SIMONTON WINDOWS - *08-08 / 08-09 / 08-10 / 08-20 AWNING WINDOW w/SAFEPOINT IMPACT - MISSILE C*

NOTES:

1. This installation has been evaluated for use in locations adhering to the requirements of the 2018 International Residential Code AND 2018 International Building Code.
2. 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).
3. All interior and exterior perimeter surfaces of the window must be caulked.
4. Anchor type, size, spacing, and embedment shall be as specified in these drawings. Use appropriate anchorage from table 1 according to substrate type. A minimum center-to-center spacing of 3" shall be maintained between all installation fasteners in any direction. (Exception hardware anchors)
5. Anchor embedment to substrate shall be beyond wall dressing or stucco. For masonry openings with wood bucks less thean 1-1/2" thick, embedment shall be beyond wood bucks. For concrete/CMU openings embedment shall be beyond wood bucks, if used, and into substrate. Wood bucks with masonry are optional.
6. All screws shall have mod. truss head, pan head, flat head or integrated or separate washers, with .042" min. head or washer diameter.
7. 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).
8. 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.
9. Max. shims 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.
10. 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.
11. Glazing shall comply with ASTM E 1300.
12. A wind load duration factor Cd = 1.6 was used for the analysis of wood screws only.
13. 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.
14. Windows shall be constructed as specified in test reports B2264.01-501-47 by Architectural Testing, Inc and 110-24281-1 by National Certified Testing Laboratories.
15. Designation "X" is for Operable Panel and "O" is for Fixed Panel.
16. 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				
08-08 | 08-09 | 08/10 | 08-20	50"	36"	R-PG40	+40/-40 PSF	NAIL FIN	MISSILE C WIND ZONE 2
08-08 | 08-09 | 08/10 | 08-20	50"	36"	R-PG40	+40/-40 PSF	THROUGH FRAME	

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Lucas Turner
2022.01.20
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-06'00'

TABLE 1: INSTALLATION FASTENERS TABLE

ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED.	MIN. EDGE DISTANCE
		FIN INSTALLATION		
A	2X MIN. SPRUCE-PIN-FIR PINE WOOD (G=0.42)	MAIN FRAME: 10D ROOFING NAIL HARDWARE: #8 WOOD SCREW	2"	7/8"
B	2X MIN. SPRUCE-PIN-FIR PINE WOOD (G=0.42)	MAIN FRAME: #8 WOOD SCREW HARDWARE: #8 WOOD SCREW	1-1/2"	3/8"
C	16 GAUGE (0.060"), STEEL 36 KSI MIN. OR 1/8" ALUM. 6063-T5 MIN.	MAIN FRAME: #10 GRADE 5 SELF-TAPPING/DRILLING SCREW HAREWARE: #8 GRADE 5 SELF-TAPPING/DRILLING SCREW	FULL, PLUS 3 THREADS MIN.	3/8"
		FRAME INSTALLATION		
D	CONCRETE (3.05 KSI MIN.)	MAIN FRAME OR HARDWARE: 3/16" ELCO ULTRACON OR DEWALT ULTRACON+	1-3/4"	1-1/8"
E	HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	MAIN FRAME OR HARDWARE: 3/16" ELCO ULTRACON OR DEWALT ULTRACON+	1-1/4"	2-1/2"
F	2X MIN. SPRUCE-PIN-FIR PINE WOOD (G=0.42)	MAIN FRAME: #8 WOOD SCREW HARDWARE: #8 WOOD SCREW	1-3/8"	7/8"
G	16 GAUGE (0.060"), STEEL 36 KSI MIN. OR 1/8" ALUM. 6063-T5 MIN.	MAIN FRAME: #10 GRADE 5 SELF-TAPPING/DRILLING SCREW HAREWARE: #8 GRADE 5 SELF-TAPPING/DRILLING SCREW	FULL, PLUS 3 THREADS MIN.	1/2"

