

# SIMONTON WINDOWS - 07-09 / 07-10 / 07-20 DOUBLE HUNG WINDOW w/SAFEPOINT IMPACT - MISSILE C



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

## NOTES:

- THIS INSTALLATION HAS BEEN EVALUATED FOR USE IN LOCATIONS ADHERING TO THE REQUIREMENTS OF THE 2018 INTERNATIONAL RESIDENTIAL CODE AND 2018 INTERNATIONAL BUILDING CODE.
- 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.
- 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. 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.
- 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 A6989.01-501-47-R0 BY ARCHITECTURAL TESTING, INC. AND I10-24290-I-R0 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  $3/8"$ .

PRODUCT MODEL	OVERALL SIZE		PERFORMANCE RATING	DESIGN PRESSURE	INSTALLATION METHOD	MISSILE IMPACT RATING
	WIDTH	HEIGHT				
07-09   07-10   07-20	52.5"	75"	R-PG40	+40/-40 PSF	NAIL FIN	MISSILE C WIND ZONE 2
07-09   07-10   07-20	52.5"	75"	R-PG40	+40/-40 PSF	THROUGH FRAME	

SECTION	SHEET DESCRIPTION
1	NOTES, DESIGN PRESSURE & INSTALLATION FASTENER TABLES
2	ELEVATION & ANCHOR LAYOUTS
3	VERTICAL SECTIONS
4	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	CONCRETE (2 KSI MIN.)	3/16" ITW TAPCON w/ADVANCED THREADFORM TECHNOLOGY	1-1/2"	1-1/8"
D	HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	3/16" ITW TAPCON w/ADVANCED THREADFORM TECHNOLOGY	1"	2"
E	2X MIN. SOUTHERN PINE WOOD (G=0.55)	3/16" ITW TAPCON w/ADVANCED THREADFORM TECHNOLOGY	1-3/8"	7/8"
F	2X MIN. SOUTHERN PINE WOOD (G=0.55)	3/16" ELCO ULTRACON or DEWALT ULTRACON+	1-3/4"	1-1/8"
G	CONCRETE (3.05 KSI MIN.)	3/16" ELCO ULTRACON or DEWALT ULTRACON+	1-3/4"	1-1/8"
H	HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	3/16" ELCO ULTRACON or DEWALT ULTRACON+	1-1/4"	2-1/2"
I	2X MIN. SOUTHERN PINE WOOD (G=0.55)	#10 GRADE 5 WOOD SCREW	1-3/8"	7/8"
J	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	DATE	
		BY	

DATE: 08.20.21  
DWN BY: LMH  
CHK BY:  
SCALE: NTS



8/31/2021  
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#:

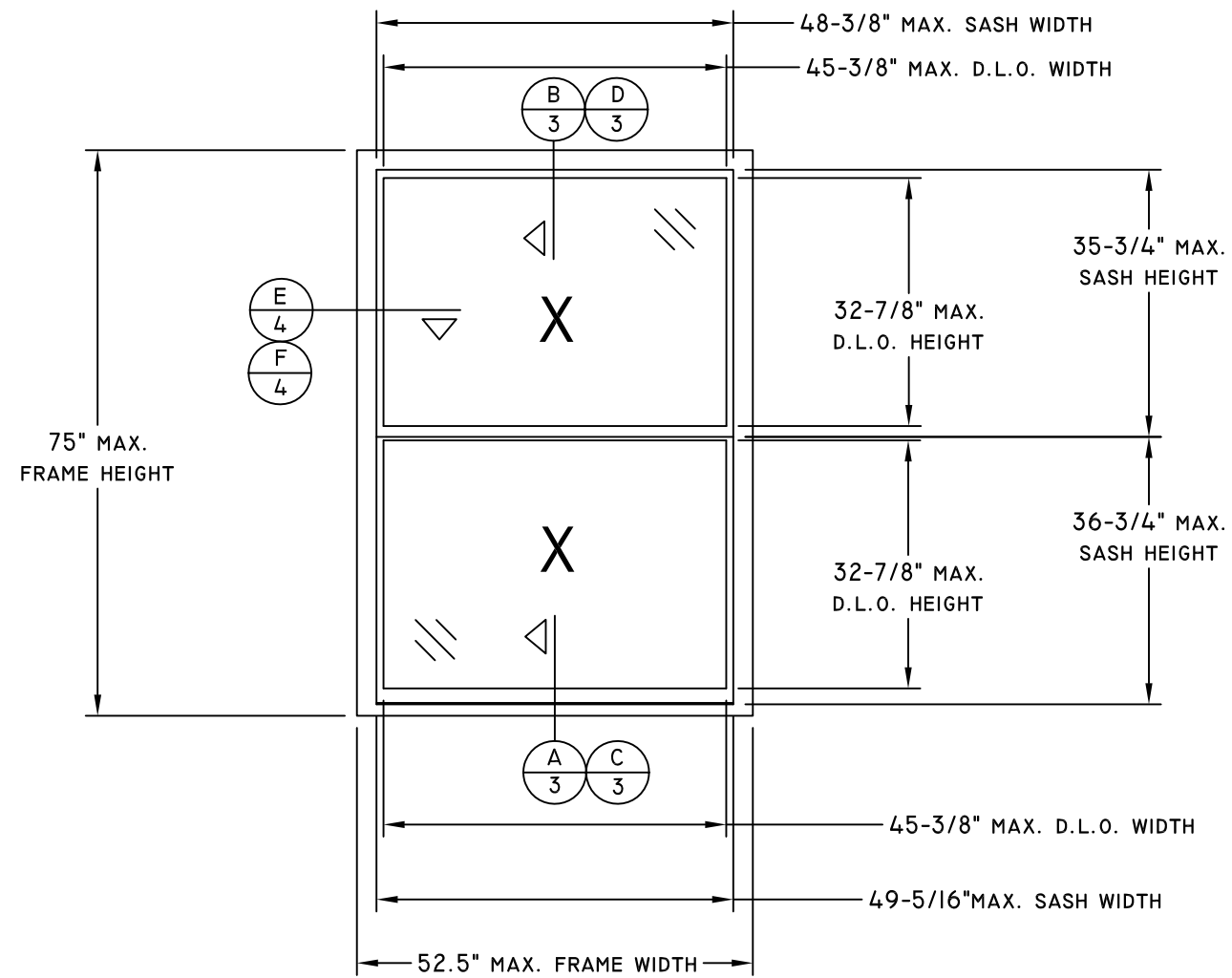
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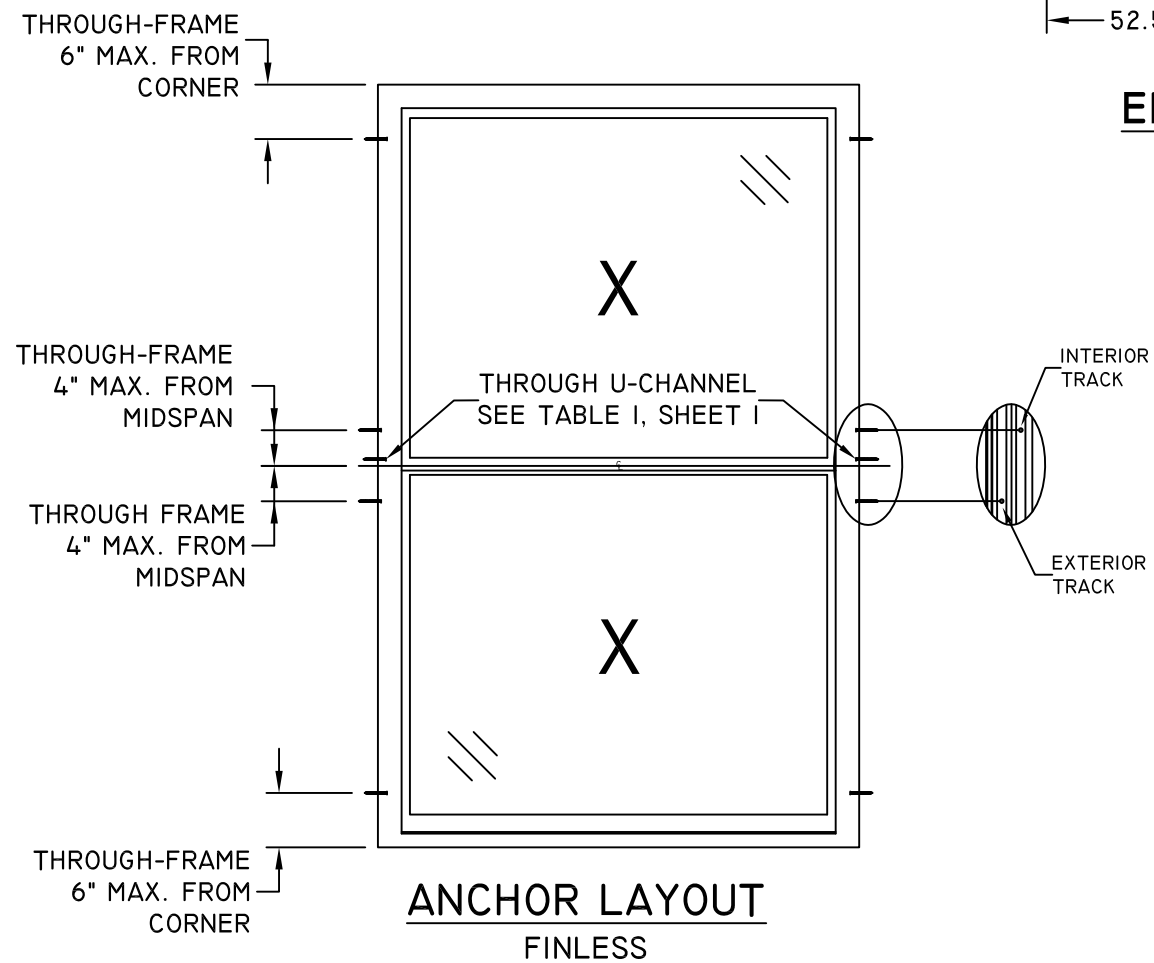
