

MODEL DESIGNATION:Simonton Double Hung Series 43–17 Vinyl Window

MAXIMUM OVERALL NOMINAL SIZE:See Size Chart

DESIGN PRESSURE RATING:See Size Chart

USABLE CONFIGURATIONS:

X

X

GENERAL DESCRIPTION:

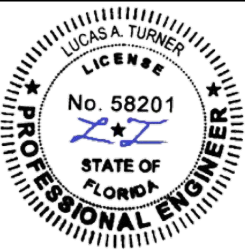
The head, sill, and side jambs are extruded PVC. The wall thickness through which the anchor screw penetrates is a minimum of 0.142".

Lucas Turner

2024.07.01

14:45:20

-05'00'



06/04/2024

LUCAS A. TURNER, P.E.

FL PE # 58201

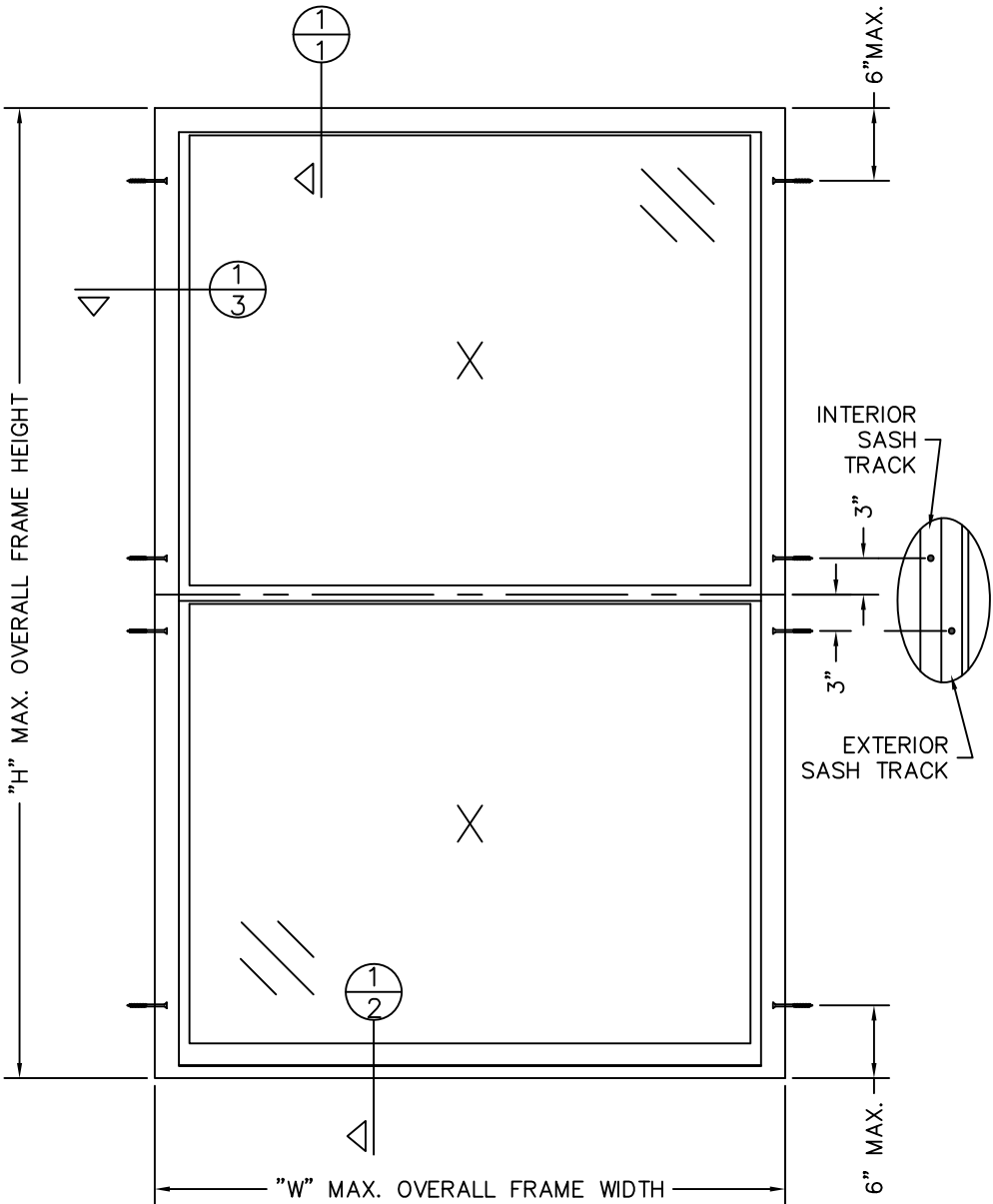
TURNER ENGINEERING & CONSULTING, INC.

