

MODEL DESIGNATION:

Simonton Single Hung Series 41-18 Vinyl Window

MAXIMUM OVERALL NOMINAL SIZE:

See Size Chart

DESIGN PRESSURE RATING:

See Size Chart

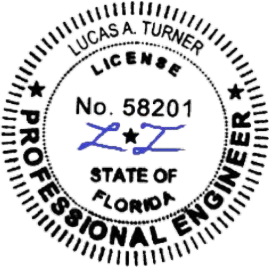
USABLE CONFIGURATIONS:

$\frac{O}{X}$

GENERAL DESCRIPTION:

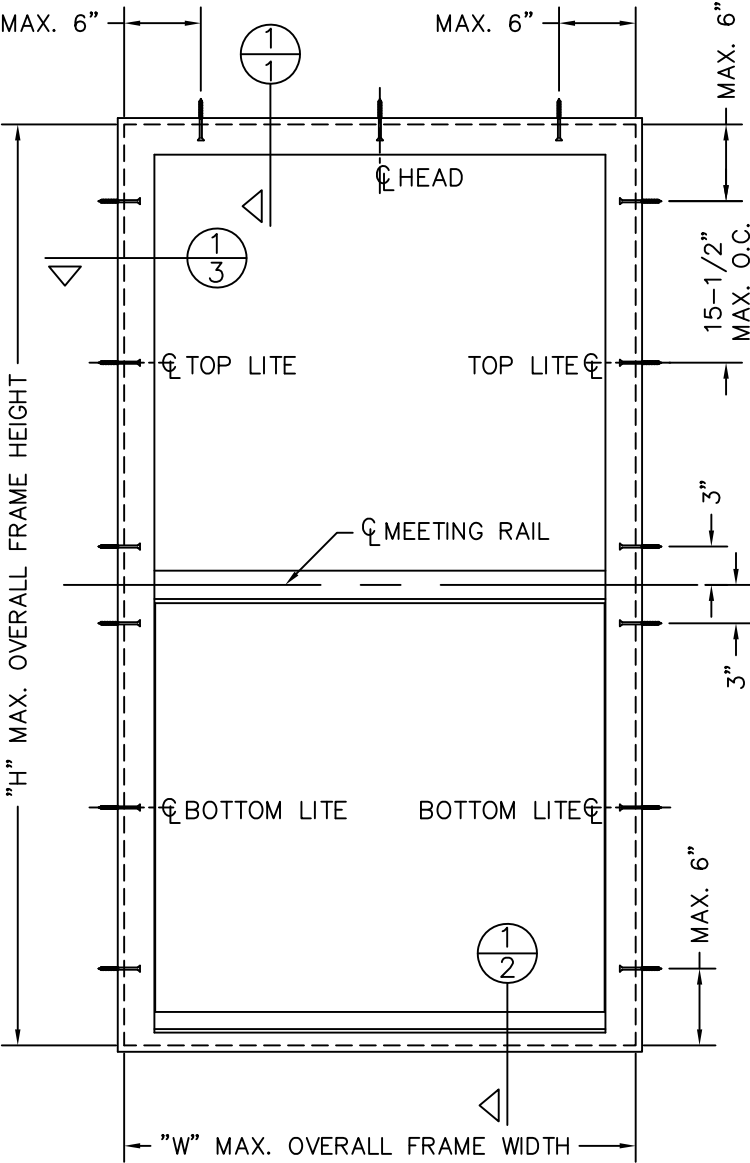
The head and side jambs are extruded PVC. The wall thickness through which the anchor screw penetrates is a minimum of 0.070".

