

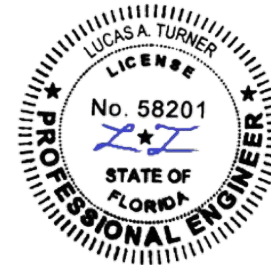
Simonton Horizontal Slider Series 07-09 / 07-10 / 07-20 Vinyl Impact Window

Single up to 73" x 62"

Positive: 50.0 PSF
Negative: 50.0 PSF

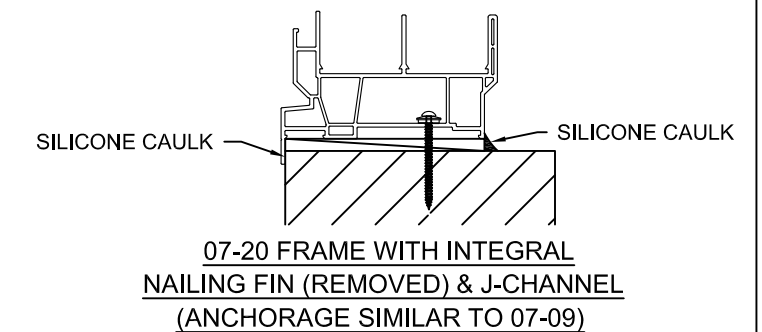
