

MODEL DESIGNATION:

Simonton Single Hung Series 43-17 Vinyl Window

Lucas Turner, PE

MAXIMUM OVERALL NOMINAL SIZE:

See Size Chart

58201

DESIGN PRESSURE RATING:

See Size Chart

2025.07.18 15:09:52

USABLE CONFIGURATIONS:

O O
X X

-05'00'

GENERAL DESCRIPTION:

The head, sill, and side jams are extruded PVC. The wall thickness through which the anchor screw penetrates is a minimum of 0.120".

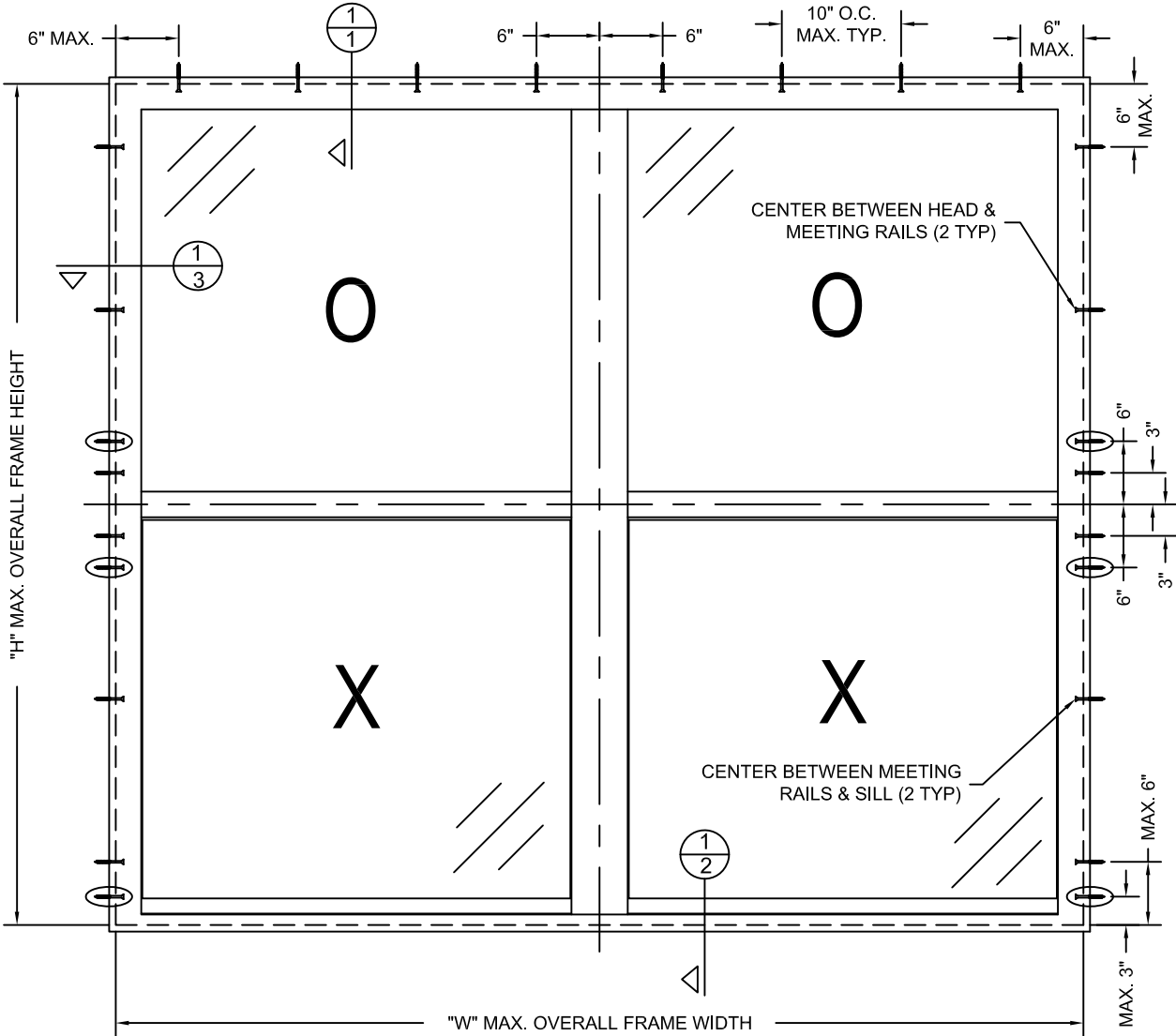
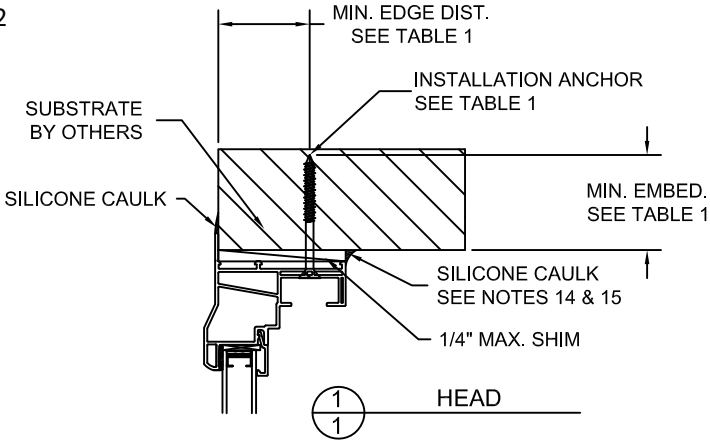


