

PLY GEM WINDOWS *SERIES 1500 HORIZONTAL SLIDER WINDOW*

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-I5627 THROUGH I5639-I, & I10-I9358-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				
OVERALL SIZE		PRODUCT RATING	MAX. DESIGN PRESSURE	CONFIGURATION
WIDTH	HEIGHT			
71-15/16"	72"	LC-PG25	+25/- 25 PSF	XO <u>OR</u> OX
62-15/16"	48-1/16"	LC-PG50	+50/- 60 PSF	
72"	56-1/16"	LC-PG30	+30/- 35 PSF	
71-1/2"	35-1/2"	LC-PG50	+50/- 50 PSF	
108"	71-15/16"	LC-PG15	+15/- 15 PSF	XOX (EVEN)
96-1/16"	72"	LC-PG15	+15/- 15 PSF	
84-1/16"	63"	LC-PG30	+30/- 30 PSF	
72-1/16"	55-15/16"	LC-PG40	+40/- 45 PSF	
63-1/16"	44"	LC-PG45	+45/- 45 PSF	XOX (¼-½-¾)
108-1/16"	71-15/16"	LC-PG15	+15/- 15 PSF	
96"	71-15/16"	LC-PG25	+25/- 25 PSF	
84-1/16"	62-15/16"	LC-PG30	+30/- 35 PSF	
72-1/16"	56"	LC-PG45	+45/-45 PSF	
62-15/16"	44-1/16"	LC-PG50	+50/-50 PSF	

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Lucas Turner
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TABLE I: INSTALLATION FASTENERS TABLE

ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED.	MIN. EDGE DISTANCE
FIN INSTALLATION				
A	2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42)	#8 WOOD SCREW	1-1/2"	7/16"
B	16 GAUGE (0.060") STEEL 36 KSI MIN. 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 OR CLIP INSTALLATION				
C	CONCRETE (2 KSI MIN.)	3/16" ITW TAPCON	1-1/2"	1-1/8"
D	HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	1"	2"
E	2X MIN. SOUTHERN PINE WOOD (G=0.55)	3/16" ITW TAPCON	1-3/8"	7/8"
F	2X MIN. SOUTHERN PINE WOOD (G=0.55)	#10 WOOD SCREW	1-3/8"	7/8"
G	16 GAUGE (0.060") STEEL 36 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"

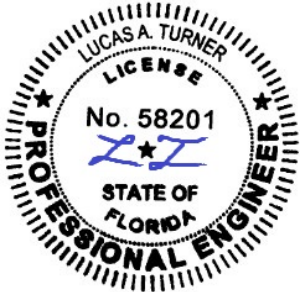
NOTE: ALL SCREWS AND TAPCONS SHALL HAVE MOD. TRUSS, PAN, OR HEX WASHER HEAD, 0.42" MIN. HEAD OR WASHER DIAMETER FOR FIN ANCHORS, 0.355" MIN. HEAD OR WASHER DIAMETER FOR FRAME ANCHORS.



433 N. MAIN ST.,
PO BOX 559,
ROCKY MOUNT, VA 24151

PH: 540-484-6348
FX: 540-484-6683

TITLE: SERIES 1500 HORIZONTAL SLIDER WINDOW INSTALLATION AND GENERAL NOTES	DATE	12.10.17	07.06.18	11.19.20	12.04.23
	BY	LMH	LMH	LMH	LMH
	REVISION DESCRIPTION	ADDED NOTES & TABLE I	UPDATED PER EC 07-008 & N18-001, W-1867	7TH EDITION (2020) FBC	8TH EDITION (2023) FBC
	NO.	B	C	D	E
DATE: 12.13.12	DWN BY: JLA	CHK BY:	SCALE: NTS		