PlyGem SIMONTON WINDOWS & DOORS
1 COCHRANE AVENUE
PENNSBORO, WV 26415
PH: 800-542-9118

NO.	REVISION DESCRIPTION	BY	DATE

TITLE: 08-08/08-09/08-10/08-20 AWNING W/SAFEPOINT NOTES, DESIGN PRESSURE & INSTALLATION FASTENER TABLES

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

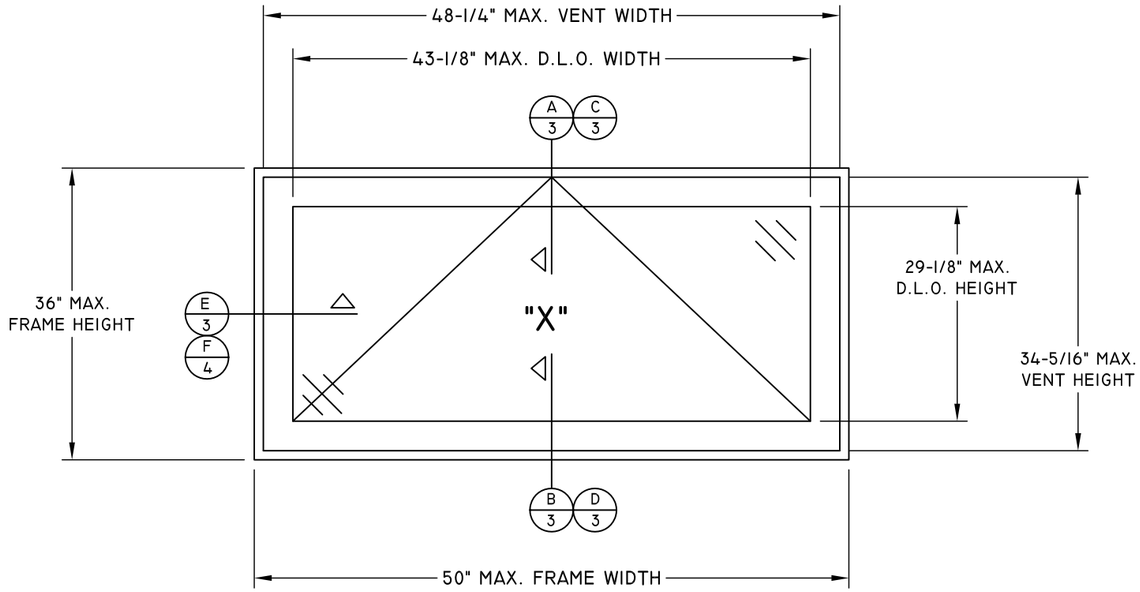
STATE OF TEXAS
LUCAS A. TURNER
115094
LICENSED
PROFESSIONAL ENGINEER

8/30/2021
LUCAS A. TURNER, P.E.
TX PE # 115094
TURNER ENGINEERING & CONSULTING, INC.
(TBPE REG. # F-18075)
2428 OLD NATCHEZ TRACE TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

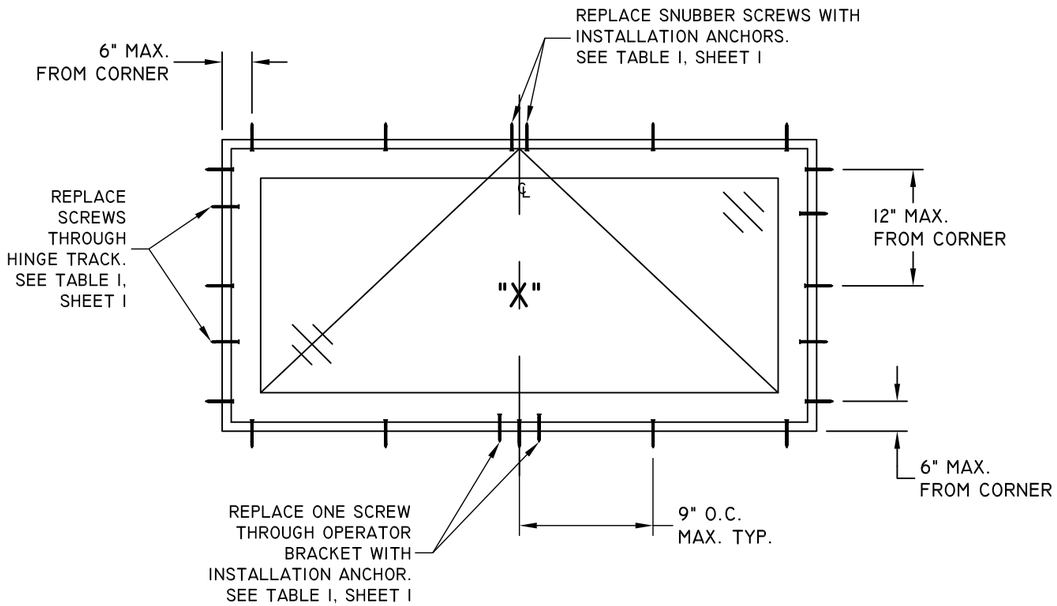
TDI#: .

