

# SIMONTON WINDOWS - 07-09 / 07-10 / 07-20 3-LITE SLIDING WINDOW



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

**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 4" SHALL BE MAINTAINED BETWEEN ALL INSTALLATION FASTENERS IN ANY DIRECTION.
- 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 Cd = 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 I10-24312-I-R0 AND I10-24445-I-R0 BY NATIONAL CERTIFIED TESTING LABORATORIES AND D2294.01-501-47-R0 BY ARCHITECTURAL TESTING, INC.
- 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".

## w/SAFEPOINT IMPACT - MISSILE C

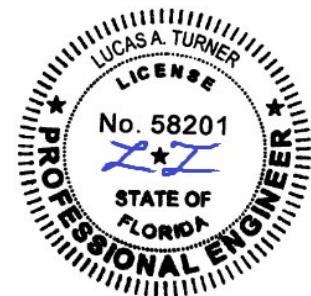
PRODUCT MODEL	STYLE	OVERALL SIZE		PERFORMANCE RATING	DESIGN PRESSURE	INSTALLATION METHOD	MISSILE IMPACT RATING
		WIDTH	HEIGHT				
07-09   07-10   07-20	EQUAL	105"	63"	R-PG40	+40/-40 PSF	NAIL FIN	MISSILE C WIND ZONE 2
07-09   07-10   07-20	EQUAL	105"	63"	R-PG40	+40/-40 PSF	THROUGH FRAME	
07-09   07-10   07-20	QHQ	105"	63"	R-PG40	+40/-40 PSF	NAIL FIN	
07-09   07-10   07-20	QHQ	105"	63"	R-PG40	+40/-40 PSF	THROUGH FRAME	

SECTION	SHEET DESCRIPTION
1	NOTES, DESIGN PRESSURE & INSTALLATION FASTENER TABLES
2	ELEVATION & ANCHOR LAYOUTS
3	ELEVATION & ANCHOR LAYOUTS
4	VERTICAL SECTIONS
5	HORIZONTAL SECTIONS & GLAZING DETAILS

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" DEWALT ULTRACON+	1-3/8"	7/8"
D	CONCRETE (3.05 KSI MIN.)	3/16" DEWALT ULTRACON+	1-3/4"	1"
E	HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	3/16" DEWALT ULTRACON+	1-1/4"	1"
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.

TITLE: 07-09/07-10/07-20 3-LITE SLIDER w/SAFEPOINT NOTES, DESIGN PRESSURE & INSTALLATION FASTENER TABLES	DATE	BY	REVISION DESCRIPTION	NO.
	07.23.21	LMH		
DATE:	DWN BY:	CHK BY:	SCALE:	NTS
07.23.21	LMH			

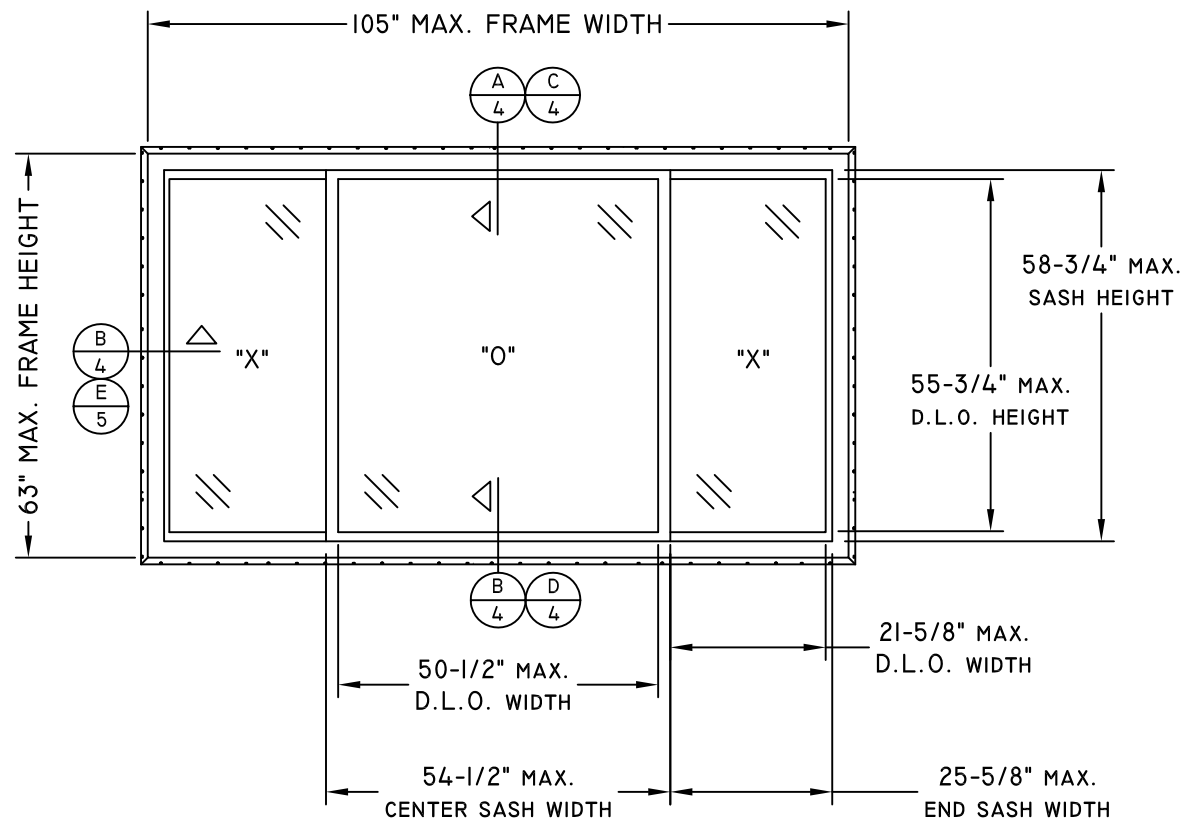


8/26/2021  
LUCAS A. TURNER, P.E.  
FL PE # 58201  
TURNER ENGINEERING & CONSULTING, INC.  
(COA # 29779)  
2428 OLD NATCHEZ TRACE TRAIL, CAMDEN, TN 38320  
PH. 941-380-1574