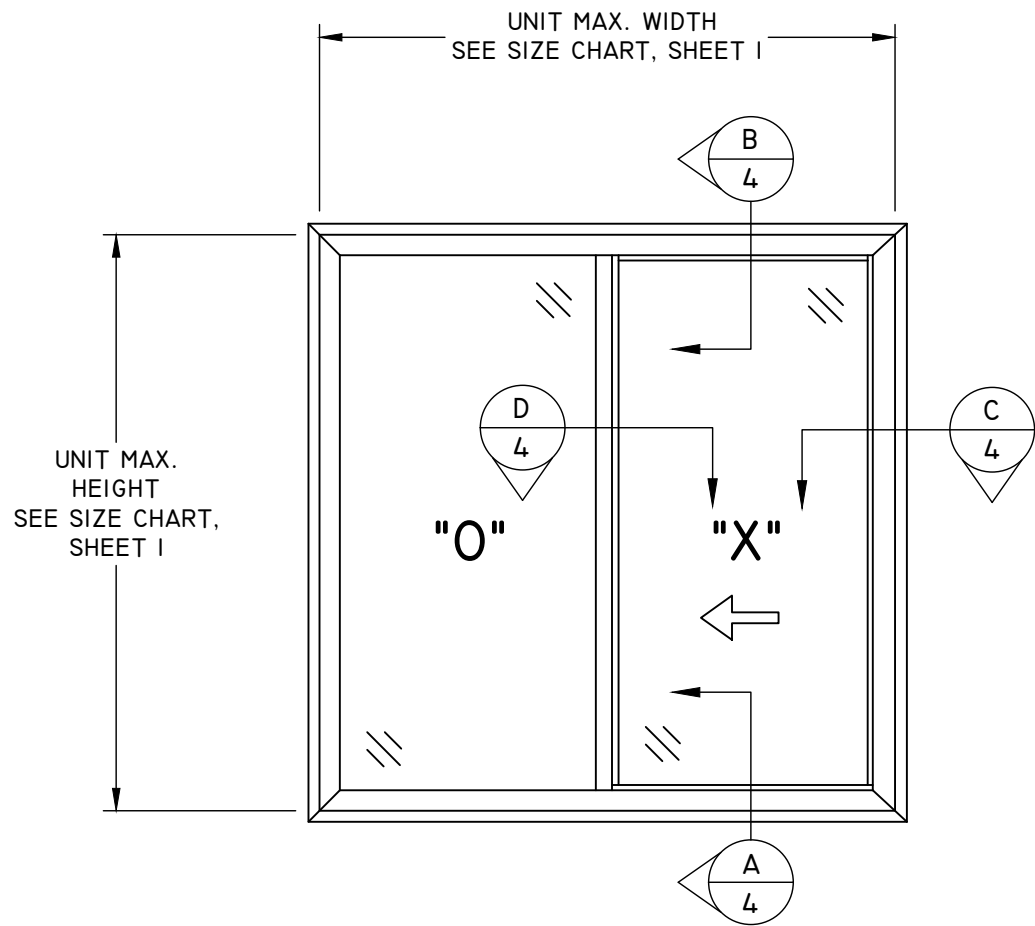


12/04/2023
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING &
CONSULTING, INC.
(COA # 29779)
2428 OLD NATCHEZ TRACE
TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

