

PLY GEM WINDOWS

SERIES 1500 HORIZONTAL SLIDER WINDOW

(IMPACT)

NOTES:

- 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.
- WHEN USED IN AREAS REQUIRING IMPACT PROTECTION, THIS PRODUCT REQUIRES THE USE OF APPROVED IMPACT PROTECTIVE DEVICES (SHUTTERS).
- 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.
- 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.
- 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).
- 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.
- 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.
- 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.
- INSTALLED GLAZING SHALL COMPLY WITH ASTM E 1300.
- 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.
- A WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.
- PRODUCTS SHALL BE CONSTRUCTED AS SPECIFIED IN TEST REPORTS NATIONAL CERTIFIED TESTING LABORATORIES I10-I6008-I.
- DESIGNATION "X" IS FOR OPERABLE PANEL AND "O" IS FOR FIXED PANEL
- 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	MISSILE IMPACT RATING
WIDTH	HEIGHT				
62-15/16"	48-1/16"	HS-LC50	+50/-60 PSF	XO <u>OR</u> OX	LARGE & SMALL MISSILE IMPACT

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1	INSTALLATION & GENERAL NOTES
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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.

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: SERIES 1500 HORIZONTAL SLIDER WINDOW IMPACT INSTALLATION AND GENERAL NOTES	DATE	BY	REVISION DESCRIPTION	07.10.18	07.31.20	11.20.20	12.04.23
	06.17.13	ADS		LMH	LMH	LMH	LMH
	DWN BY:	CHK BY:					