FL#: **39620**  
DWG #: **IN0599FL**  
SHEET: **1-FL of 5**

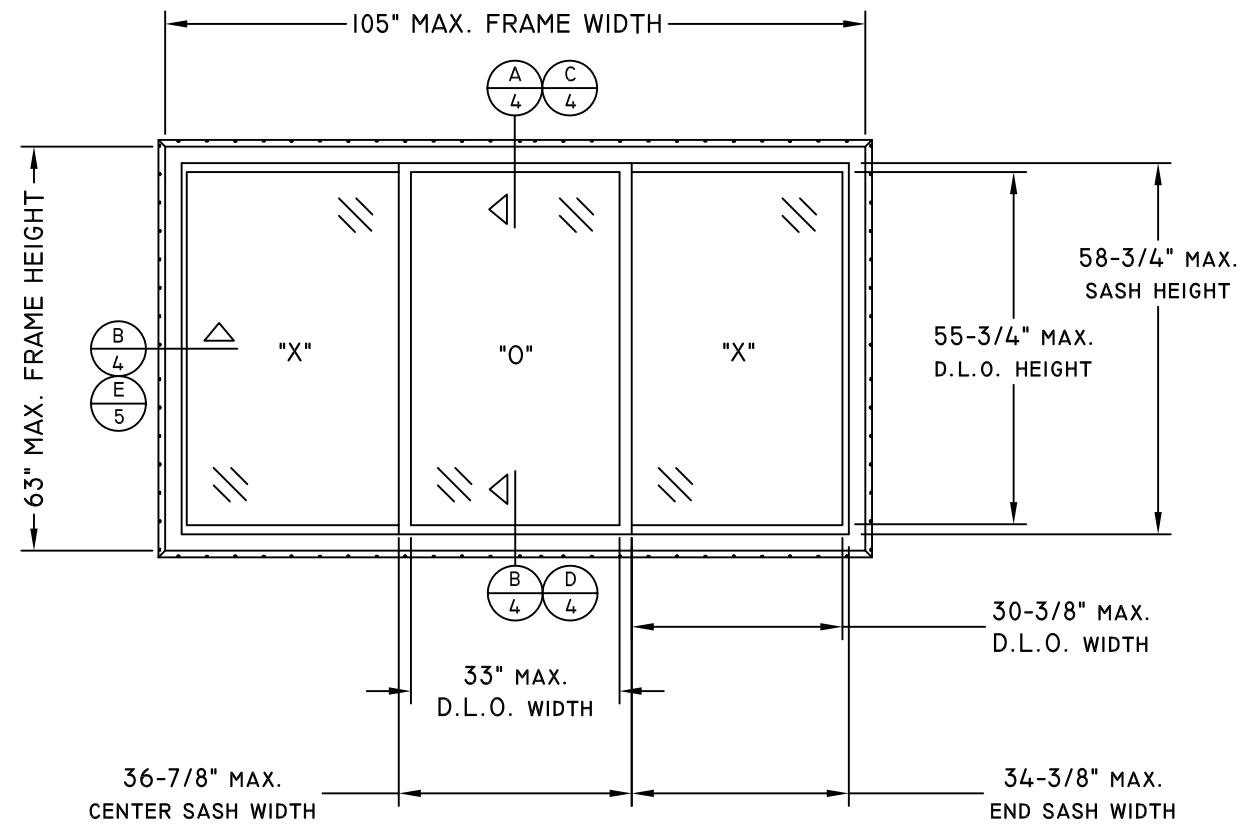


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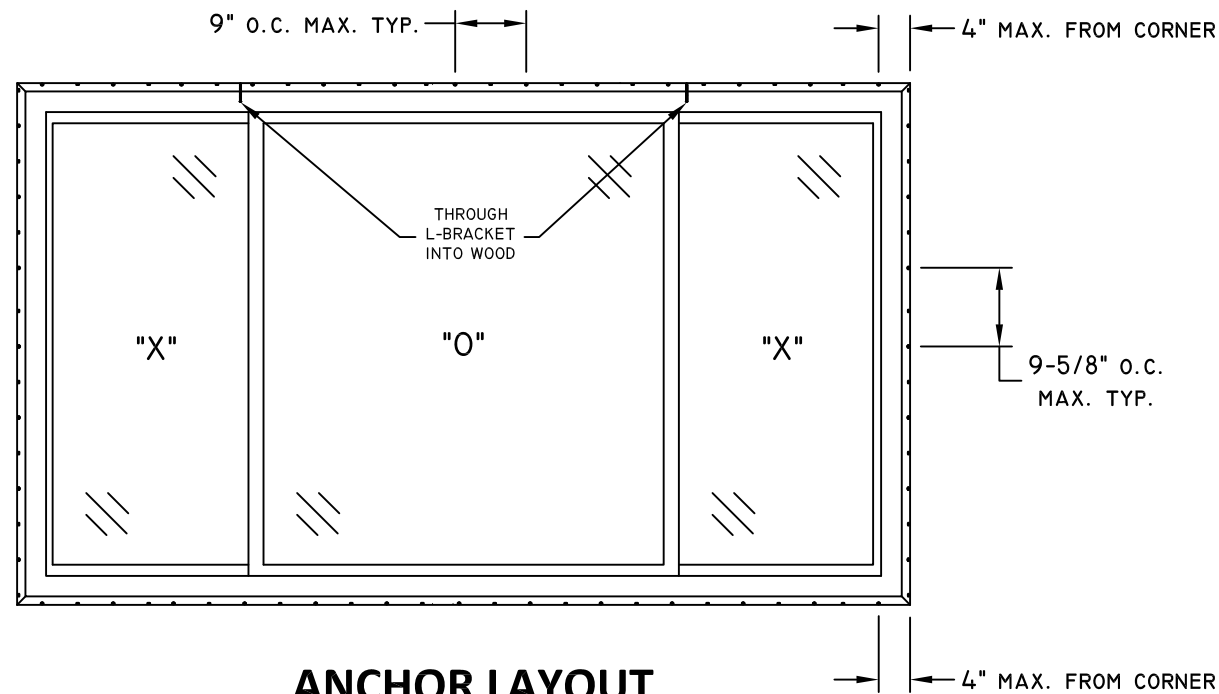
**ELEVATION VIEW**

3-LITE SLIDING WINDOW (1/4-1/2-14)



