

# SIMONTON WINDOWS - 07-09 / 07-10 / 07-20 SINGLE SLIDER WINDOW



1 COCHRANE AVENUE  
PENNSBORO, WV 26415  
PH: 800-542-9118

## w/SAFEPOINT IMPACT - MISSILE C

### NOTES:

- THIS INSTALLATION HAS BEEN EVALUATED FOR USE IN LOCATIONS ADHERING TO THE FLORIDA BUILDING CODES 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, FOR USE OUTSIDE THE H.V.H.Z.
- THIS PRODUCT IS MISSILE LEVEL C, WIND ZONE 2 IMPACT RESISTANT. WHEN USED IN WINDOW ZONE 2 OR BELOW AREAS, THIS PRODUCT DOES NOT REQUIRE THE USE OF APPROVED IMPACT PROTECTIONS DEVICES (SHUTTERS).
- ALL INTERIOR AND EXTERIOR PERIMETER SURFACES OF THE WINDOW MUST BE CAULKED.
- ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT 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.(EXCEPTION L-BRACKET ANCHOR).
- ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO. WOOD BUCKS WITH CONCRETE/CMU ARE OPTIONAL; IF USED, FOR WOOD BUCKS LESS THAN 1-1/2" THICK, INSTALLATION ANCHOR EMBEDMENT SHALL BE BEYOND WOOD BUCKS AND INTO CONCRETE/CMU. FOR WOOD BUCKS 1-1/2" THICK OR GREATER, INSTALLATION ANCHOR EMBEDMENT SHALL BE INTO WOOD BUCKS.
- 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 SIMONTON PRODUCTS TO MEET ALL APPLICABLE LOCAL LAWS, BUILDING CODES, ORDINANCES, OR OTHER SAFETY REQUIREMENTS FOR EACH INSTALLATION.
- MAX. SHIM STACK IS 1/4", AND SHIMS SHOULD BE USED WHERE GAPS OF GREATER THAN 1/16" EXISTING BETWEEN THE OPENING AND FRAME IN THE FOLLOWING LOCATIONS: FOR THROUGH-FRAME AT EACH INSTALLATION ANCHOR, AND FOR FIN AT THE JAMBS MAX. 6" FROM CORNERS AND AT MID-SPAN. SHIMS SHALL BE LOAD-BEARING AND CAPABLE OF TRANSFERRING LOADS TO THE SUBSTRATE.
- SEALING AND FLASHING BY OTHERS SHOULD BE APPLIED USING THE ASTM E 2112 METHODOLOGY APPROPRIATE FOR THE OPENING INTO WHICH THE WINDOW IS BEING INSTALLED. OVERALL WATER PENETRATION RESISTANCE OF THE INSTALLED PRODUCT IS THE RESPONSIBILITY OF OTHERS.
- GLAZING SHALL COMPLY WITH ASTM E 1300.
- A WIND LOAD DURATION FACTOR  $C_d = 1.6$  WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.
- ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE COATED OR CONSTRUCTED OF MATERIAL 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.
- WINDOWS SHALL BE CONSTRUCTED AS SPECIFIED IN TEST REPORTS D2303.01-501-47-RI-UD BY ARCHITECTURAL TESTING, INC. AND I10-24311-I-RI BY NATIONAL CERTIFIED TESTING LABORATORIES.
- DESIGNATION "X" IS FOR OPERABLE PANEL AND "O" IS FOR FIXED PANEL.
- USE A BACKER ROD ON ALL JOINTS  $>3/4"$ . FINISHED CAULK JOINT SHOULD BE A MINIMUM OF 3/8".

DESIGN PRESSURE TABLE						
PRODUCT MODEL	OVERALL SIZE		PERFORMANCE RATING	DESIGN PRESSURE	INSTALLATION METHOD	MISSILE IMPACT RATING
	WIDTH	HEIGHT				
07-09   07-10   07-20	73"	63"	R-PG40	+40/-40 PSF	NAIL FIN	MISSILE C WIND ZONE 2
07-09   07-10   07-20	73"	63"	R-PG40	+40/-40 PSF	THROUGH FRAME	

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2	ELEVATION & ANCHOR LAYOUTS
3	VERTICAL SECTIONS
4	HORIZONTAL SECTIONS & GLAZING DETAILS

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 GRADE 5 WOOD SCREW	1-1/2"	3/8"
B	16 GAUGE (0.060"), STEEL 36 KSI MIN. OR 1/8" ALUM. 6063-T5 MIN.	#10 GRADE 5 SELF-TAPPING/DRILLING SCREW	FULL, PLUS 3 THREADS MIN.	3/8"
FRAME INSTALLATION				
C	2X MIN. SOUTHERN PINE WOOD (G=0.55)	3/16" ELCO ULTRACON OR DEWALT ULTRACON+	1-3/8"	7/8"
D	CONCRETE (3.05 KSI MIN.)	3/16" ELCO ULTRACON OR DEWALT ULTRACON+	1-3/4"	1"
E	HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	3/16" ELCO ULTRACON OR DEWALT ULTRACON+	1-1/4"	2-1/2"
F	2X MIN. SOUTHERN PINE WOOD (G=0.55)	#10 GRADE 5 WOOD SCREW	1-3/8"	7/8"
G	16 GAUGE (0.060"), STEEL 36 KSI MIN. OR 1/8" ALUM. 6063-T5 MIN.	#10 GRADE 5 SELF-TAPPING/DRILLING SCREW	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.

