

PLY GEM WINDOWS

PREMIUM MIRA DIRECT SET WINDOW

(NON-IMPACT)

NOTES:

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 $C_d = 1.6$ WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.
12. PRODUCTS SHALL BE CONSTRUCTED AS SPECIFIED IN TEST REPORTS CERTIFIED TESTING LABORATORIES 1796W.
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				
OVERALL SIZE		PRODUCT RATING	MAX. DESIGN PRESSURE	MISSILE IMPACT RATING
WIDTH	HEIGHT			
73-3/8"	86-9/16"	LC-PG50	+50/-55 PSF	NON-IMPACT

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

TABLE I: INSTALLATION FASTENERS TABLE

ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED.	MIN. EDGE DISTANCE
A	2X MIN. SOUTHERN PINE WOOD (G=0.55)	8D COMMON NAIL (0.131" MIN.) OR 0.120" MIN. ROOFING NAIL	2-1/2"	1/2"
B	2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42)	#8 WOOD SCREW	1-1/2"	1/2"
C	18 GAUGE (0.048") STEEL 35 KSI MIN. OR 1/8" ALUM. 6063-T5 MIN.	#10-16 SELF-DRILLING SCREW (TEKS/DRIL-FLEX/KWIK-FLEX)	FULL, PLUS 3 THREADS MIN.	1/2"

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.



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

DATE:		TITLE: PREMIUM MIRA DIRECT SET WINDOW			
02.06.12		INSTALLATION & GENERAL NOTES			
DWN BY:		NO.	REVISION DESCRIPTION	BY	DATE
GRN		A	FBC 5TH EDITION UPDATE	SM	10.13.14
CHK BY:		B	ADDED NOTES & TABLE I	LMH	12.05.17
.		C	7TH EDITION 2020 FBC	LMH	11.23.20
SCALE:		D	8TH EDITION 2023 FBC	LMH	12.04.23
NTS					



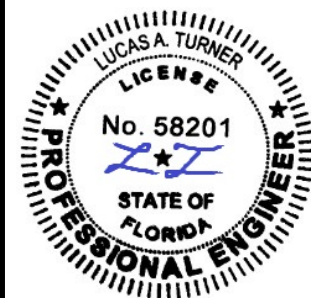
12/04/2023
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING &
CONSULTING, INC.
(COA # 29779)
2428 OLD NATCHEZ TRACE
TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

FL#: 15318

DWG #:
PGWI00

SHEET: 1 OF 4

TITLE: PREMIUM MIRA DIRECT SET WINDOW ELEVATION & ANCHOR LAYOUT	DATE	BY	REVISION DESCRIPTION	NO.	DATE	BY	REVISION DESCRIPTION	NO.
	02.06.12	DWN BY: GRN		A	10.13.14	SM	FBC 5TH EDITION UPDATE	A
		CHK BY: .		B	12.05.17	LMH	ADDED NOTES & TABLE I	B
		SCALE: NTS		C	11.23.20	LMH	7TH EDITION 2020 FBC	C
				D	12.04.23	LMH	8TH EDITION 2023 FBC	D