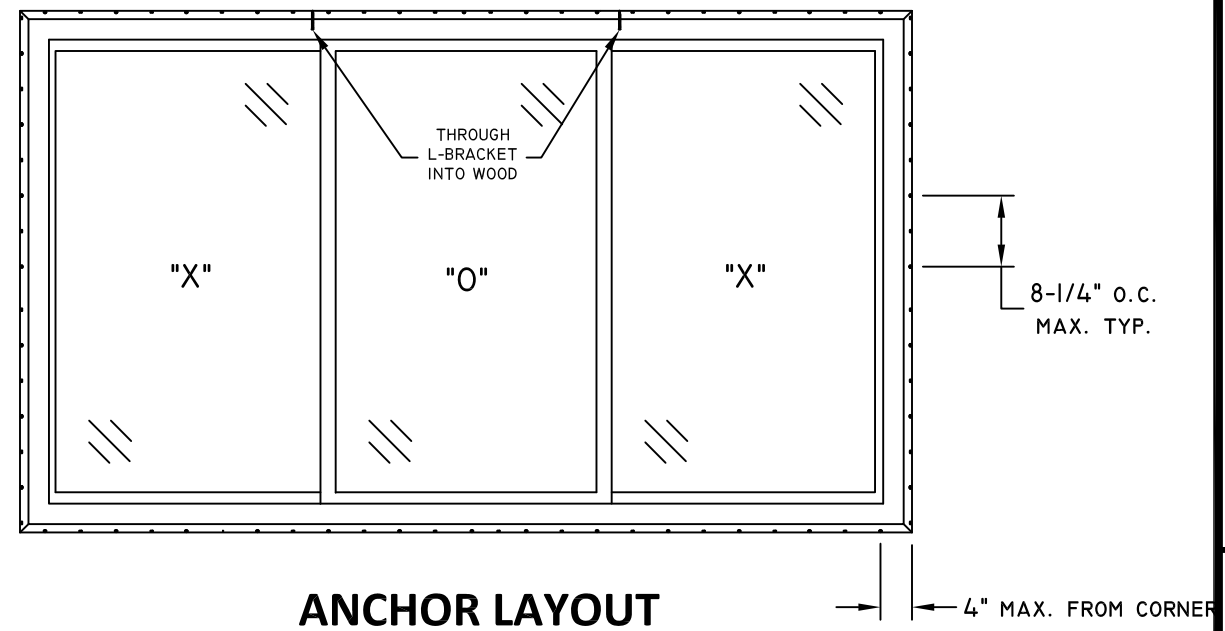
**ELEVATION VIEW**

3-LITE SLIDING WINDOW (EQUAL)



**ANCHOR LAYOUT**

NAIL FIN - (QH)



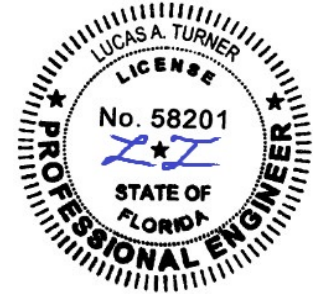
**ANCHOR LAYOUT**

NAIL FIN - (EQUAL)

TITLE: 07-09/07-10/07-20 3-LITE SLIDER W/SAFEPOINT  
 ELEVATIONS AND ANCHOR LAYOUTS

NO.	REVISION DESCRIPTION	BY	DATE

DATE: 07.23.21	DWN BY: LMH	CHK BY:	SCALE: NTS
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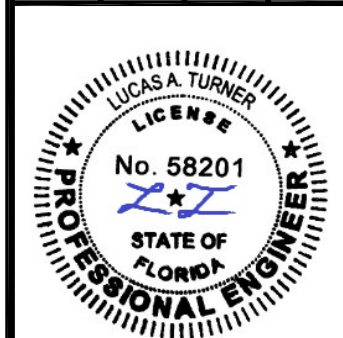
SHEET: **2 OF 5**