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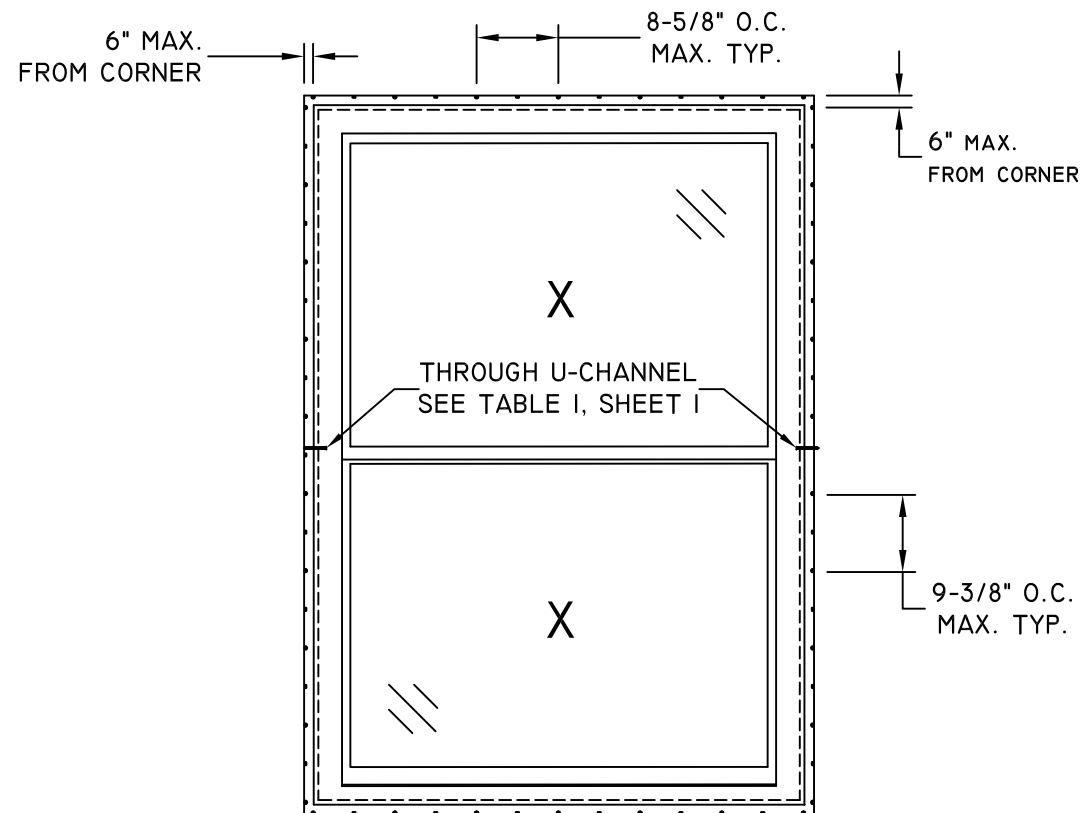
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**ELEVATION VIEW**