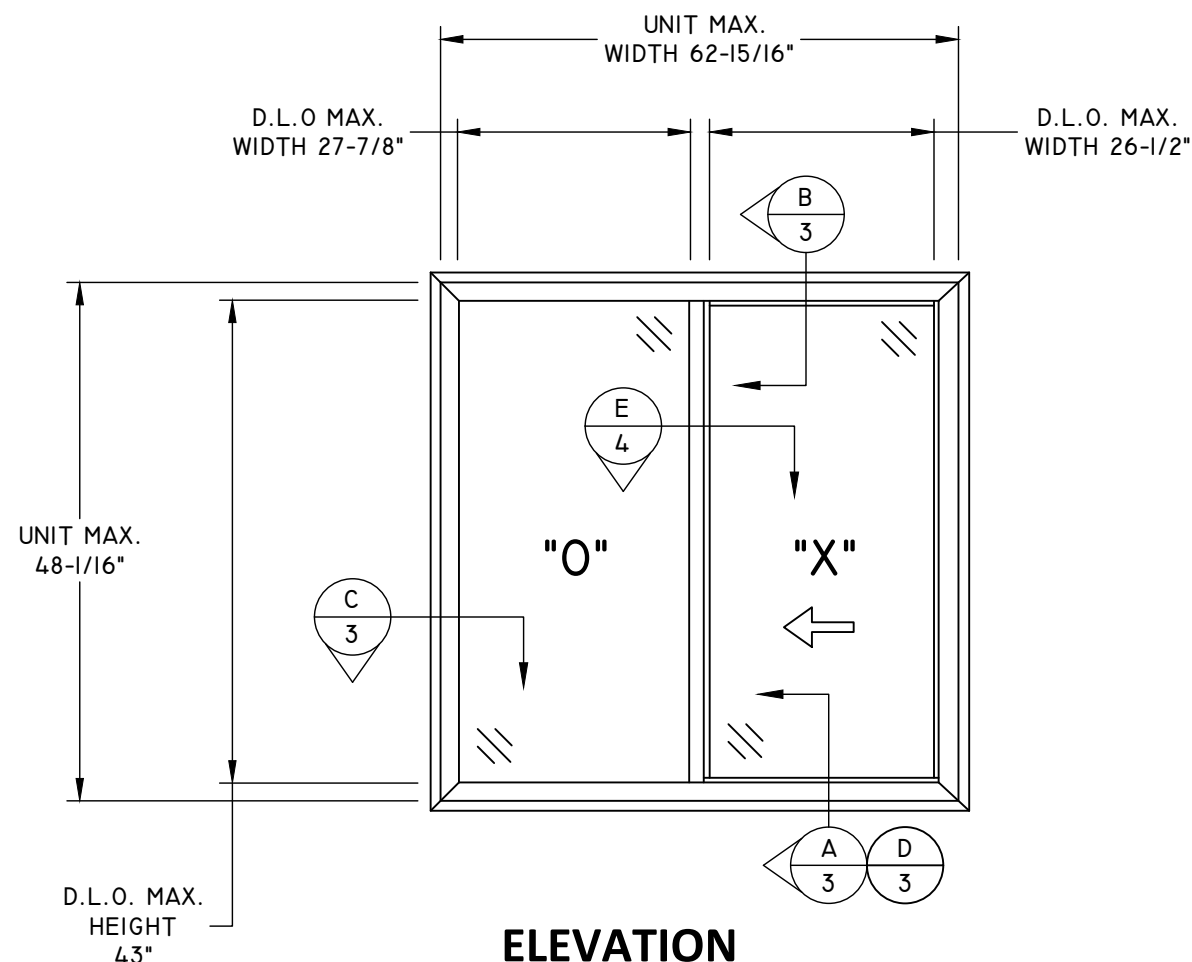


12/04/2023
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING & CONSULTING, INC.
(COA # 29779)
2428 OLD NATCHEZ TRACE
TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

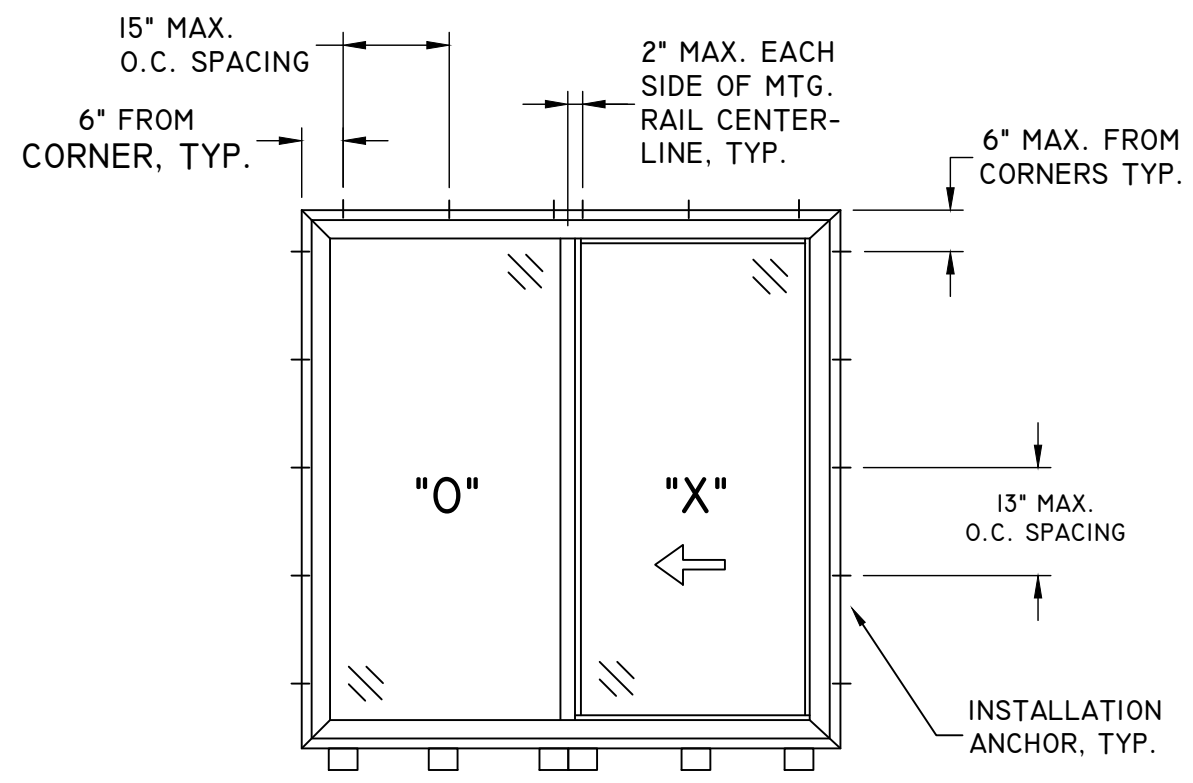
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DWG #: **PGW201FL**