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07.23.21	LMH		NTS

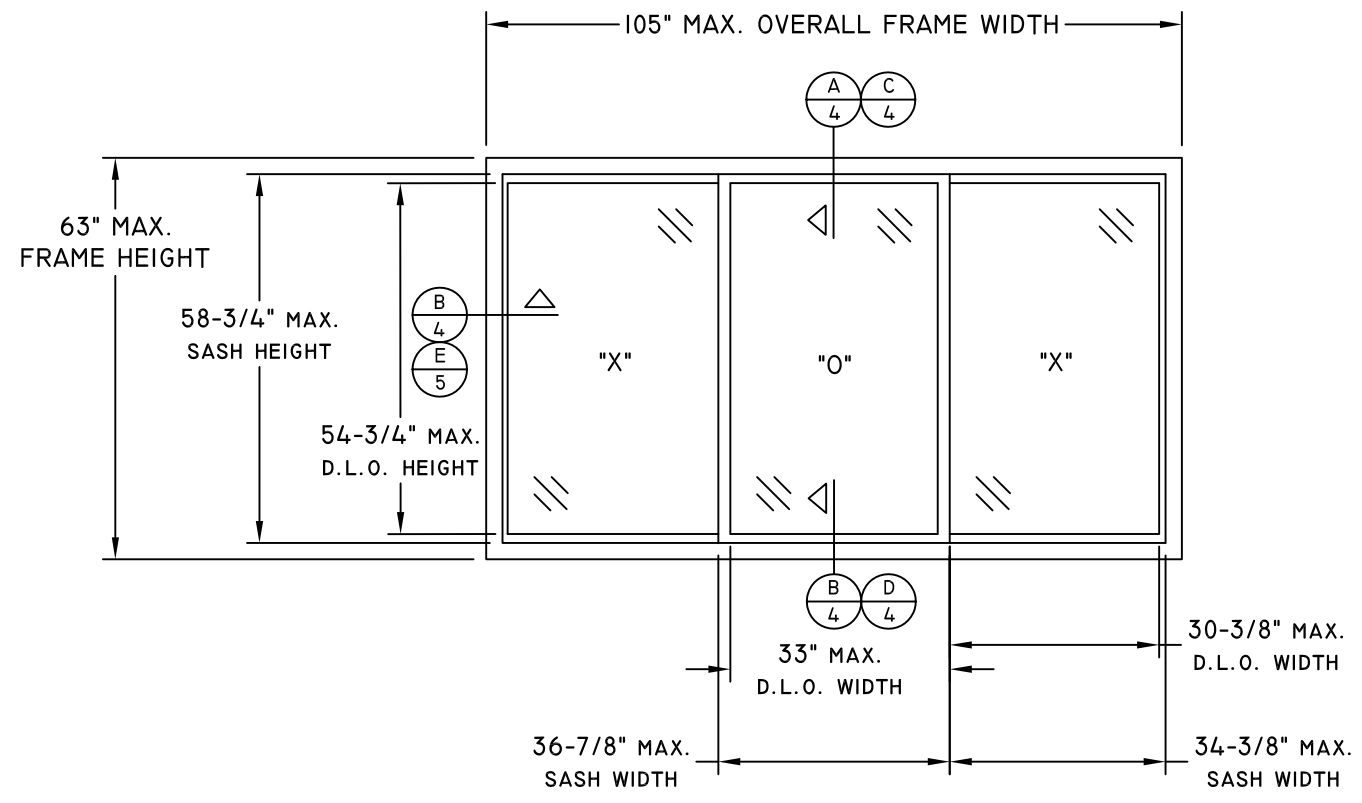


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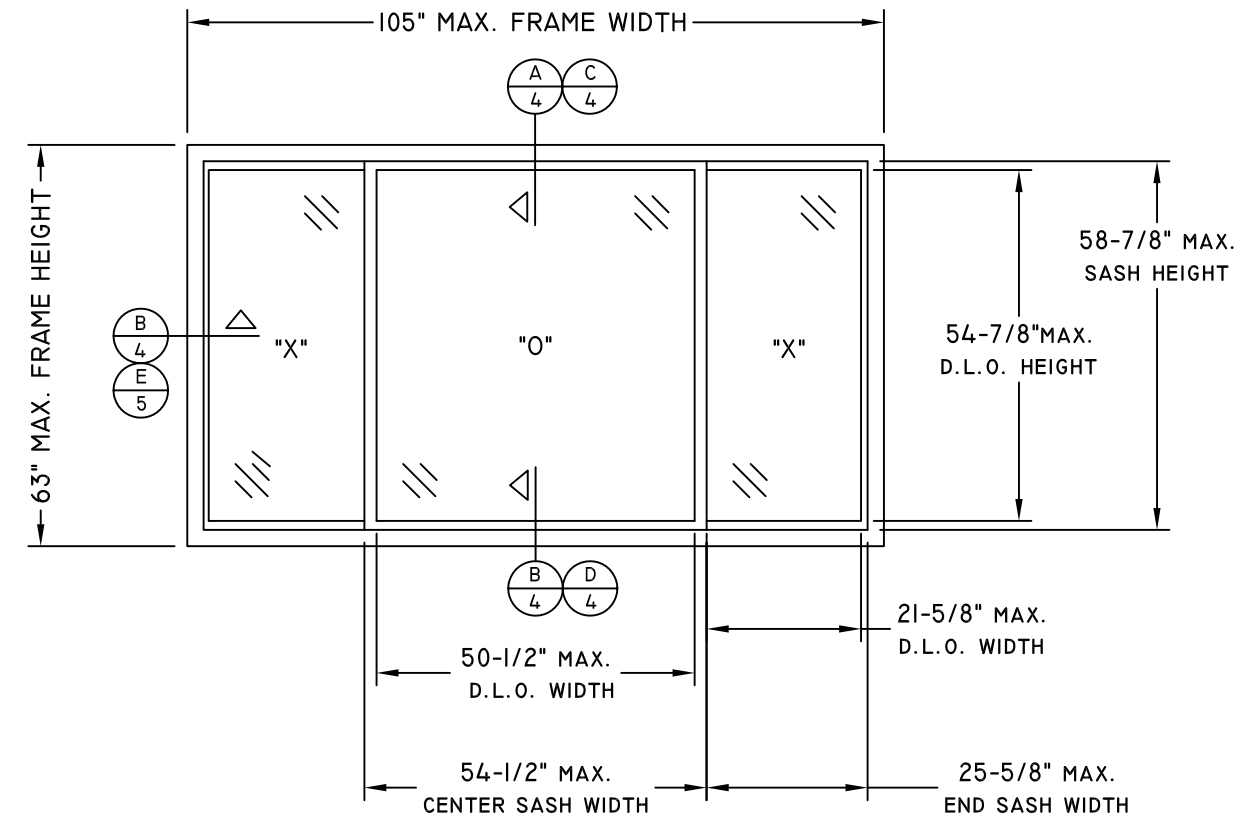
DWG #: **IN0599**

SHEET: **3 OF 5**



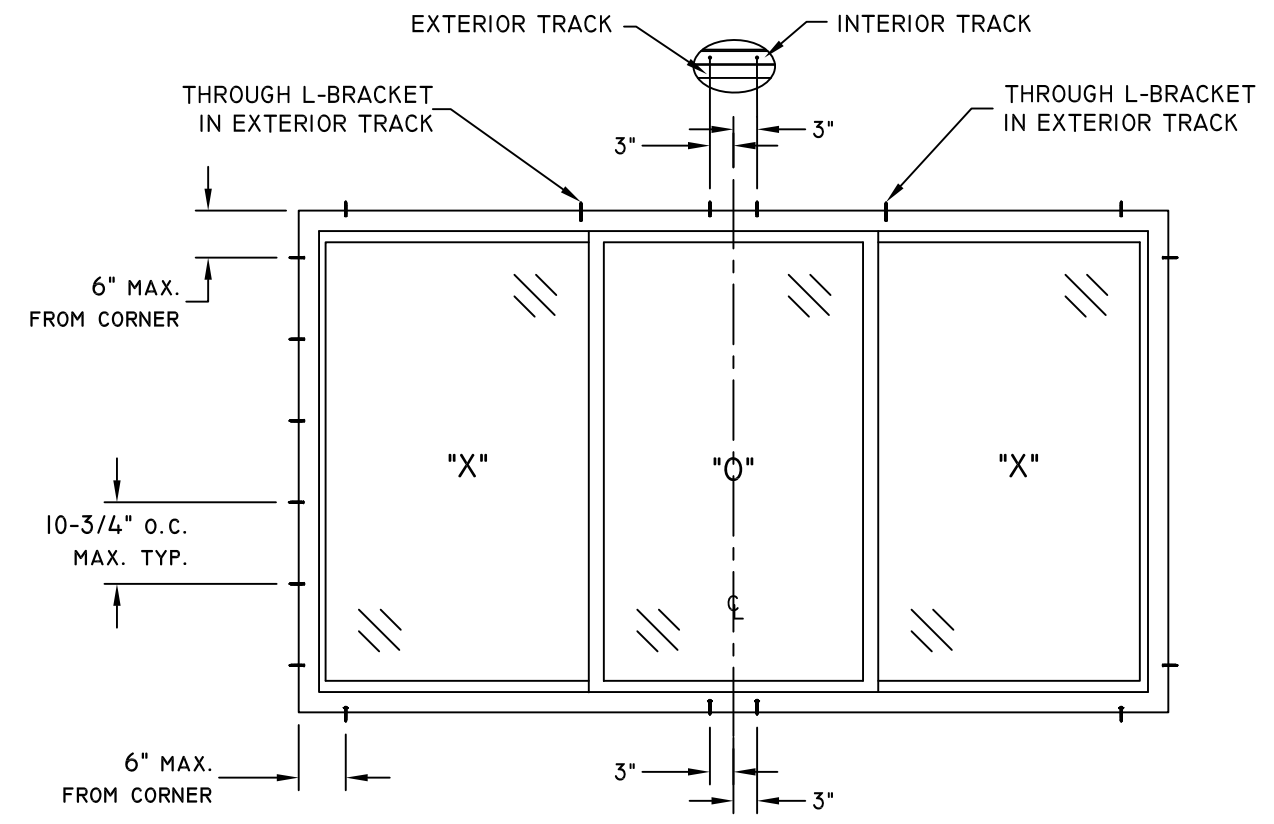
**ELEVATION VIEW**

3-LITE SLIDING WINDOW (EQUAL)