NO.	REVISION DESCRIPTION	BY	DATE

TITLE: 07-09/07-10/0-20 SINGLE SLIDER W/SAFEPOINT NOTES: DESIGN PRESSURE & INSTALLATION FASTENER TABLES

DATE:	DWN BY:	CHK BY:	SCALE:
07.23.21	LMH	.	NTS



8/26/2021  
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

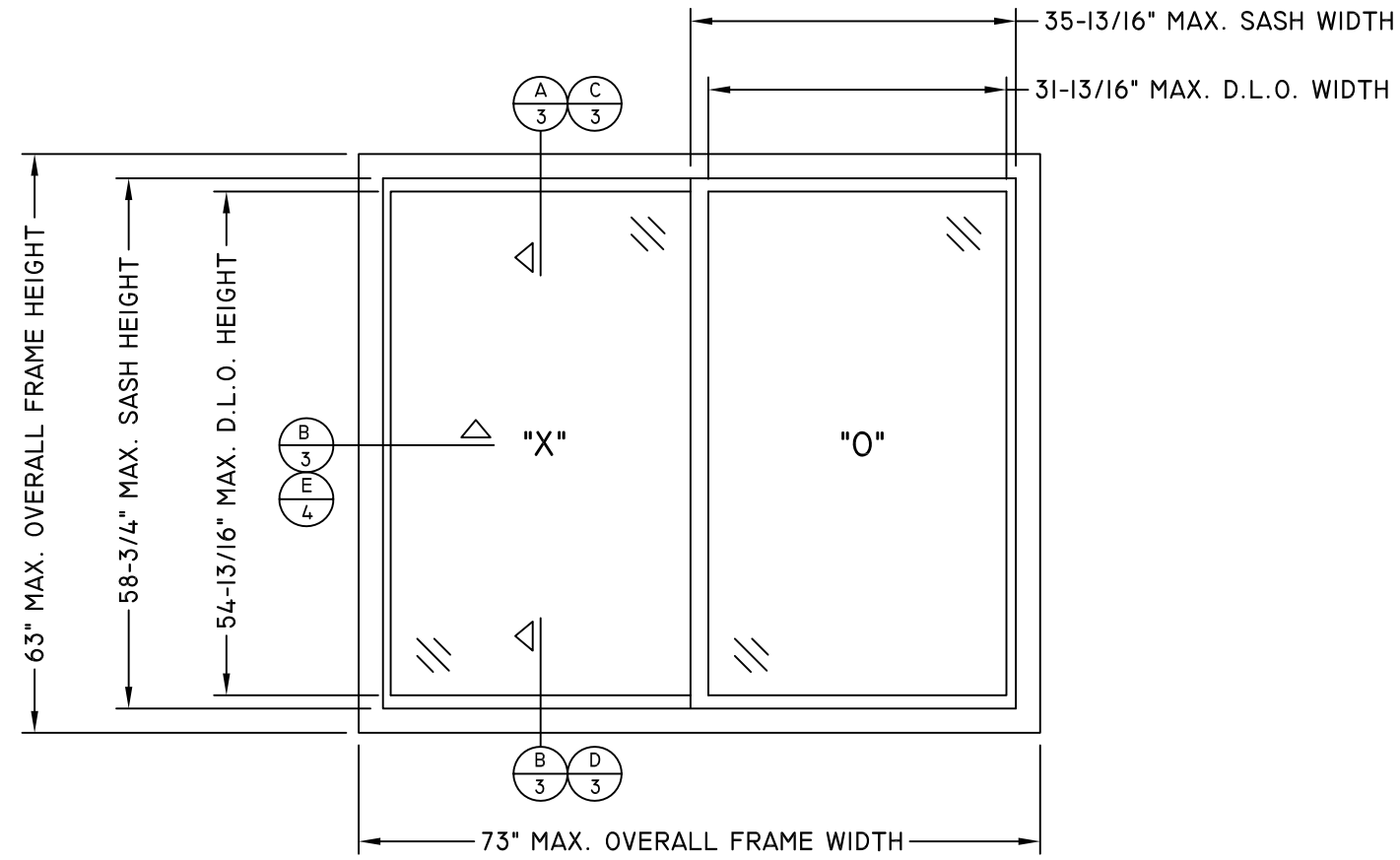
FL#: **39620**

DWG #: **IN0597FL**

SHEET: **1-FL OF 4**

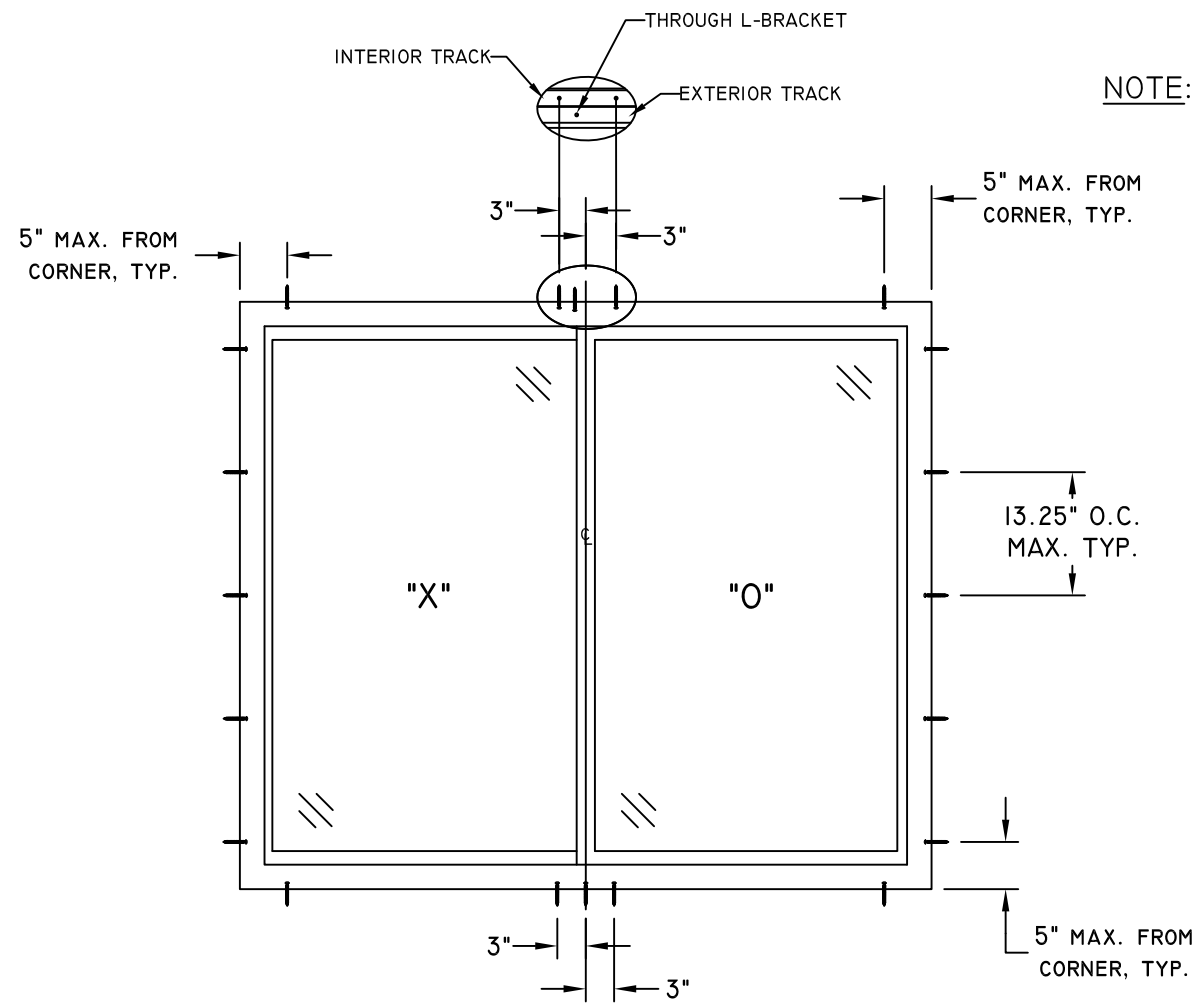


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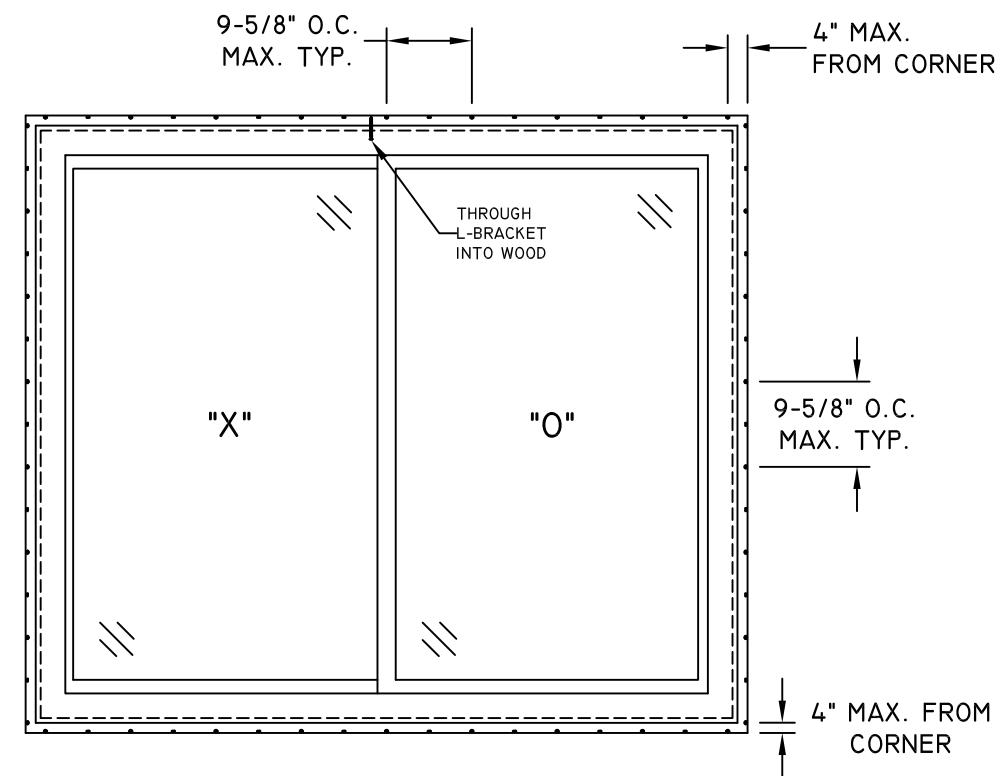


