

PLY GEM WINDOWS

PREMIUM MIRA 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 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 E1300.
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-I3902-3, I10-I4201-I, I10-I4341-I, I10-I7781-I AND I10-I7782-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.

SIZE CHART				
MAX. SIZE	GLAZING	PRODUCT RATING	DESIGN PRESSURE	MISSILE IMPACT RATING
71" X 98-7/8" (OX)	1	SD-R50	+/-50.0 PSF	LARGE & SMALL MISSILE IMPACT RATED
95" X 95-9/16" (OX)	2	SD-R50	+/-50.0 PSF	LARGE & SMALL MISSILE IMPACT RATED
108-9/16" X 95-9/16" (OXO)	2	SD-R50	+/-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.

*THE EMBEDMENT OF THE INSTALLATION ANCHOR IS INTO THE 2X BUCK. THE 2X MAY BE INSTALLED OVER CONCRETE/MASONRY BY OTHERS.

PlyGem

WINDOWS & DOORS

Part of the Cornerstone Building Brands Family

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PO BOX 559,
ROCKY MOUNT, VA 24151
PH: 540-484-6348
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TITLE: PREMIUM MIRA SLIDING GLASS DOOR IMPACT GENERAL & INSTALLATION NOTES	DATE	12.09.17	03.27.19	12.03.20	03.31.26
	BY	LMH	LMH	LMH	LMH
	REVISION DESCRIPTION	ADDED NOTES & TABLE I			
	NO.	B	C	D	E
		ADDED TEST REPORTS TO NOTE 12.			
DATE: 02.21.12	DWN BY: GRN	CHK BY:	SCALE: NTS		