SHEET: **1-FL OF 4**

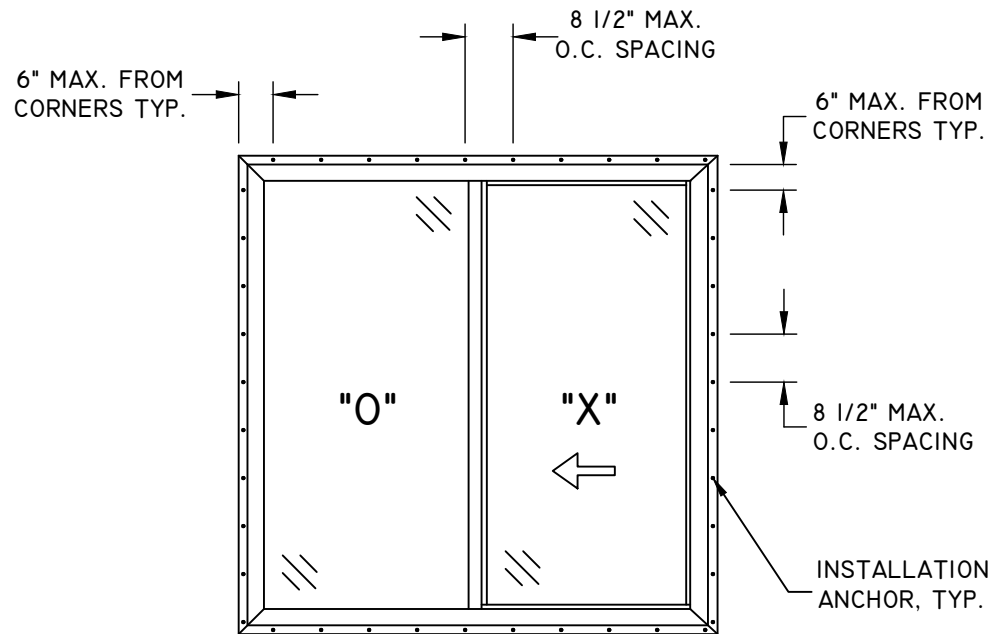


ELEVATION

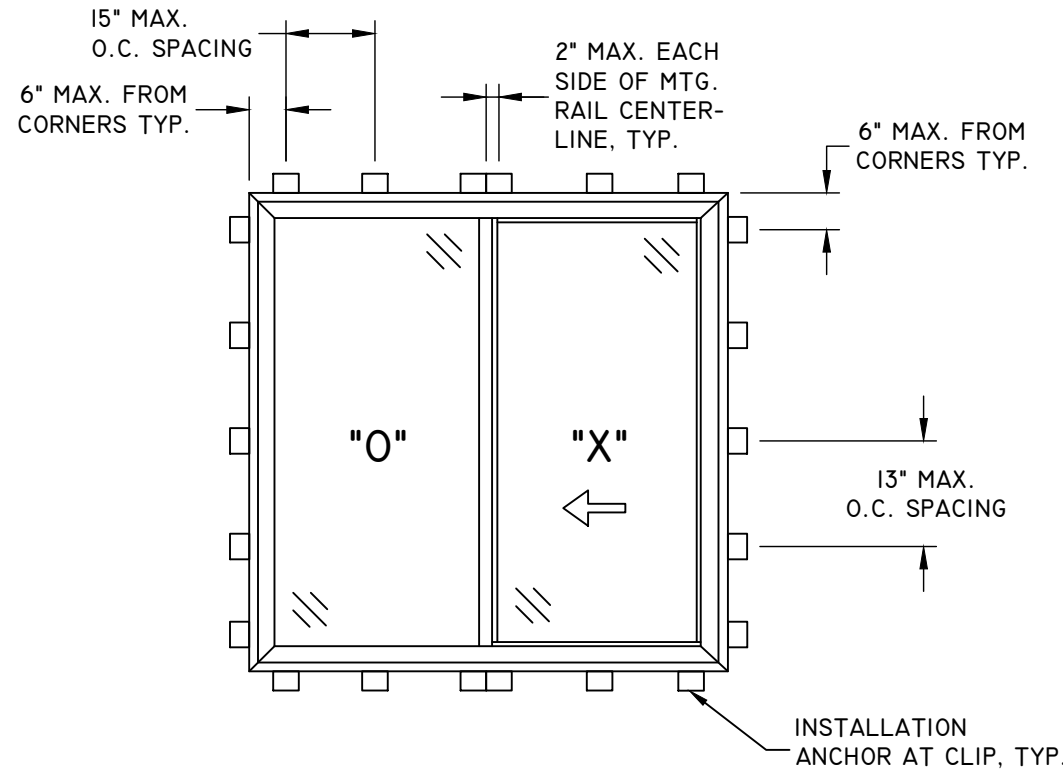


NOTE: USE ANCHOR CLIPS AT THE SILL FOR UNITS USING FRAME INSTALLATION METHOD, AT SAME SPACING AS ANCHORS AT HEAD

ANCHOR LAYOUT
FRAME INSTALLATION



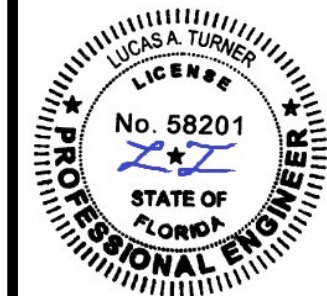
ANCHOR LAYOUT
FIN INSTALLATION



ANCHOR LAYOUT
CLIP INSTALLATION