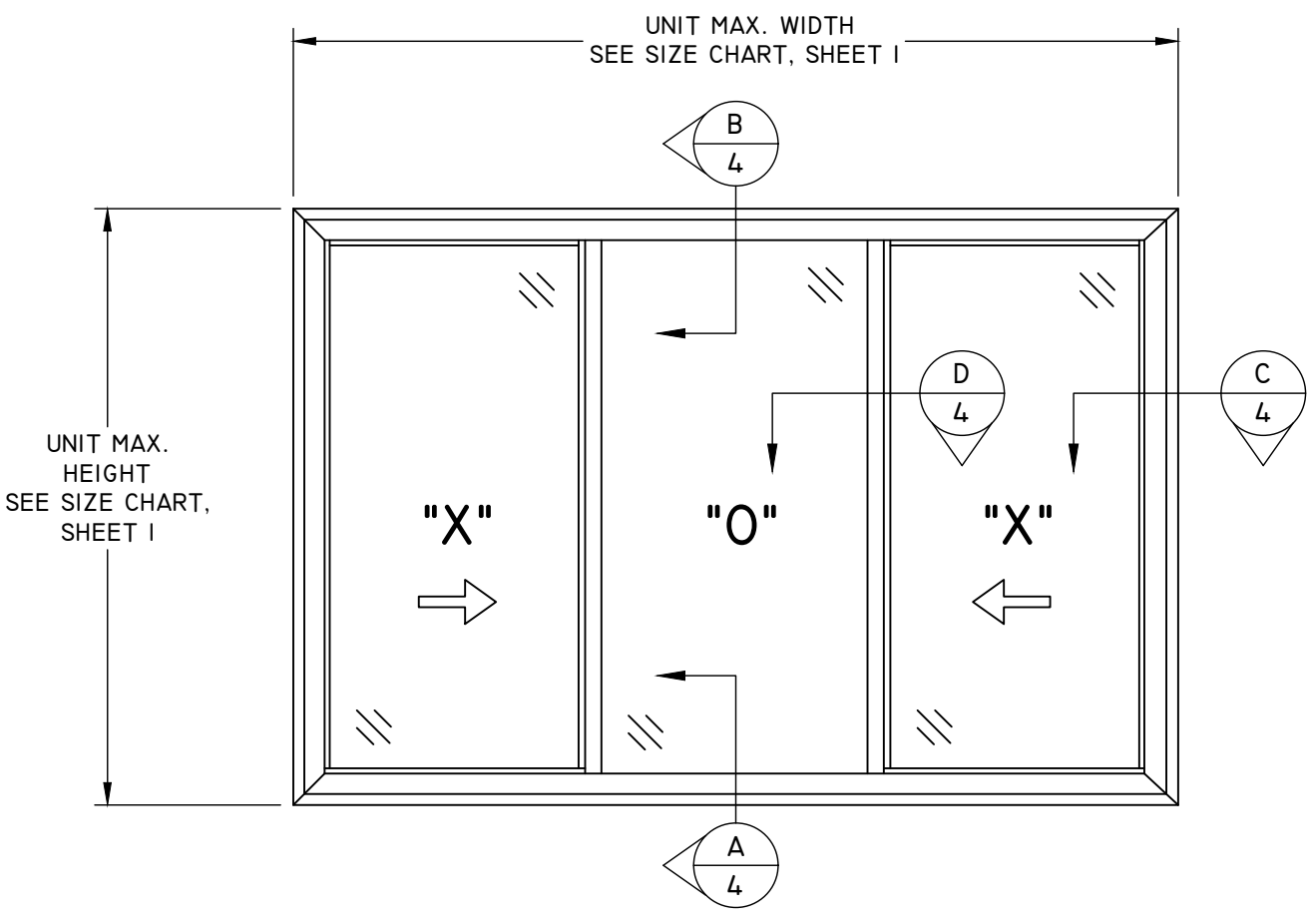
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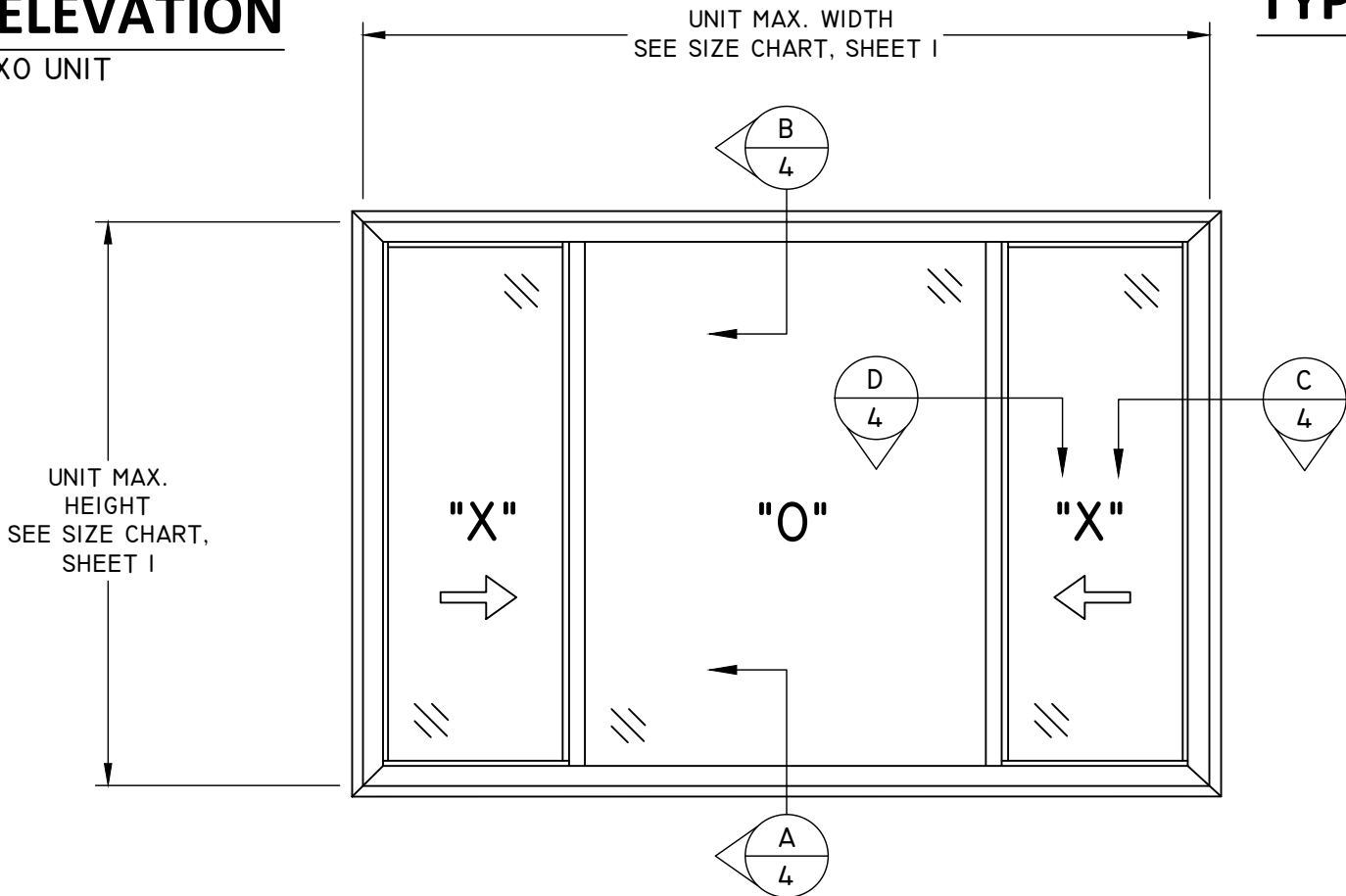
SHEET: 1 OF 4