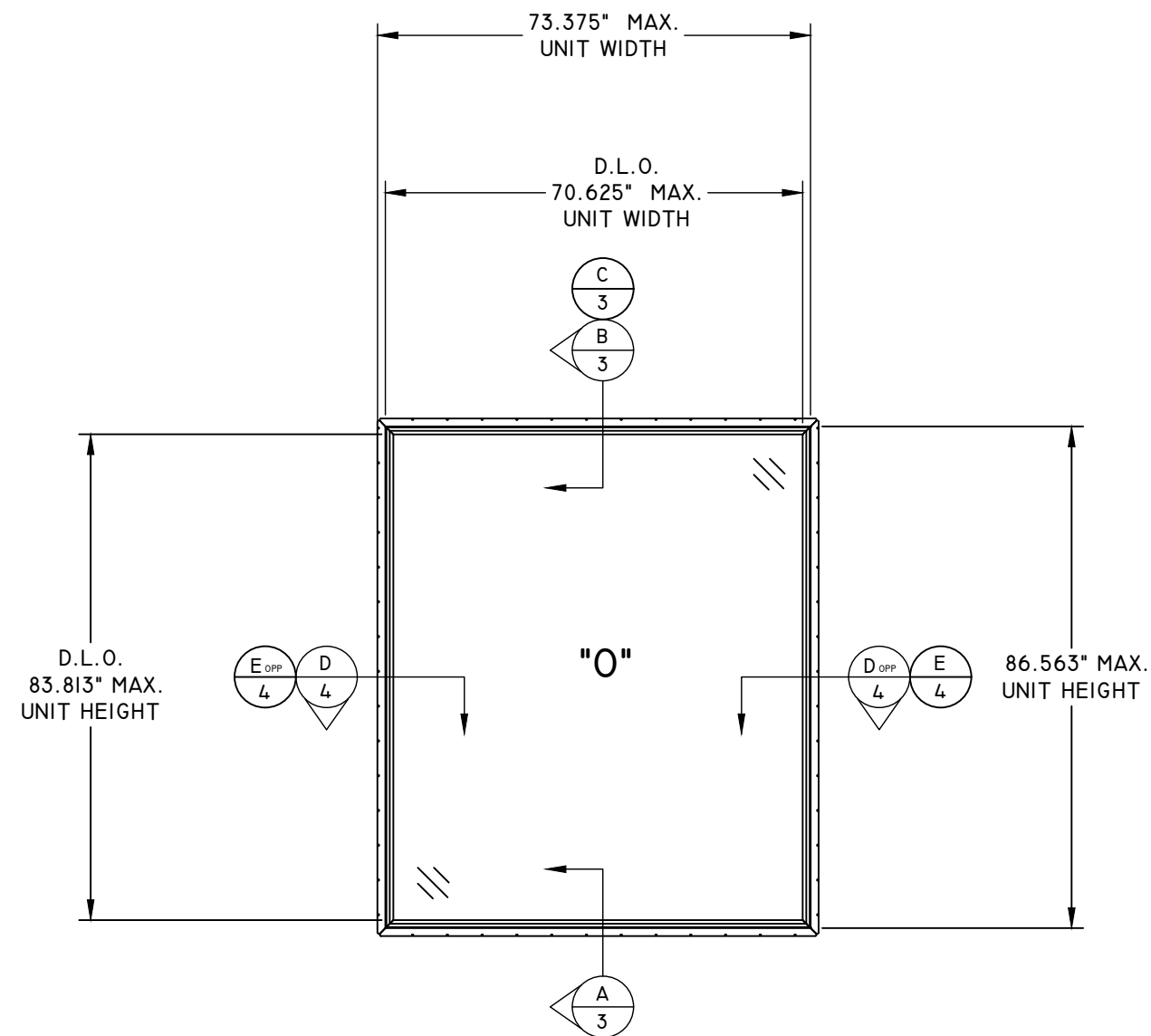


12/04/2023
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING &
CONSULTING, INC.
(COA # 29779)
2428 OLD NACHEZ TRACE
TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