TITLE: SERIES 1500 HORIZONTAL SLIDER WINDOW IMPACT ELEVATIONS & ANCHOR SCHEDULE	NO.	REVISION DESCRIPTION	BY	DATE
	C	UPDATED PER EC 07-008 & N18-001, W-1867	LMH	07.10.18
	D	CODE UPDATE	LMH	07.31.20
	E	7TH EDITION (2020) FBC	LMH	11.20.20
	F	8TH EDITION (2023) FBC	LMH	12.04.23

DATE: 06.17.13	DWN BY: ADS	CHK BY:	SCALE: NTS
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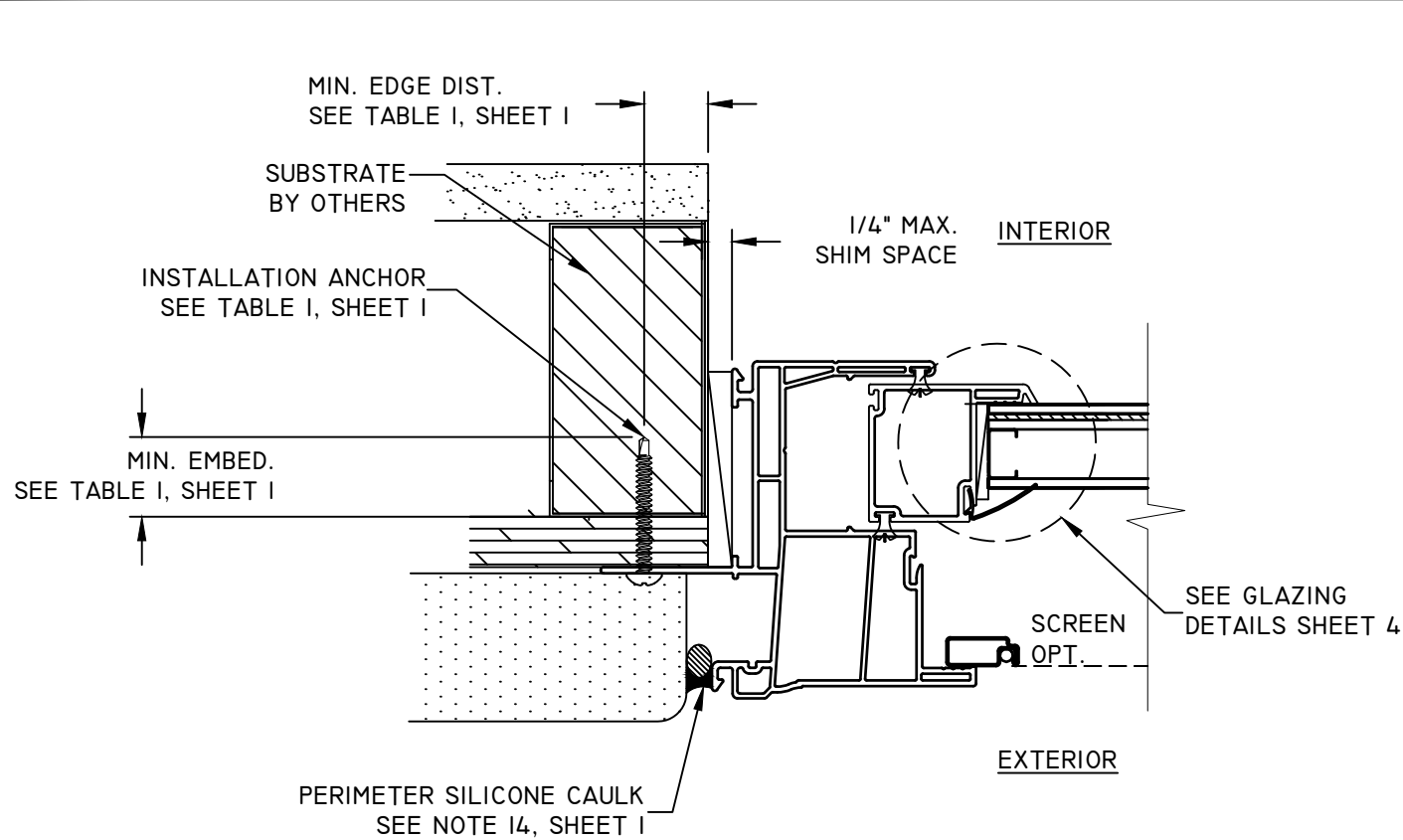