DWG #: IN0592TX

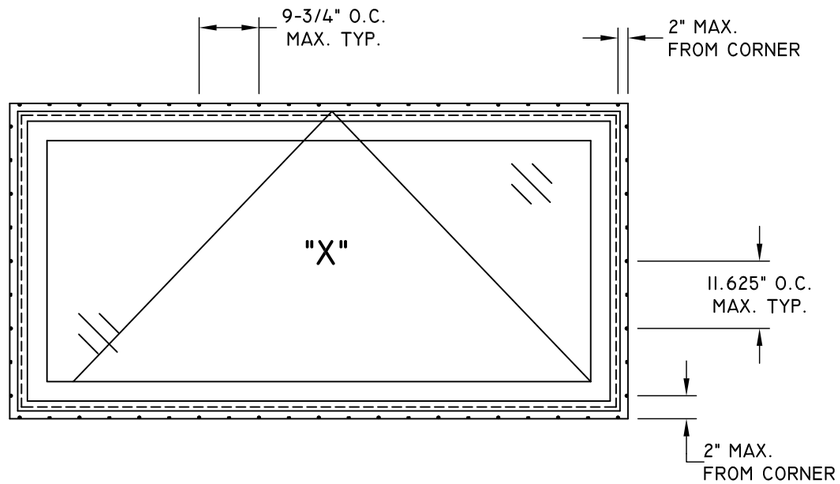
SHEET 1-TX OF 4



ELEVATION VIEW



ANCHOR LAYOUT
FINLESS



ANCHOR LAYOUT
FIN

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TITLE: 08-08/08-09/08-10/08-20 AWNING W/SAFEPOINT ELEVATIONS AND ANCHOR LAYOUTS

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

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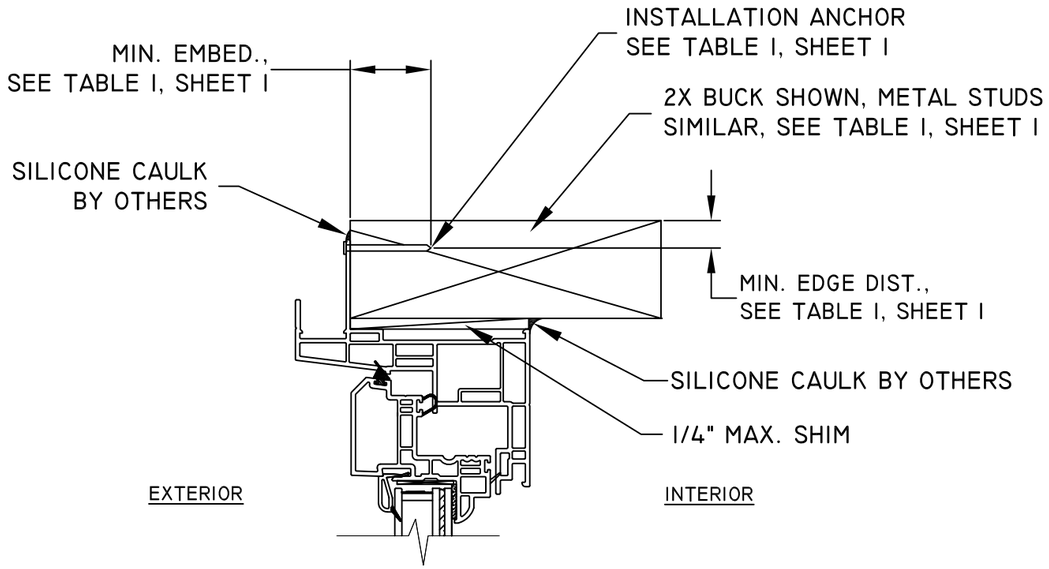
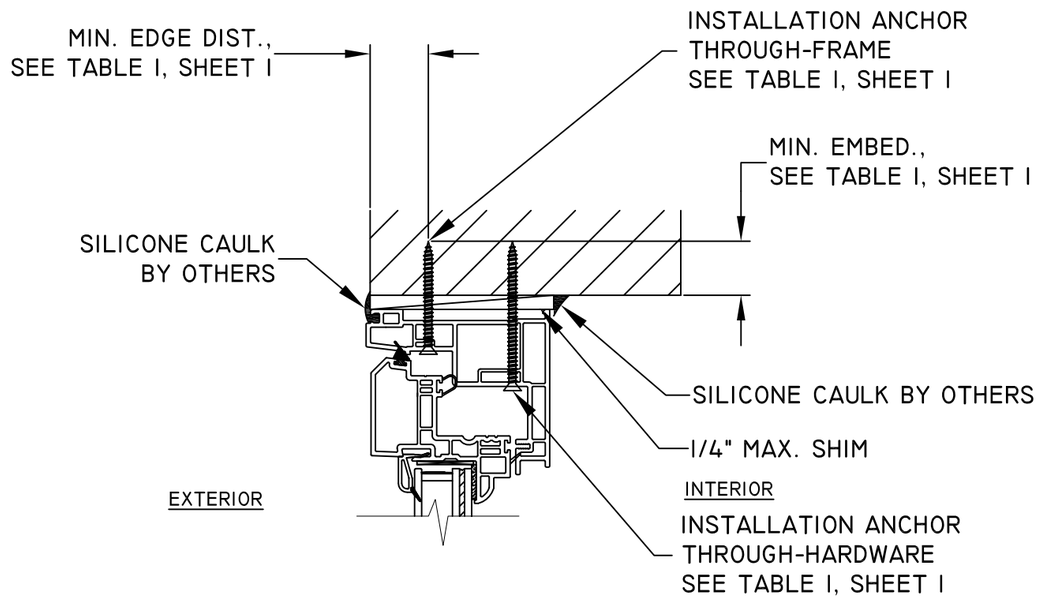
DWG #: IN0592