TYPICAL ELEVATION
OX/XO UNIT



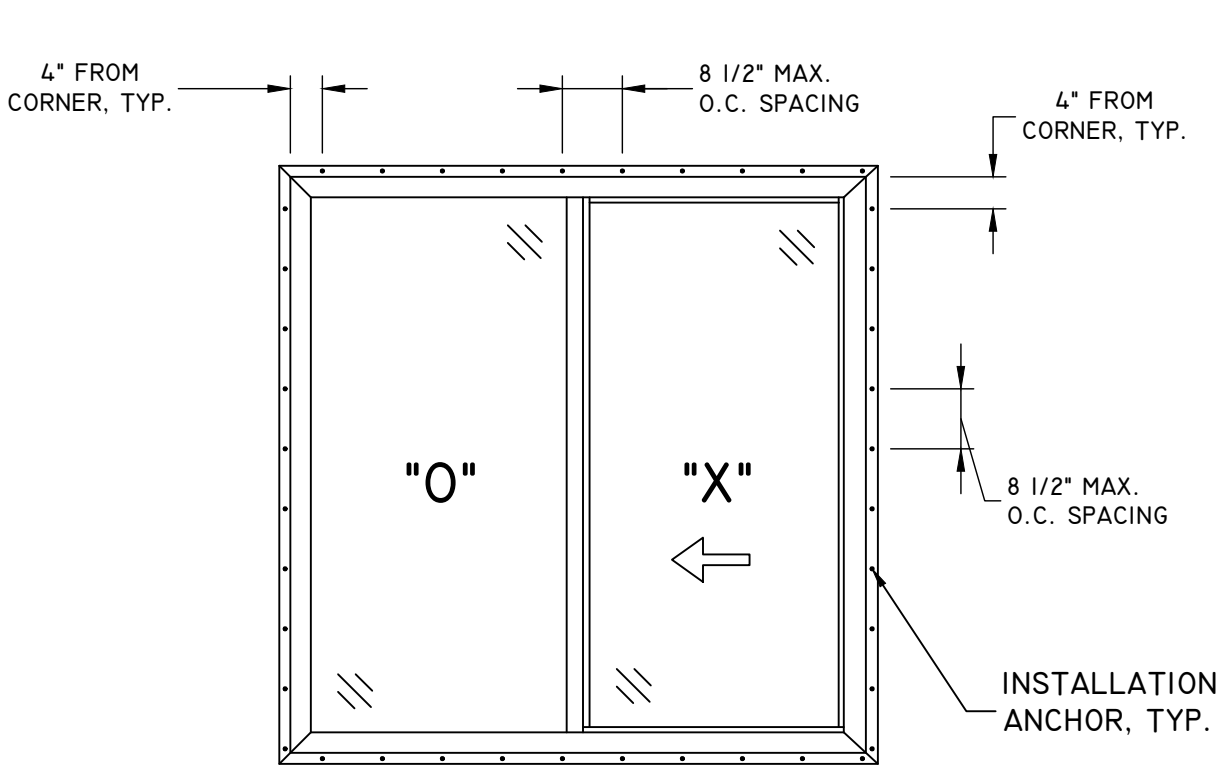
TYPICAL ELEVATION
XOX UNIT (EVEN)



TYPICAL ELEVATION
XOX UNIT (1/4-1/2-1/4)

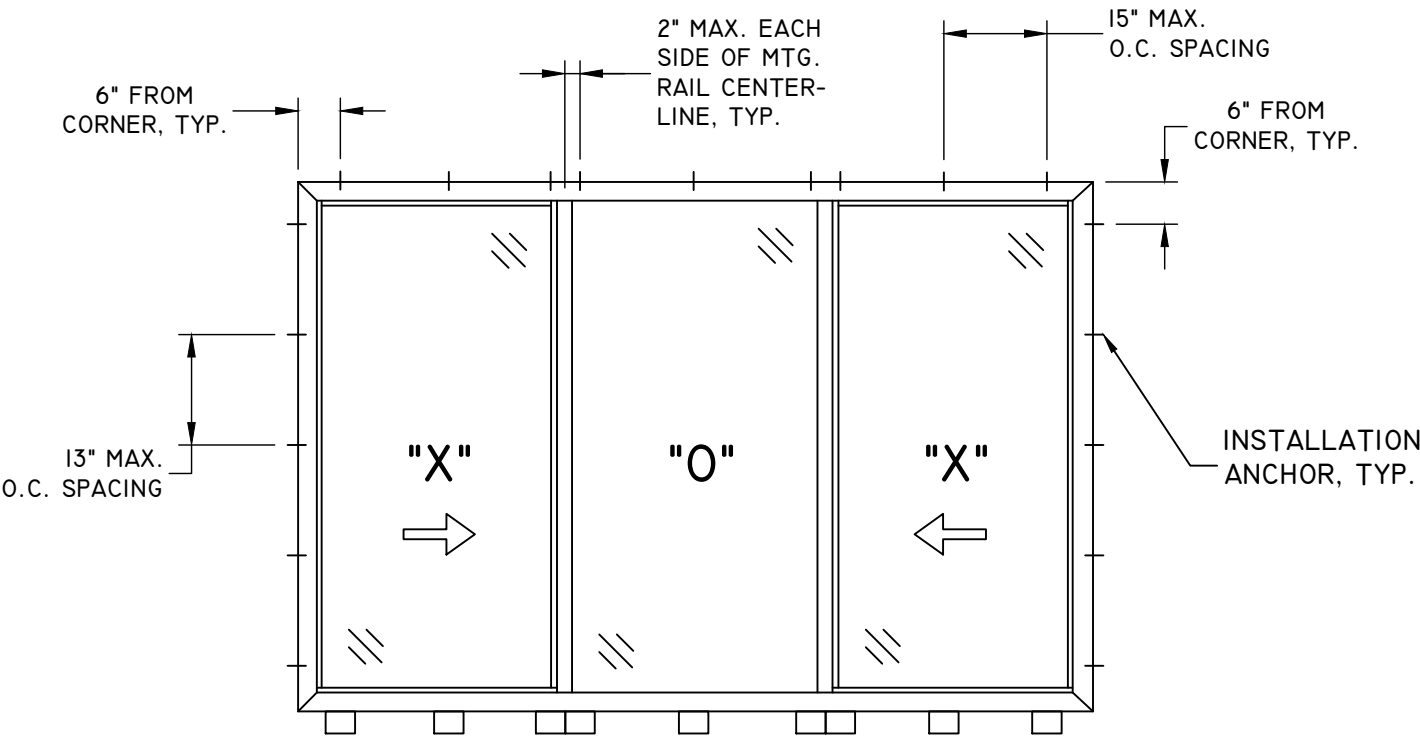
NOTE:
MAXIMUM 1/4-1/2-1/4 UNIT FIXED D.L.O.
WIDTH IS LIMITED TO 52-3/16".

