

SIMONTON WINDOWS

- 07-09 / 07-10 / 07-20 DOUBLE HUNG WINDOW

w/SAFEPOINT IMPACT - MISSILE C

- NOTES:
1.

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.
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 I ACCORDING TO SUBSTRATE TYPE. A MINIMUM CENTER-TO-CENTER SPACING OF 3" SHALL BE MAINTAINED BETWEEN ALL INSTALLATION FASTENERS IN ANY DIRECTION.
5.

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.
6.

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).
7.

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.
8.

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.
9.

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.
10.

GLAZING SHALL COMPLY WITH ASTM E 1300.
11.

A WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.
12.

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.
13.

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.
14.

DESIGNATION "X" IS FOR OPERABLE PANEL AND "O" IS FOR FIXED PANEL.
15.


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	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	

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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	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+	1-3/8"	7/8"
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.



Part of the Cornerstone Building Brands Family

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

TITLE: 07-09/07-10/07-20 DOUBLE HUNG W/SAFEPOINT
NOTES, DESIGN PRESSURE & INSTALLATION FASTENER TABLES

DATE: 08.20.21

DWN BY: LMH

CHK BY:

SCALE: NTS

REVISION DESCRIPTION

NO.


BY

DATE

03/10/25

KKB

UPDATED TO CURRENT FBC



LUCAS A. TURNER
LICENSE
No. 58201
STATE OF FLORIDA
PROFESSIONAL ENGINEER

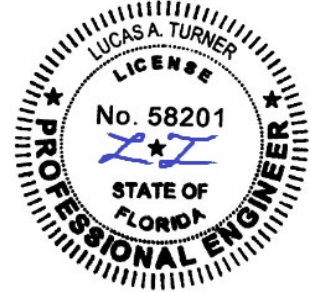
03/10/2025
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING & CONSULTING, INC.
(COA # 29779)
2428 OLD NATCHEZ TRACE
TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

FL#: 39615

DWG #: IN0598FL

SHEET: 1-FL OF 4

TITLE: 07-09/07-10/07-20 DOUBLE HUNG W/SAFEPOINT ELEVATIONS AND ANCHOR LAYOUTS	DATE	BY	NO.		
	08.20.21	DWN BY: LMH	CHK BY:		
	03/10/25	KKB	SCALE: NTS		
	REVISION DESCRIPTION	NO.	DATE		
UPDATED TO CURRENT FBC		1			