**ANCHOR LAYOUT  
 FINLESS**



**ANCHOR LAYOUT  
 FIN**

TITLE: 07-09/07-10/07-20 Double Hung w/SafePoint  
 ELEVATIONS AND ANCHOR LAYOUTS

NO.	REVISION DESCRIPTION	BY	DATE	

DATE: 08.20.21	DWN BY: LMH	CHK BY:	SCALE: NTS
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TDI#:

DWG #:  
**IN0598**

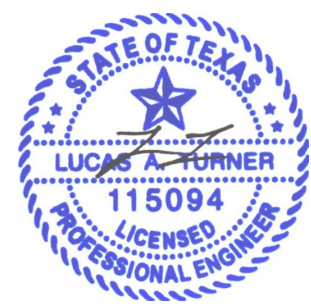
SHEET: **2** OF **4**



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TITLE: 07-09/07-10/07-20 DOUBLE HUNG W/SAFEPOINT VERTICAL SECTIONS	DATE			
	BY			
	REVISION DESCRIPTION			
	NO.			

DATE:	DWN BY:	CHK BY:	SCALE:
08.20.21	LMH		NTS

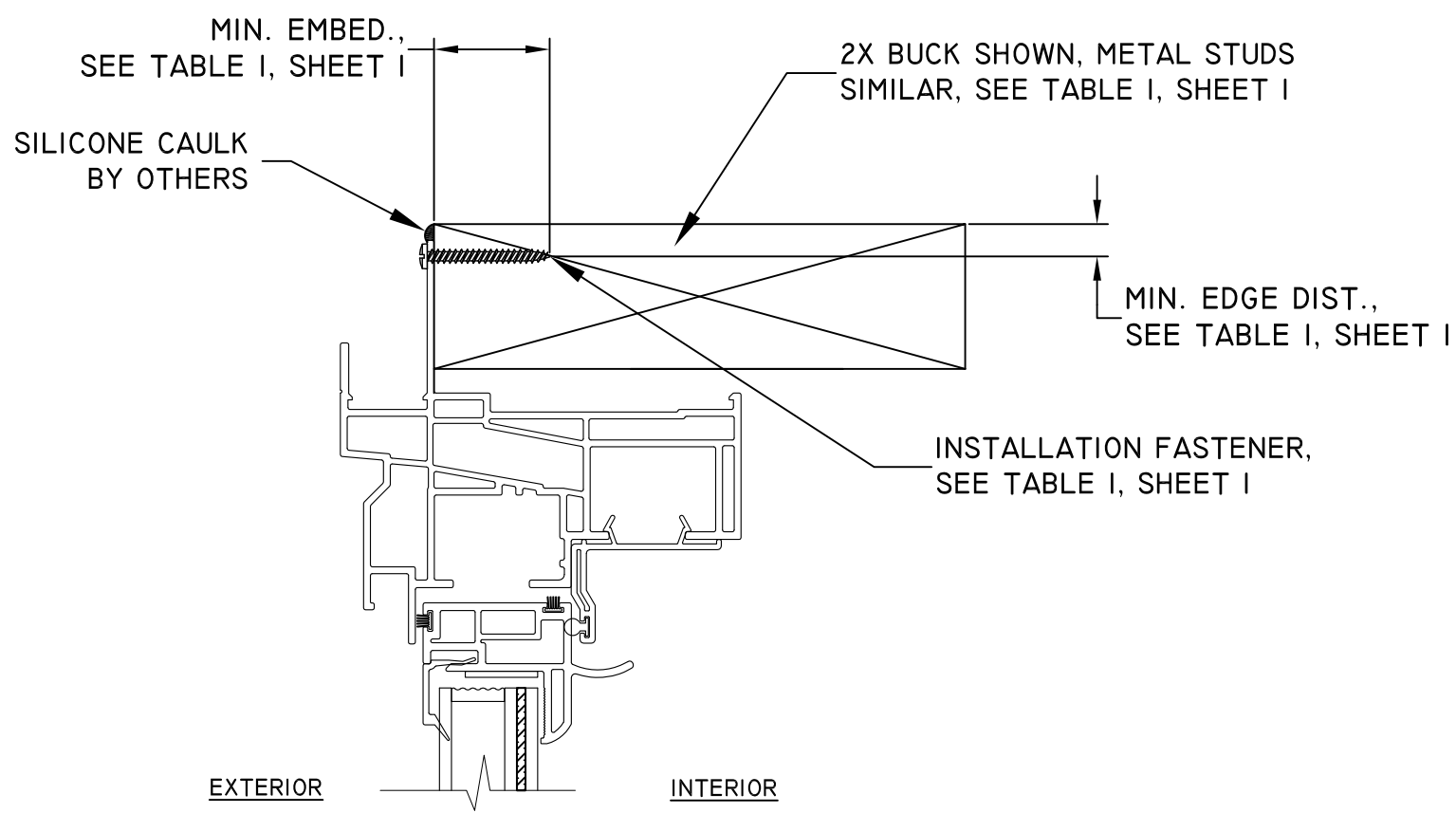