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PH. 941-380-1574

FL#: **16102**

DWG #: **PGW201**

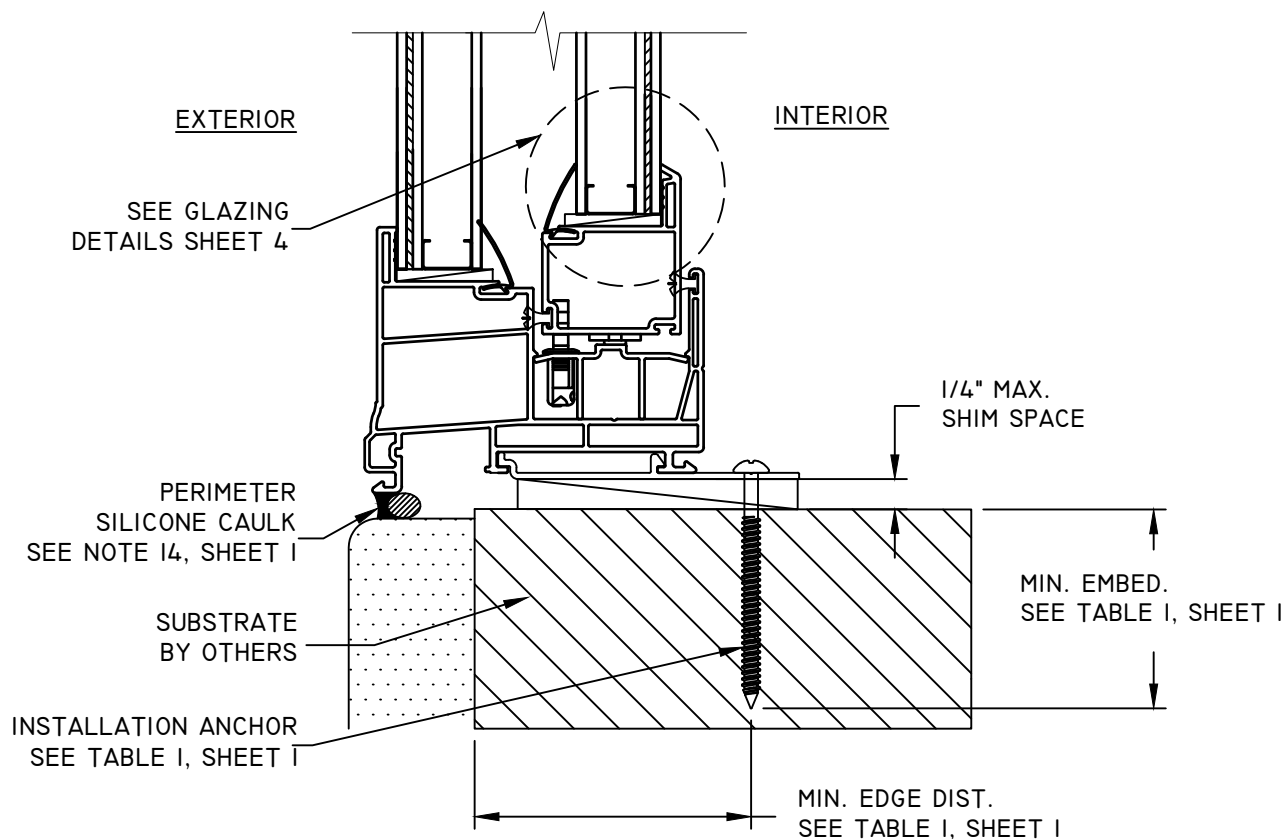
SHEET: **2** OF **4**



HORIZONTAL SECTION

JAMB
BRICKMOULD FRAME - FIN INSTALLATION

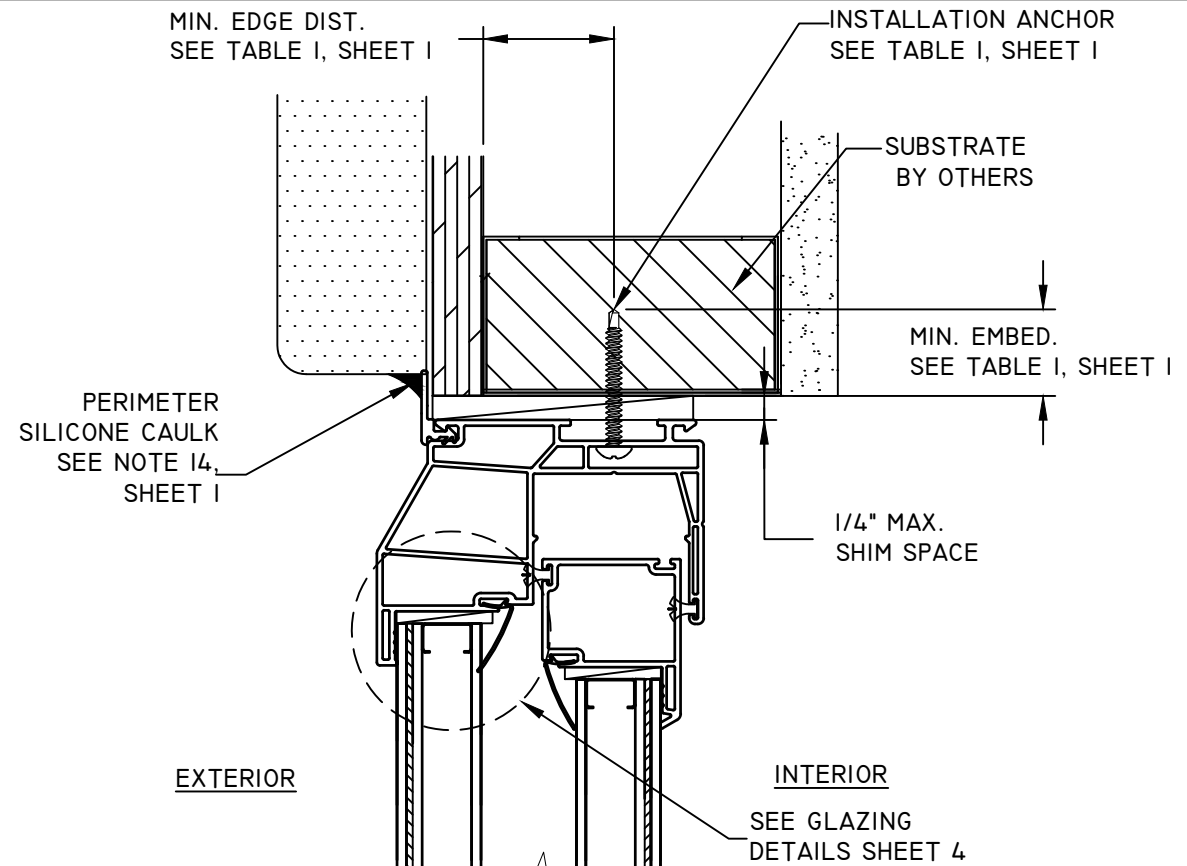
C
3



VERTICAL SECTION

SILL
BRICKMOULD FRAME - CLIP INSTALLATION

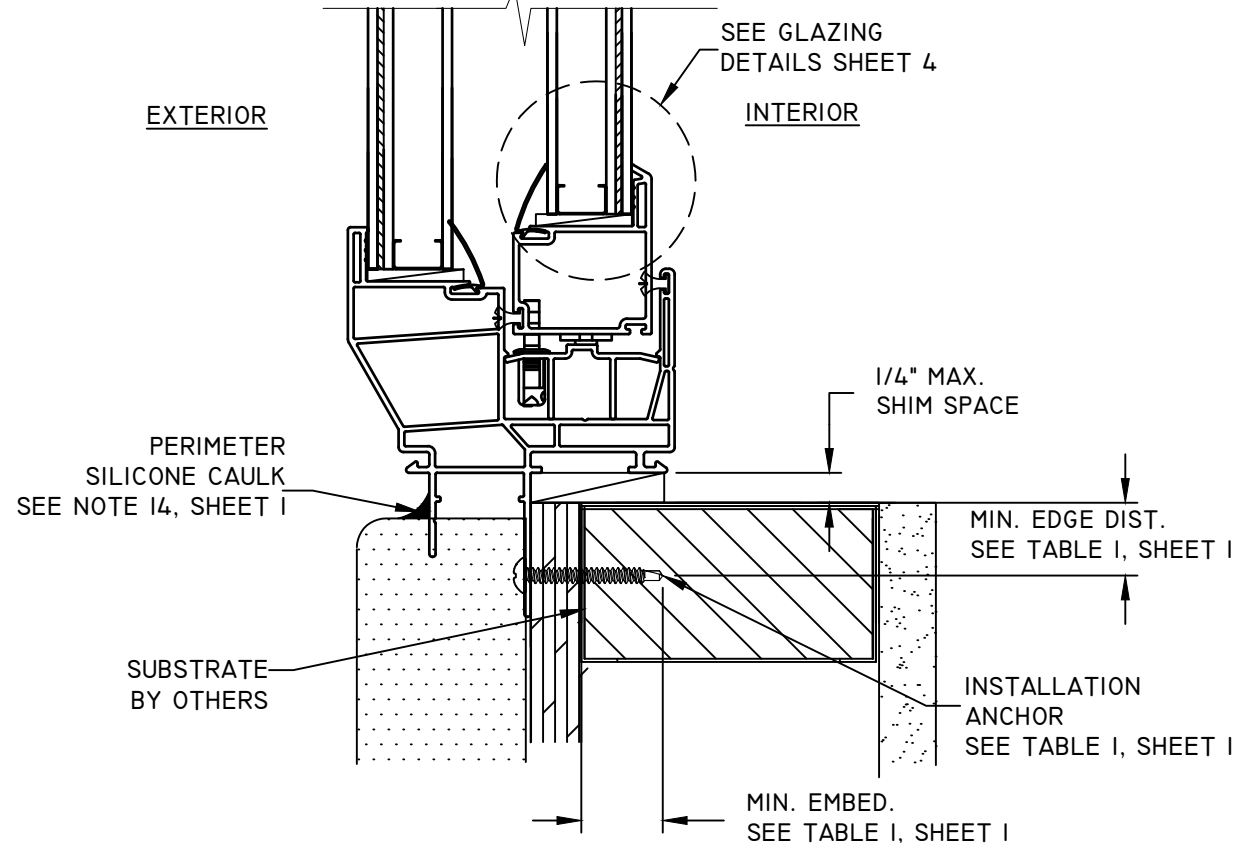