DATE: 12.13.12		TITLE: SERIES I500 HORIZONTAL SLIDER WINDOW ELEVATIONS			
DWN BY: JLA		NO.	REVISION DESCRIPTION	BY	DATE
CHK BY:		B	ADDED NOTES & TABLE I	LMH	12.10.17
		C	UPDATED PER EC 07-008 & N18-001, W-1867	LMH	07.06.18
SCALE:		D	7TH EDITION (2020) FBC	LMH	11.19.20
NTS		E	8TH EDITION (2023) FBC	LMH	12.04.23



ANCHOR LAYOUT

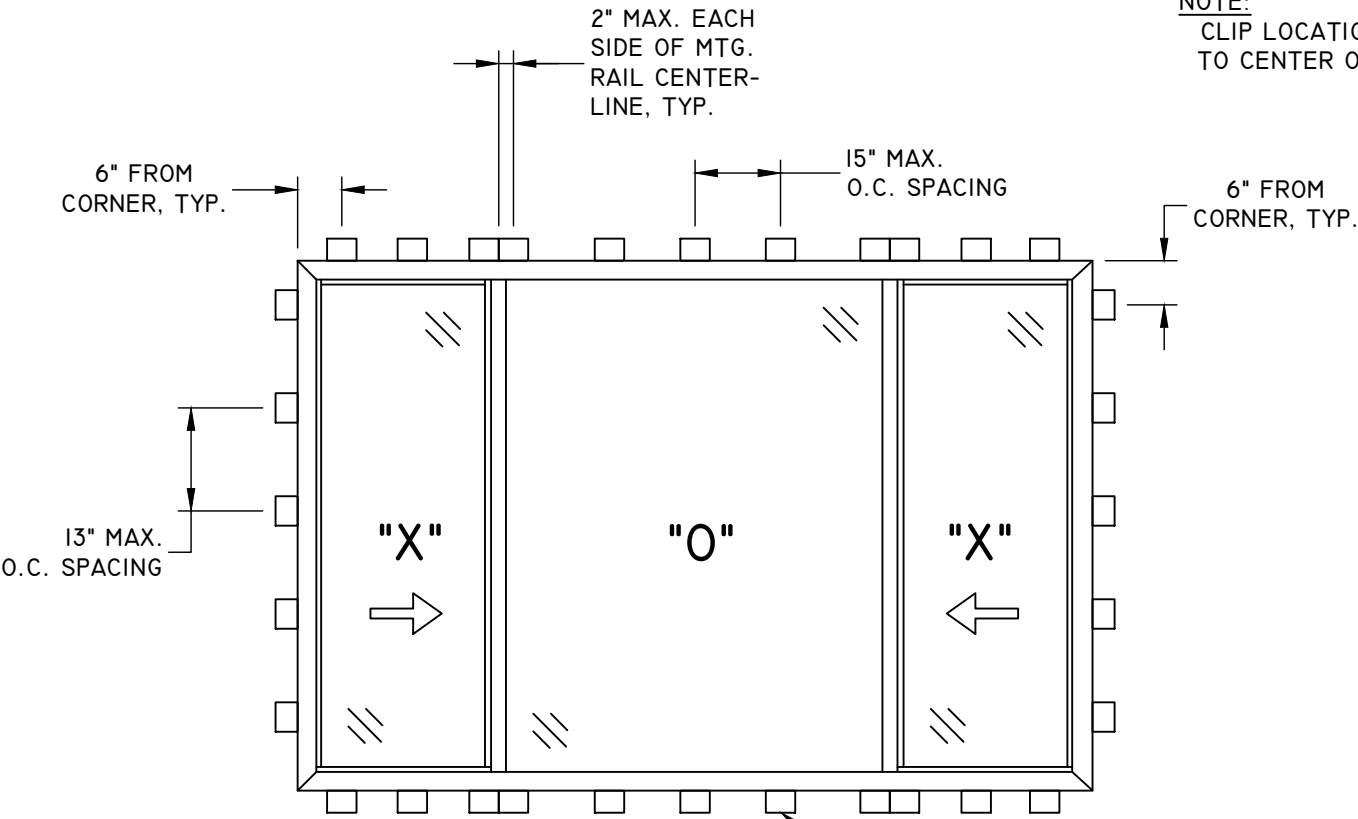
FIN INSTALLATION
ALSO APPLICABLE TO XOX UNITS



