

MODEL DESIGNATION: Simonton Endvent Series 43–35 / 43–40 Vinyl Window

MAXIMUM OVERALL NOMINAL SIZE: Single up to 84" x 36"

DESIGN PRESSURE RATING: See Size Chart

USABLE CONFIGURATIONS: XOX

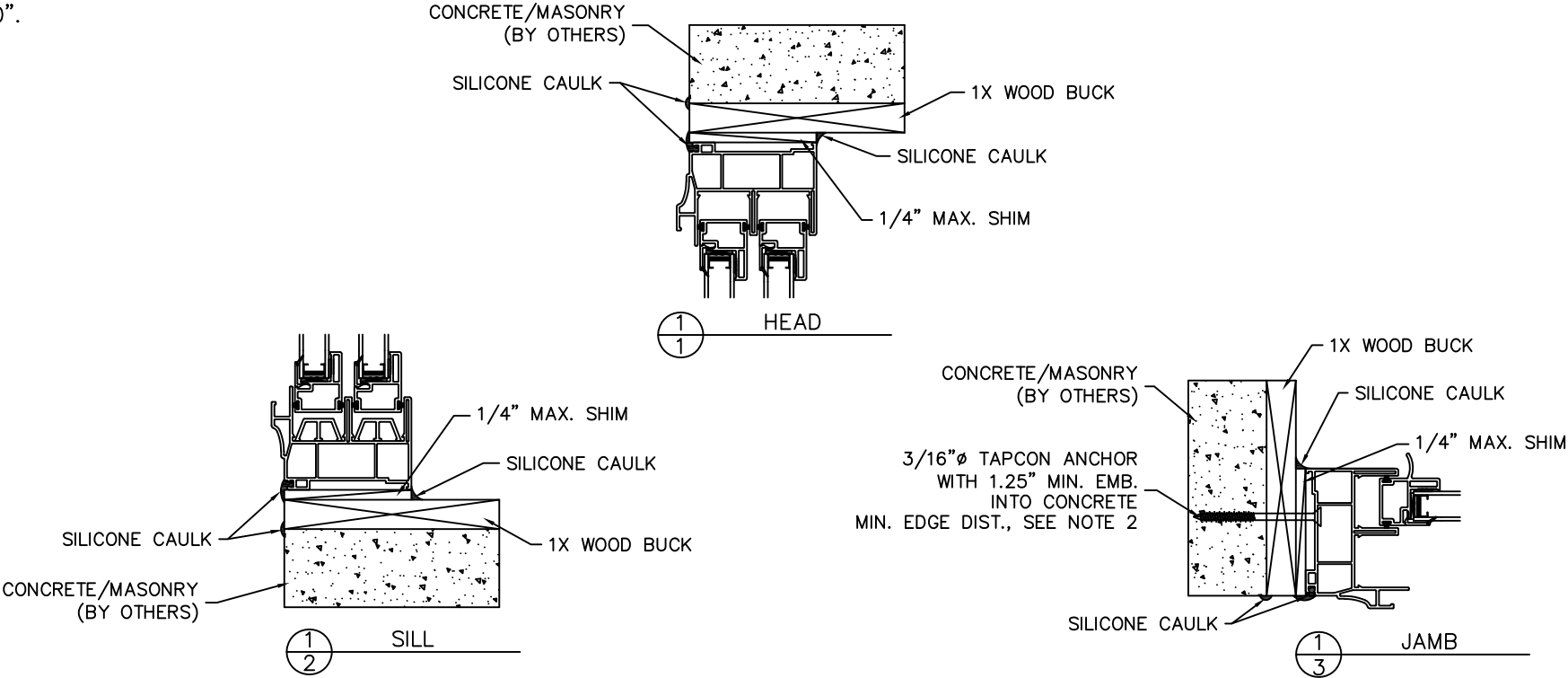