A
3



VERTICAL SECTION

HEAD
BEVELED FRAME - FRAME INSTALLATION

B
3



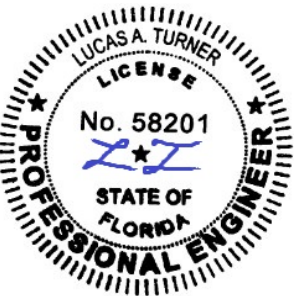
VERTICAL SECTION

SILL
BEVELED FRAME - FIN INSTALLATION

D
3

TITLE: SERIES 1500 HORIZONTAL SLIDER WINDOW IMPACT CROSS SECTIONS	NO.	REVISION DESCRIPTION	BY	DATE
	C	UPDATED PER EC 07-008 & N18-001, W-1867	LMH	07.10.18
	D	CODE UPDATE	LMH	07.31.20
	E	7TH EDITION (2020) FBC	LMH	11.20.20
	F	8TH EDITION (2023) FBC	LMH	12.04.23

DATE: 06.17.13	DWN BY: ADS	CHK BY:	SCALE: NTS
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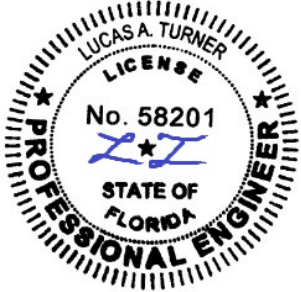
FL#: 16102

DWG #: PGW201

SHEET: 3 OF 4

TITLE: SERIES 1500 HORIZONTAL SLIDER WINDOW IMPACT SECTION & GLAZING DETAILS	DATE	BY	REVISION DESCRIPTION	NO.
	06.17.13	ADS		