LUCAS A. TURNER

LICENSE

No. 58201

STATE OF FLORIDA

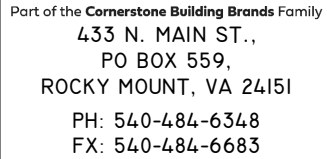
PROFESSIONAL ENGINEER

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 #: PGW159

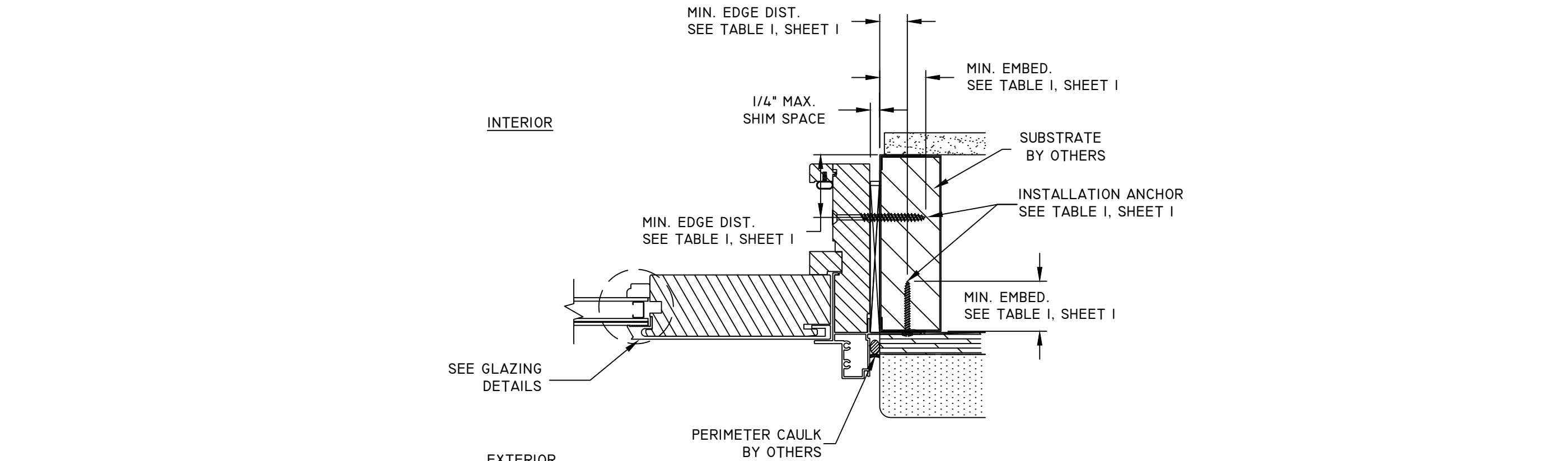
SHEET: 1 OF 5



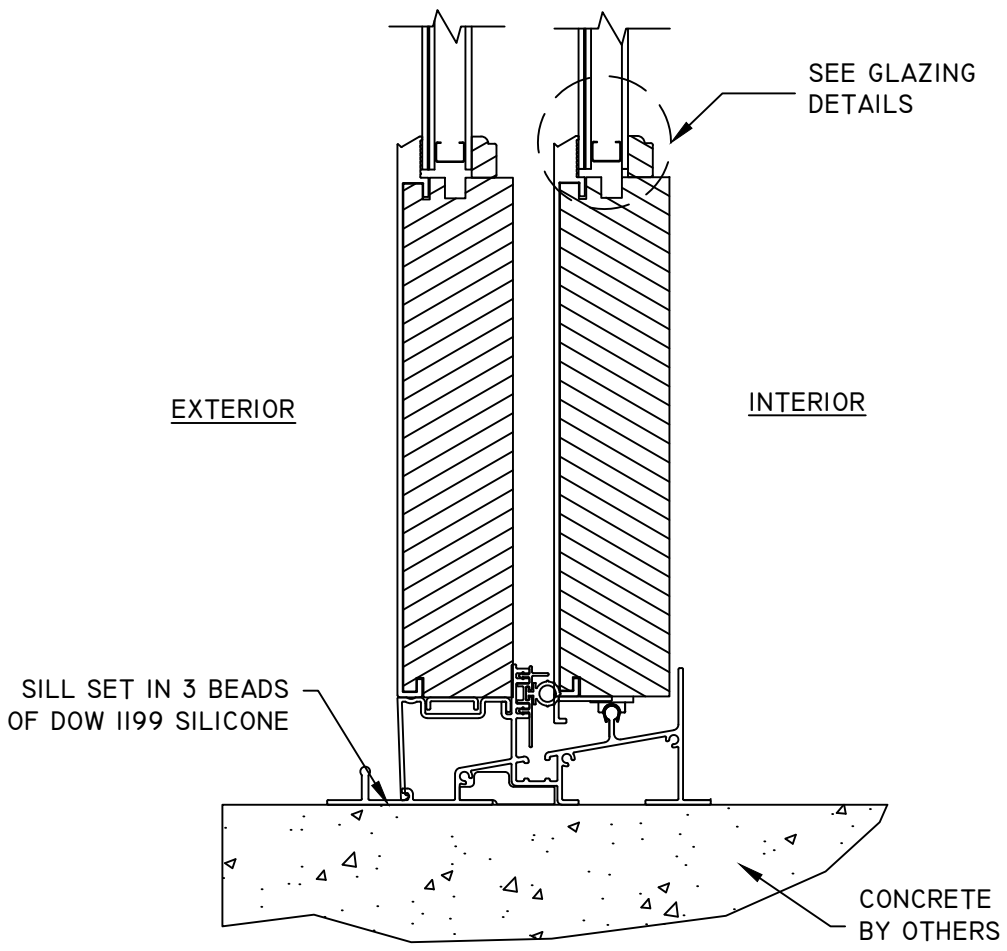
A circular professional engineer seal for the State of Florida. The outer ring contains the text "PROFESSIONAL ENGINEER" at the bottom and "LUCAS A. TURNER" at the top, separated by two stars. Inside the ring, the word "LICENSE" is at the top, "No. 58201" is in the center, and "STATE OF FLORIDA" is at the bottom. A stylized blue signature is written over the license number.