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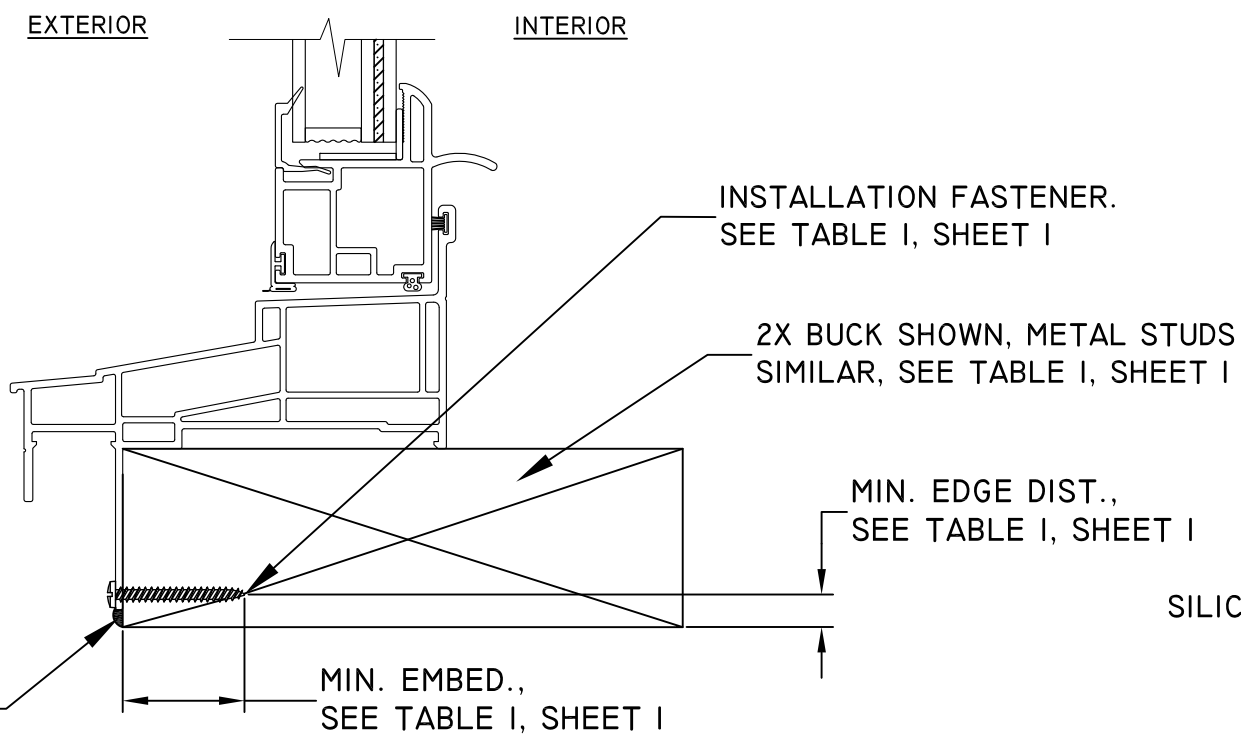
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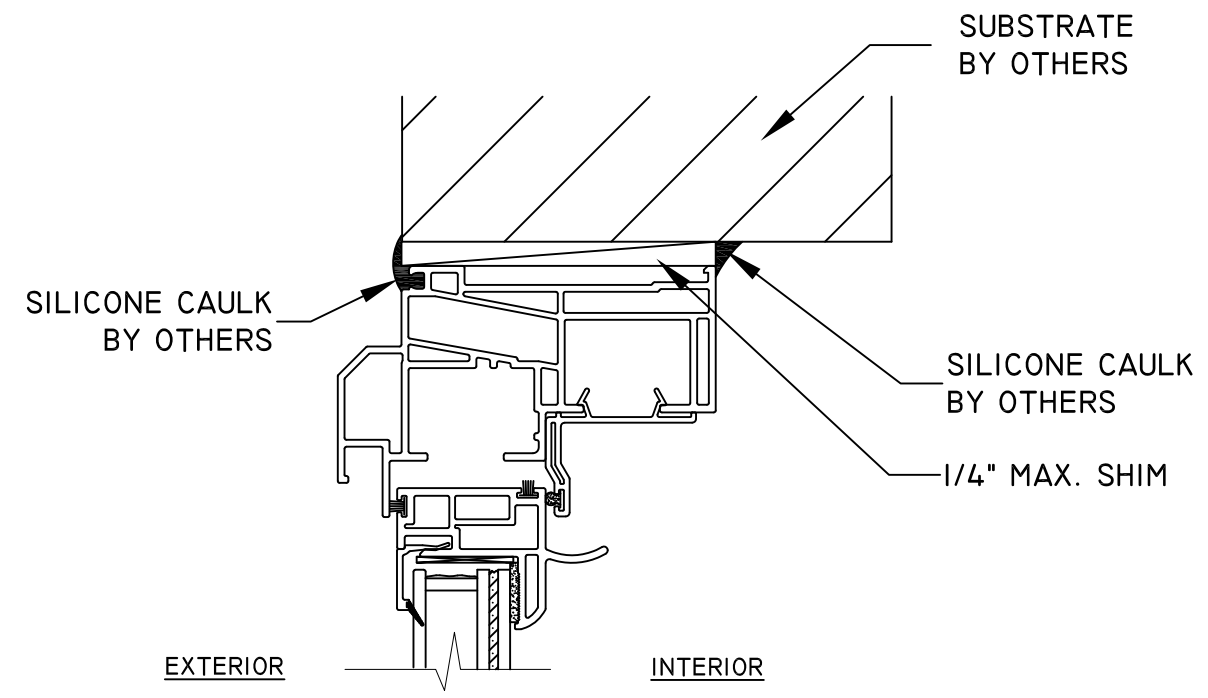
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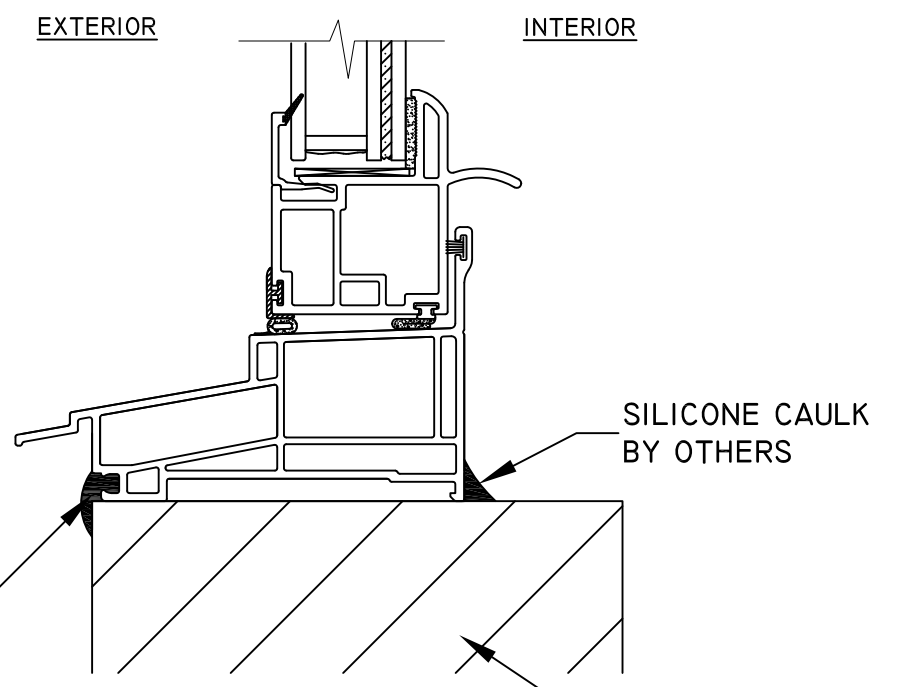
**B**  
**3**  
 VERTICAL SECTION  
 HEAD  
 FIN INSTALLATION