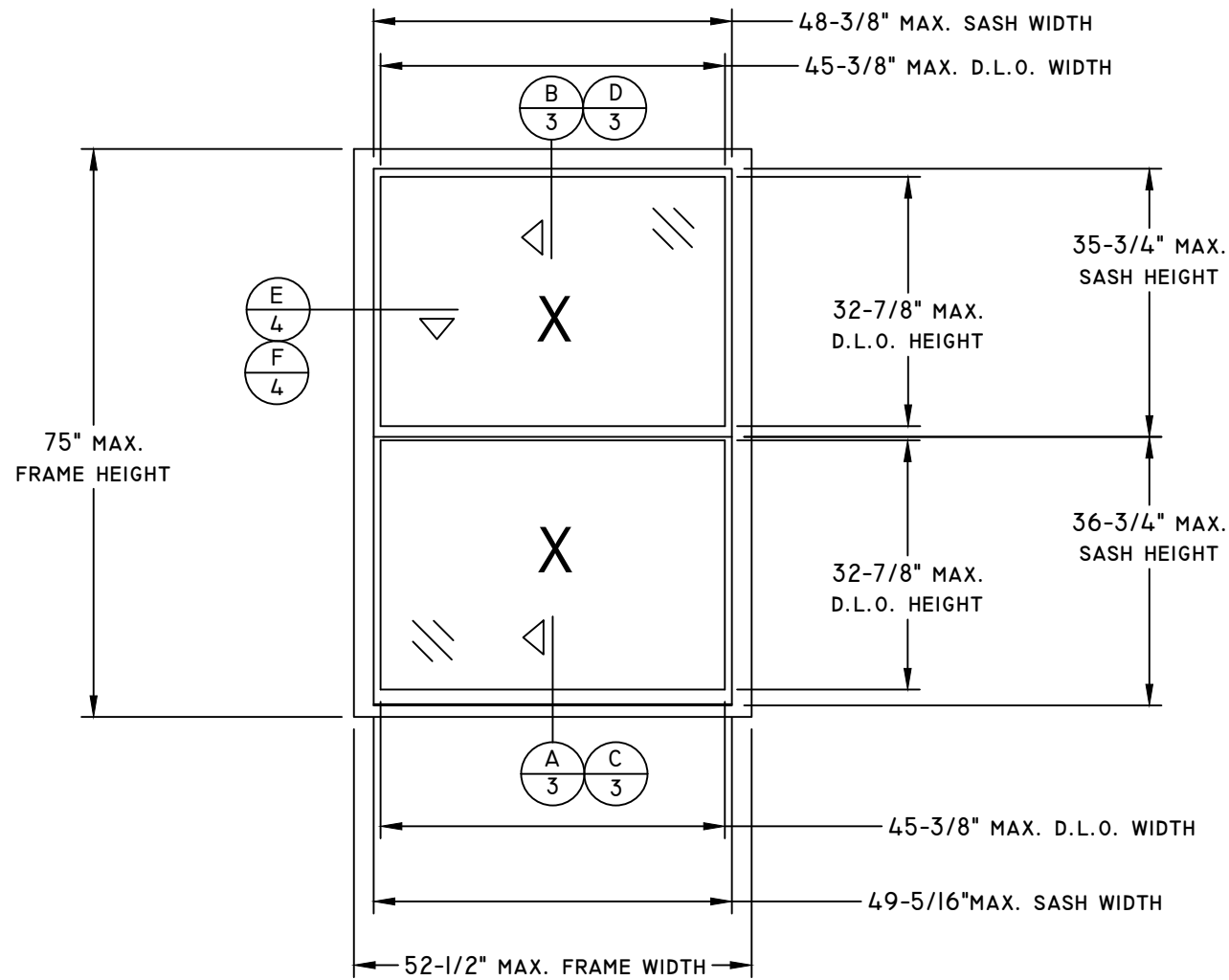


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