

MODEL DESIGNATION: Simonton Double Hung Series 43-40 / 43-45 Vinyl Window

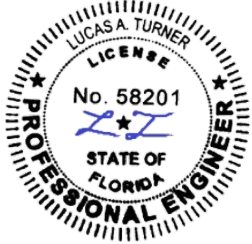
MAXIMUM OVERALL NOMINAL SIZE: See Size Chart

DESIGN PRESSURE RATING: See Size Chart

USABLE CONFIGURATIONS: X  
X

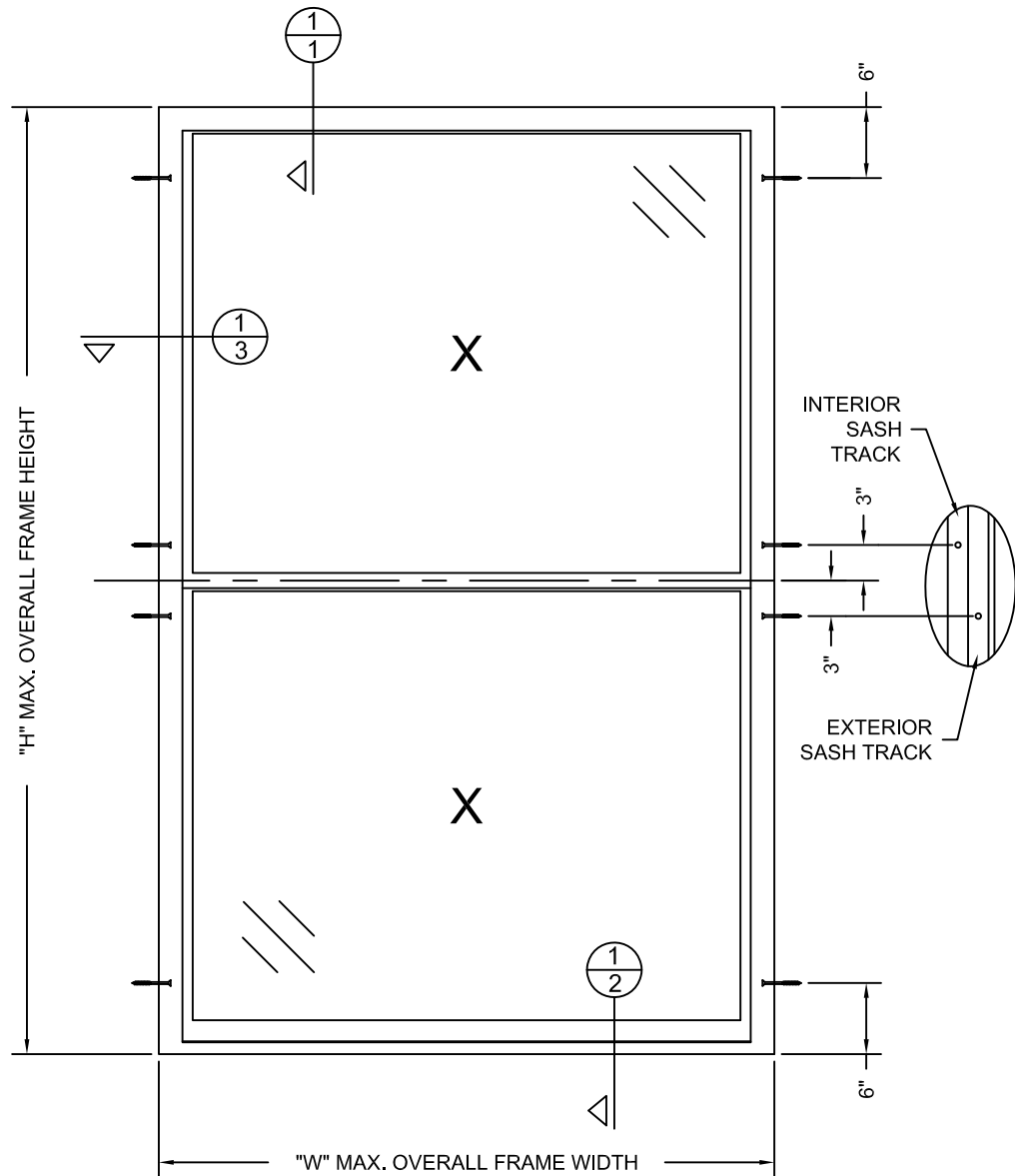
GENERAL DESCRIPTION: The head, sill, and side jambs are extruded PVC. The wall thickness through which the anchor screw penetrates is a minimum of 0.142".