**A**  
**3**  
 VERTICAL SECTION  
 SILL  
 FIN INSTALLATION



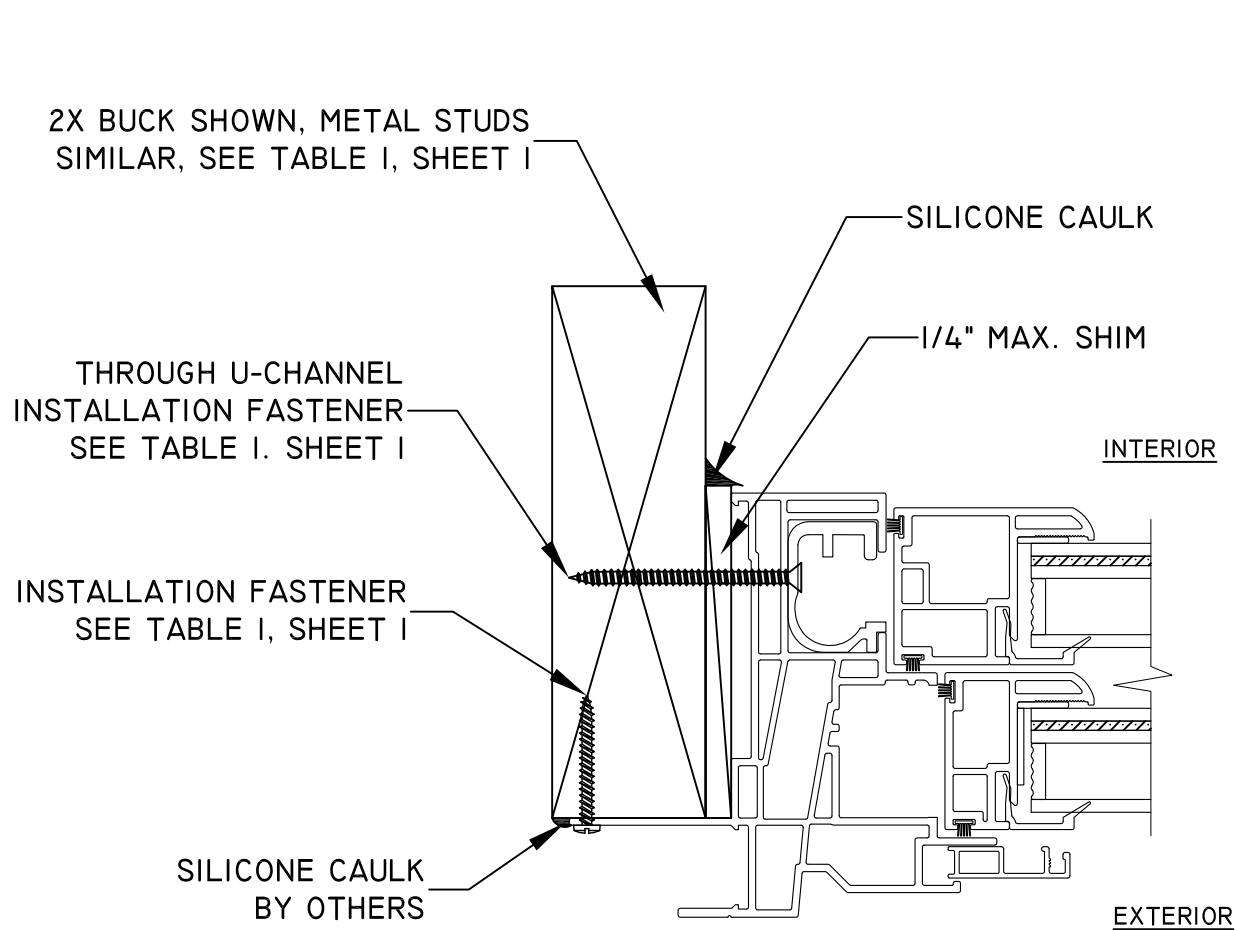
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 VERTICAL SECTION  
 HEAD  
 FINLESS INSTALLATION



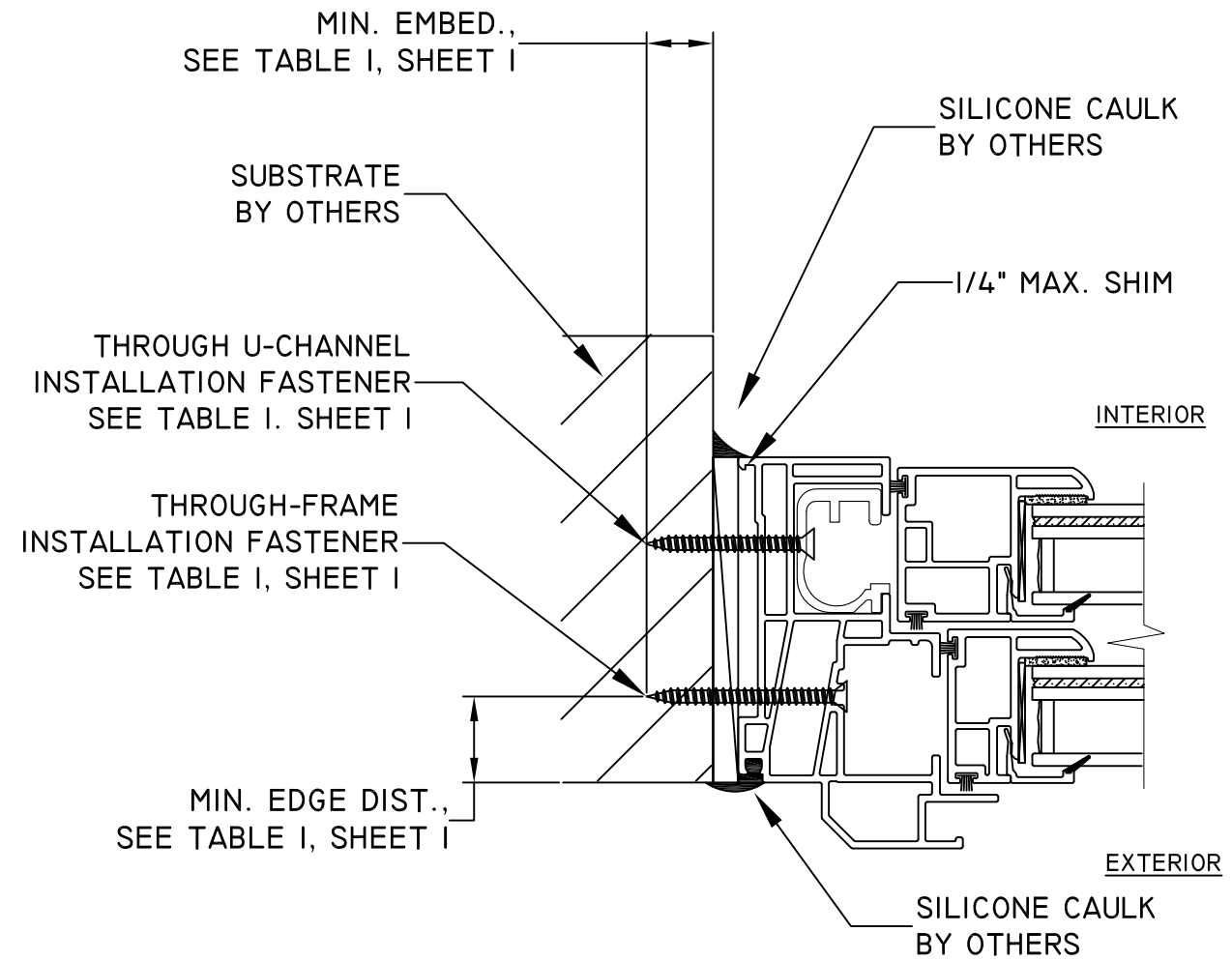
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**3**  
 VERTICAL SECTION  
 SILL  
 FINLESS INSTALLATION