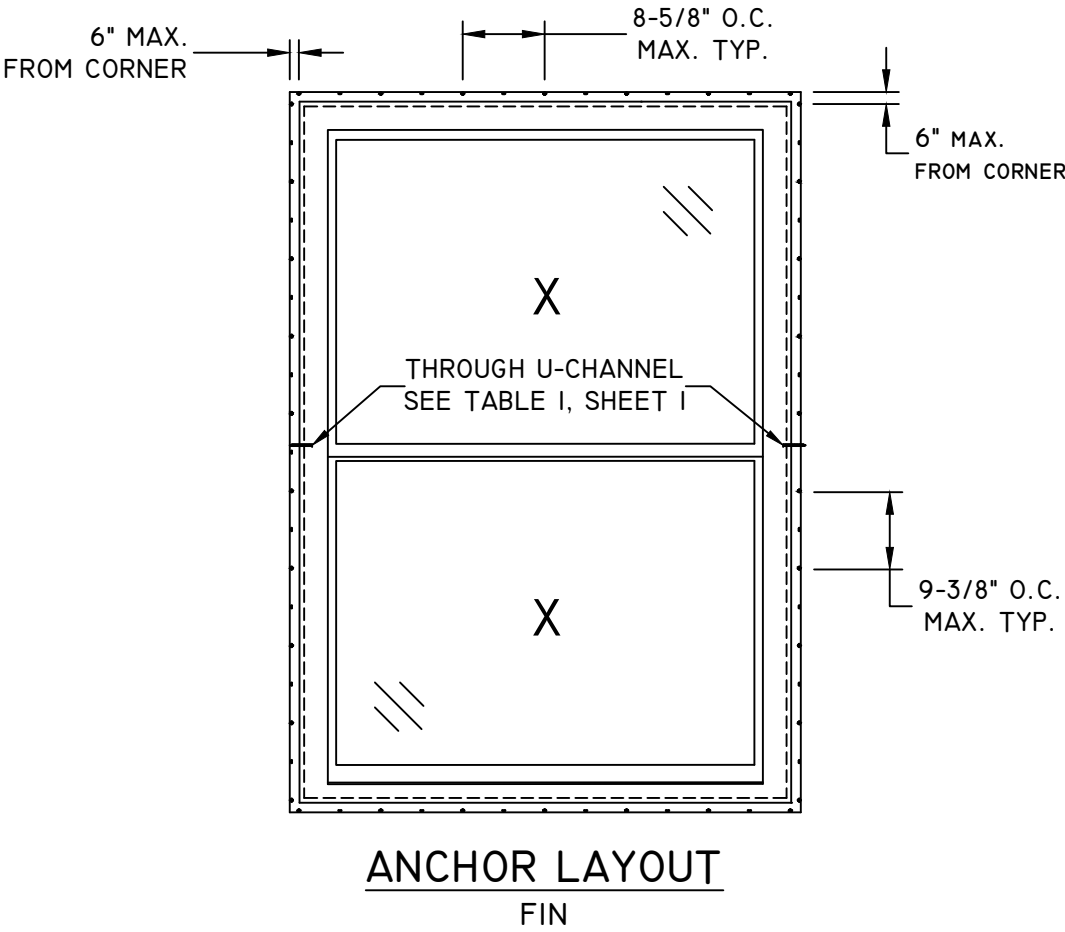
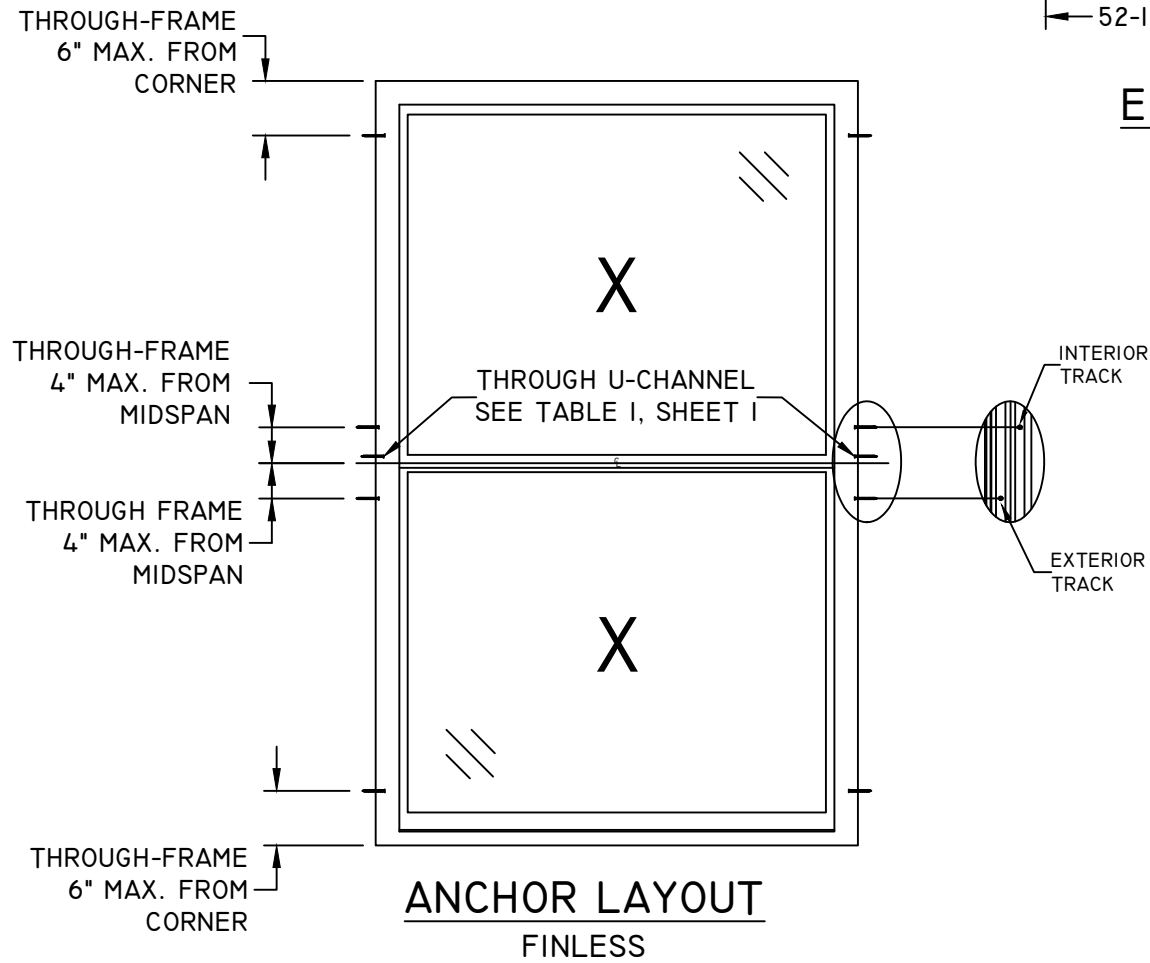