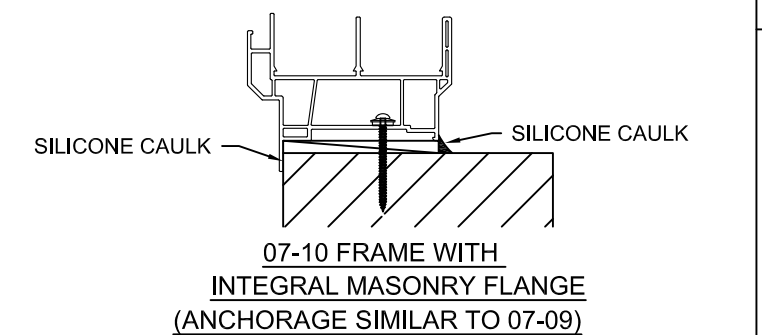
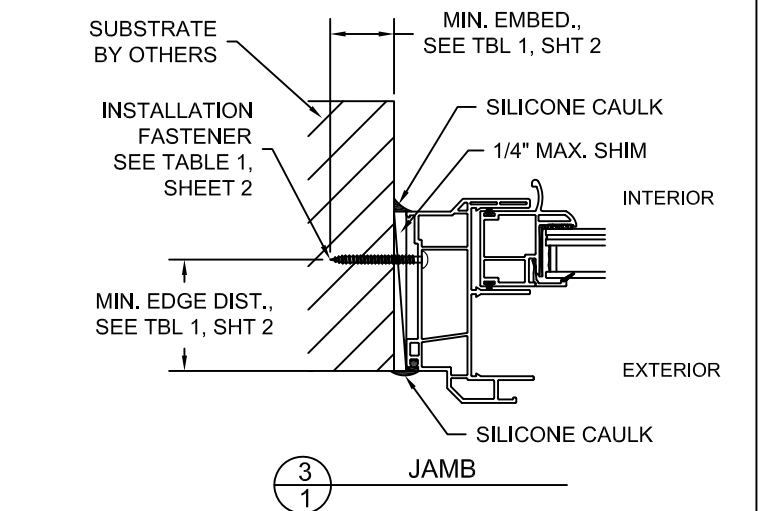
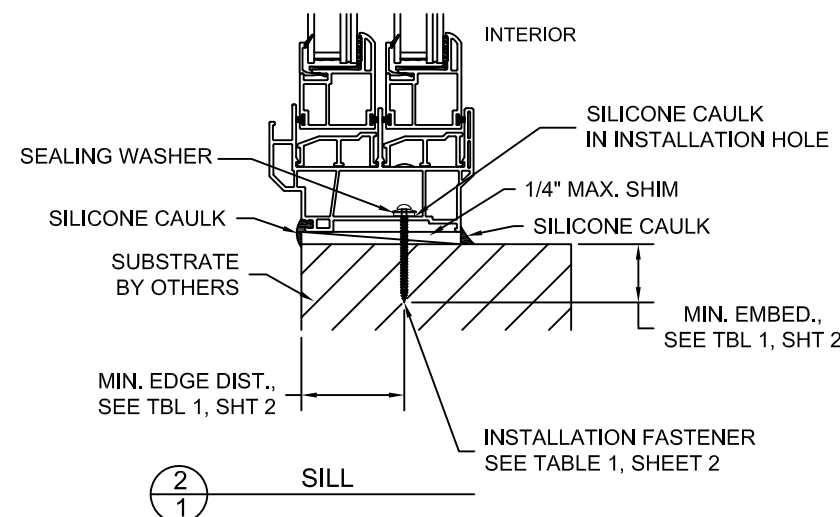
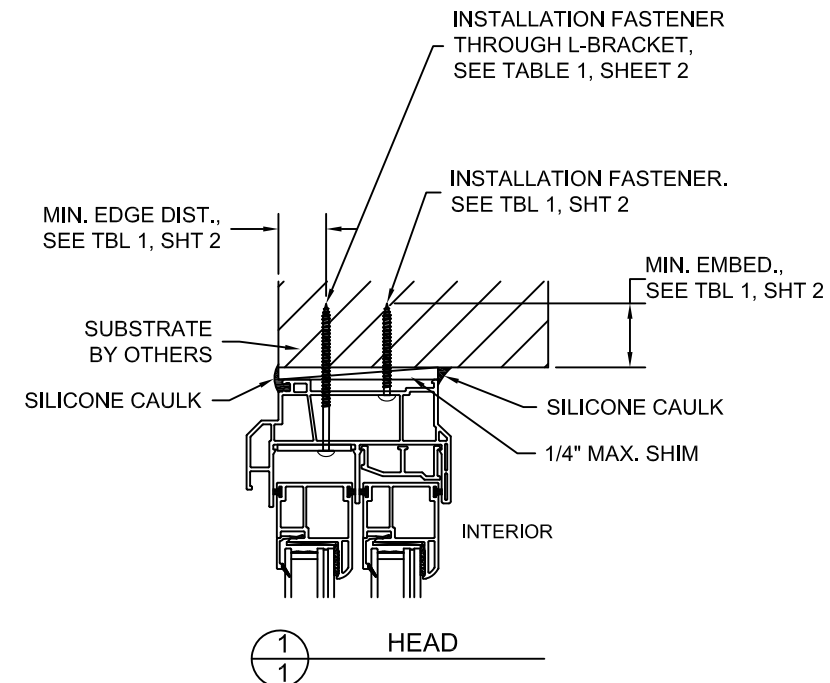
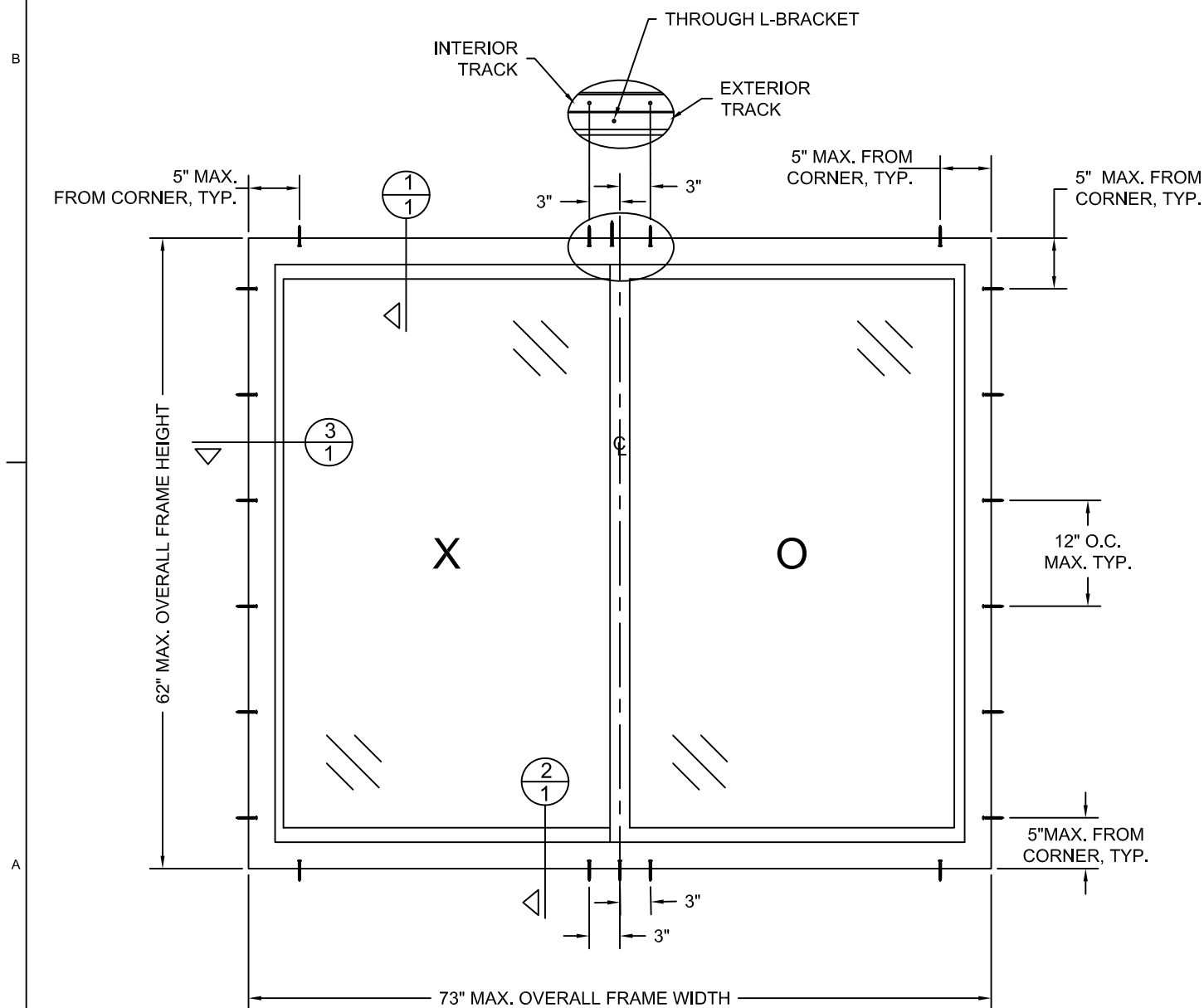
OX or XO