(COA # 29779)

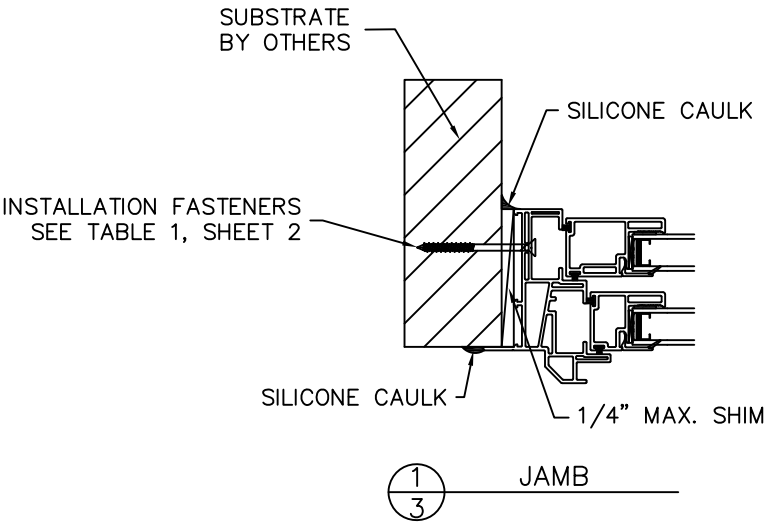
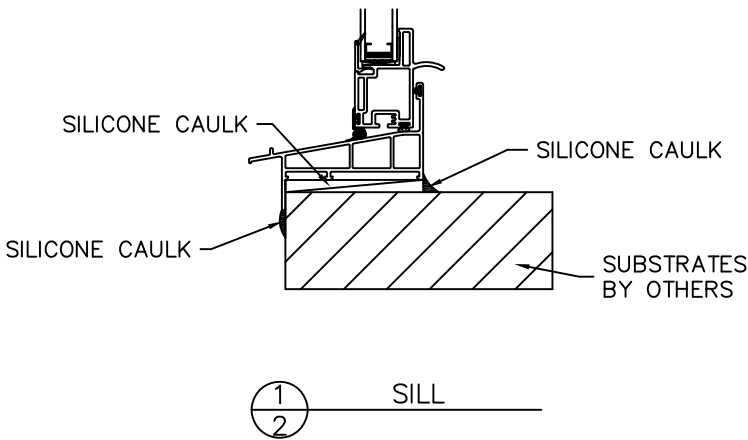
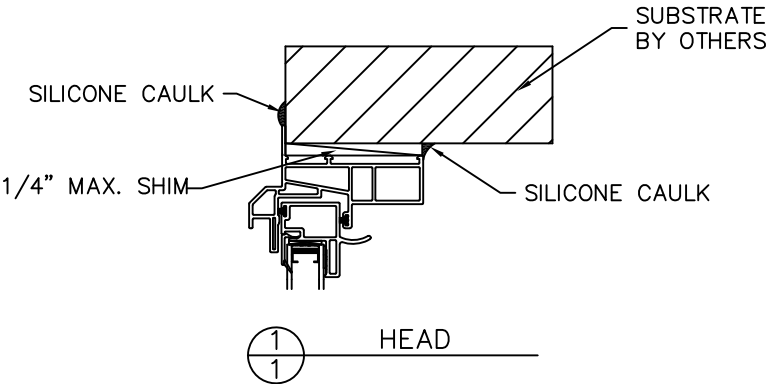
2428 OLD NATCHEZ TRACE TRAIL, CAMDEN, TN 38320

PH. 941–380–1574

REV. #	REVISIONS:	REVISED BY:	DATE:
4	UPDATED SIZES PER NEW TESTING AND ADDED NOTES 15 & 16.	T.D.D.	11/30/11
5	ADDED MIN. EDGE DIST. NOTE.	B.J.S.	6/19/15
6	ADDED NOTES 15 & 16, UPDATED TO ALL SUBSTRATES & ADDED SHEET 2	LMH	5/09/16
7	UPDATED TO 7TH EDITION (2020) FBC.	LMH	02/20/21
8	UPDATED TO CURRENT FBC.	KKB	06/04/24



SIZE CHART		
OVERALL SIZE		DP RATING
WIDTH "W"	HEIGHT "H"	
36"	72"	±30 PSF
48"	80"	
44"	63"	
48"	80"	±35 PSF
53"	71"	
36"	63"	
44"	63"	±45 PSF
26"	76"	
36"	74"	
32"	62"	±50 PSF



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FILE: FL 5167

MATERIAL:	
RMS FINISH:	
EXCEPT AS NOTED	
ALLOY & TEMPER:	
WEIGHT:	VOLUME:
SURFACE AREA:	PERIMETER:
FINISH TREATMENT:	