Lucas Turner  
2024.07.01  
14:45:07  
-05'00'

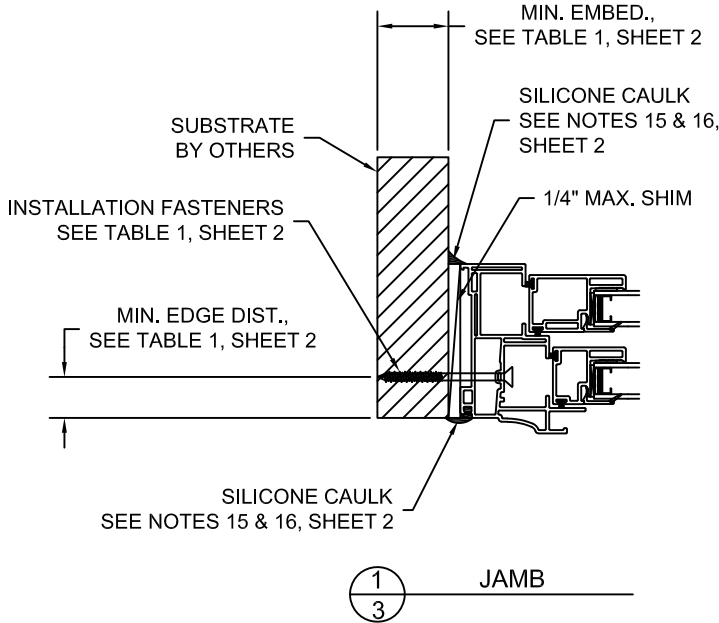
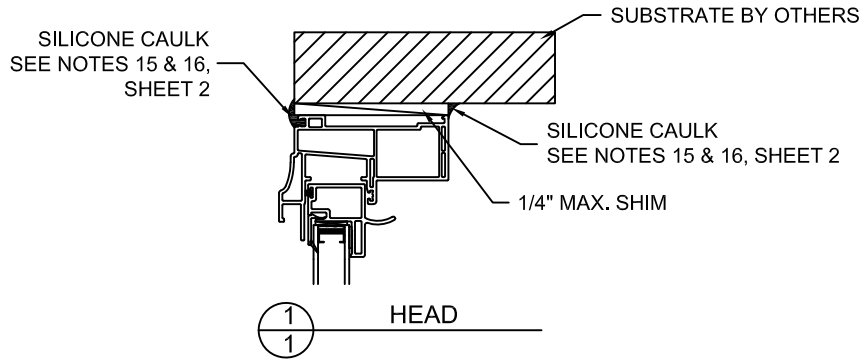
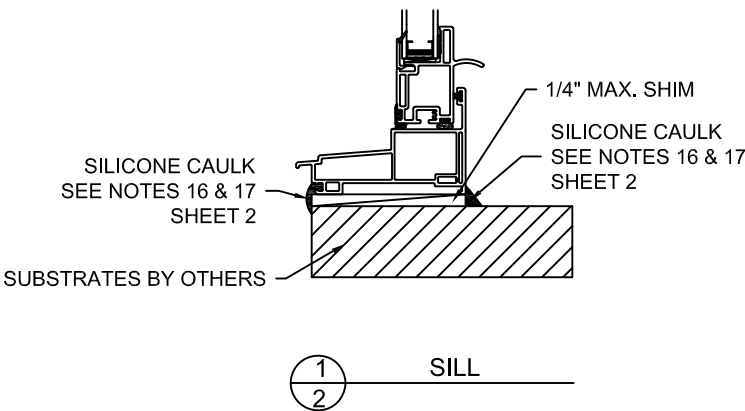


06/04/2024  
LUCAS A. TURNER, P.E.  
FL PE # 58201  
TURNER ENGINEERING &  
CONSULTING, INC.  
(COA # 29779)  
2428 OLD NATCHEZ TRACE  
TRAIL, CAMDEN, TN 38320  
PH. 941-380-1574

| REV. #: | REVISIONS:                                               | REVISED BY: | DATE:    |
|---------|----------------------------------------------------------|-------------|----------|
| 5       | ADDED PAGE 2, ALL SUBSTRATES AND AAMA 800 NOTES 15 & 16. | LMH         | 03/09/17 |
| 6       | UPDATED SIZE CHART.                                      | LMH         | 12/01/17 |
| 7       | ADDED DP25 TO SIZE CHART                                 | LMH         | 09/25/19 |
| 8       | UPDATED TO 7TH EDITION (2020) FBC                        | LMH         | 03/04/21 |
| 9       | UPDATED TO CURRENT FBC.                                  | KKB         | 06/04/24 |