The head, sill, and side jambs are extruded PVC. The wall thickness through which the anchor screw penetrates is a minimum of 0.070".



05/20/2024
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

REV. #:	REVISIONS:	REVISED BY:	DATE:
8	ADDED TEST REPORT AND NOTES 15 & 16.	LMH	08/08/17
9	ADDED SEALING GASKET.	LMH	12/05/17
10	UPDATED FOR 7TH EDITION 2020 FBC.	LMH	12/06/20
11	UPDATED NOTES AND ELEVATION & ANCHOR LAYOUT VIEW	LMH	09/05/21
12	UPDATED TO CURRENT FBC..	KKB	05/20/24



EXTERIOR VIEW

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FILE: FL 10160

Dimensional Tolerances
Unless Otherwise Specified

Decimals	Angles
.X ± .03	
.XX ± .01	0° 30 min.
.XXX ± .005	



SERIES:
07-09 / 07-10 / 07-20 IMPACT HORIZONTAL SLIDER

TITLE: 1X BUCK INSTALLATION

SIZE: B	DRAWING NO.: IN0365	REV.: 12
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DRAWN BY: T.D.D.	DATE: 11/13/08
CHECKED BY:	DATE:

APPRV'D BY:	DATE:
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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. ALL INTERIOR AND EXTERIOR PERIMETER SURFACES OF THE WINDOW MUST BE CAULKED.
3. ALL SCREWS SHALL HAVE MOD. TRUSS HEAD, PAN HEAD, FLAT HEAD OR INTEGRATED OR SEPARATE WASHERS, WITH .042" MIN. HEAD OR WASHER DIAMETER.
4. ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS SPECIFIED IN THESE DRAWINGS. USE APPROPRIATE ANCHORAGE FROM TABLE I ACCORDING TO SUBSTRATE TYPE.
5. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO. FOR CONCRETE/CMU OPENINGS EMBEDMENT SHALL BE BEYOND WOOD BUCKS, IF USED, AND INTO SUBSTRATE. INSTALLATIONS TO SOLID CONCRETE OR GROUT-FILLED CMU MAY INCLUDE BUT DO NOT REQUIRE 1X WOOD BUCKS BETWEEN PRODUCT AND SUBSTRATE. INSTALLATIONS TO HOLLOW CMU REQUIRE THE USE OF 1X BUCKS BETWEEN PRODUCT AND SUBSTRATE.
6. WOOD OR MASONRY OPENINGS, BUCKS, AND BUCK FASTENERS, BY OTHERS, SHALL BE PROPERLY DESIGNED AND INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS AS SHOWN IN TABLE I, THIS SHEET. CONCRETE OR MASONRY SUBSTRATES SHALL NOT BE CRACKED.
7. THE RESPONSIBILITY FOR SELECTION OF SIMONTON PRODUCTS TO MEET ANY APPLICABLE LOCAL LAWS, BUILDING CODES, ORDINANCES, OR OTHER SAFETY REQUIREMENTS RESTS SOLELY WITH THE ARCHITECT, BUILDING OWNER, OR CONTRACTOR.
8. SHIMS ARE REQUIRED AT EACH ANCHOR WHERE GAPS OF GREATER THAN 1/16" EXIST BETWEEN OPENING AND FRAME. MAX. SHIM STACK IS 1/4". SHIMS SHALL BE LOAD-BEARING AND CAPABLE OF TRANSFERRING LOADS TO THE SUBSTRATE.
9. WHEN USED IN AREAS REQUIRING IMPACT PROTECTION, THIS PRODUCT DOES NOT REQUIRE THE USE OF APPROVED IMPACT RESISTANT SHUTTERS OR OTHER EXTERNAL PROTECTION.
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. FOR INSTALLATION TO METAL SUBSTRATES, ANCHORS SHALL BE LONG ENOUGH TO BE FULLY THREADED THROUGH THE METAL THICKNESS WITH AN ADDITIONAL 3/16" MIN. OF THREADS BEYOND.
13. A MINIMUM CENTER-TO-CENTER SPACING OF 3" SHALL BE MAINTAINED BETWEEN ALL ELCO ULTRACONS/DEWALT ULTRACON+ IN ANY DIRECTION. (EXCEPTION L-BRACKET ANCHOR).
14. 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.
15. A WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.
16. WINDOWS SHALL BE CONSTRUCTED AS SPECIFIED IN TEST REPORTS A9263.01-501-47-R0, B0676.01-501-47-R0-UD, D0967.01-501-47-R0, D8020.01-109-47-R0 AND D0968.01-501-47-R0, BY ARCHITECTURAL TESTING, INC.
17. USE A BACKER ROD ON ALL JOINTS >3/4" DEEP AND/OR WIDER THAN 1/4". FINISHED CAULK JOINT SHOULD BE A MINIMUM OF 3/8" DEEP.
18. DESIGNATION "X" IS FOR OPERABLE PANEL AND "O" IS FOR FIXED PANEL.