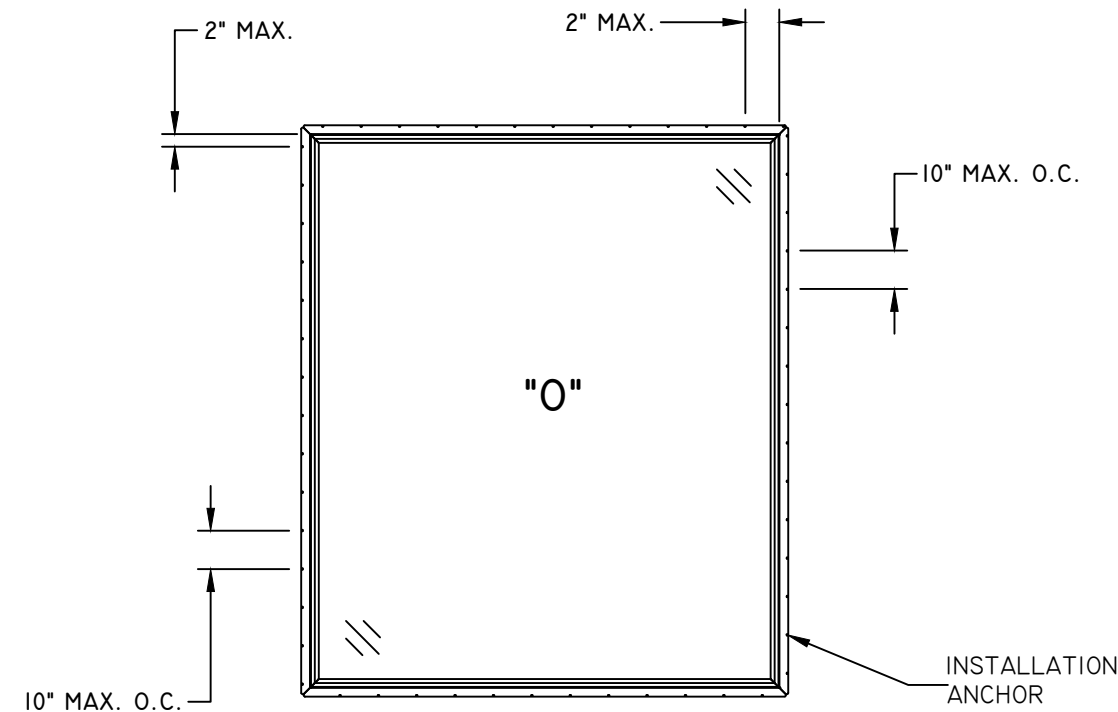
FL#: 15318

DWG #: PGWI00

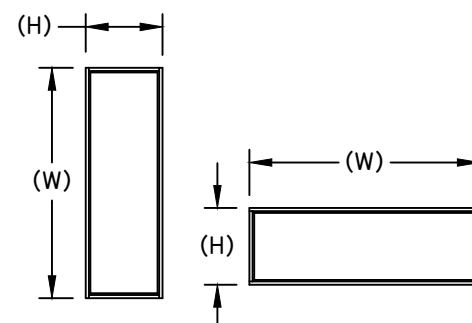
SHEET: 2 OF 4



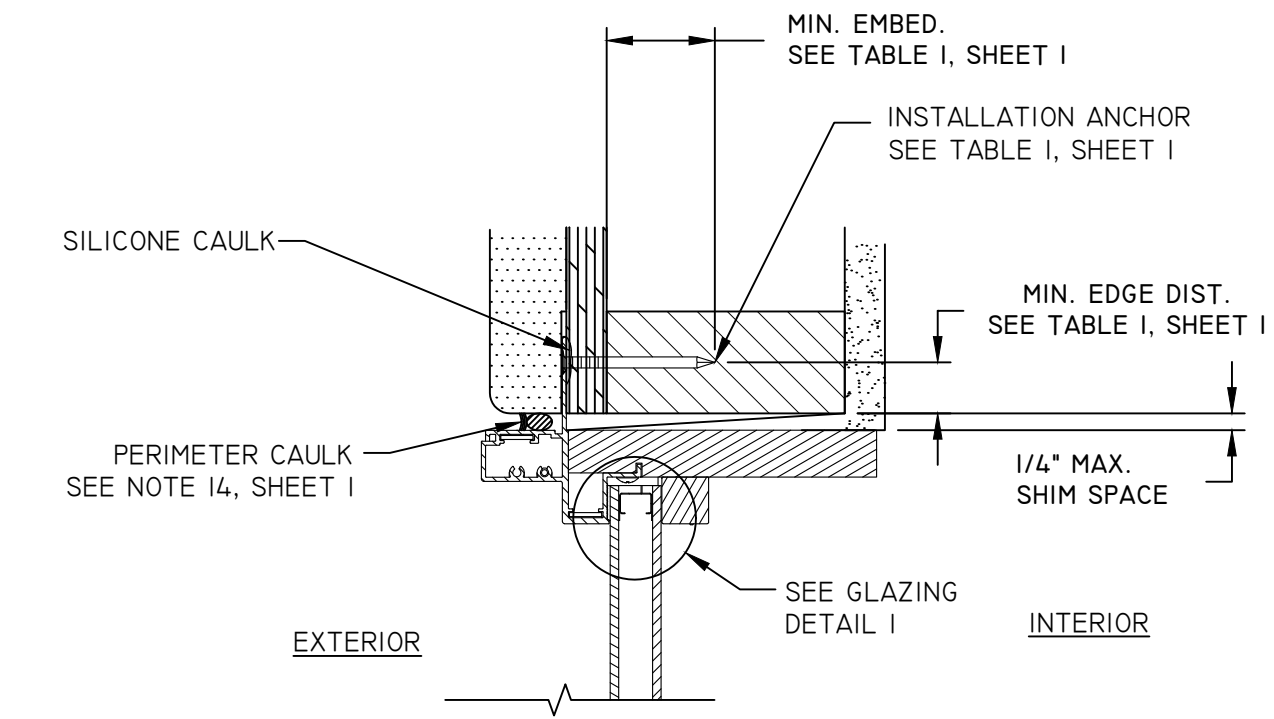
ELEVATION