FL#: 15540
DWG #: PGWI59
SHEET: 2 OF 5

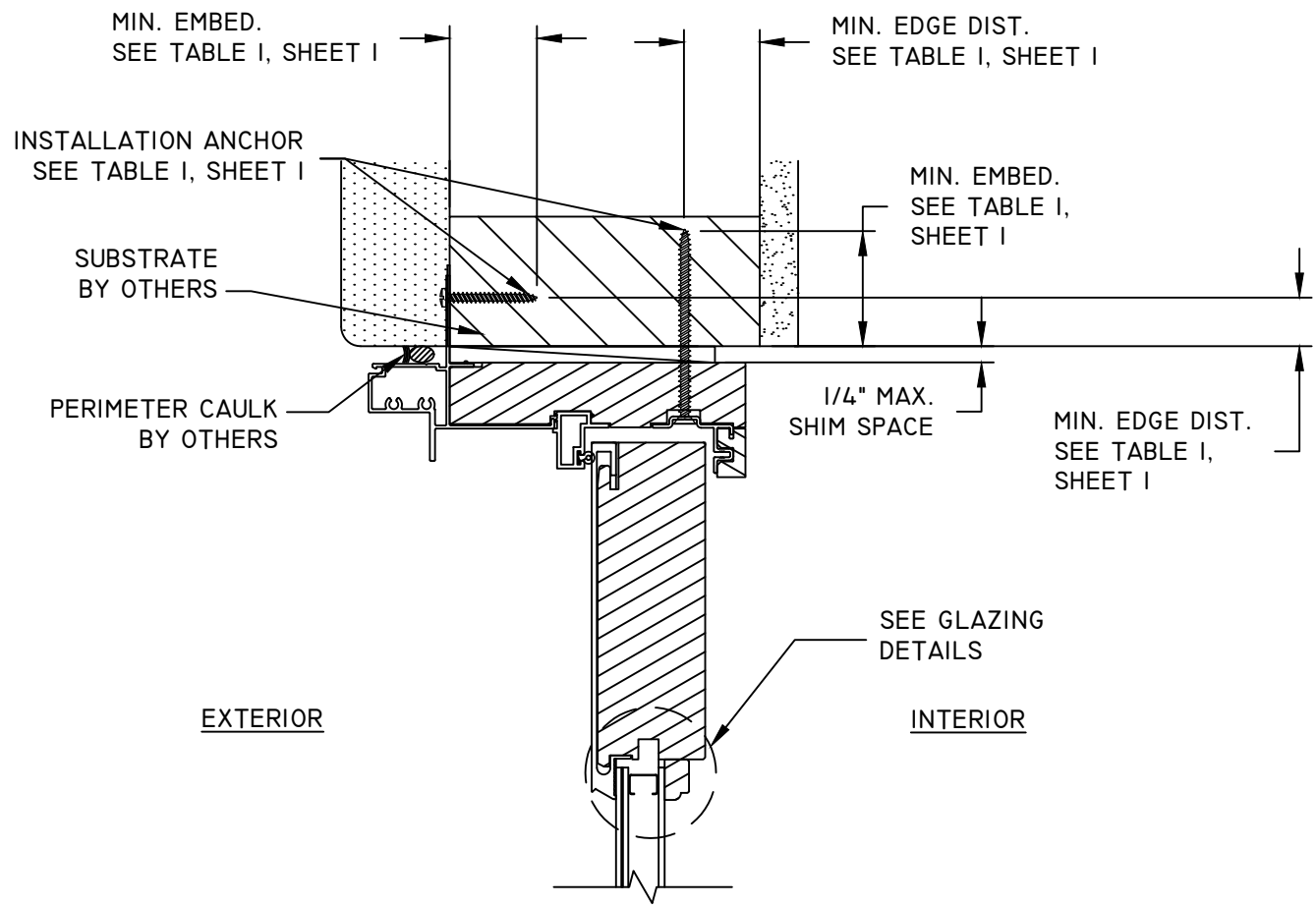




C
4 **HORIZONTAL SECTION**
FIXED PANEL



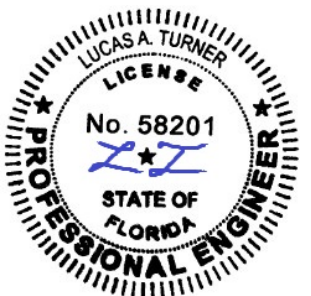
A
4 **VERTICAL SECTION**
SILL



B
4 **VERTICAL SECTION**
HEAD

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NO.	REVISION DESCRIPTION	BY	DATE	
B	ADDED NOTES & TABLE I	LMH	12.09.17	
C	ADDED TEST REPORTS TO NOTE 12.	LMH	03.27.19	
D	7TH EDITION 2020 FBC	LMH	12.03.20	
E	CURRENT FBC	LMH	03.31.26	