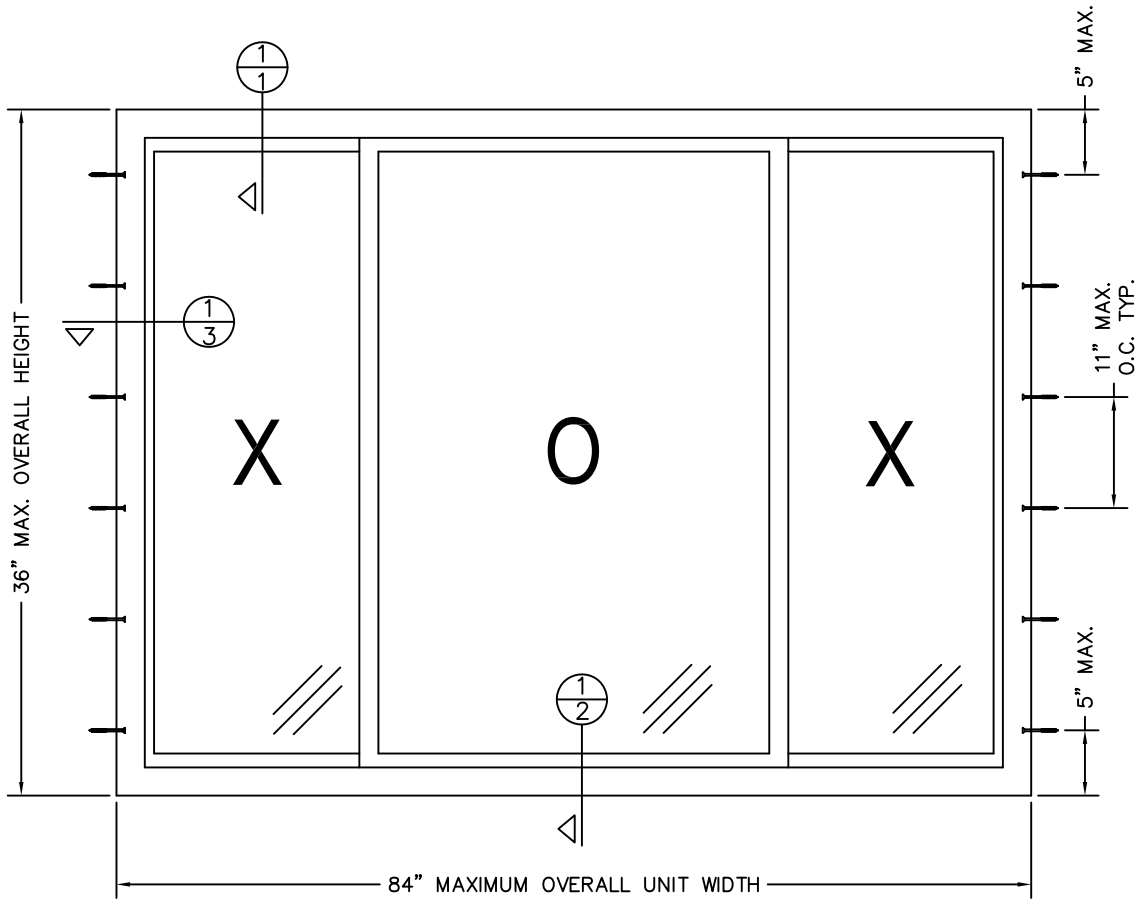
GENERAL DESCRIPTION: The head, sill, and side jambs are extruded PVC. The wall thickness through which the anchor screw penetrates is a minimum of 0.070".