Dimensional Tolerances Unless Otherwise Specified	
Decimals	Angles
.X ± .03	0° 30 min.
.XX ± .01	
.XXX ± .005	

 SIMONTON® W I N D O W S 1 Cochrane Avenue Pennsboro, WV 26415	SIZE: B	DRAWING NO.: IN0254	REV.: 8
	DRAWN BY: T.D.D.	DATE: 05/23/08	
	CHECKED BY:	DATE:	
	APPR'V'D BY:	DATE:	
SCALE: FIT	SHEET: 1 of 2	SERIES: 43-17 DOUBLE HUNG	
TITLE: 1X BUCK INSTALLATION			

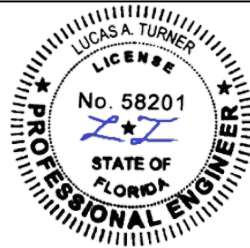
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<u>USABLE CONFIGURATIONS:</u>	$\frac{X}{X}$
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6/04/2024
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FL PE # 58201
TURNER ENGINEERING &
CONSULTING, INC.
(COA # 29779)
2428 OLD NATCHEZ TRACE
TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

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TABLE 1: INSTALLATION FASTENERS TABLE

ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED	MIN. EDGE DISTANCE
A	CONCRETE (2 KSI MIN.)	3/16" ITW TAPCON	1-1/2"	1 1/8"
B	HOLLOW OR GROUT-FILLED CMU (ASTM C90) (117 PCF MIN.)	3/16" ITW TAPCON	1"	2"
C	2X MIN. SOUTHERN PINE WOOD (G=0.55)	3/16" ITW TAPCON	1-3/8"	3/4"
D	2X MIN. SOUTHERN PINE WOOD (G=0.55)	#10 WOOD SCREW	1-3/8"	3/4"
E	16 GAUGE (0.060") MIN. STEEL STUD, 33KSI YIELD MIN.	#10-16 ITW TEKS SELF-DRILLING SCREW	FULL THREAD	1/2"
F	1/8" ALUM. 6063-T5 MIN. OR 1/8" STEEL 36 KSI MIN.	#10 GRADE 5 SELF-TAPPING/DRILLING SCREW	FULL THREAD	1/2"

NOTES:

1. THIS INSTALLATION HAS BEEN EVALUATED FOR USE IN LOCATIONS ADHERING TO THE FLORIDA BUILDING CODE OUTSIDE THE HVHZ, 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.
2. FOR ANCHORAGE REQUIREMENTS IN VARIOUS SUBSTRATES SEE TABLE I. A MINIMUM DISTANCE OF 3" SHALL BE MAINTAINED BETWEEN ANY TWO INSTALLATION FASTENERS.
3. ALL INTERIOR AND EXTERIOR PERIMETER SURFACES OF THE WINDOW MUST BE CAULKED.
4. ANCHOR TYPE, SIZE, SPACING, EMBEDMENT, AND EDGE DISTANCE SHALL BE AS SPECIFIED IN THESE DRAWINGS.
5. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO. FOR MASONRY OPENINGS WITH WOOD BUCKS LESS THAN 1-1/2" THICK, EMBEDMENT SHALL BE BEYOND WOOD BUCKS, IF USED, AND INTO MASONRY SUBSTRATE. WOOD BUCKS WITH MASONRY ARE OPTIONAL.
6. WOOD OR MASONRY OPENINGS, BUCKS, AND BUCK FASTENERS, BY OTHERS, SHALL BE PROPERLY DESIGNED AND INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
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 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 REQUIRES 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 PRODUCT IS BEING INSTALLED. OVERALL WATER PENETRATION RESISTANCE OF THE INSTALLED PRODUCT IS NOT ADDRESSED IN THIS DRAWING AND IS THE RESPONSIBILITY OF OTHERS.
11. GLAZING SHALL COMPLY WITH ASTM E 1300.
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 $C_d = 1.6$ WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.
14. PRODUCTS SHALL BE CONSTRUCTED AS SPECIFIED IN TEST REPORTS A9243.01-501-47 AND A4934.01-501-47 BY ARCHITECTURAL TESTING, INC - SPRINGDALE, PA AND C4256.01-109-47, B3423.01-109-47, C0827.01-109-47, C0838.01-109-47, C5638.01-109-47 AND C7754.01-109-47 BY ARCHITECTURAL TESTING, INC - YORK, PA.
15. DESIGNATION "X" AND "O" STAND FOR THE FOLLOWING: X: OPERABLE PANEL - O: FIXED PANEL.
16. 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.

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FILE: FL 5167						SCALE: FIT SHEET: 2 of 2		SERIES: 43-17 DOUBLE HUNG	
						TITLE: 1X BUCK INSTALLATION			