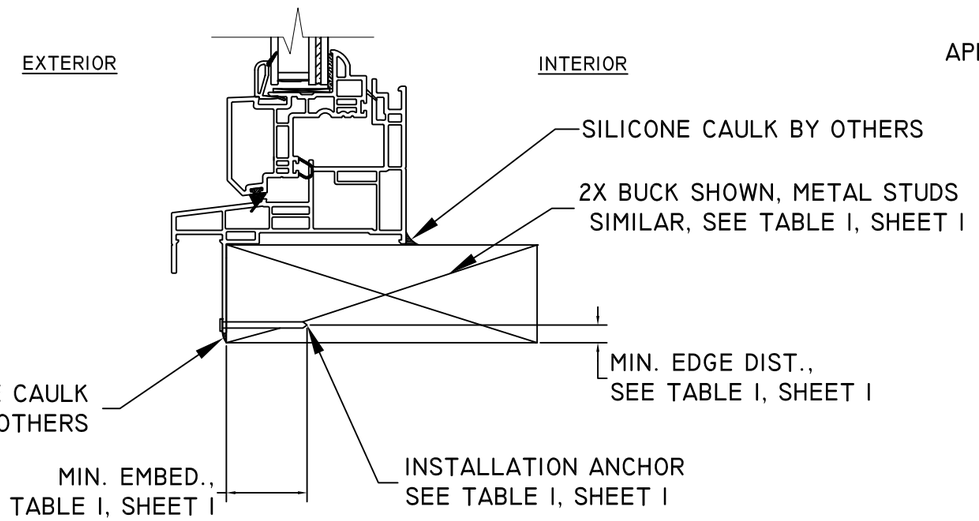
SHEET: 2 OF 4



A/3 VERTICAL SECTION
HEAD
FIN INSTALLATION



C/3 VERTICAL SECTION
HEAD
FINLESS INSTALLATION



B/3 VERTICAL SECTION
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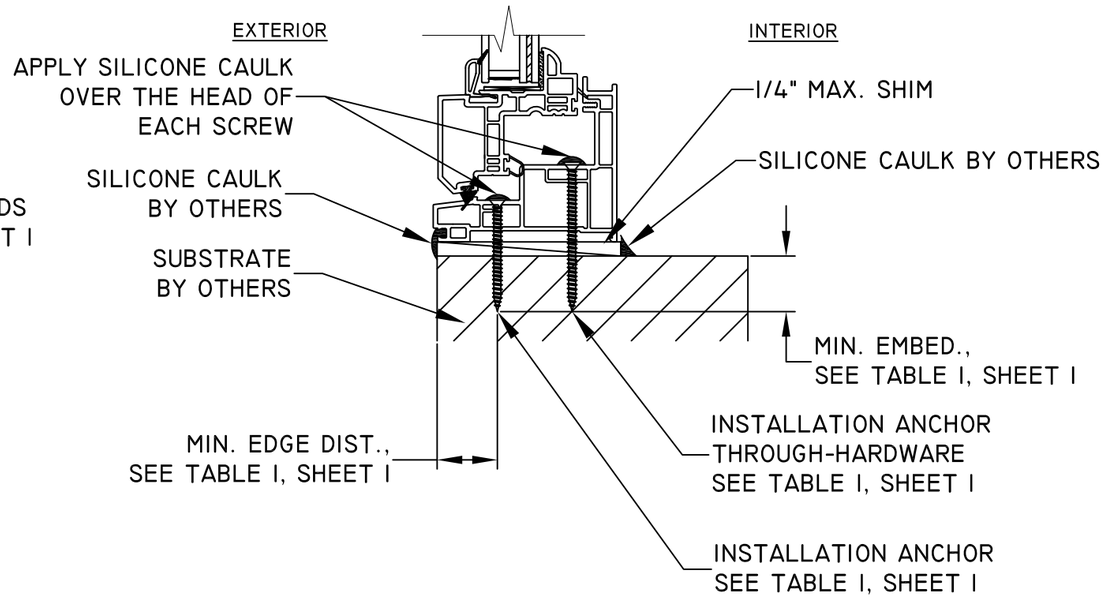
FIN INSTALLATION