NOTE: USE ANCHOR CLIPS AT THE SILL FOR UNITS
USING FRAME INSTALLATION METHOD, AT
SAME SPACING AS ANCHORS AT HEAD

ANCHOR LAYOUT

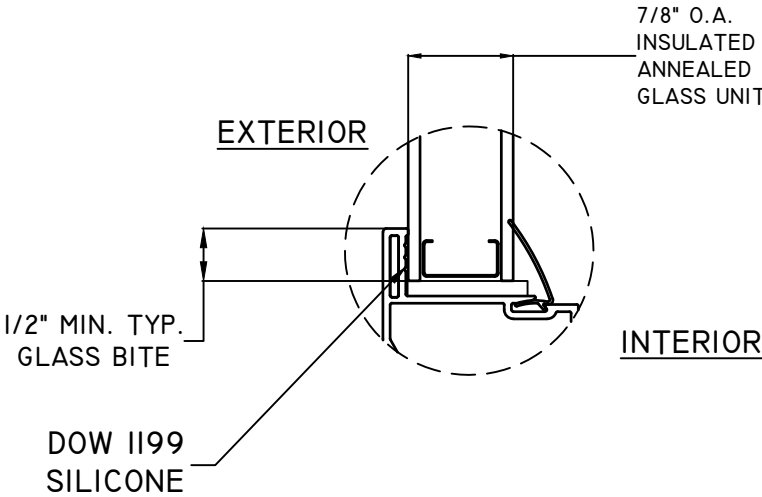
FRAME INSTALLATION
ALSO APPLICABLE TO XO AND XOX 1/4-1 1/2-1 1/4



ANCHOR LAYOUT

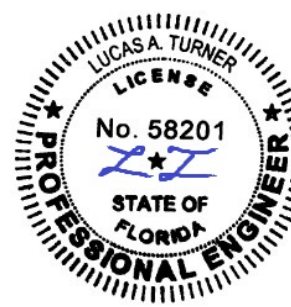
CLIP INSTALLATION
ALSO APPLICABLE TO XO AND XOX EVEN

NOTE:
CLIP LOCATIONS MEASURED
TO CENTER OF CLIP



GLAZING DETAIL

TITLE: SERIES I500 HORIZONTAL SLIDER WINDOW ANCHOR SCHEDULE & GLAZING DETAIL	DATE	BY	REVISION DESCRIPTION			
	12.13.12	JLA	B	ADDED NOTES & TABLE I	C	D
				UPDATED PER EC 07-008 & N18-001, W-1867		
				7TH EDITION (2020) FBC		
				8TH EDITION (2023) FBC		