DATE: 02.21.12	DWN BY: GRN	CHK BY:	SCALE: NTS
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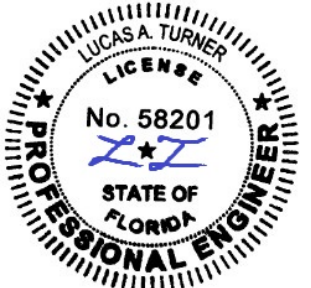


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FL#:	15540
DWG #:	PGW159
SHEET:	4 OF 5

TITLE: PREMIUM MIRA SLIDING GLASS DOOR IMPACT HORIZONTAL SECTIONS	DATE	BY	REVISION DESCRIPTION	NO.
	12.09.17	LMH		B
	03.27.19	LMH	ADDED NOTES & TABLE 1	C
	12.03.20	LMH	ADDED TEST REPORTS TO NOTE 12.	D
	03.31.26	LMH	7TH EDITION 2020 FBC CURRENT FBC	E

DATE: 02.21.12	DWN BY: GRN	CHK BY:	SCALE: NTS
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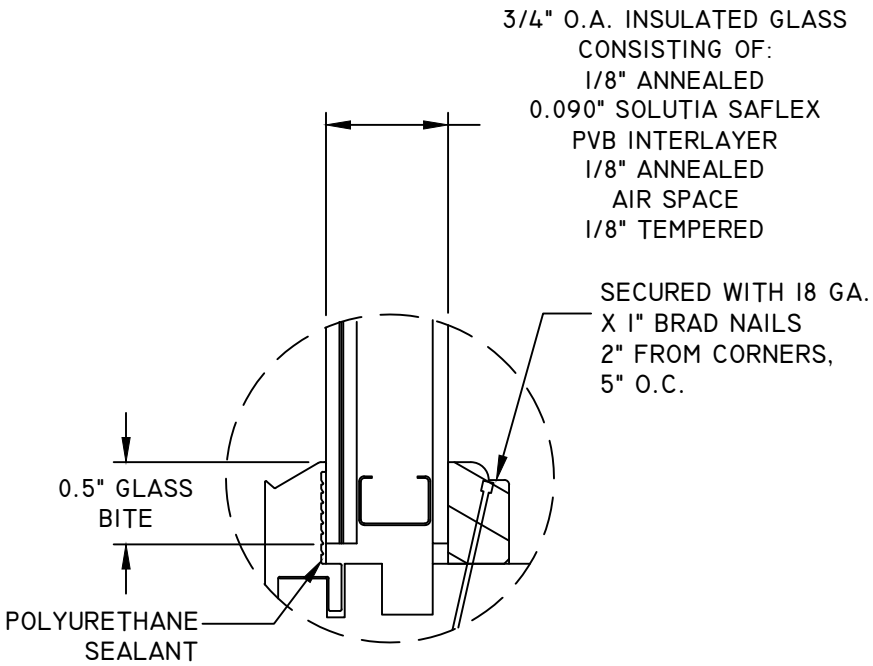
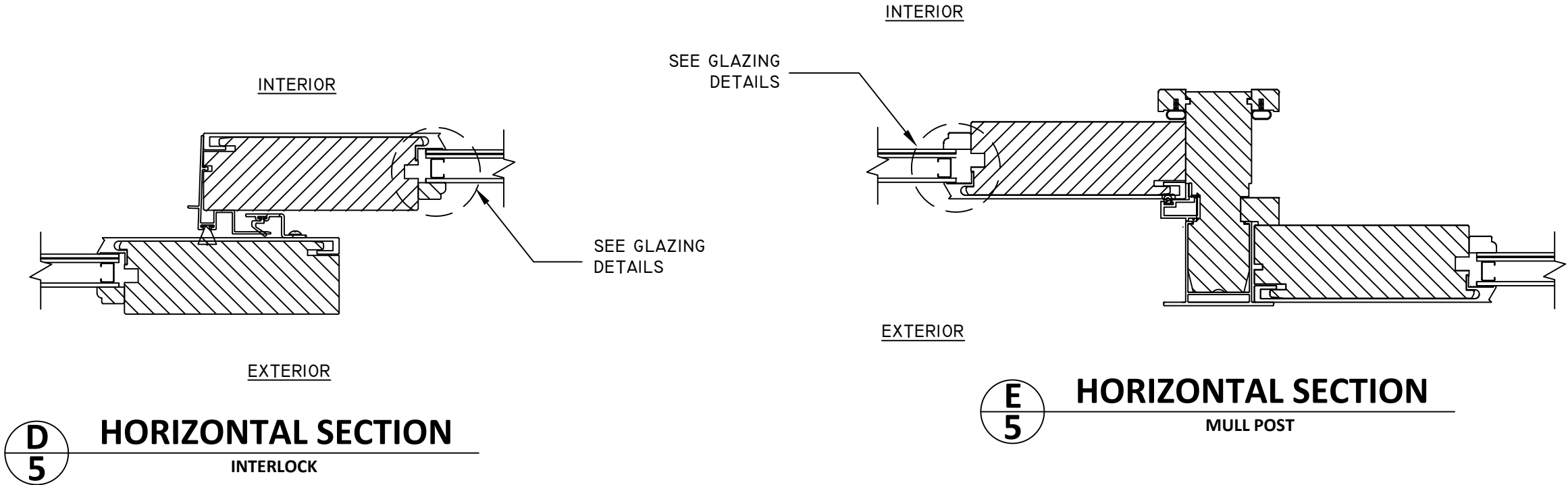