**ANCHOR LAYOUT
FIN**

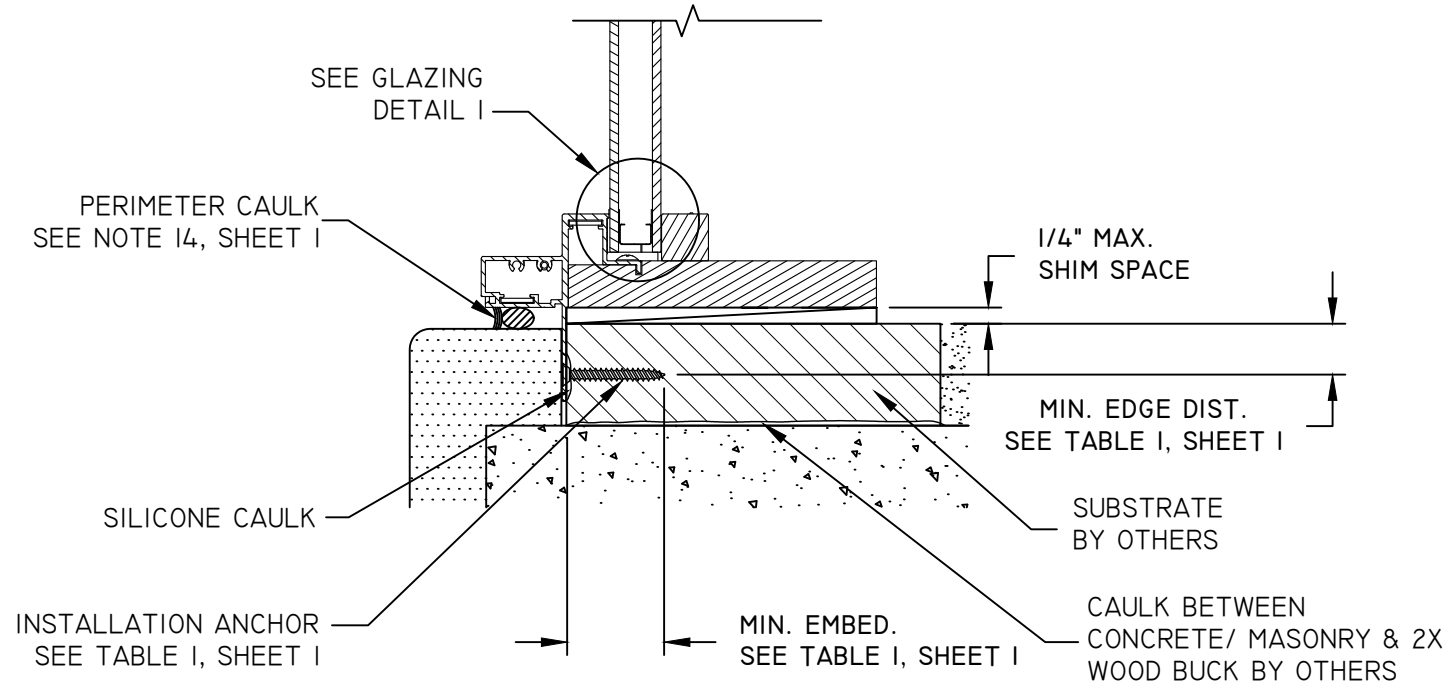


NOTE:
WINDOW WIDTH (W) AND HEIGHT
(H) ARE INTERCHANGEABLE FOR ALL
SIZES SHOWN HEREIN NOT TO EXCEED
MAXIMUM QUALIFIED SQUARE FOOT
AREA.