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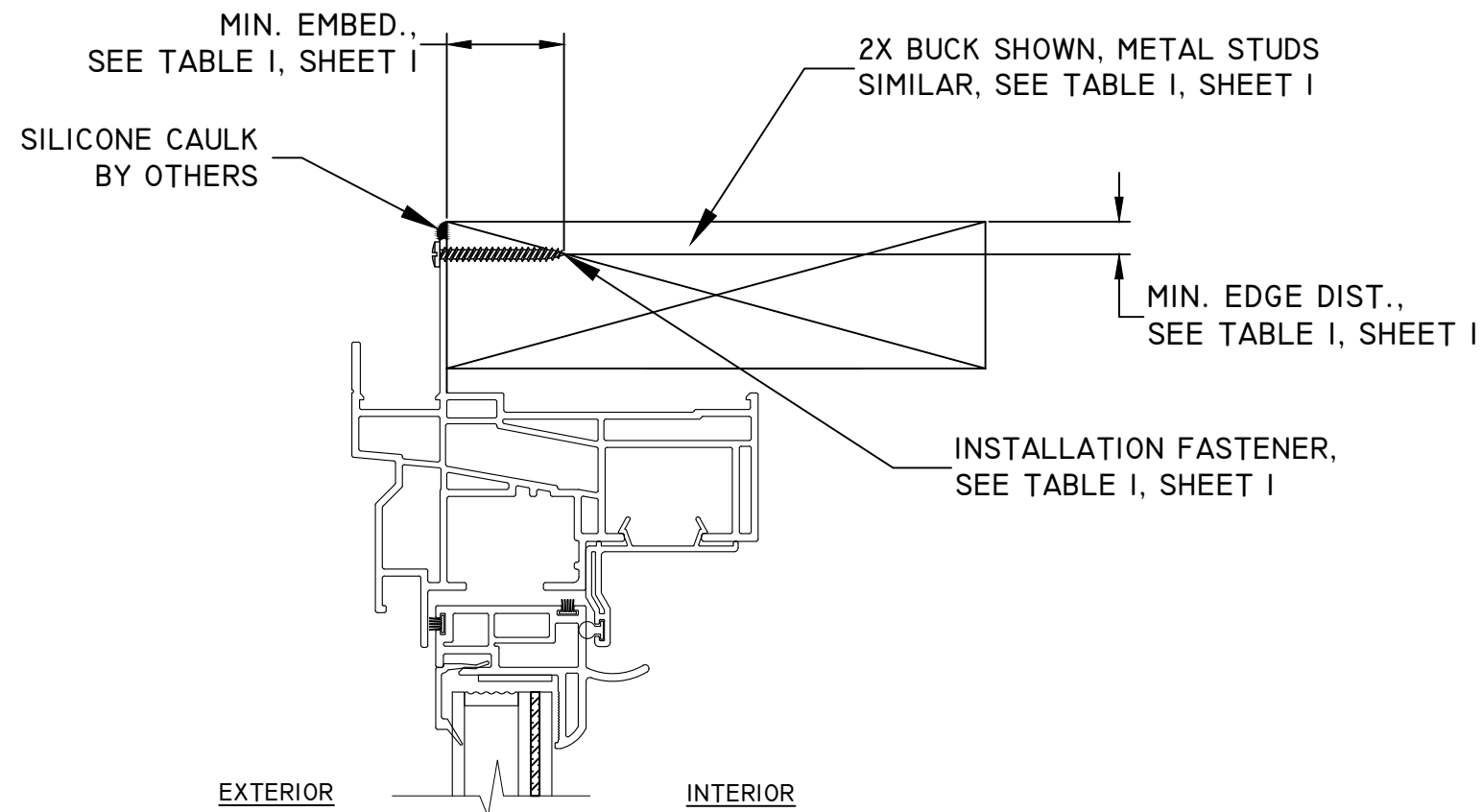
DWG #: IN0598