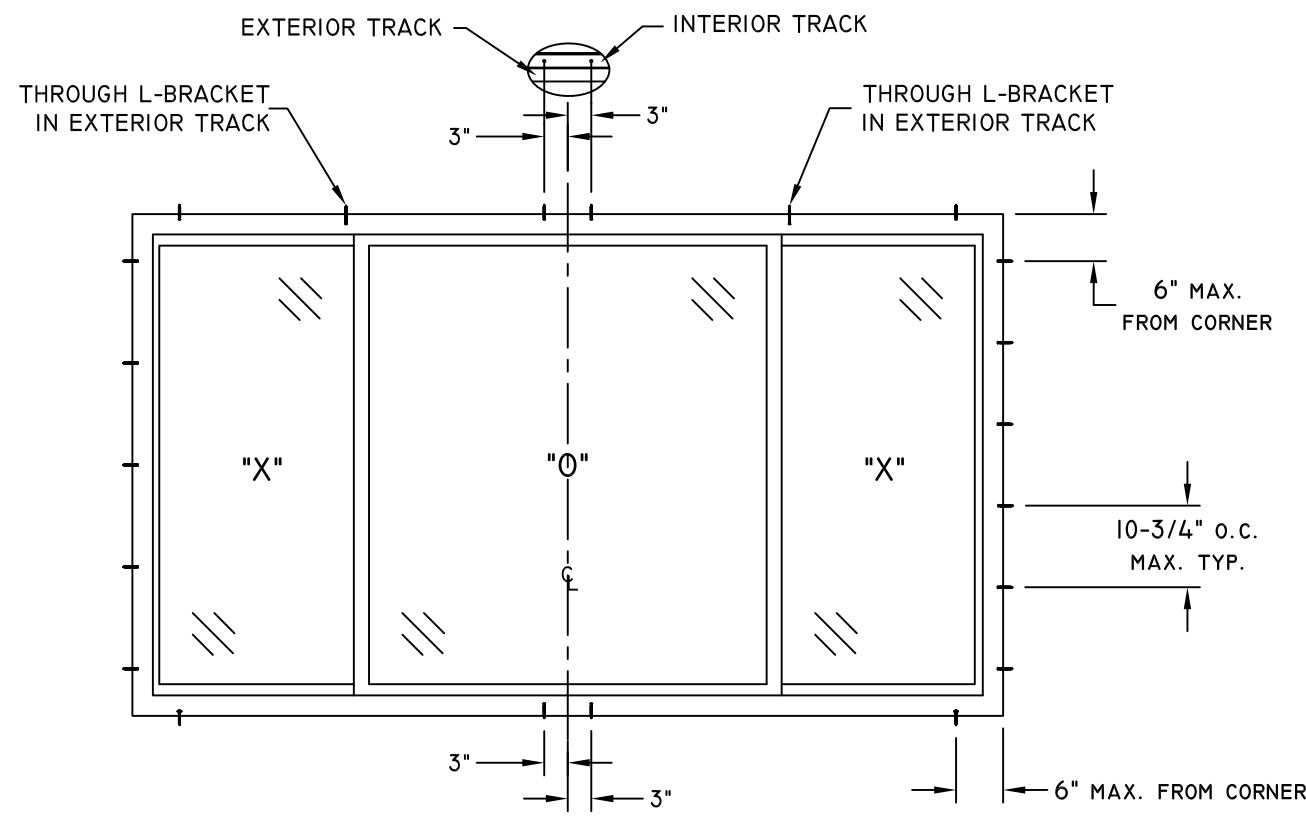
**ELEVATION VIEW**

3-LITE SLIDING WINDOW (1/4-1/2-1/4)



**ANCHOR LAYOUT**

FINLESS - (EQUAL)