**ELEVATION VIEW**

NOTE: OX SHOWN, ALSO QUALIFIES XO.



**ANCHOR LAYOUT  
 FINLESS**



**ANCHOR LAYOUT  
 NAIL FIN**

TITLE: 07-09/07-10/0-20 SINGLE SLIDER W/SAFEPOINT ELEVATIONS AND ANCHOR LAYOUTS	DATE			
	BY			
REVISION DESCRIPTION	NO.			

DATE: 07.23.21	DWN BY: LMH	CHK BY:	SCALE: NTS
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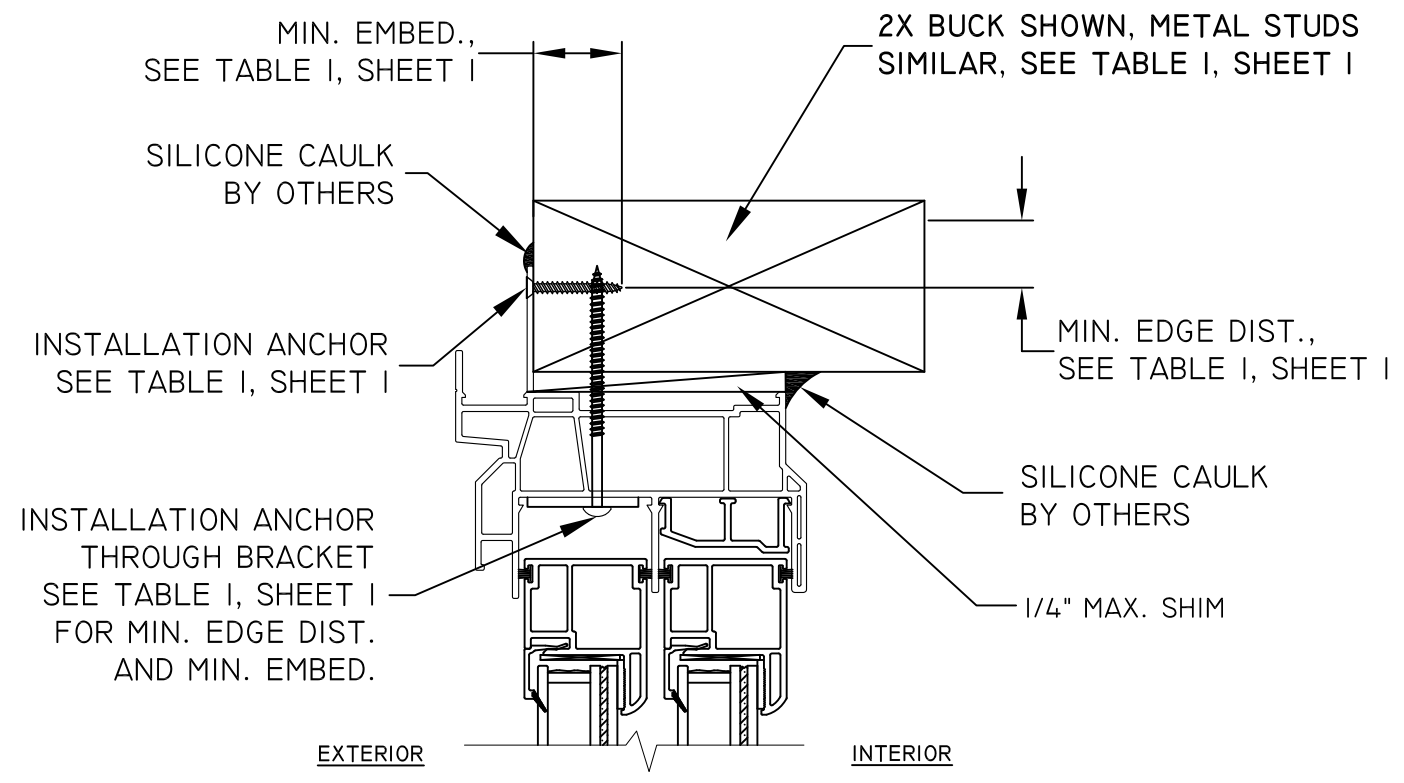
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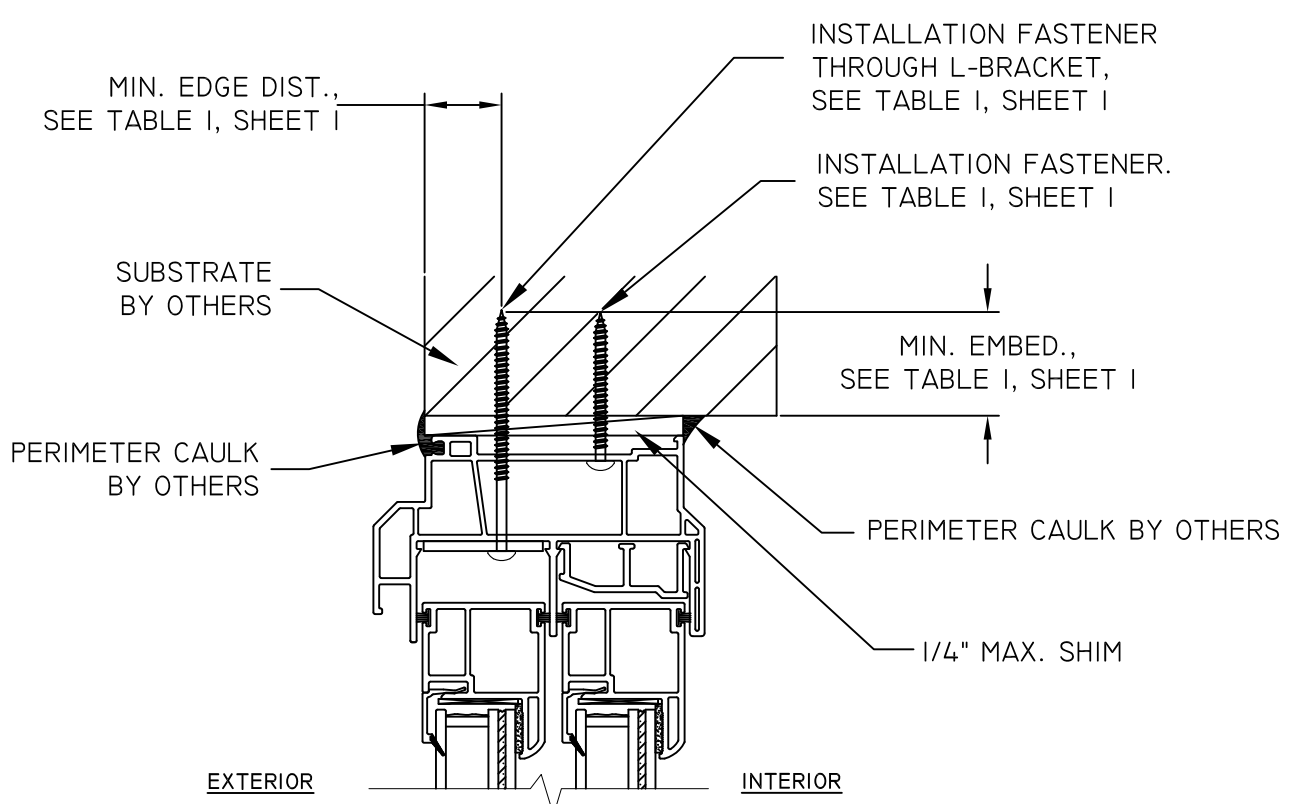
