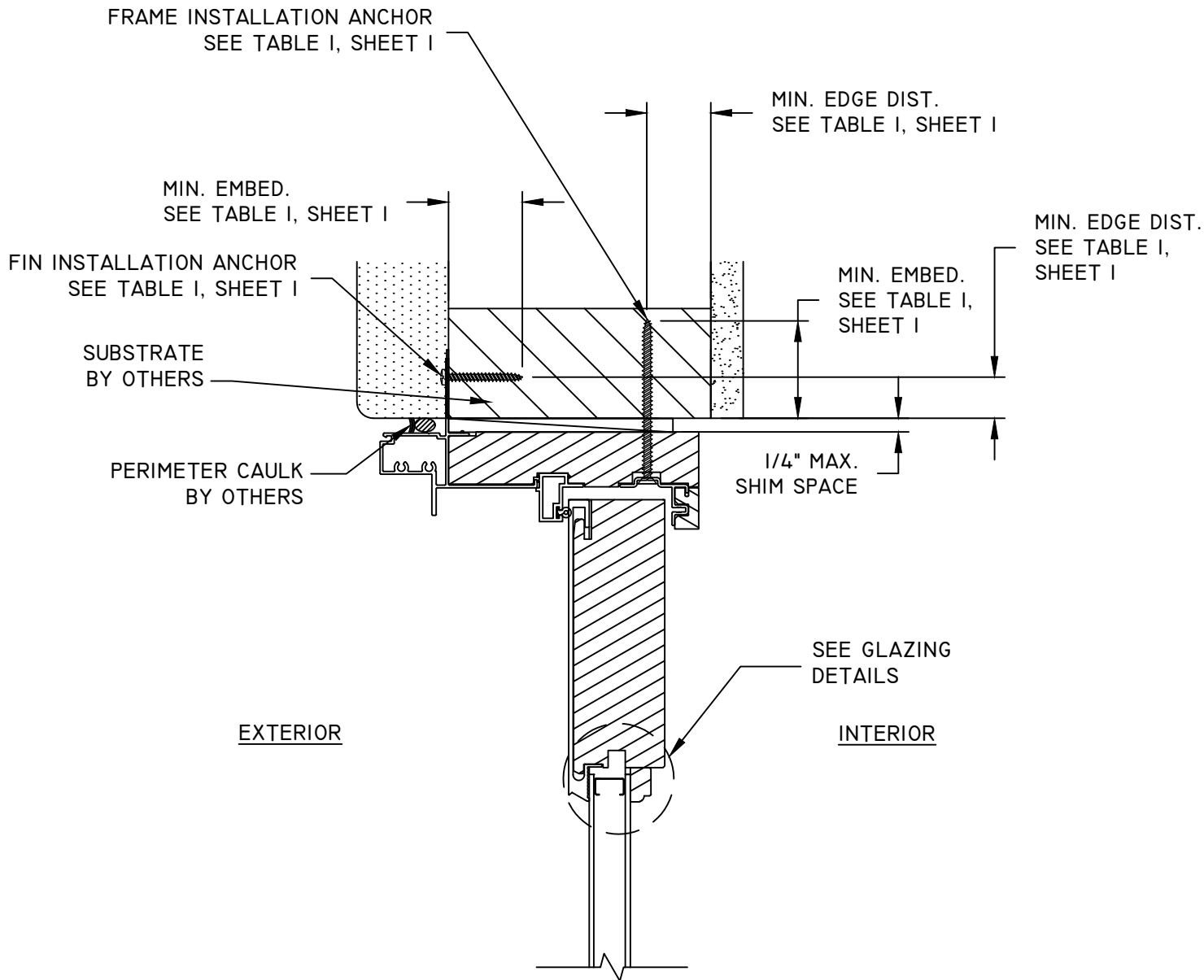
FL#: 15540

DWG #: PGWI66

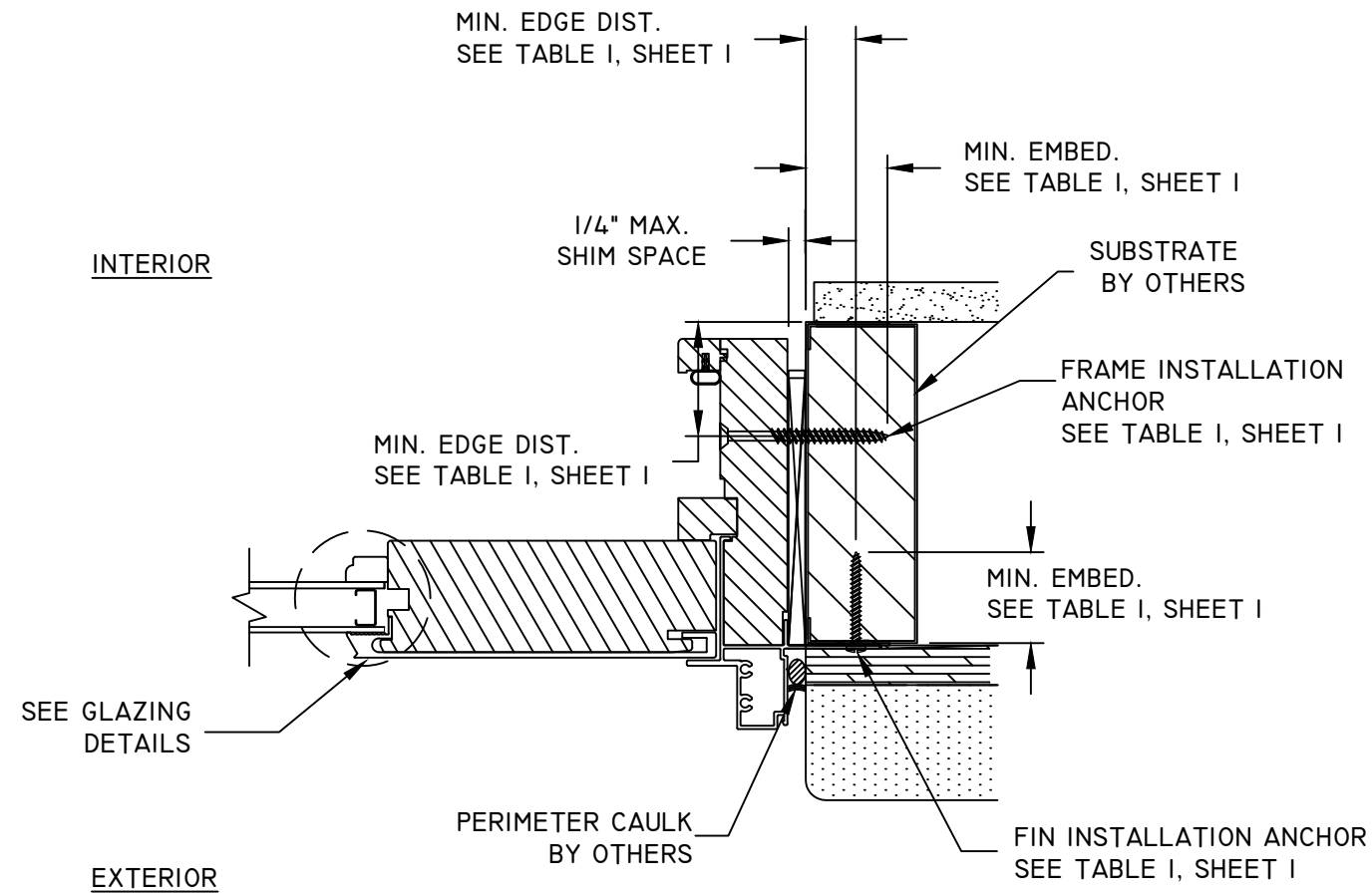
SHEET: 3 OF 4



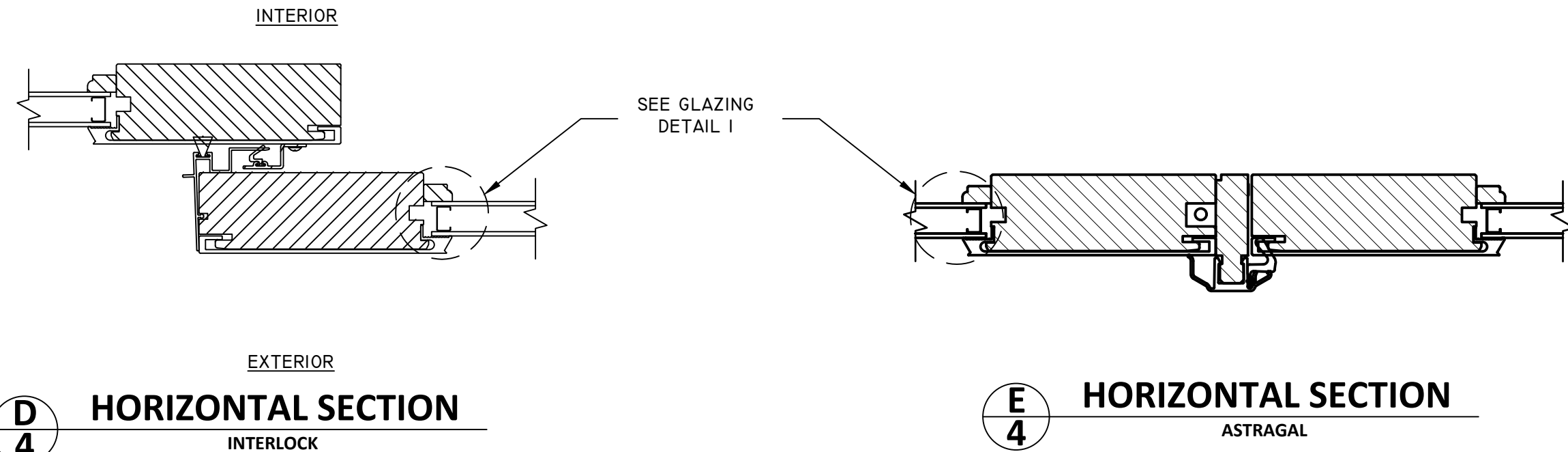
A
3 VERTICAL SECTION
SILL



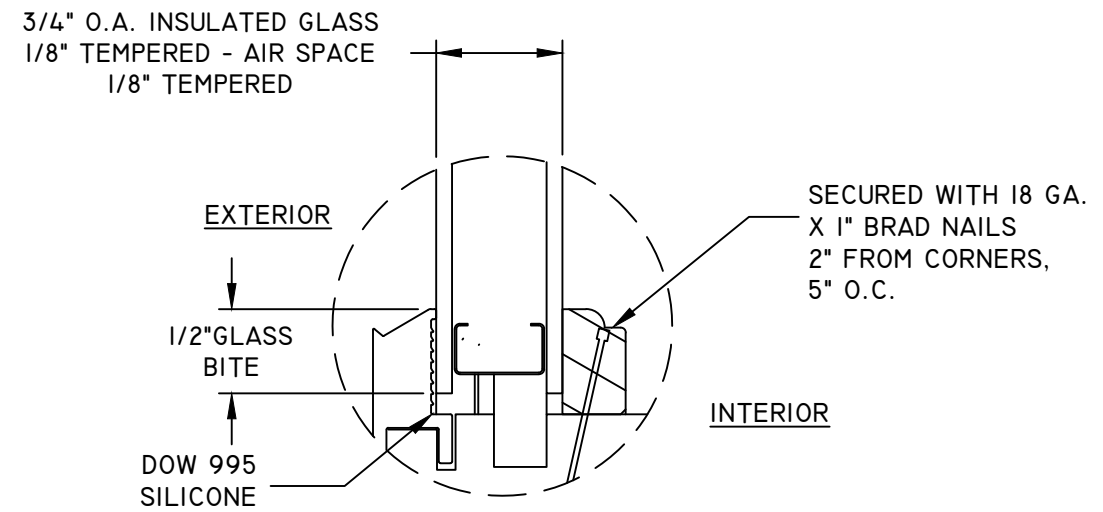
B
3 VERTICAL SECTION
OPERATING PANEL



C
4 **HORIZONTAL SECTION**
FIXED PANEL



D
4 **HORIZONTAL SECTION**
INTERLOCK



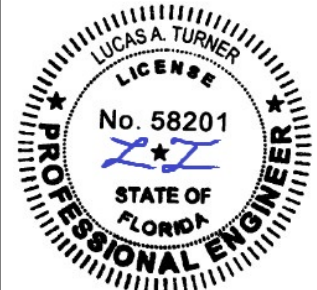
GLAZING DETAIL 1

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

E
4 **HORIZONTAL SECTION**
ASTRAGAL

REVISION DESCRIPTION		DATE
NO.	BY	
B	LMH	12.09.17
C	LMH	06.03.18
D	LMH	12.03.20
E	LMH	03.31.26

DATE:	DWN BY:	CHK BY:	SCALE:
09.27.11	JLA		NTS



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 #: PGWI66

SHEET: 4 OF 4