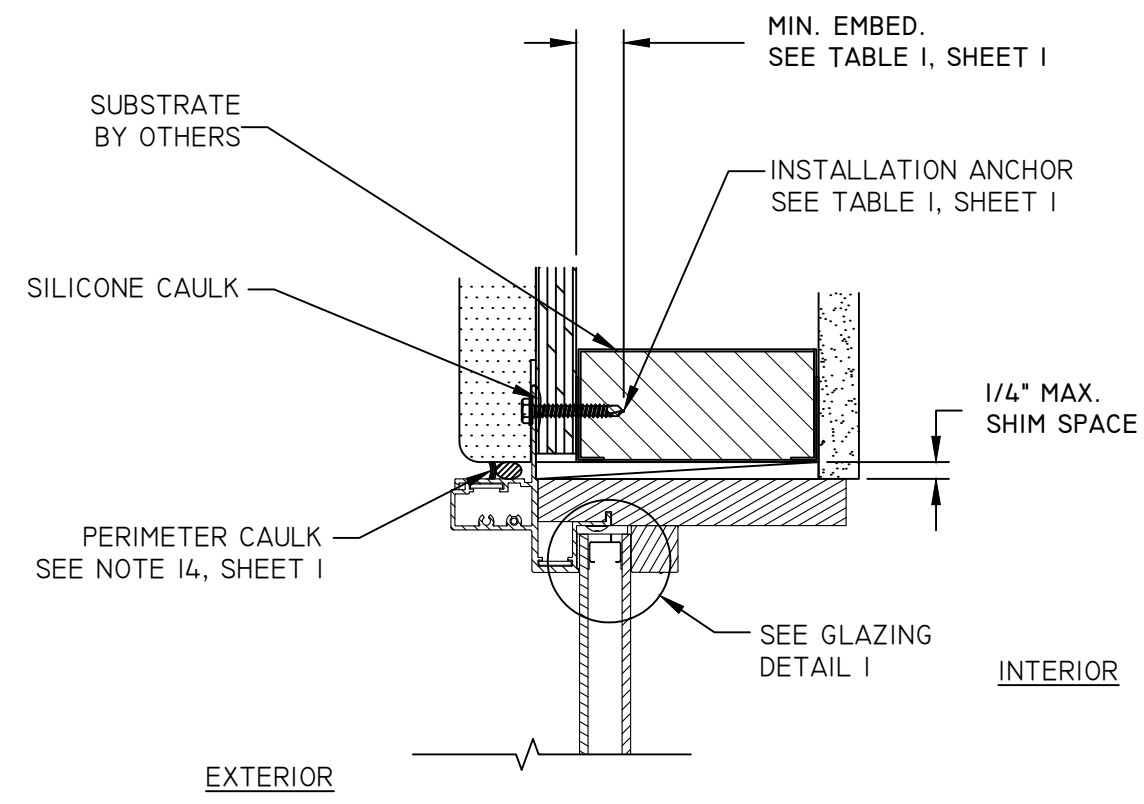


B
3 **VERTICAL SECTION**
HEAD - MUTIPLE SUBSTRATES
FIN INSTALLATION

EXTERIOR INTERIOR



A
3 **VERTICAL SECTION**
SILL - MULTIPLE SUBSTRATES
FIN INSTALLATION



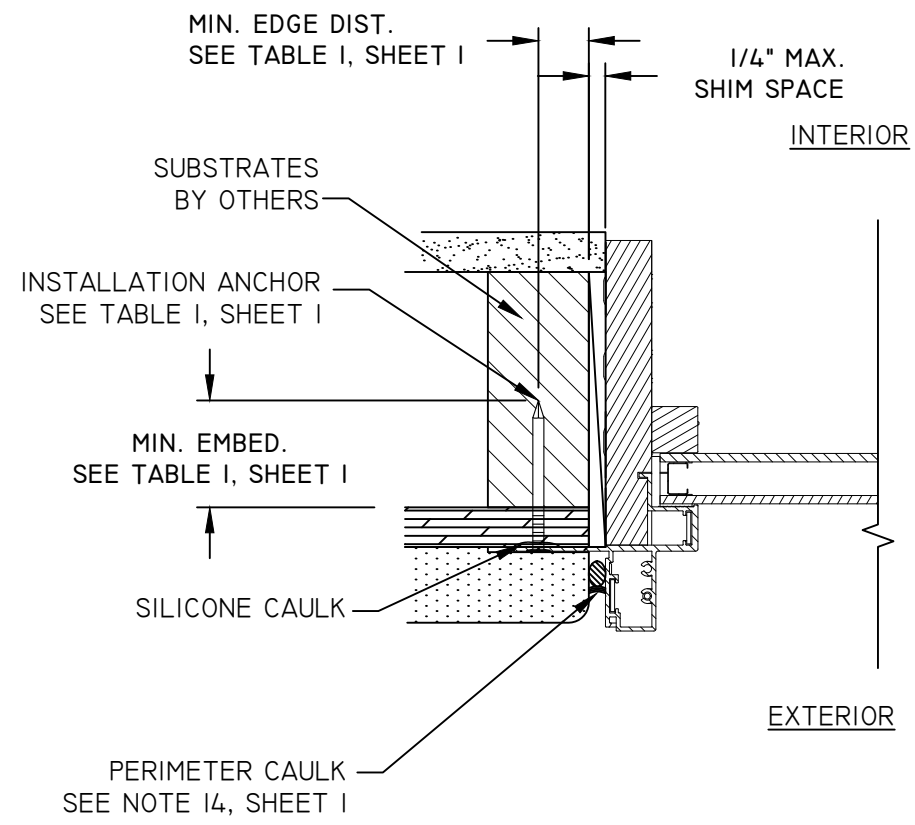
C
3 **VERTICAL SECTION**
HEAD - MULTIPLE SUBSTRATES
FIN INSTALLATION