Lucas Turner,
PE 58201
2025.07.18
15:10:44 -05'00'

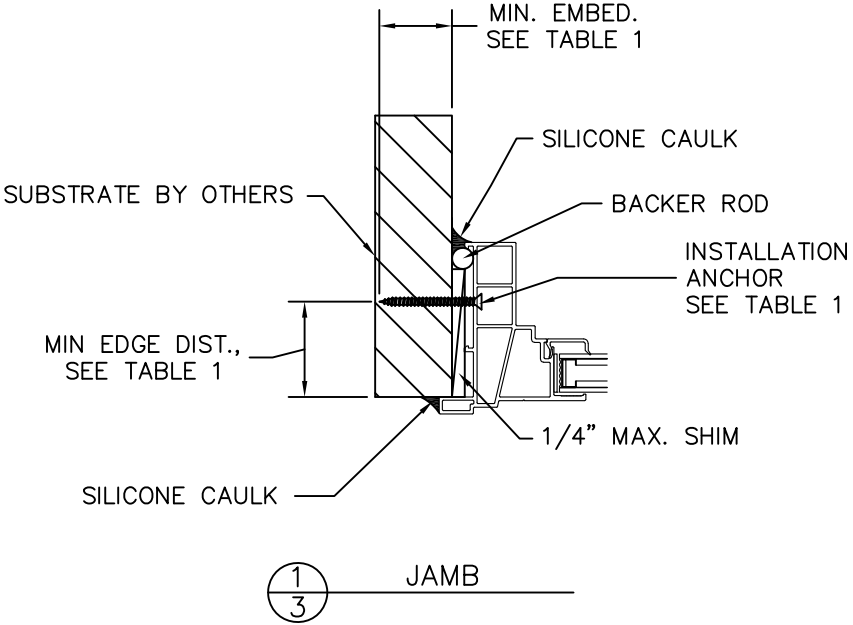
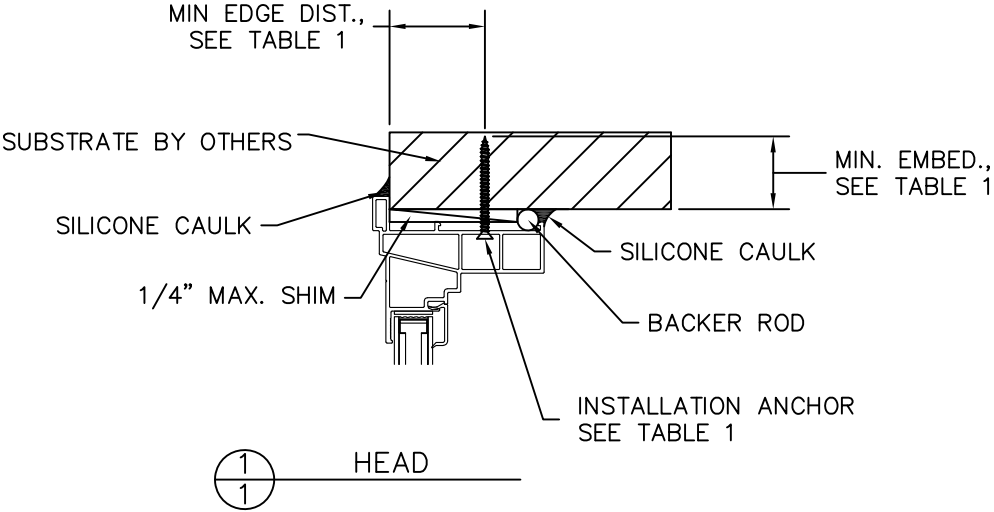
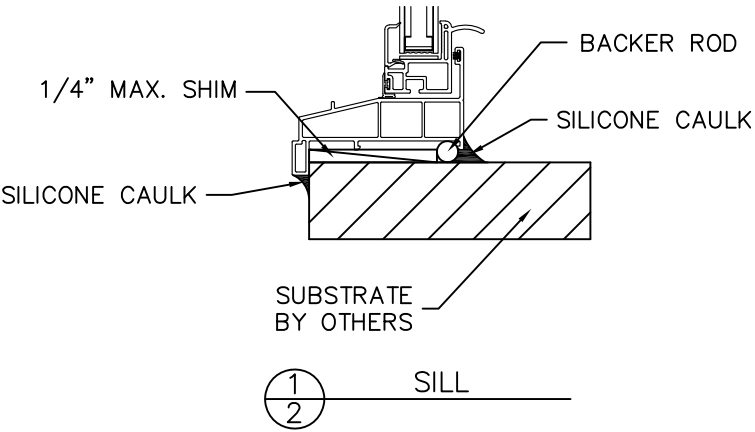