Lucas Turner,
PE 58201
2024.08.30
11:03:53 -05'00'



8/19/2024
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:
6	UPDATED SIZES PER NEW TESTING.	T.D.D.	03/20/14
7	ADDED MIN. EDGE DIST. NOTE.	B.J.S.	06/19/15
8	ADDED NOTES 16, 18 & 19–AAMA 800	LMH	11/27/17
9	UPDATED TO 7TH EDITION (2020) FBC	LMH	02/18/21
10	UPDATED TO CURRENT FBC	LMH	08/19/24



- NOTES:
- THIS INSTALLATION HAS BEEN EVALUATED FOR USE IN LOCATIONS ADHERING TO THE CURRENT FLORIDA BUILDING CODE AND WHERE DESIGN PRESSURE REQUIREMENTS AS DETERMINED BY ASCE 7 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES DO NOT EXCEED THE DESIGN PRESSURE RATINGS LISTED HEREIN, FOR USE OUTSIDE THE H.V.H.Z.
 - FOR INSTALLATION WHERE THE SUB-BUCK IS LESS THAN 1 1/2" (FBC CHAPTER 17 ANCHORAGE METHODS) TAPCON TYPE CONCRETE ANCHORS MUST BE USED AND THE LENGTH MUST BE SUCH THAT A MINIMUM 1 1/4" EMBEDMENT OF THE TAPCON INTO THE CONCRETE OR CONCRETE BLOCK IS OBTAINED, UNLESS OTHERWISE NOTED. ANCHORS SHOULD BE A MINIMUM OF 2 1/2" FROM THE EDGE OF THE CONCRETE, HOLLOW BLOCK CMU, OR CONCRETE BLOCK.
 - ALL INTERIOR AND EXTERIOR PERIMETER SURFACES OF THE WINDOW MUST BE CAULKED.
 - ADJUST TAPCON ANCHOR LOCATIONS, IF NECESSARY, TO MAINTAIN A MINIMUM OF 2.0" CLEARANCE FROM MORTAR JOINTS.
 - WHEN THE OPTIONAL HEAD EXPANDERS ARE USED, THE INSTALLER MUST ADJUST THE ANCHOR LENGTHS TO MAINTAIN THE REQUIRED MINIMUM EMBEDMENT INTO THE SUBSTRATE.
 - ANCHORS SHALL BE SPECIFIED AND SPACED AS SHOWN. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO AND INTO WOOD OR CONCRETE.
 - WOOD BUCKS (BY OTHERS) MUST BE ENGINEERED AND ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE. BUCKS SHALL EXTEND TO INTERIOR FACE OF FRAME SUCH THAT FULL SUPPORT OF THE FRAME IS PROVIDED.
 - FOLLOW ITW/ELCO TAPCON ANCHORING INSTRUCTIONS.
 - 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.
 - A. CONCRETE COMPRESSIVE STRENGTH = 3000 PSI AT 28 DAYS.
B. CONCRETE MASONRY UNITS SHALL CONFORM WITH STRENGTH REQUIREMENTS OF ASTM C90.
C. WOOD MINIMUM SPECIFIC GRAVITY = 0.55
 - SHIMS ARE OPTIONAL. MAX. SHIM STACK IS 1/4".
 - WHEN USING A 3/16"Ø TAPCON THROUGH THE WINDOW FRAME, PRE-DRILL THE THRU HOLE AT SPECIFIED INSTALLATION SCREW LOCATIONS.
 - WHEN USED IN AREAS REQUIRING IMPACT PROTECTION, THIS PRODUCT REQUIRES THE USE OF APPROVED IMPACT RESISTANT SHUTTERS OR OTHER EXTERNAL PROTECTION.
 - FLASHING SHOULD BE APPLIED USING THE ASTM E 2112 METHOD APPROPRIATE FOR THE OPENING INTO WHICH THE WINDOW IS BEING INSTALLED.
 - GLAZING SHALL COMPLY WITH ASTM E 1300 ACCORDING TO THE FLORIDA BUILDING CODE.
 - PRODUCTS SHALL BE CONSTRUCTED AS SPECIFIED IN TEST REPORTS ATI-B6474.01-109-47-R0 AND ATI-D3257.01-501-47-R0.
 - DESIGNATION "X" AND "O" STAND FOR THE FOLLOWING: X: OPERABLE PANEL O: 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.

SIZE CHART		
OVERALL SIZE		DP RATING
WIDTH "W"	HEIGHT "H"	
84"	36"	±35 PSF ±40 PSF

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FILE: FL 5179

MATERIAL:

RMS FINISH:

EXCEPT AS NOTED

ALLOY & TEMPER:

WEIGHT:

VOLUME:

SURFACE AREA:

PERIMETER:

FINISH TREATMENT:

Dimensional Tolerances
Unless Otherwise Specified

Decimals

Angles

.X ± .03

.XX ± .01

.XXX ± .005

0° 30 min.



SIZE: DRAWING NO.:
B IN0146

DRAWN BY: T.D.D. DATE: 10/24/07

CHECKED BY: DATE:

SCALE: FIT

SHEET: 1 of 1

APPRV'D BY: DATE:

SERIES: 43–35 / 43–40 ENDVENT SLIDER

TITLE: 1X BUCK INSTALLATION