MODEL DESIGNATION:

Simonton Impact Resistant End Vent Slider Series 42-19 Vinyl Window

MAXIMUM OVERALL NOMINAL SIZE:

Single up to 96" x 48"

DESIGN PRESSURE RATING:

Positive: 45.0 PSF Negative: 45.0 PSF

USABLE CONFIGURATIONS:

XOX 1/3-1/3-1/3

GENERAL DESCRIPTION:

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

28-3/4" MAX. D.L.O. WIDTH, TYP.

9" O.C. MAX. TYP.

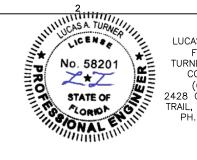
AMAX. TYP.

WAX. TYP.

WAY. TYP.

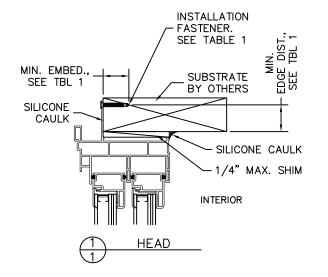
WAY. TYP.

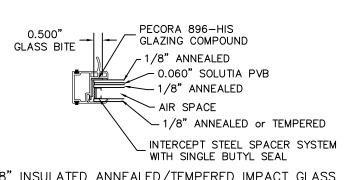
- 96" OVERALL MAX. WIDTH



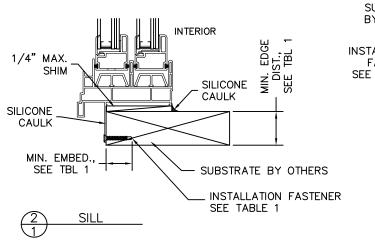
05/21/2024
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING &
CONSULTING, INC.
(COA # 29779)
2428 OLD NATCHEZ TRACE
TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

REV. #:	REVISIONS:	REVISED BY:	DATE:
1	ADDED 1X INSTALLATION	L.A.T.	01/31/15
2	ADDED TEMPERED OPTION	LMH	03/03/16
3	UPDATED FOR 7TH EDITION 2020 FBC.	LMH	12/06/20
4	UPDATED TO CURRENT FBC.	KKB	05/21/24





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



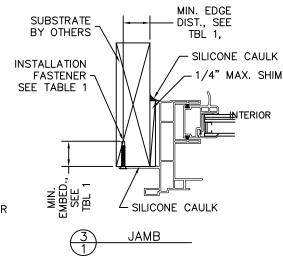


TABLE 1: FIN INSTALLATION FASTENERS TABLE

10		SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED.	MIN. EDGE DISTANCE
			ANCHOR THROUGH FIN:		
1	4	2X MIN. SOUTHERN PINE WOOD (G=0.55)	#6 WOOD SCREW	1"	3/8"

DISCLOSURE STATEMENT

This document is the property of Simonton Windows, which retains all proprietary and other rights to its subject matter. This document is provided to the recipient on the expressed condition that it is not to be disclosed, reproduced in whole or part, nor used in conjunction with the design, manufacture or repair of goods for anyone other than Simonton Windows without its consent. This restriction does not limit the recipient's rights to utilize information contained in this document which is properly obtained from another source.

MATERIAL:

RMS FINISH:

EXCEPT AS NOTED

ALLOY & TEMPER:

OF WEIGHT:

EXCEPT AS NOTED

ALLOY & TEMPER:

OF WEIGHT:

Decimals

SURFACE AREA:

PERIMETER:

.X ± .03

.XX ± .01

FINISH TREATMENT:

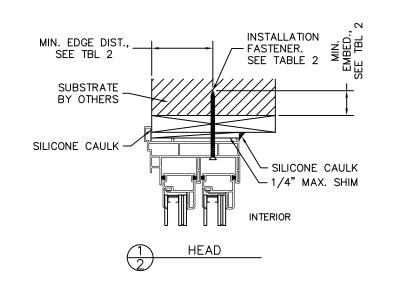
Dimensional Tolerances Unless Otherwise Specified

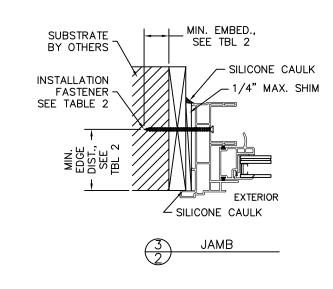
Decimals Angles $.X \pm .03$

0° 30 min.

				SIZE:	DRAWING	NO.:	RE
	SIMON TON° W I N D O W S 1 Cochrane Avenue Pennsboro, WV 26415			LB_	INO	546	4
				DRAV	VN BY:	DATE:	
				1	D.D.	04/19	/1:
				CHEC	KED BY:	DATE:	
	SCALE:	FIT	SHEET: 1 of 1	APPR	RV'D BY:	DATE:	
	SERIES: 42-19 IMPACT RESISTANT ENDVENT SLIDER						
	TITLE: THROUGH-FIN 2X BUCK INSTALLATION						

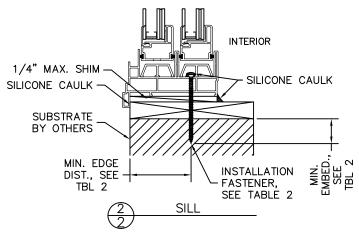
FILE: FL 10160





05/21/2024 LUCAS Á. TÚRNER, P.E. FL PE # 58201 TURNER ENĞINEERING & CONSULTING, INC. (COA # 29779) 2428 OLD NATCHEZ TRACE TRAIL, CAMDEN, TN 38320 PH. 941-380-1574

REV. #:	REVISIONS:	REVISED BY:	DATE:
1	ADDED 1X INSTALLATION	L.A.T.	01/31/15
2	UPDATED TABLE 2. ADDED NOTES 15-17. ADDED TEST REPORT TO NOTE 14.	LMH	03/03/16
3	UPDATED FOR 7TH EDITION 2020 FBC.	LMH	12/06/20
4	UPDATED TO CURRENT FBC.	ккв	05/21/24
			•



NOTES:

1. This installation has been evaluated for use in locations adhering to the Texas & 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.