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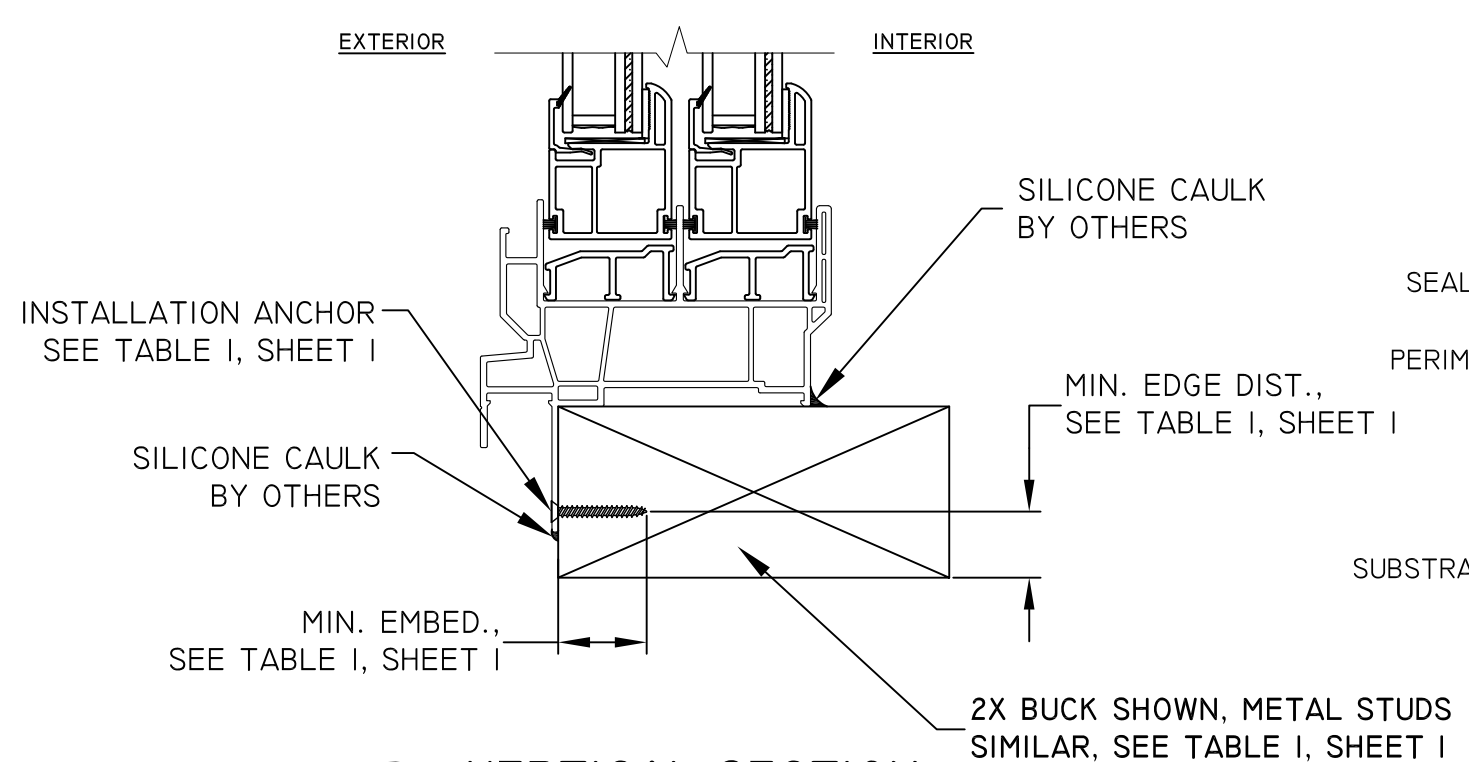
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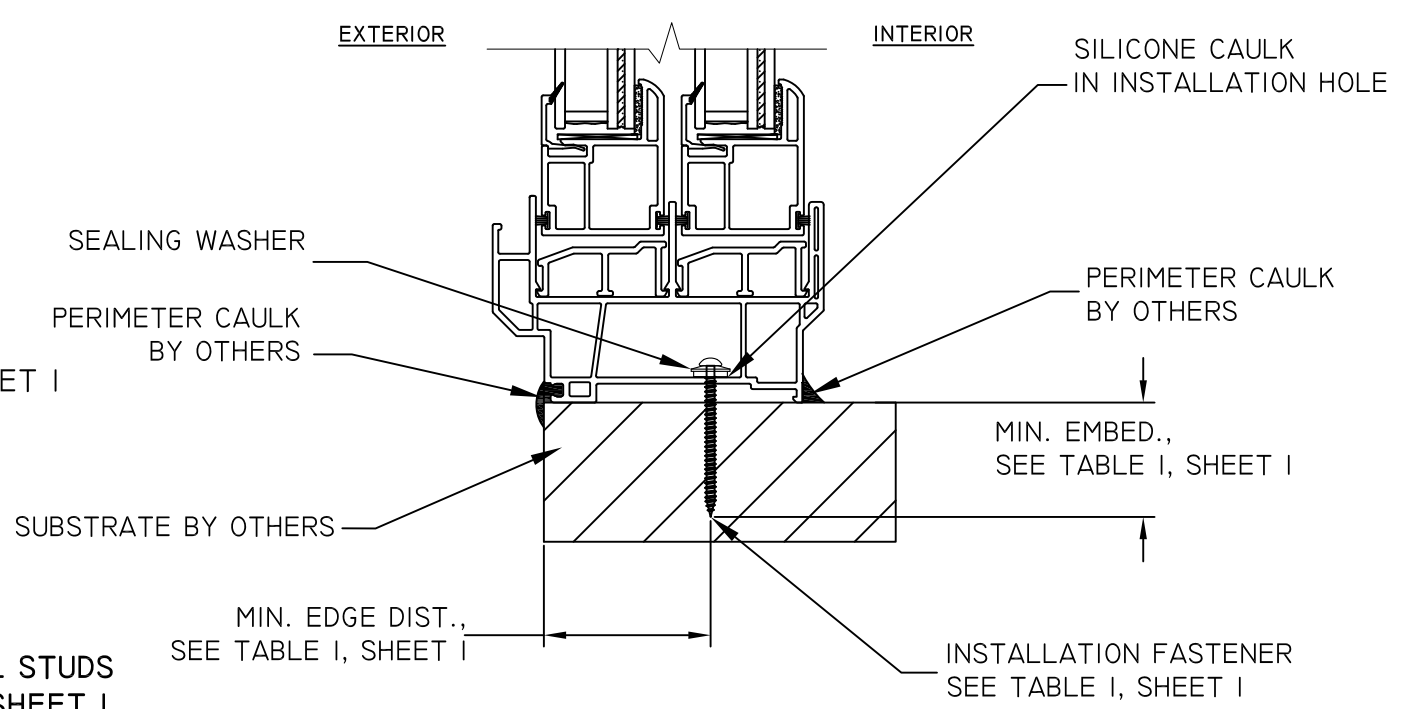
**A**  
**3**  
 VERTICAL SECTION  
 HEAD AND JAMBS  
 FIN INSTALLATION