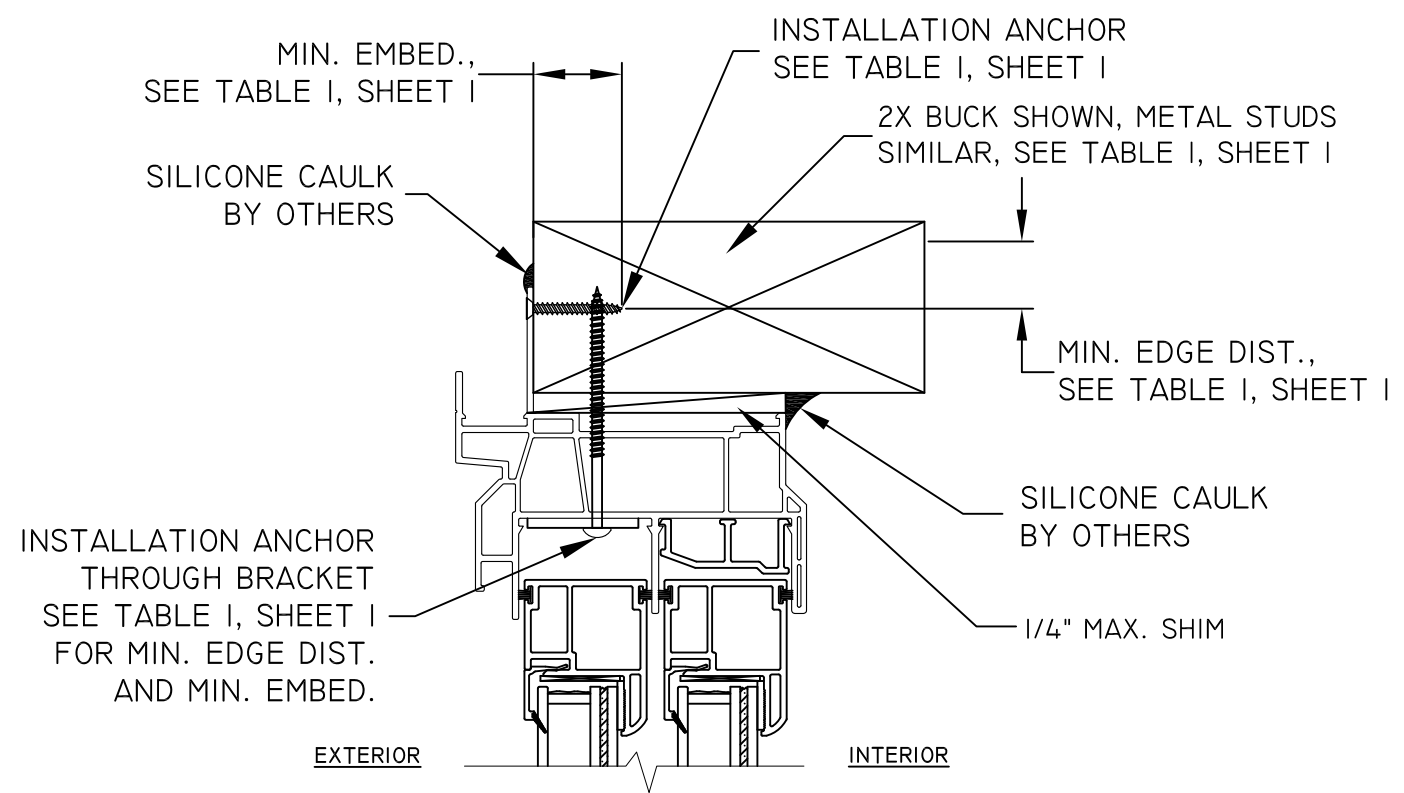


**ANCHOR LAYOUT**

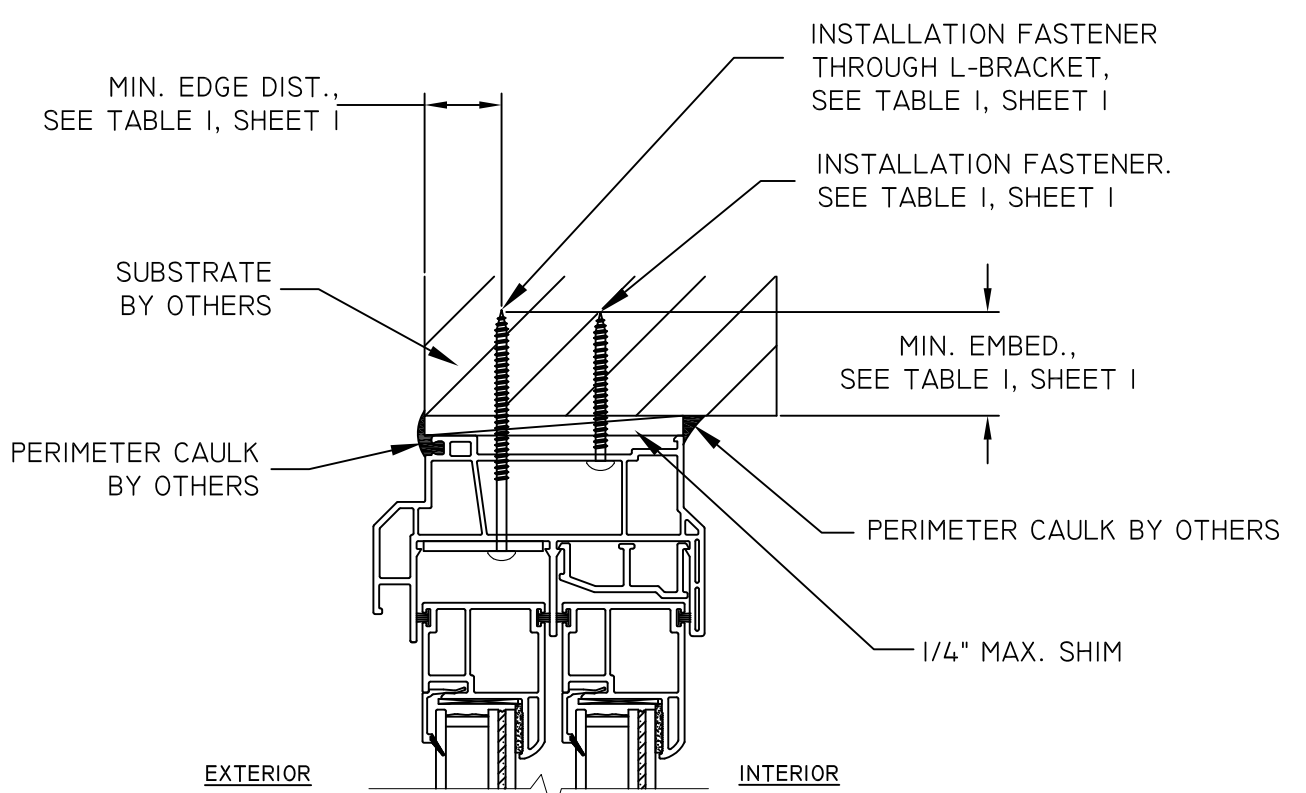
FINLESS- (QHQ)