D/3 VERTICAL SECTION
SILL
FINLESS INSTALLATION

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NO.	REVISION DESCRIPTION	BY	DATE

TITLE: 08-08/08-09/08-10/08-20 AWNING W/SAFEPOINT VERTICAL SECTIONS

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

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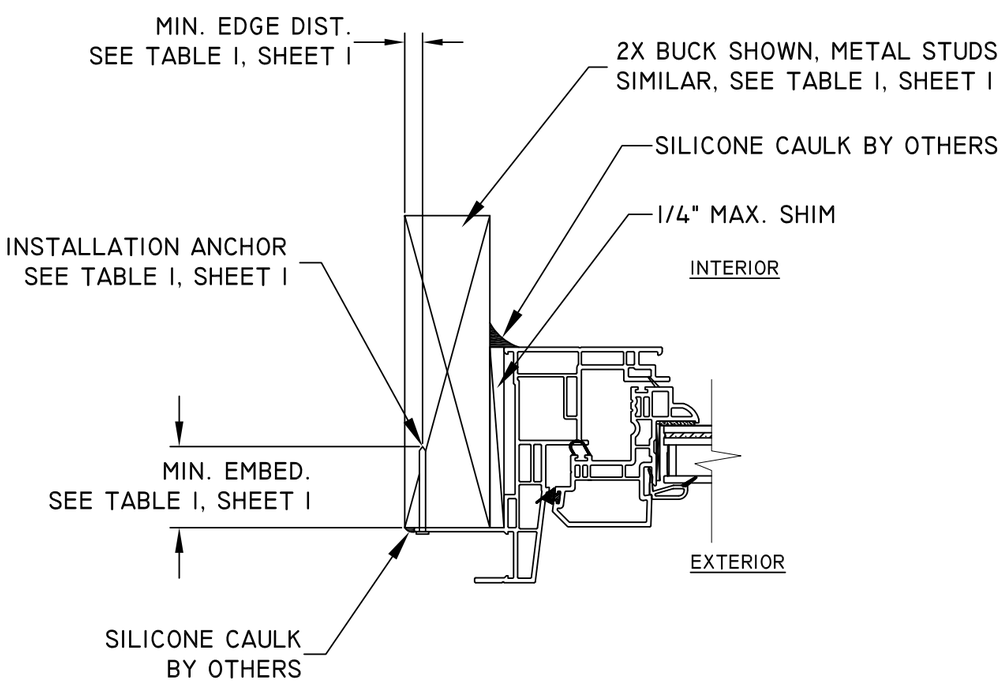
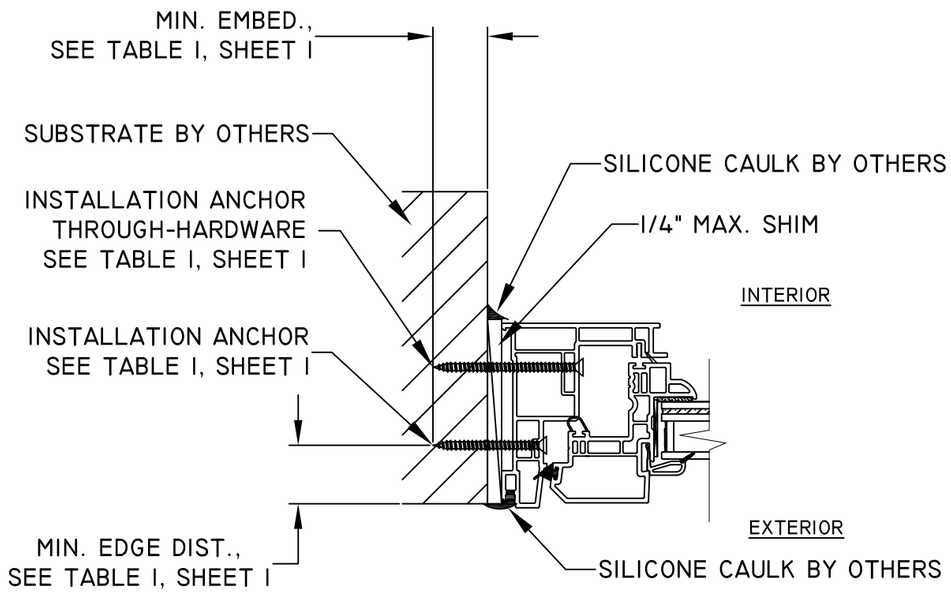
DWG #: IN0592