**C**  
**3**  
 VERTICAL SECTION  
 HEAD  
 FINLESS INSTALLATION



**B**  
**3**  
 VERTICAL SECTION  
 SILL  
 FIN INSTALLATION

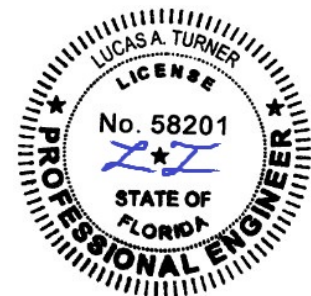


**D**  
**3**  
 VERTICAL SECTION  
 SILL  
 FINLESS INSTALLATION

TITLE: 07-09/07-10/0-20 SINGLE SLIDER W/SAFEPOINT VERTICAL SECTIONS

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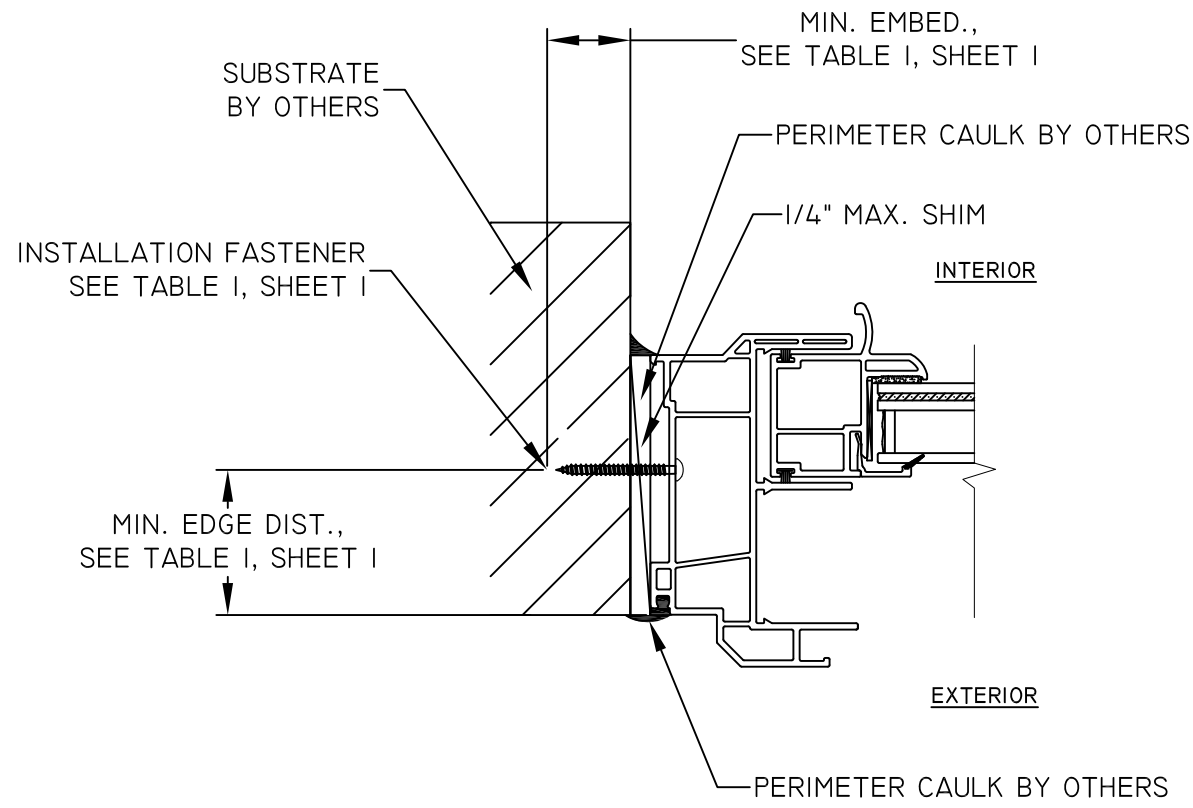
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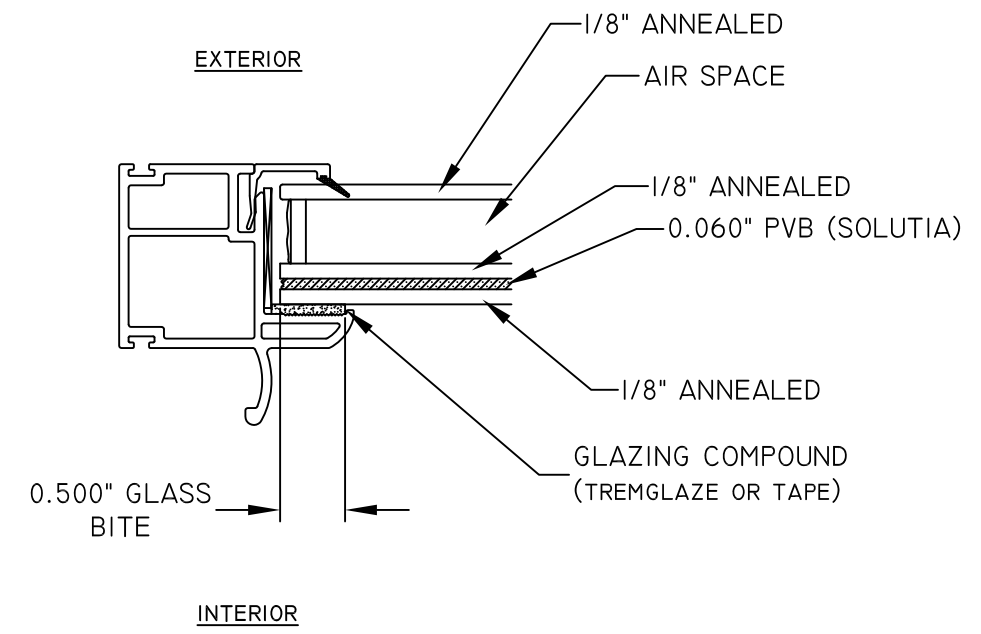
SHEET: **3 OF 4**