07/08/2025
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING &
CONSULTING, INC.
(COA # 29779)
2428 OLD NATCHEZ TRACE
TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

REV. #	REVISIONS:	REVISED BY:	DATE:
1	UPDATE ANCHOR NOTES	LMH	06/16/15
2	UPDATE FOR MULTIPLE SUBSTRATE TYPES	LMH	05/06/16
3	UPDATED TO 7TH EDITION (2020) FBC.	LMH	02/23/21
4	UPDATE TO CURRENT FBC	LMH	07/08/25
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SIZE CHART		
OVERALL SIZE		DP RATING
WIDTH "W"	HEIGHT "H"	
48"	80"	±25 PSF
53"	71"	±30 PSF
44"	63"	±35 PSF
48"	72"	±40 PSF
36"	63"	±45 PSF
44"	63"	
36"	76"	±50 PSF



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	RMS FINISH:				DRAWN BY: T.D.D.	DATE: 10/14/09
	ALLOY & TEMPER:				CHECKED BY:	DATE:
	WEIGHT:	VOLUME:			APPR'V'D BY:	DATE:
	SURFACE AREA:	PERIMETER:				
FINISH TREATMENT:						

4

3

2

1

MODEL DESIGNATION:

Simonton Single Hung Series 41–18 Vinyl Window

MAXIMUM OVERALL NOMINAL SIZE:

See Size Chart

DESIGN PRESSURE RATING:

See Size Chart

USABLE CONFIGURATIONS:

O

X

GENERAL DESCRIPTION:

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

LUCAS A. TURNER

LICENSE

No. 58201

STATE OF FLORIDA

PROFESSIONAL ENGINEER

07/08/2025

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

REV. #

REVISIONS:

REVISED BY:

DATE:

1

UPDATE ANCHOR NOTES

LMH

06/16/15

2

UPDATE FOR MULTIPLE SUBSTRATE TYPES

LMH

05/06/16

3

UPDATED TO 7TH EDITION (2020) FBC.

LMH

02/23/21

4

UPDATE TO CURRENT FBC

LMH

07/08/25

TABLE 1: INSTALLATION FASTENERS TABLE

ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED	MIN. EDGE DISTANCE
A	CONCRETE (3.05 KSI MIN.)	3/16” DEWALT ULTRACON+	1–3/4”	1”
B	HOLLOW OR GROUT–FILLED CMU (ASTM C90)	3/16” DEWALT ULTRACON+	1–1/4”	2–1/2”
C	2X MIN. SOUTHERN PINE WOOD (G=0.55)	3/16” DEWALT ULTRACON+	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 Cd = 1.6 WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.

14. PRODUCTS SHALL BE CONSTRUCTED AS SPECIFIED IN TEST REPORTS B8517.01-501-47-RI, B3415.01-109-47-R0, B3411.01-109-47-R0 AND B3410.01-109-14-R0 , BY ARCHITECTURAL TESTING, INC.

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

16. USE SILICONE CAULK COMPLIANT WITH AAMA 800 SECTION I - SEALANT SPECIFICATIONS FOR USE WITH ARCHITECTURAL FENESTRATION PRODUCTS.

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.

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FILE: FL 5414

MATERIAL:

RMS FINISH:

EXCEPT AS NOTED

ALLOY & TEMPER:

WEIGHT:

SURFACE AREA:

FINISH TREATMENT:

VOLUME:

PERIMETER:

Dimensional Tolerances Unless Otherwise Specified

Decimals

Angles

.X ± .03

.XX ± .01

.XXX ± .005

0° 30 min.

SIMONTON®

W I N D O W S

1 Cochrane Avenue

Pennsboro, WV 26415

SIZE:

DRAWING NO.:

REV.:

B

IN0285

4

DRAWN BY:

DATE:

T.D.D.

10/14/09

CHECKED BY:

DATE:

SCALE:

SHEET:

APPR'V'D BY:

DATE:

FIT

1 of 1

SERIES:

41–18 SINGLE HUNG

TITLE:

1X BUCK INSTALLATION

4

3

2

1