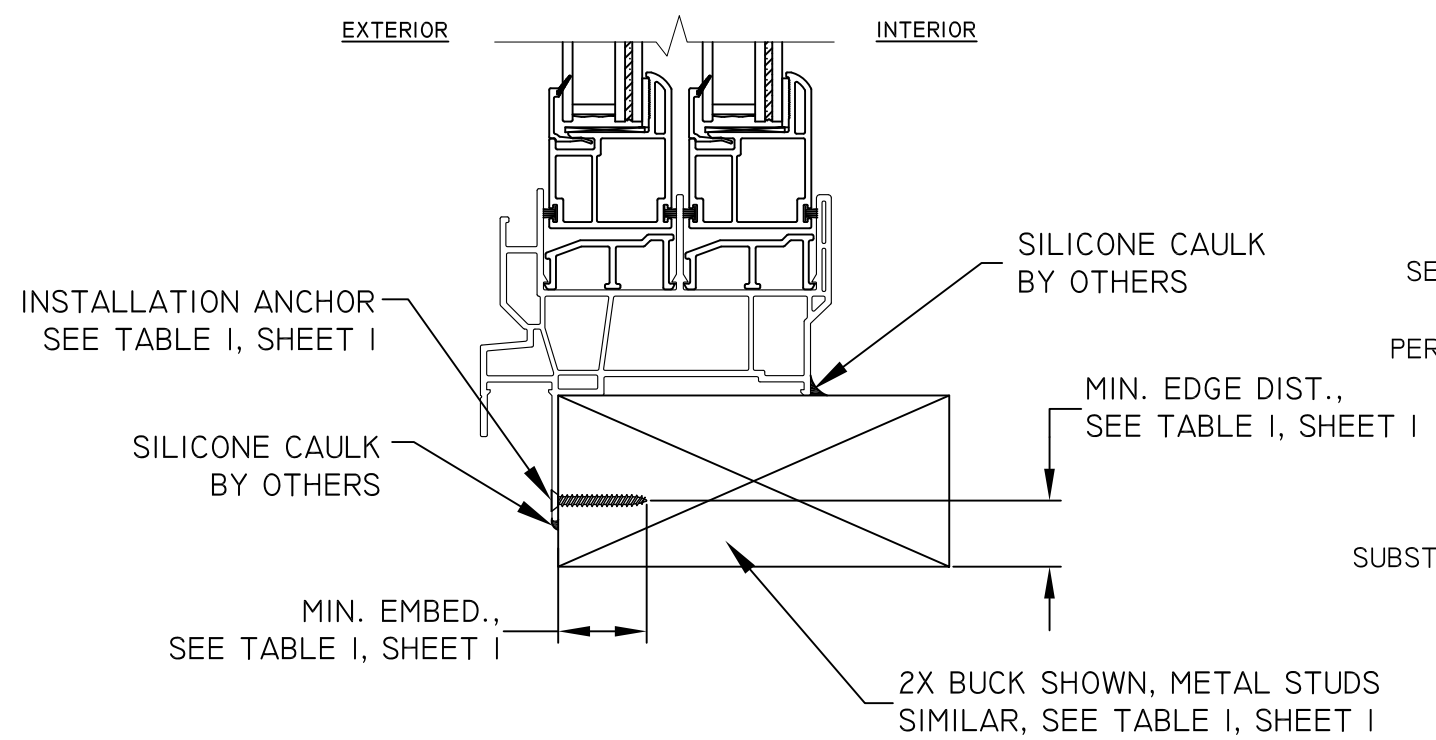
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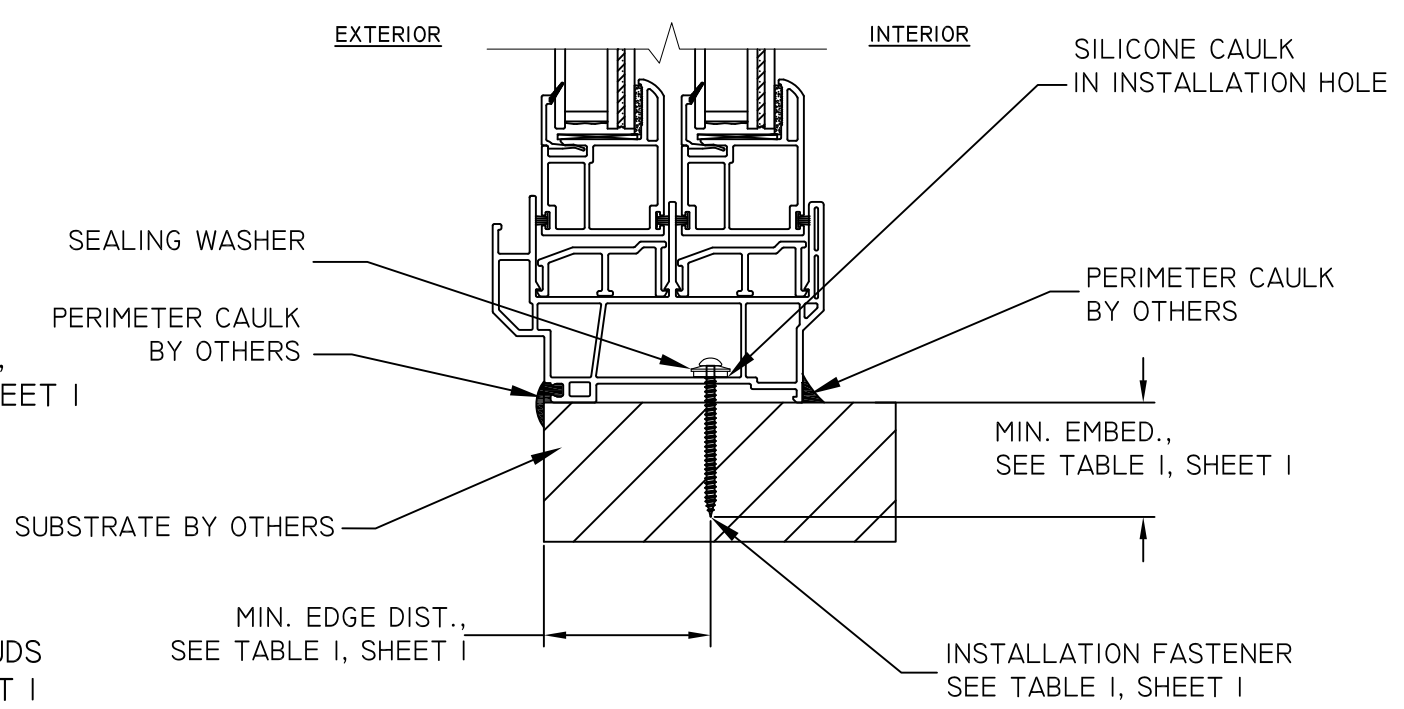
**A**  
**3**  
**VERTICAL SECTION**  
 HEAD AND JAMBS  
 FIN INSTALLATION



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



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

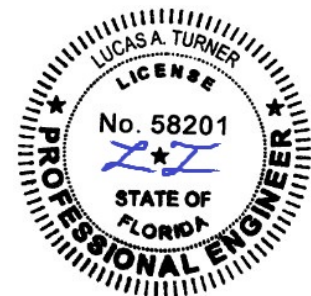


**D**  
**3**  
**VERTICAL SECTION**  
 SILL  
 FINLESS INSTALLATION

TITLE: 07-09/07-10/07-20 3-LITE SLIDER W/SAFEPOINT VERTICAL SECTIONS

NO.	REVISION DESCRIPTION	BY	DATE

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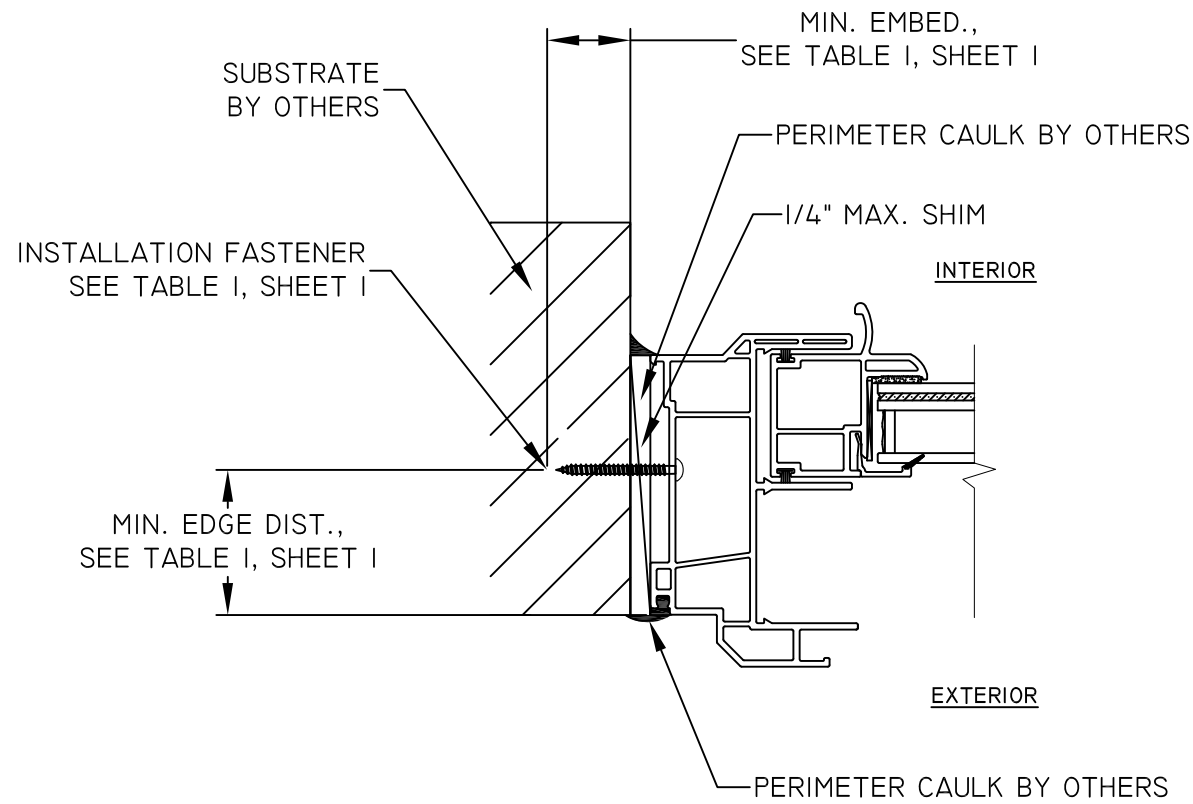