TABLE 1: INSTALLATION FASTENERS TABLE

ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED	MIN. EDGE DISTANCE
A	CONCRETE (3.05 KSI MIN.)	3/16" DEWALT ULTRAACON+	1-3/4"	1"
B	HOLLOW OR GROUT-FILLED CMU (ASTM C90)	3/16" DEWALT ULTRAACON+	1-1/4"	2-1/2"
C	2X MIN. SOUTHERN PINE WOOD (G=0.55)	3/16" DEWALT ULTRAACON+	1-3/8"	7/8"
D	2X MIN. SOUTHERN PINE WOOD (G=0.55)	#10 WOOD SCREW	1-3/8"	7/8"
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"

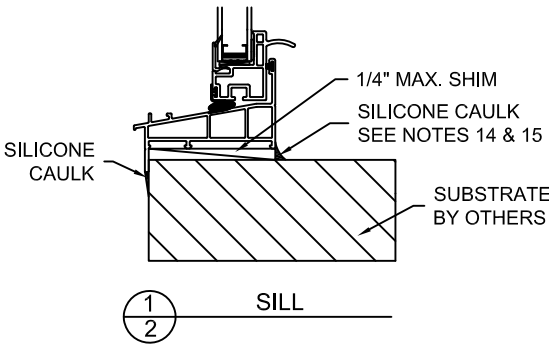
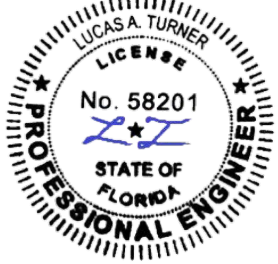


SIZE CHART			
OVERALL SIZE		CIRCLED ANCHOR LOCATIONS REQUIRED?	DP RATING
WIDTH "W"	HEIGHT "H"		
89"	63"	NO	±30 PSF
73"	63"	NO	±35 PSF
73"	74"	YES	±45 PSF

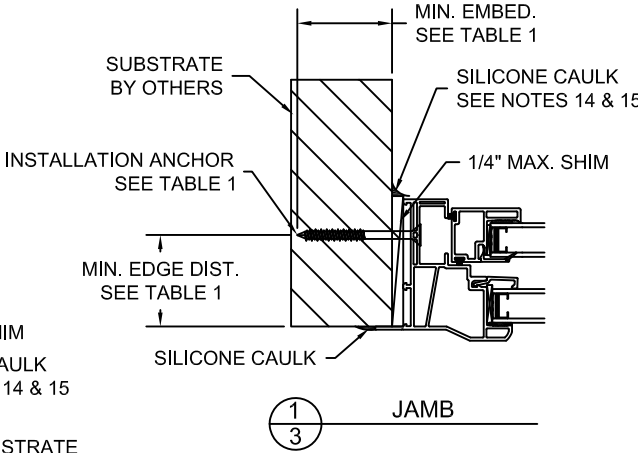
NOTES:

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. WHEN USED IN AREAS REQUIRING IMPACT PROTECTION, THIS PRODUCT REQUIRES THE USE OF APPROVED IMPACT PROTECTIVE DEVICES (SHUTTERS).
3. ANCHOR TYPE, SIZE, SPACING, EMBEDMENT, AND EDGE DISTANCE SHALL BE AS SPECIFIED IN THESE DRAWINGS. USE APPROPRIATE ANCHORAGE FROM TABLE I ACCORDING TO SUBSTRATE TYPE. A MINIMUM CENTER-TO-CENTER SPACING OF 3" SHALL BE MAINTAINED BETWEEN ALL INSTALLATION FASTENERS IN ANY DIRECTION.
4. 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.
5. WOOD, METAL, OR MASONRY OPENINGS, BUCKS, AND BUCK FASTENERS, BY OTHERS, SHALL BE PROPERLY DESIGNED AND INSTALLED BY OTHERS TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. ADEQUACY OF THE STRUCTURE TO RECEIVED THESE LOADS SHALL BE VERIFIED BY THE CONTRACTOR OR AUTHORITY HAVING JURISDICTION (AHJ).
6. IT IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD OR AS APPROVED BY THE AHJ TO SELECT PLY GEM PRODUCTS TO MEET ALL APPLICABLE LOCAL LAWS, BUILDING CODES, ORDINANCES, OR OTHER SAFETY REQUIREMENTS FOR EACH INSTALLATION.
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. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS USING ASTM E 2112 AND IS NOT ADDRESSED BY THIS DOCUMENT.
9. INSTALLED GLAZING SHALL COMPLY WITH ASTM E 1300.
10. 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.
11. A WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.
12. PRODUCTS SHALL BE CONSTRUCTED AS SPECIFIED IN TEST REPORTS ARCHITECTURAL TESTING, INC. C0828.01-I09-47-R0 & C6578.01-I09-47-R0.
13. DESIGNATION "X" IS FOR OPERABLE PANEL AND "O" IS FOR FIXED PANEL
14. USE SILICONE CAULK COMPLIANT WITH AAMA 800 - SEALANT SPECIFICATIONS FOR USE WITH ARCHITECTURAL FENESTRATION PRODUCTS.
15. 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.

07/09/2025
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING &
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REV. #:	REVISIONS:	REVISED BY:	DATE:
1	UPDATED NOTES, GENERAL DESCRIPTION, AND SIZE CHART.	T.D.D.	03/03/10
2	ADDED NOTES 15 & 16.	T.D.D.	11/30/11
3	ADDED TABLE 1 & UPDATED NOTES.	LMH	09/12/18
4	UPDATED TO 7TH EDITION (2020) FBC.	LMH	03/03/21
5	UPDATED TO CURRENT FBC.	LMH	07/09/25



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	RMS FINISH:				DRAWN BY: T.D.D.	DATE: 02/20/08	
	ALLOY & TEMPER:				CHECKED BY:	DATE:	
	WEIGHT:	VOLUME:					
	SURFACE AREA:	PERIMETER:					
	FINISH TREATMENT:						