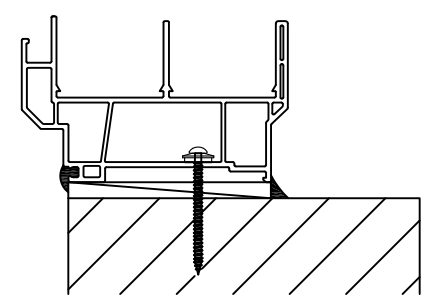
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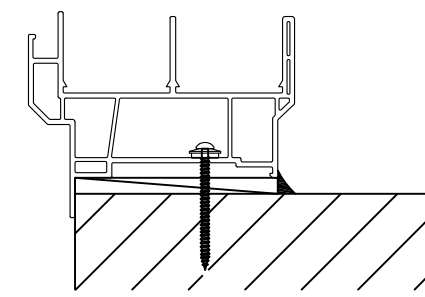
**E**  
**4** HORIZONTAL SECTION  
 JAMBS  
 FINLESS INSTALLATION



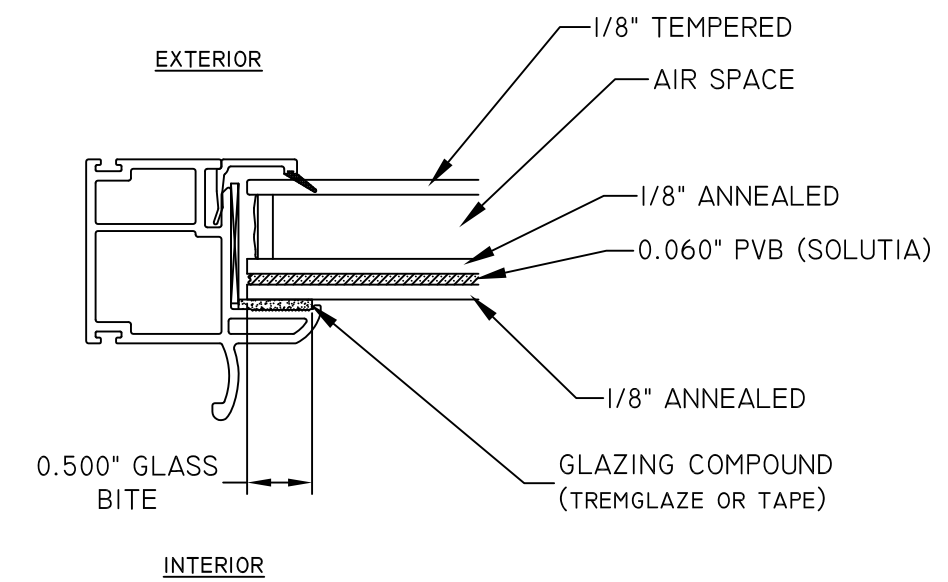
7/8" INSULATED ANNEALED IMPACT RESISTANT  
 GLASS WITH 0.060" PVB INTERLAYER



07-09 BLOCK FRAME (FINLESS)  
 (FOR ANCHORAGE SEE SHEET 3)



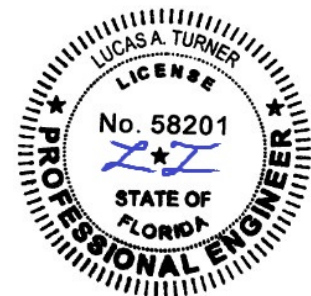
07-10 FRAME WITH  
 INTEGRAL MASONRY FLANGE  
 (ANCHORAGE SIMILAR TO FINLESS)



7/8" INSULATED TEMPERED/ANNEALED IMPACT RESISTANT  
 GLASS WITH 0.060" PVB INTERLAYER (OPTIONAL)

TITLE: 07-09/07-10/0-20 SINGLE SLIDER W/SAFEPOINT HORIZONTAL SECTIONS & GLAZING OPTIONS	DATE			
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SHEET: **4 OF 4**