SHEET: 2 OF 4



ELEVATION VIEW

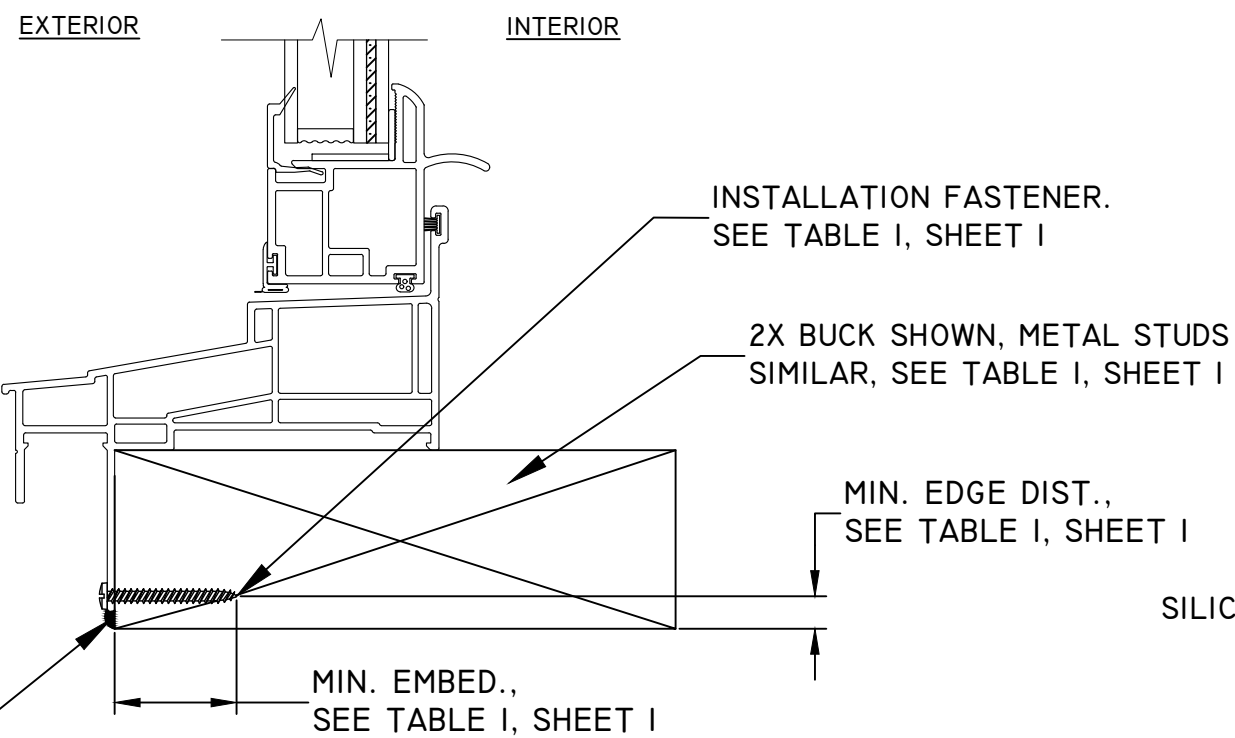




B
3

VERTICAL SECTION

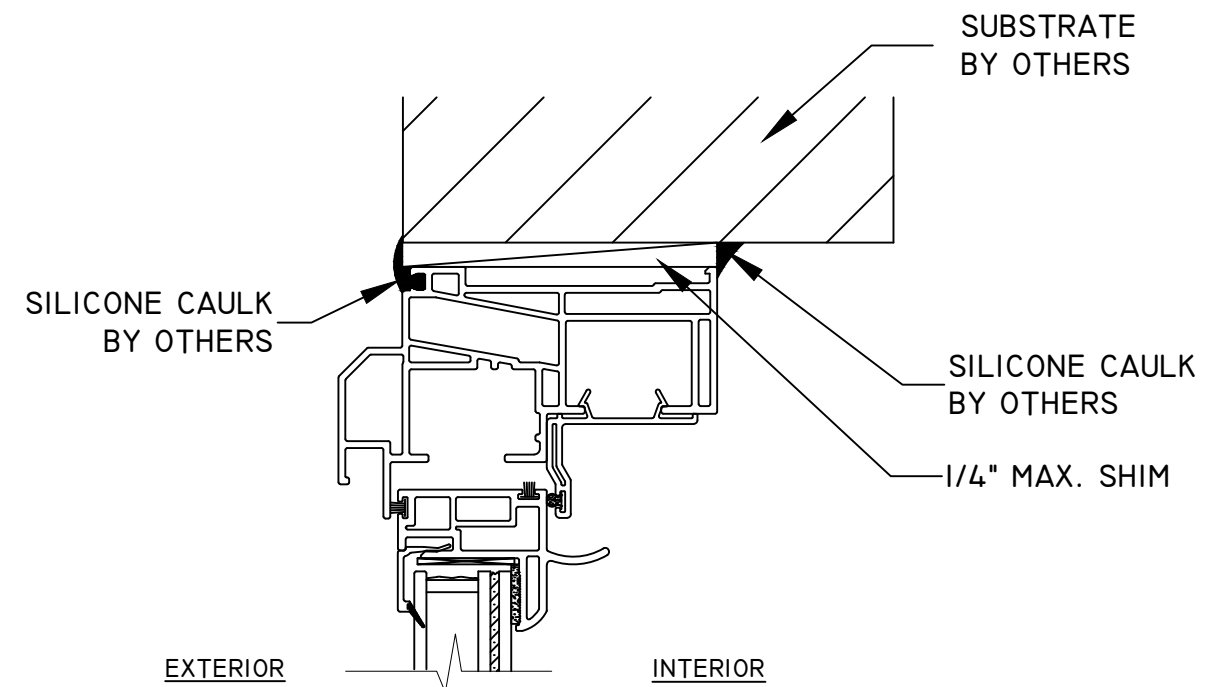
HEAD
FIN INSTALLATION



A
3

VERTICAL SECTION

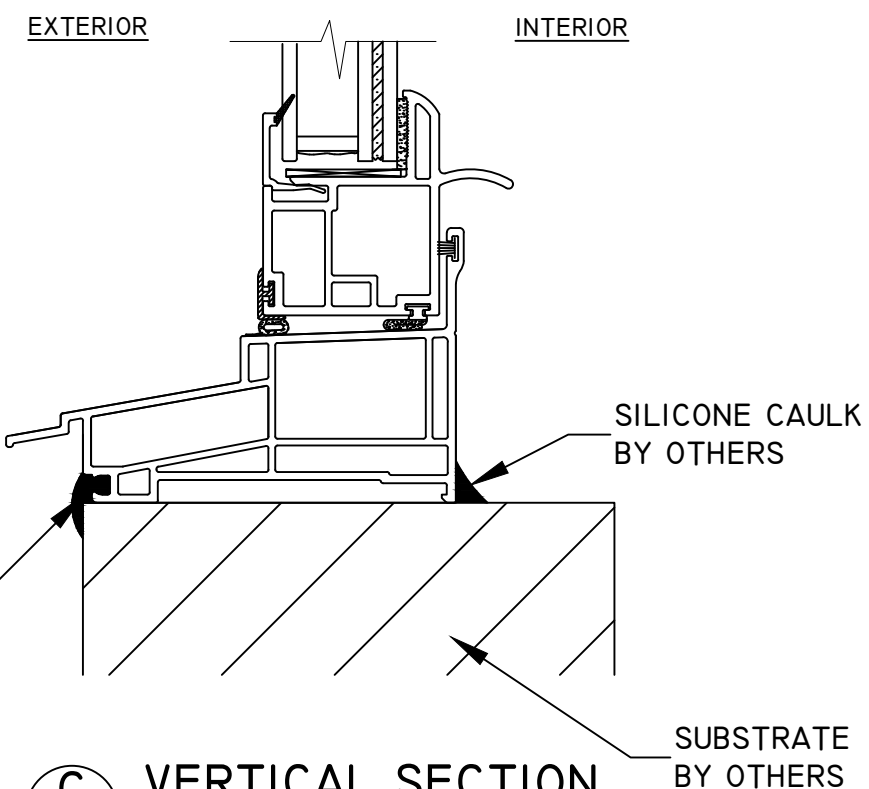
SILL
FIN INSTALLATION



D
3

VERTICAL SECTION

HEAD
FINLESS INSTALLATION



C
3

VERTICAL SECTION

SILL
FINLESS INSTALLATION

TITLE: 07-09/07-10/07-20 DOUBLE HUNG W/SAFEPOINT VERTICAL SECTIONS	DATE	03/10/25		
	BY	KKB		
	REVISION DESCRIPTION	UPDATED TO CURRENT FBC		
	NO.	1		
DATE:	DWN BY:	CHK BY:	SCALE:	
08.20.21	LMH		NTS	