EXTERIOR INTERIOR

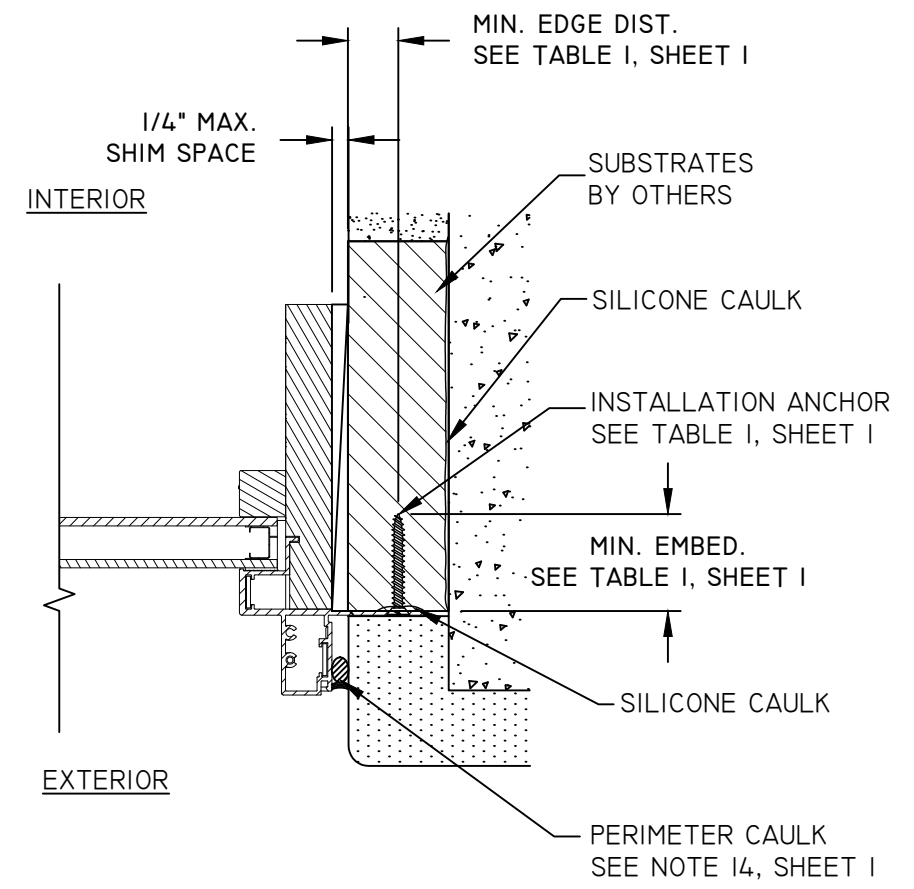
TITLE: PREMIUM MIRA DIRECT SET WINDOW VERTICAL SECTIONS	DATE	BY	REVISION DESCRIPTION			
	02.06.12	SM	10.13.14	LMH	12.05.17	LMH
	DWN BY: GRN	NO.	A	FBC 5TH EDITION UPDATE	B	ADDED NOTES & TABLE I
	CHK BY: .	SCALE: NTS	C	7TH EDITION 2020 FBC	D	8TH EDITION 2023 FBC