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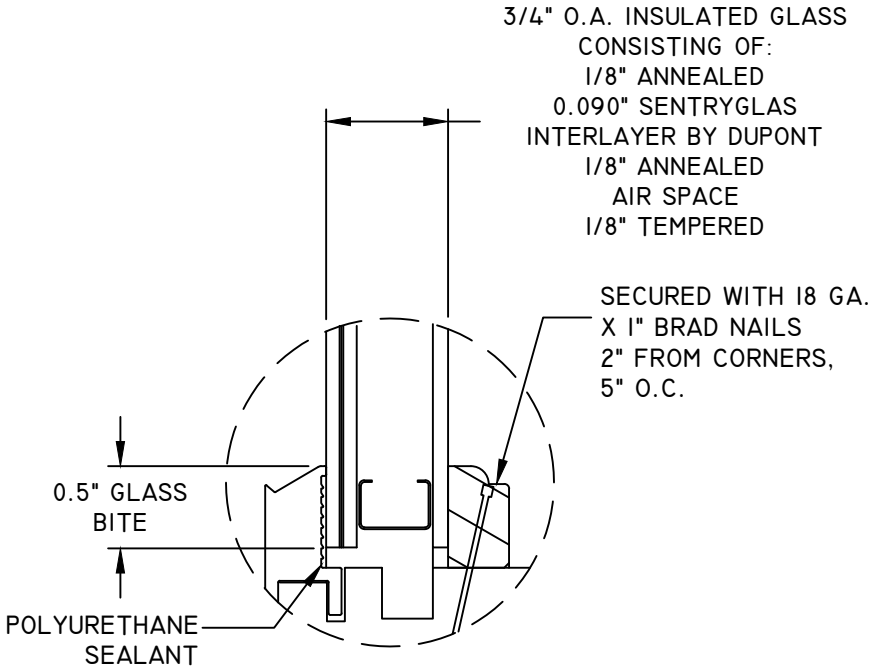
FL#: 15540

DWG #:
PGWI59

SHEET: 5 OF 5



GLAZING DETAIL 1



GLAZING DETAIL 2