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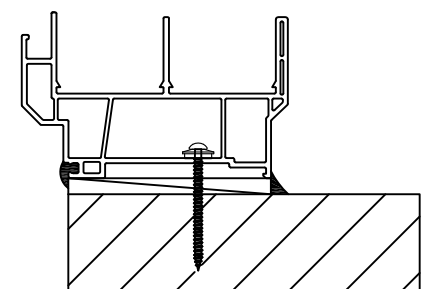
FL#: **39620**

DWG #: **IN0599**

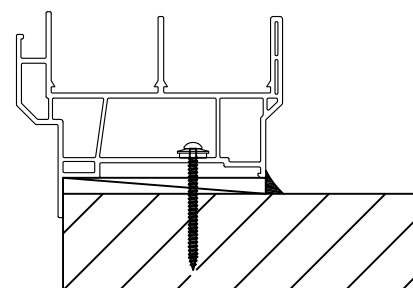
SHEET: **4** OF **5**



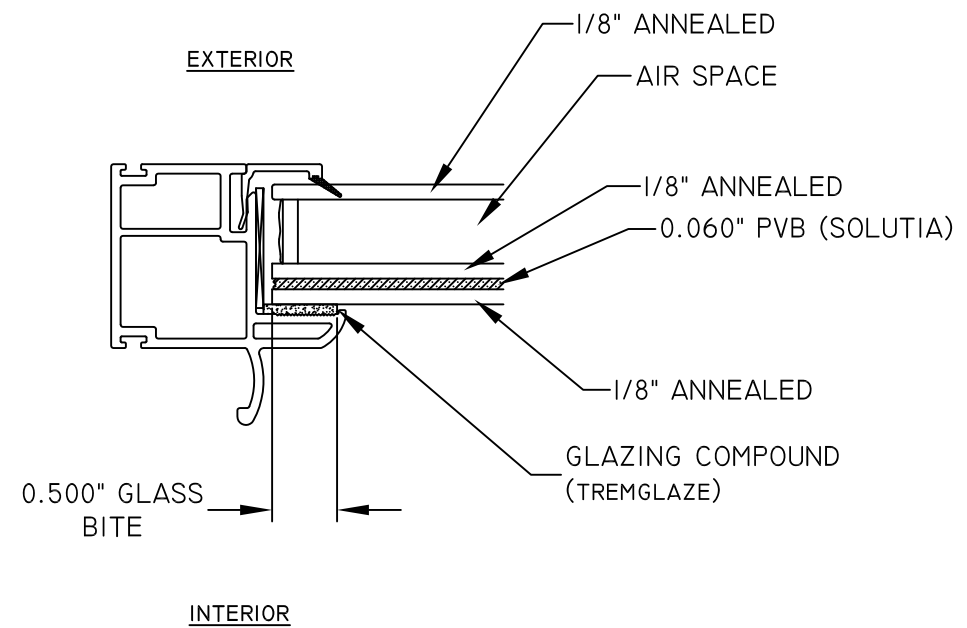
**E**  
**4** HORIZONTAL SECTION  
JAMBS  
FINLESS INSTALLATION



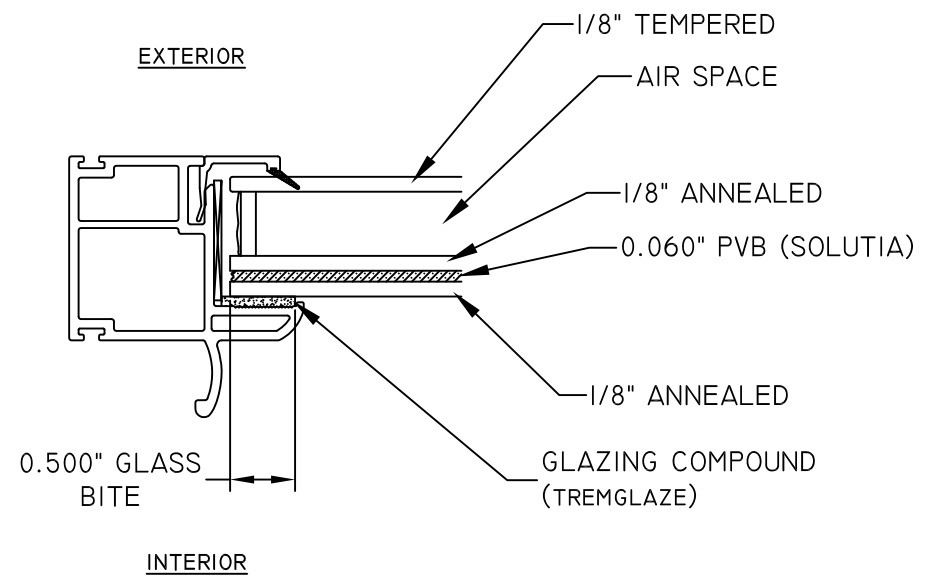
07-09 BLOCK FRAME (FINLESS)  
(FOR ANCHORAGE SEE SHEET 3)



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



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



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



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SHEET: **5 OF 5**

TITLE: 07-09/07-10/07-20 3-LITE SLIDER W/SAFEPOINT HORIZONTAL SECTIONS & GLAZING OPTIONS