DATE:	DWN BY:	CHK BY:	SCALE:
06.17.13	ADS		NTS



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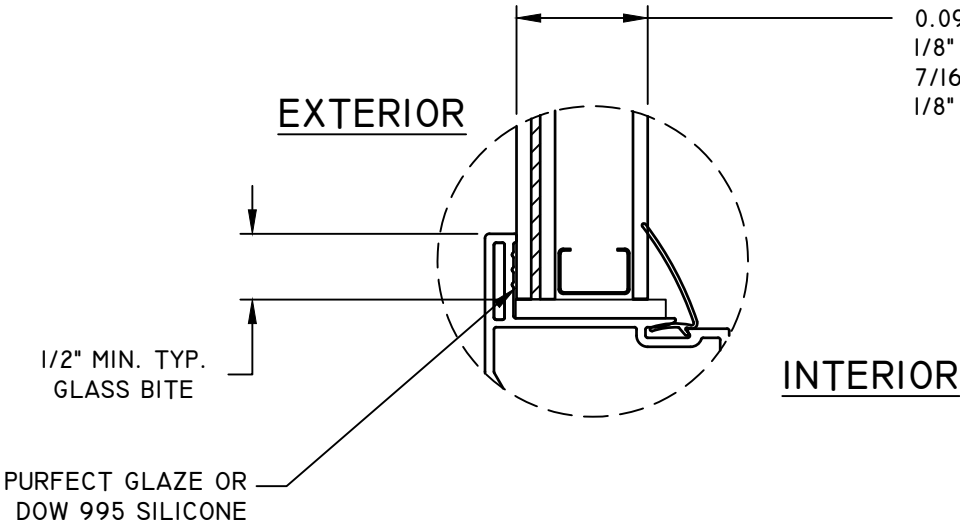
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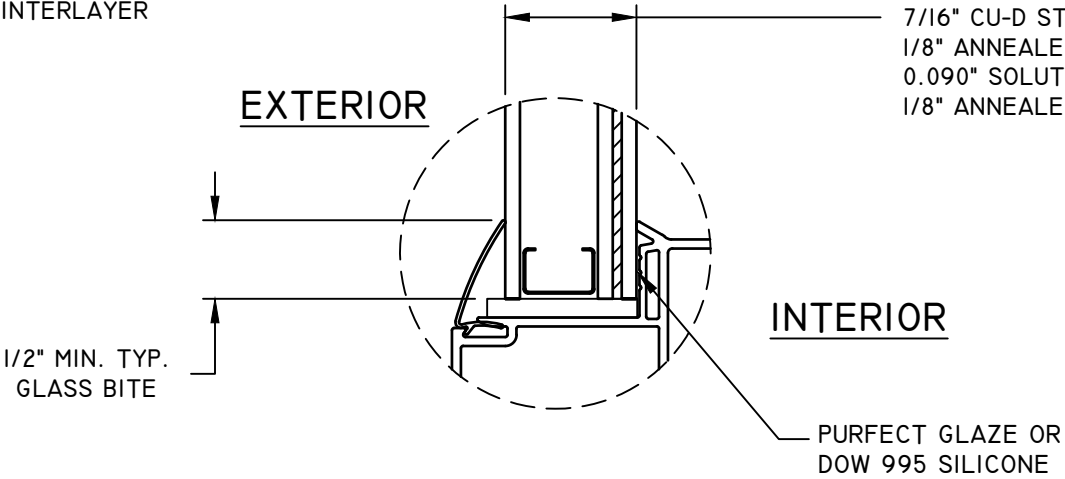
SHEET: 4 OF 4

7/8" O.A. INSULATED GLASS UNIT
CONSISTING OF:
1/8" ANNEALED GLASS
0.090" SOLUTIA SAFLEX PVB INTERLAYER
1/8" ANNEALED GLASS
7/16" CU-D STEEL SPACER
1/8" ANNEALED GLASS

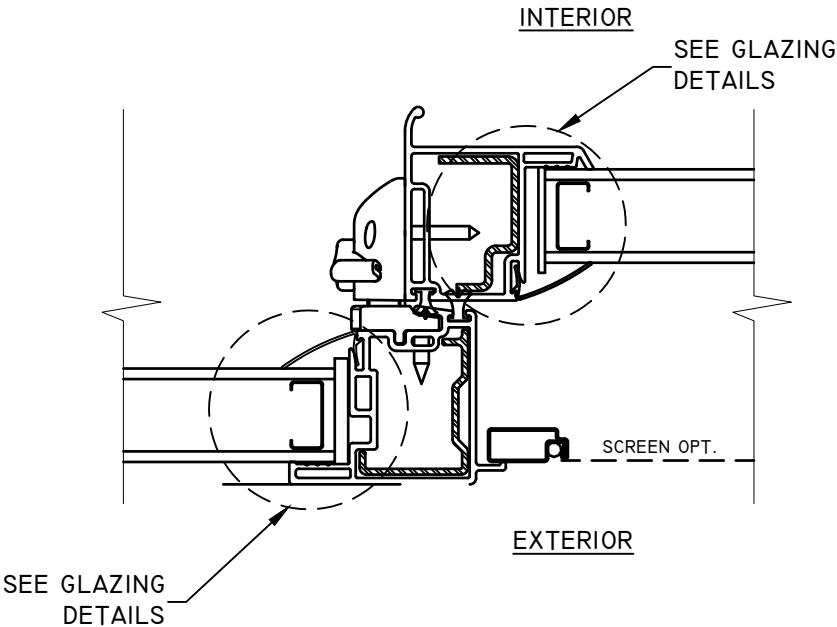
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1/8" ANNEALED GLASS



GLAZING DETAIL 1
FIXED LITE



GLAZING DETAIL 2
SASH LITE



E
4 **HORIZONTAL SECTION**
MEETING STILE
TYPICAL