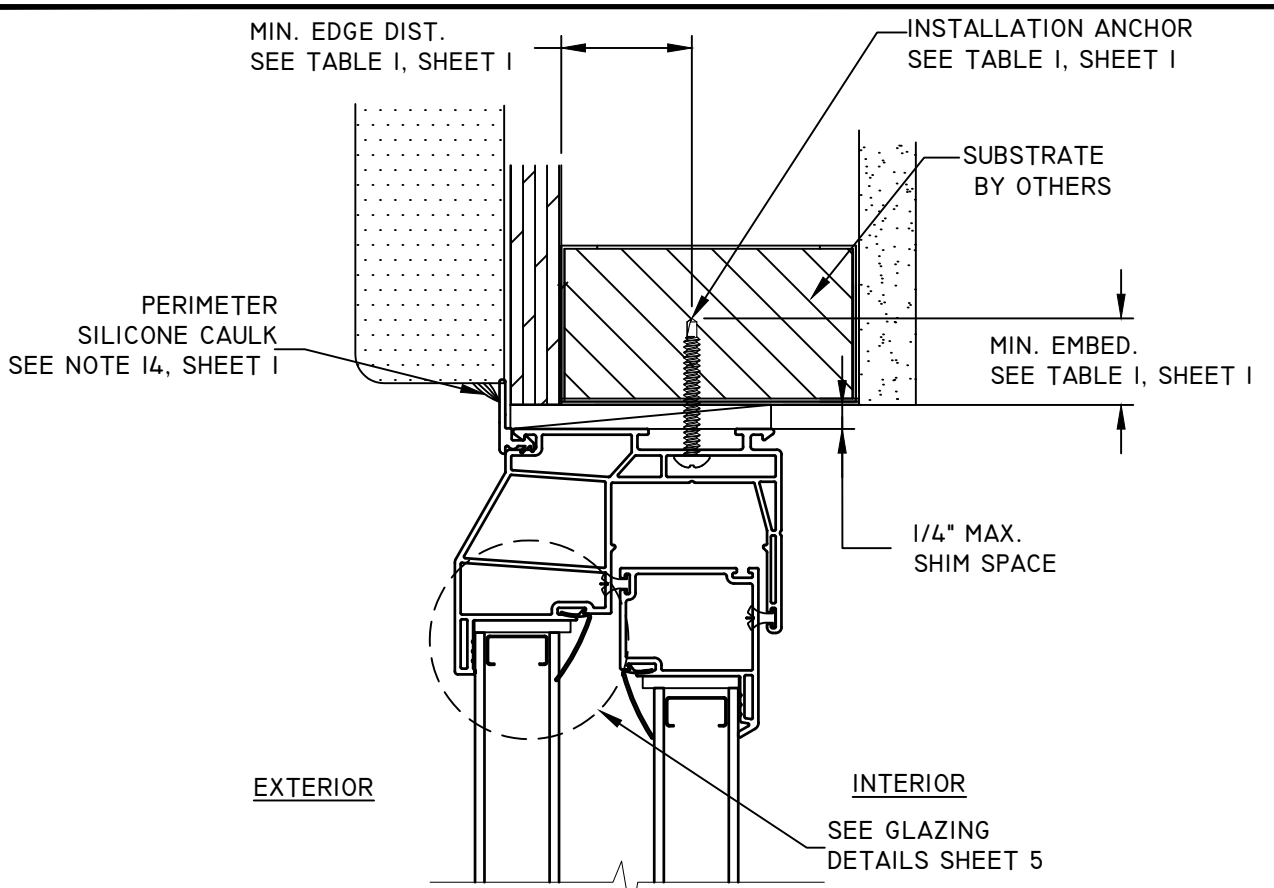


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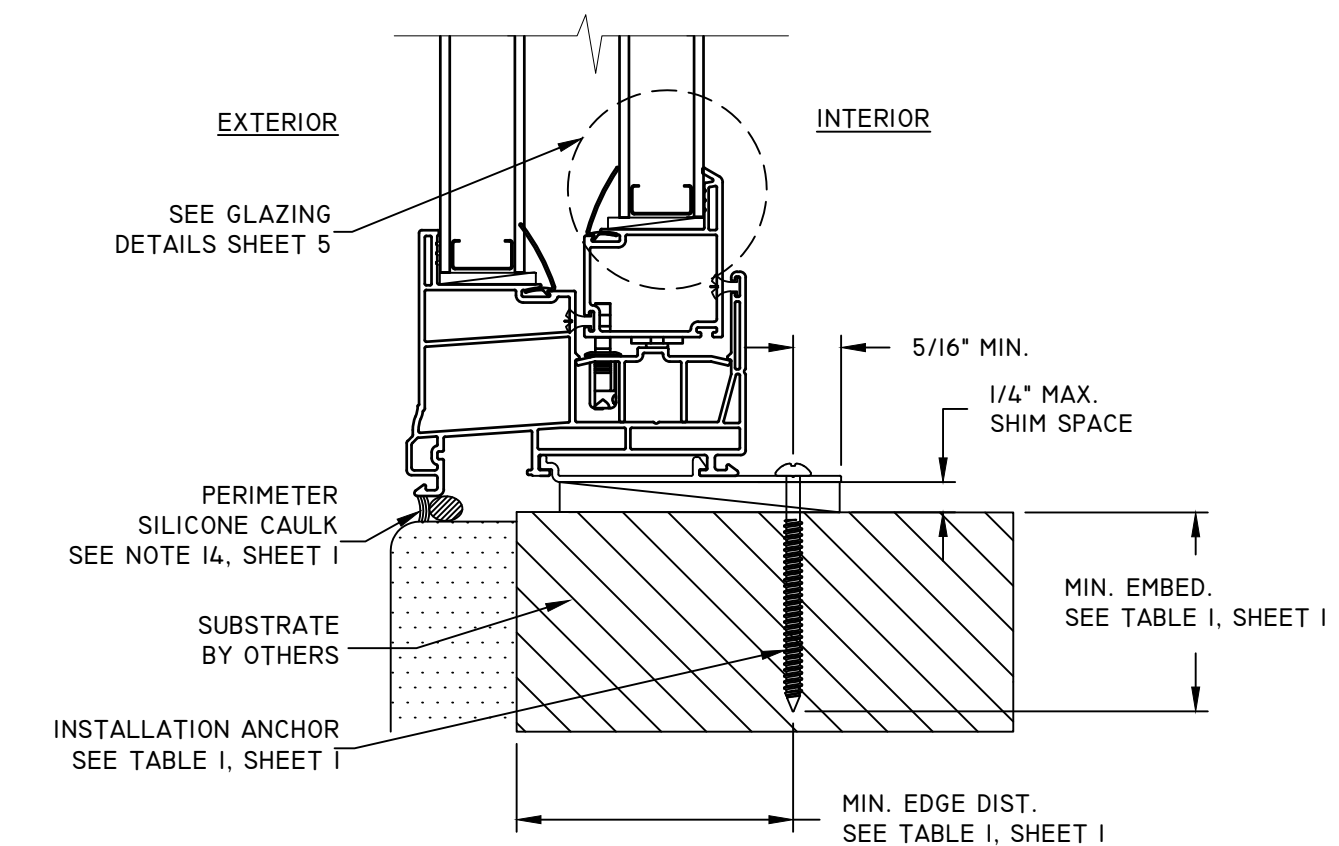
FL#: 16102