SHEET: 3 OF 4



E/4 HORIZONTAL SECTION

JAMB
FIN INSTALLATION



F/4 HORIZONTAL SECTION

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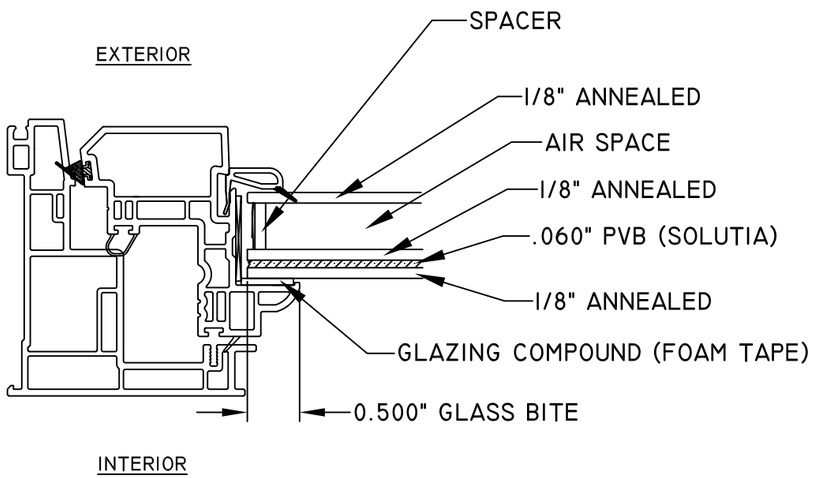
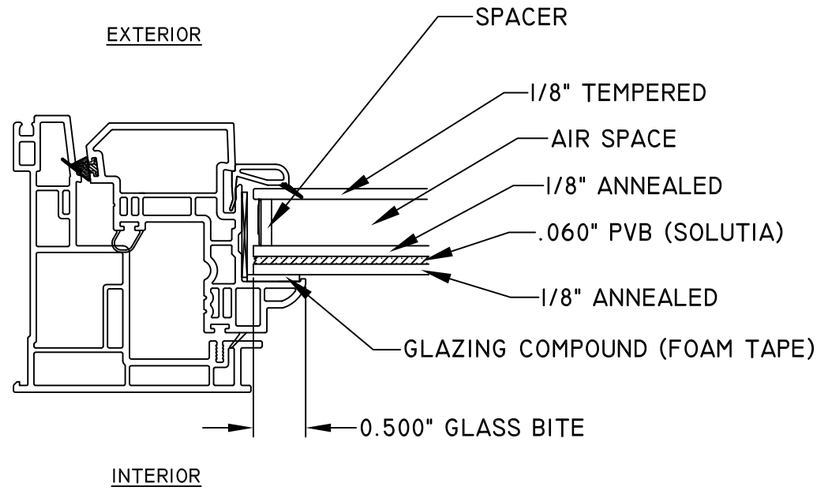


1" INSULATED ANNEALED IMPACT GLASS
WITH 0.060" PVB INTERLAYER



1" INSULATED TEMPERED/ANNEALED IMPACT GLASS
WITH 0.060" PVB INTERLAYER (OPTIONAL)

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NO.	REVISION DESCRIPTION	BY	DATE

TITLE: 08-08/08-09/08-10/08-20 AWNING W/SAFEPOINT HORIZONTAL SECTIONS & GLAZING OPTIONS

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

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SHEET: 4 OF 4