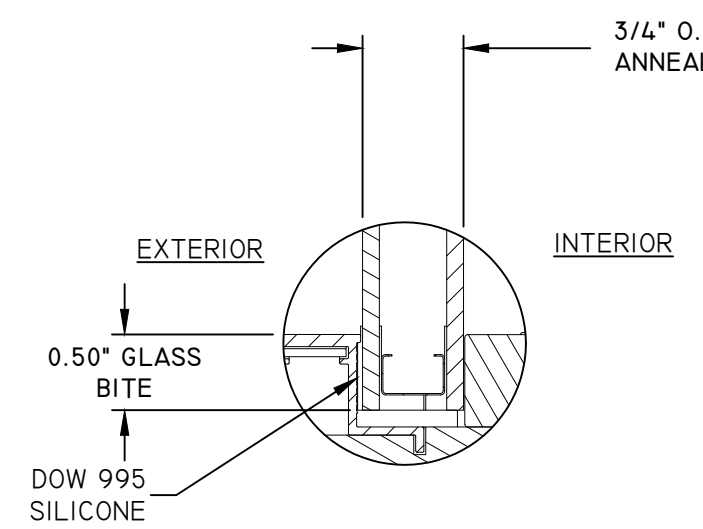
12/04/2023
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING &
CONSULTING, INC.
(COA # 29779)
2428 OLD NATCHEZ TRACE
TRAIL, CAMDEN, TN 38320
PH. 941-380-1574



D
4 **HORIZONTAL SECTION**
JAMB - MUTIPLE STUBSTRATES
FIN INSTALLATION



E
4 **HORIZONTAL SECTION**
JAMB - MULTIPLE SUBSTRATES
FIN INSTALLATION



GLAZING DETAIL 1

NOTE: GLAZING SHALL COMPLY
WITH ASTM E 1300 GLASS
REQUIREMENTS

Ply Gem
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 DIRECT SET WINDOW HORIZONTAL SECTIONS & GLAZING DETAIL	DATE	BY	REVISION DESCRIPTION			
	02.06.12	SM	LMH	LMH	LMH	LMH
	DWN BY: GRN	NO.	A	B	C	D
	CHK BY:	FBC 5TH EDITION UPDATE	ADDED NOTES & TABLE I	7TH EDITION 2020 FBC	8TH EDITION 2023 FBC	
	SCALE: NTS					



12/04/2023
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING &
CONSULTING, INC.
(COA # 29779)
2428 OLD NACHEZ TRACE
TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

FL#: **15318**

DWG #: **PGWI00**

SHEET: **4 OF 4**