DWG #: PGWI85

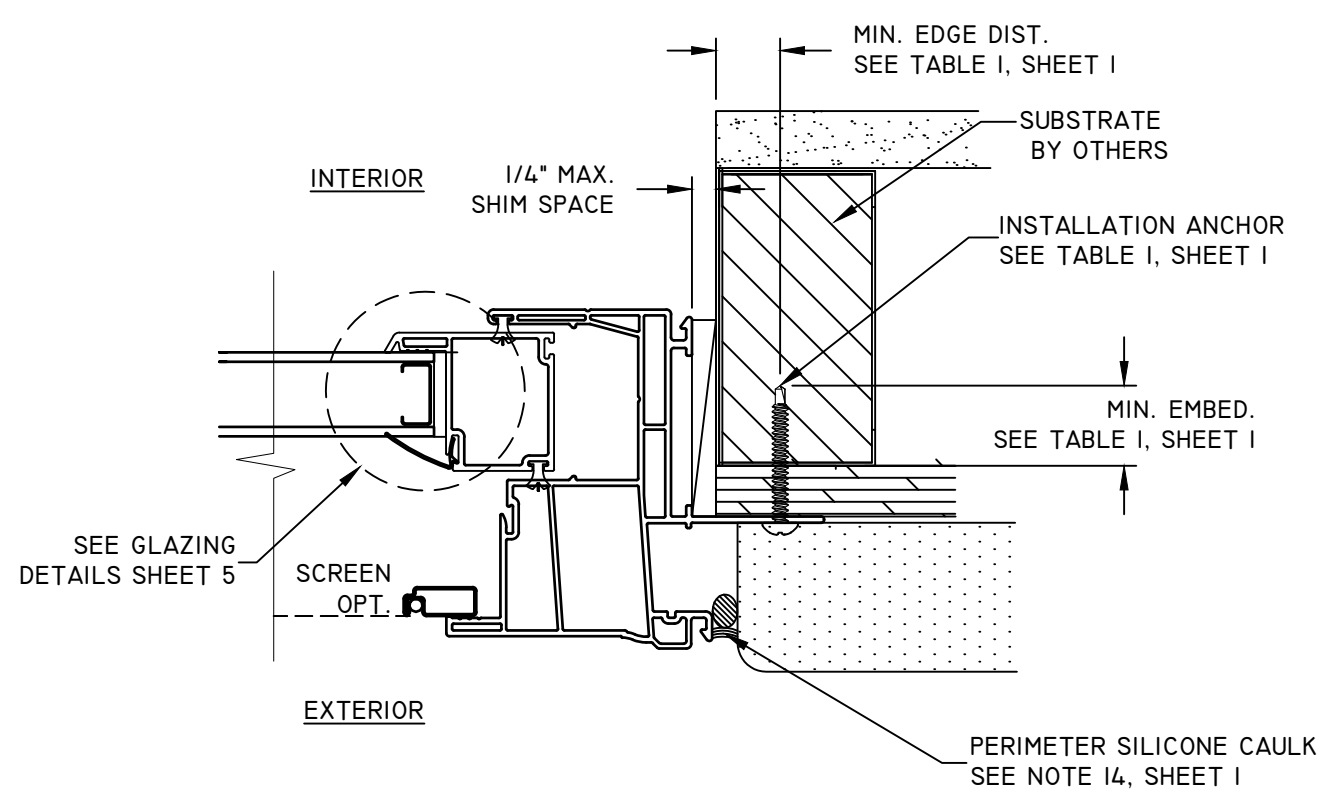
SHEET: 3 OF 4



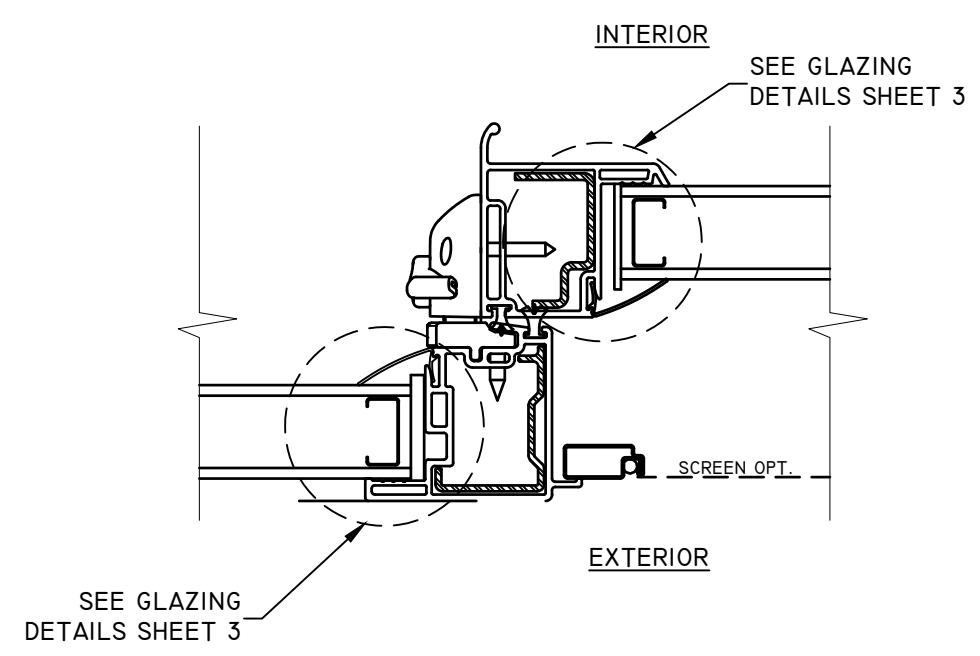
**B
4** **VERTICAL SECTION**
HEAD SHOWN - JAMB SIMILAR
BEVELED FRAME - FRAME INSTALLATION



**A
4** **VERTICAL SECTION**
SILL SHOWN - HEAD/JAMB SIMILAR
BRICKMOULD FRAME - CLIP INSTALLATION



**C
4** **HORIZONTAL SECTION**
JAMB SHOWN - HEAD/SILL SIMILAR
BRICKMOULD FRAME - FIN INSTALLATION



**D
4** **HORIZONTAL SECTION**
MEETING STILE
TYPICAL

TITLE: SERIES I500 HORIZONTAL SLIDER WINDOW CROSS SECTIONS	DATE	12.10.17
	BY	LMH
	REVISION DESCRIPTION	
	ADDED NOTES & TABLE I	
	UPDATED PER EC 07-008 & N18-001, W-1867	
NO.	B	
DATE	12.13.12	
DWN BY:	JLA	
CHK BY:		
SCALE:	NTS	



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SHEET: **4 OF 4**