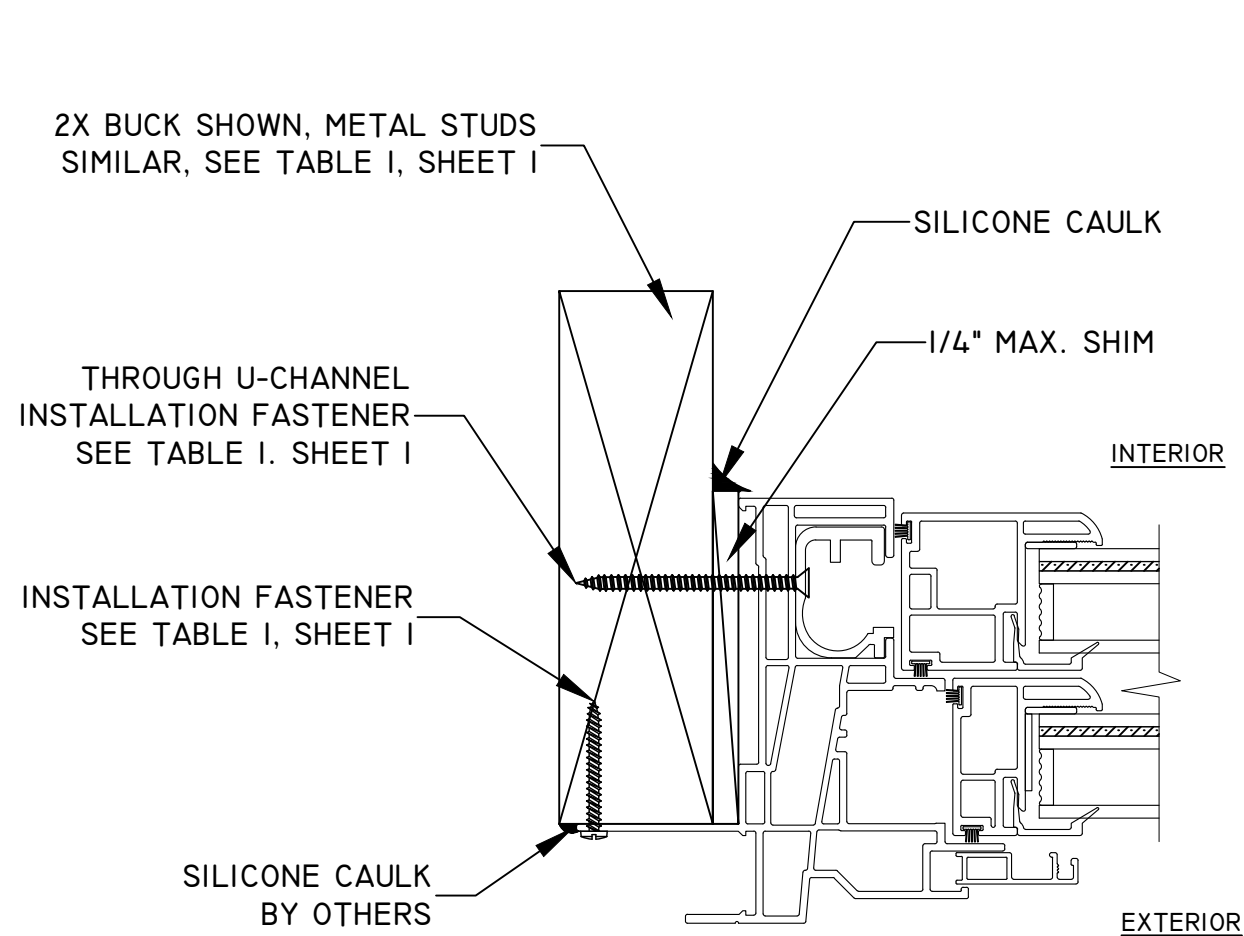


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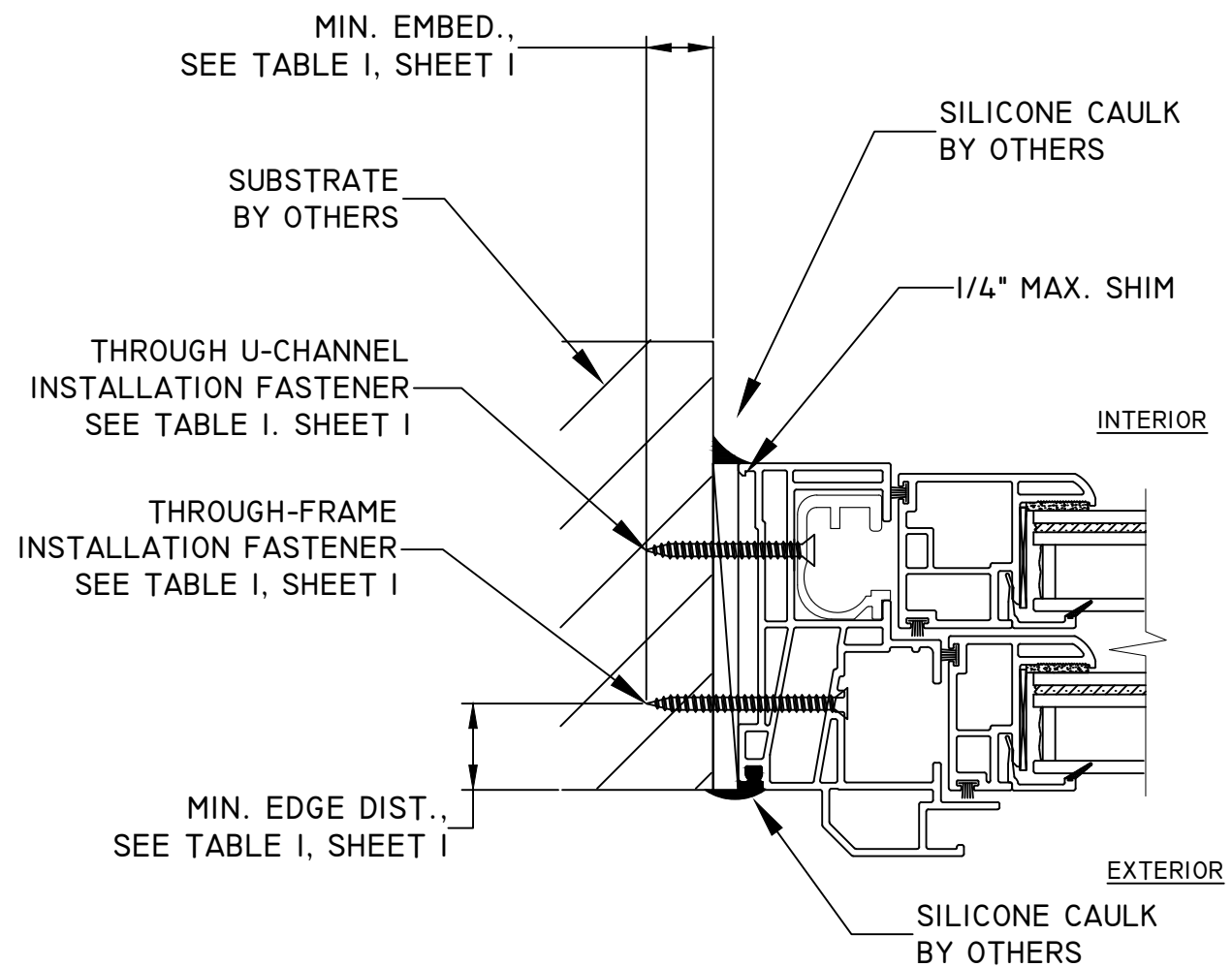
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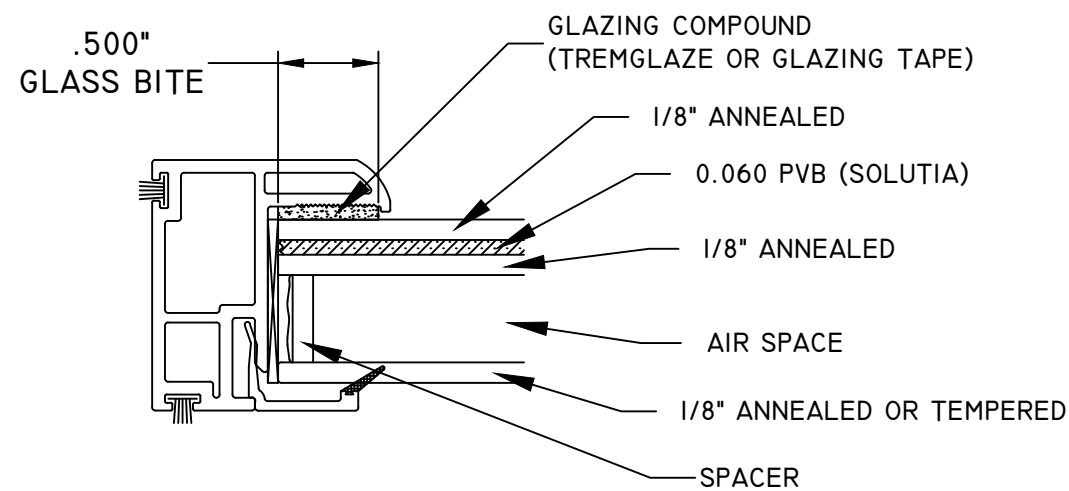
SHEET: **3 OF 4**



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	DATE	03/10/25		
	BY	KKB		
	REVISION DESCRIPTION	UPDATED TO CURRENT FBC		
	NO.	1		
DATE:	DWN BY:	CHK BY:	SCALE:	
08.20.21	LMH		NTS	



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SHEET: **4 OF 4**