| SIZE CHART   |            |           |
|--------------|------------|-----------|
| OVERALL SIZE |            | DP RATING |
| WIDTH "W"    | HEIGHT "H" |           |
| 46"          | 84"        | ±25 PSF   |
| 36"          | 72"        | ±30 PSF   |
| 44"          | 63"        | ±35 PSF   |
| 48"          | 80"        |           |
| 52"          | 71"        | ±45 PSF   |
| 36"          | 63"        |           |
| 44"          | 63"        | ±50 PSF   |
| 32"          | 62"        |           |
| 36"          | 74"        |           |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |            |                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| <div>DISCLOSURE STATEMENT</div> <p>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.</p> <div>FILE: FL5167</div> | MATERIAL:         |            | <div>Dimensional Tolerances<br/>Unless Otherwise Specified</div> <div>Decimals      Angles</div> <div>.X ± .03<br/>.XX ± .01<br/>.XXX ± .005</div> <div>0° 30 min.</div> | <div> <b>SIMONTON®</b><br/>W I N D O W S<br/>1 Cochrane Avenue<br/>Pennsboro, WV 26415</div> <div>SIZE: B      DRAWING NO.: IN0434      REV.: 9</div> <div>DRAWN BY: T.D.D.      DATE: 09/16/09</div> <div>CHECKED BY:      DATE:</div> <div>SCALE: FIT      SHEET: 1 of 2      APPRV'D BY:      DATE:</div> <div>SERIES: 43-40 / 43-45 DOUBLE HUNG</div> <div>TITLE: 1X BUCK INSTALLATION</div> |                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | RMS FINISH:       |            |                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DRAWN BY: T.D.D.      DATE: 09/16/09 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ALLOY & TEMPER:   |            |                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CHECKED BY:      DATE:               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | WEIGHT:           | VOLUME:    |                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | APPRV'D BY:      DATE:               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SURFACE AREA:     | PERIMETER: |                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FINISH TREATMENT: |            |                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                      |

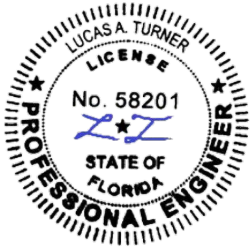
MODEL DESIGNATION: Simonton Double Hung Series 43-17 Vinyl Window

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".



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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:

- 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.
- FOR ANCHORAGE REQUIREMENTS IN VARIOUS SUBSTRATES SEE TABLE 1. A MINIMUM DISTANCE OF 3" SHALL BE MAINTAINED BETWEEN ANY TWO INSTALLATION FASTENERS.
- ALL INTERIOR AND EXTERIOR PERIMETER SURFACES OF THE WINDOW MUST BE CAULKED.
- ANCHOR TYPE, SIZE, SPACING, EMBEDMENT, AND EDGE DISTANCE SHALL BE AS SPECIFIED IN THESE DRAWINGS.
- 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.
- WOOD OR MASONRY OPENINGS, BUCKS, AND BUCK FASTENERS, BY OTHERS, SHALL BE PROPERLY DESIGNED AND INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
- 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.
- 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.
- WHEN USED IN AREAS REQUIRING IMPACT PROTECTION, THIS PRODUCT REQUIRES THE USE OF APPROVED IMPACT RESISTANT SHUTTERS OR OTHER EXTERNAL PROTECTION.
- 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.
- GLAZING SHALL COMPLY WITH ASTM E 1300.
- 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.
- A WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.
- PRODUCTS SHALL BE CONSTRUCTED AS SPECIFIED IN TEST REPORTS D2310.01-501-47, C3526.01-501-47 AND C3522.01-501-47 BY ARCHITECTURAL TESTING, INC - SPRINGDALE, PA AND C5630.01-109-47 AND C2276.01-109-47 BY ARCHITECTURAL TESTING, INC - YORK, PA.
- DESIGNATION "X" IS FOR OPERABLE PANEL AND "O" IS FOR FIXED PANEL
- 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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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RMS FINISH:       |            |                                                                                                                                                                          |                                                                                                                                                                                                                   | DRAWN BY: LMH      DATE: 03/09/17             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EXCEPT AS NOTED   |            |                                                                                                                                                                          |                                                                                                                                                                                                                   | CHECKED BY:      DATE:                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ALLOY & TEMPER:   |            |                                                                                                                                                                          |                                                                                                                                                                                                                   | APPRVD BY:      DATE:                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | WEIGHT:           | VOLUME:    |                                                                                                                                                                          |                                                                                                                                                                                                                   |                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SURFACE AREA:     | PERIMETER: |                                                                                                                                                                          |                                                                                                                                                                                                                   |                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | FINISH TREATMENT: |            |                                                                                                                                                                          |                                                                                                                                                                                                                   |                                               |