AS A. TURNE

No. 58201

STATE OF

CORPO

THE PROFE

- 2. ALL INTERIOR PERIMETER SURFACES AND EXTERIOR FINS AND BRICKMOULDS OF THE WINDOW MUST BE CAULKED.
- 3. ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS SPECIFIED IN THESE DRAWINGS.
- 4. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO. FIN INSTALLATIONS TO CONCRETE/MASONRY OPENINGS REQUIRE THE USE OF 2X WOOD BUCKS BETWEEN PRODUCT AND SUBSTRATE, WITH PRODUCT INSTALLATION TO 2X BUCK AS INDICATED ON SHEET I. FOR FLANGE INSTALLATIONS TO CONCRETE/CMU OPENINGS, EMBEDMENT SHALL BE BEYOND WOOD BUCKS, IF USED, AND INTO SUBSTRATE, SEE SHEET 2. FLANGE INSTALLATIONS TO SOLID CONCRETE OR GROUT-FILLED CMU MAY INCLUDE BUT DO NOT REQUIRE IX WOOD BUCKS BETWEEN PRODUCT AND SUBSTRATE. FLANGE INSTALLATIONS TO HOLLOW CMU REQUIRE THE USE OF IX BUCKS BETWEEN PRODUCT AND SUBSTRATE.
- 5. 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 1, THIS SHEET, AND TABLE 2, SHEET 2.
- 6. 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.
- 7. SHIMS ARE REQUIRED 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.
- 8. WHEN USED IN AREAS REQUIRING IMPACT PROTECTION CONFORMING TO MISSILE LEVEL C, WIND ZONE 2, THIS PRODUCT DOES NOT REQUIRE THE USE OF APPROVED IMPACT RESISTANT SHUTTERS OR OTHER EXTERNAL PROTECTION.
- 9. SEALING AND FLASHING BY OTHERS SHOULD BE APPLIED USING THE ASTM E 2112 METHODOLOGY APPROPRIATE FOR THE OPENING INTO WHICH THE DOOR IS BEING INSTALLED. OVERALL WATER PENETRATION RESISTANCE OF THE INSTALLED PRODUCT IS THE RESPONSIBILITY OF OTHERS.
- 10. GLAZING SHALL COMPLY WITH ASTM E 1300.
- II. A MINIMUM CENTER-TO-CENTER SPACING OF 3" SHALL BE MAINTAINED BETWEEN ALL ELCO ULTRACONS IN ANY DIRECTION.
- 12. 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.
- 13. A WIND LOAD DURATION FACTOR CD = 1.6 WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.

MATERIAL

- 14. WINDOWS SHALL BE CONSTRUCTED AS SPECIFIED IN TEST REPORTS B7595.01-501-47-RI, A6990.01-501-47-RO AND E0147.01-109-RO BY ARCHITECTURAL TESTING, INC.
- 15. 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
- 16. DESIGNATION "X" IS FOR OPERABLE PANEL AND "O" IS FOR FIXED PANEL
- 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.

-	WIDTH, TYP.	-
 6" MAX.	2	9" O.C. MAX. (TYP.)
 	222	### A STOCK PACK TYP. P. O.C. TYP. P. O.C. TYP.
-	96" OVERALL MAX. WIDTI	1

1 28-3/4" MAX. D.L.O. 1

TABLE 2: 1X INSTALLATION FASTENERS TABLE					
ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED	MIN. EDGE DIST.	
Α	CONCRETE (3.05 KSI MIN.)	DEWALT ULTRACON+	1-3/4"	1"	
В	HOLLOW OR GROUT-FILLED CMU (ASTM C90)	DEWALT ULTRACON+	1-1/4"	2 1/2"	
С	1/8" ALUM. 6063-T5 MIN. OR 1/8" STEEL 36 KSI MIN.	#10 GRADE 5 SELF— TAPPING/DRILLING SCREW	SEE NOTE 15	1/2"	

DISCLOSURE STATEMENT This document is the property of Simonton Windows, which retains all proprietary and other rights to its subject matt This document is provided to the recipient on the express condition that it is not to be disclosed, reproduced in whole part, nor used in conjunction with the design, manufacture repair of goods for anyone other than Simonton Window without its consent. This restriction does not limit the recipient's rights to utilize information contained in this document which is properly obtained from another source

FILE: FL 10160

	MATERIAL:			
tter.	RMS FINISH: EXCEPT AS NOTED ALLOY & TEMPER:		Dimensional <u>Unless Otherw</u>	
le or				
vs	WEIGHT:	VOLUME:	Decimals	Angles
e s ce.	SURFACE AREA:	PERIMETER:	.X ± .03 .XX ± .01	0° 30 min.
	FINISH TREATMENT:		.XXX ± .005	
	I		l e	

SIZE: DRAWING NO.: IN0546 SIMON TON' DRAWN BY: DATE: 04/19/12 1 Cochrane Avenue CHECKED BY: DATE: Pennsboro, WV 26415 APPRV'D BY: DATE: SCALE: SHEET: 2 of 2 42-19 IMPACT RESISTANT ENDVENT SLIDER TITLE: NOTES, THROUGH-FRAME 1X BUCK INSTALLATION