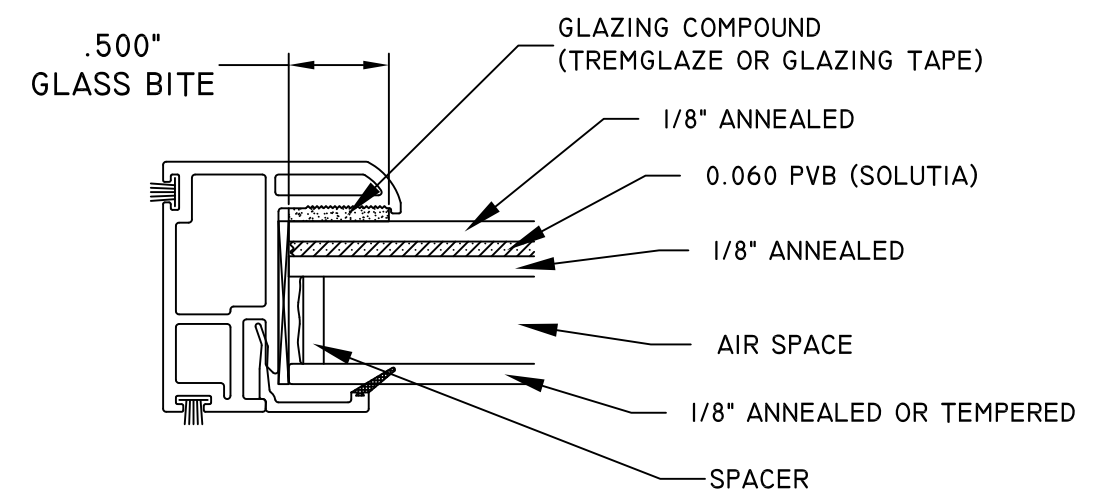
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**E**  
4  
**HORIZONTAL SECTION**  
JAMBS  
FIN INSTALLATION



**F**  
4  
**HORIZONTAL SECTION**  
JAMBS  
FINLESS INSTALLATION

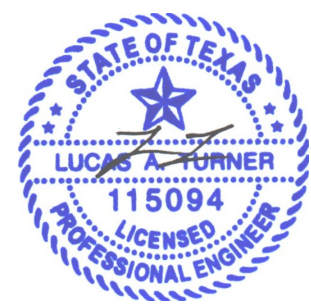


7/8" INSULATED TEMPERED OR ANNEALED IMPACT GLASS  
WITH 0.060" PVB INTERLAYER

TITLE: 07-09/07-10/07-20 DOUBLE HUNG W/SAFEPOINT HORIZONTAL SECTIONS & GLAZING OPTIONS

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