TABLE I: INSTALLATION FASTENERS TABLE

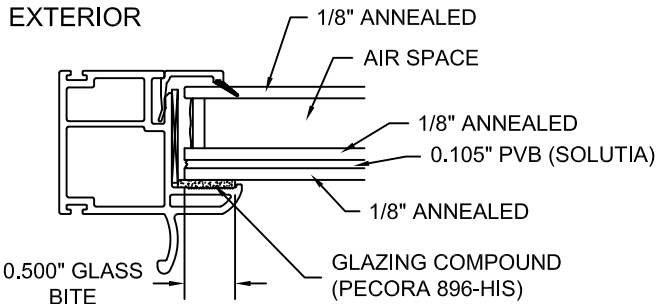
ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED.	MIN. EDGE DISTANCE
A	2X MIN. SOUTHERN PINE WOOD (G=0.55)	DEWALT ULTRACON+	1-3/8"	7/8"
B	CONCRETE (3.05 KSI MIN.)	DEWALT ULTRACON+	1-3/4"	1"
C	HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	DEWALT ULTRACON+	1-1/4"	2-1/2"
D	2X MIN. SOUTHERN PINE WOOD (G=0.55)	#10 GRADE 5 WOOD SCREW	1-3/8"	7/8"
E	16 GAUGE (0.060"), MIN. STEEL STUD, 33 KSI YIELD MIN.	#10-16 ITW TEKS SELF-DRILLING SCREW	FULL, PLUS 3 THREADS MIN.	1/2"
F	1/8" ALUM. 6063-T5 MIN. or 1/8" STEEL 36 KSI MIN.	#10 GRADE 5 SELF-TAPPING/DRILLING SCREW	FULL, PLUS 3 THREADS MIN.	1/2"



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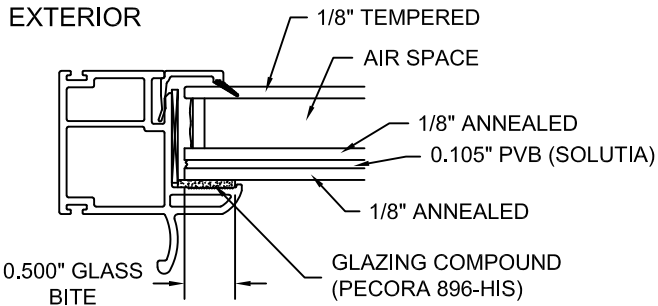
EXTERIOR



INTERIOR

1" INSULATED ANNEALED IMPACT RESISTANT GLASS WITH 0.105" PVB INTERLAYER

EXTERIOR



INTERIOR

1" INSULATED TEMPERED/ANNEALED IMPACT RESISTANT GLASS WITH 0.105" PVB INTERLAYER (OPTIONAL)

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SIZE: B	DRAWING NO.: IN0365	REV.: 12
DRAWN BY: T.D.D.	DATE: 11/13/08	
CHECKED BY:	DATE:	
SCALE: FIT	SHEET: 2 of 2	APPRVD BY:
SERIES: 07-09 / 07-10 / 07-20 IMPACT HORIZONTAL SLIDER		
TITLE: NOTES, GLAZING DETAILS, INSTALL ANCHOR TABLE		