

MODEL DESIGNATION: Simonton Series 15–15 4–Panel Vinyl Patio Door

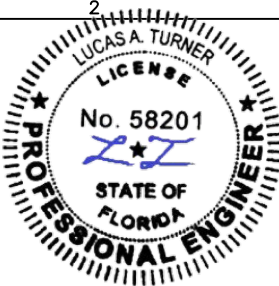
MAXIMUM OVERALL NOMINAL SIZE: Single up to 143” x 79”

DESIGN PRESSURE RATING: Positive: 25.0 PSF
Negative: 25.0 PSF

USABLE CONFIGURATIONS: OXXO

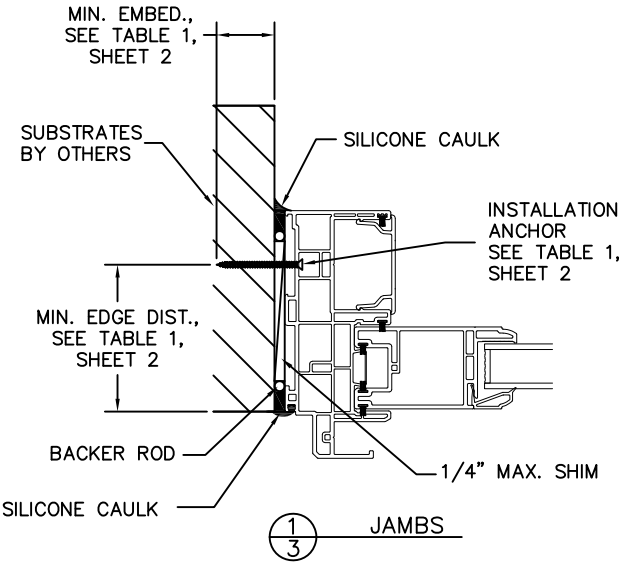
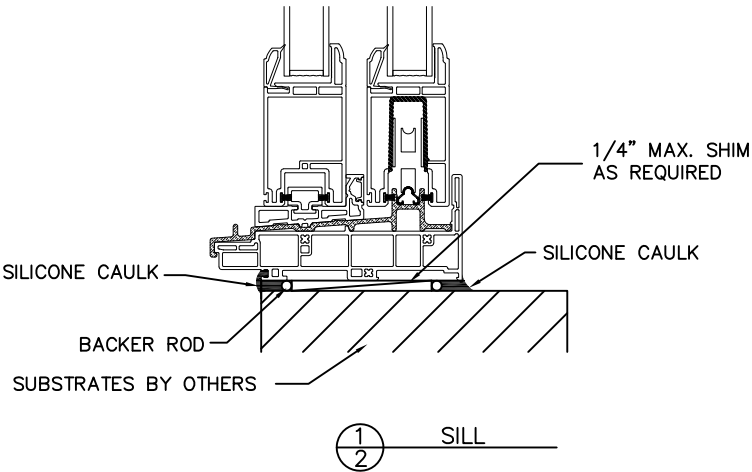
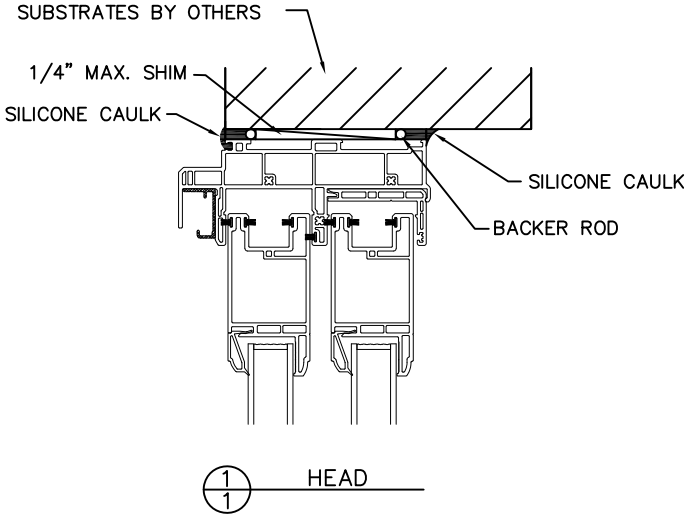
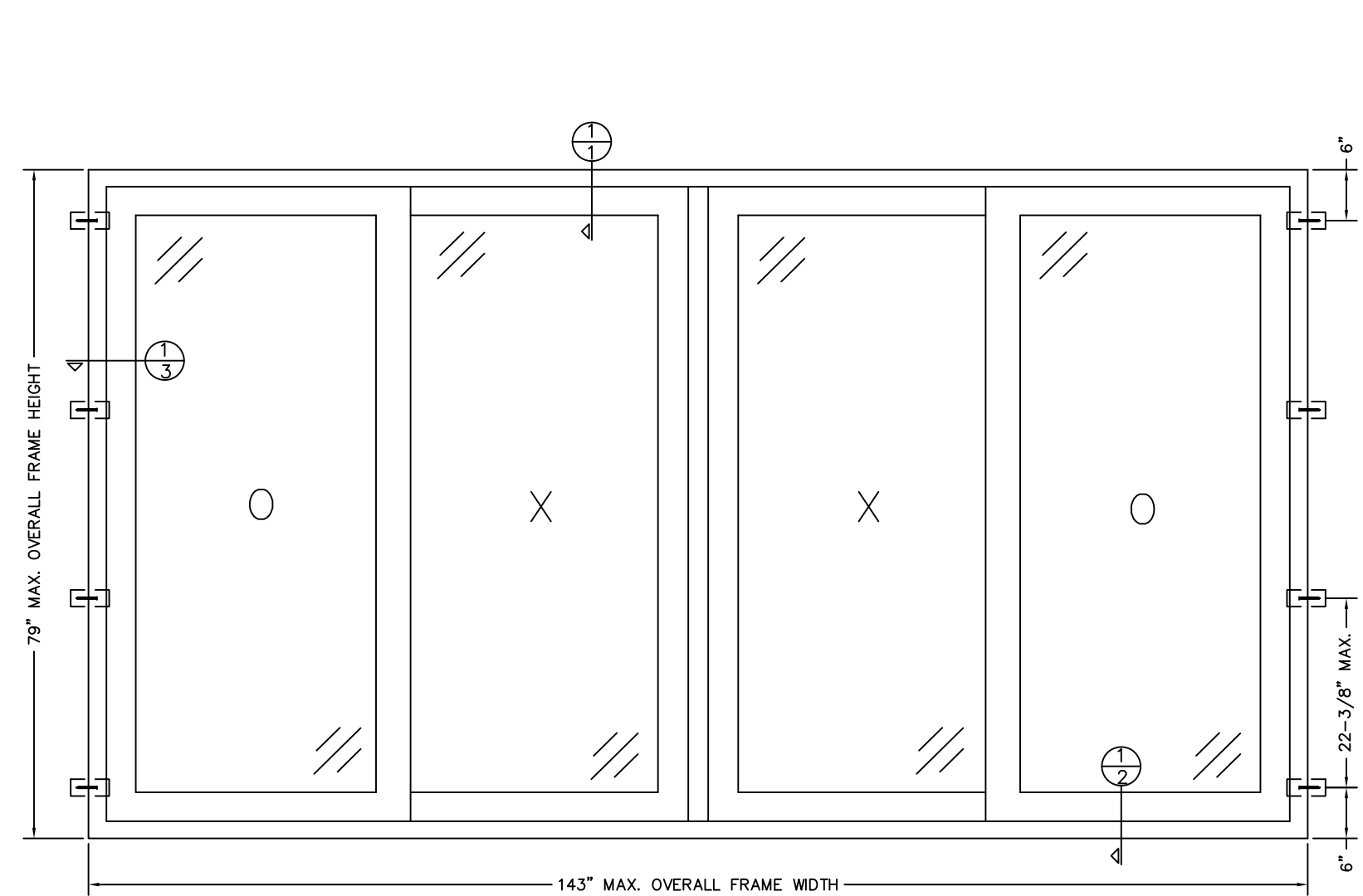
GENERAL DESCRIPTION: The head, sill, and side jambs are extruded PVC. The wall thickness through which the anchor screw penetrates is a minimum of 0.070”.

Lucas Turner,
PE 58201
2025.06.10
12:08:25
-05'00'



05/22/2025
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	UPDATED NOTES 11 & 15.	LMH	11/09/17
2	UPDATED FOR 7TH EDITION (2020) FBC	LMH	03/23/21
3	UPDATED TO CURRENT FBC	LMH	05/22/25
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☐ INSTALLATION HOLE PRE-DRILLED BY MANUFACTURER

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Simonton Series 15–15 4–Panel Vinyl Patio Door

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OXXO

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05/22/2025

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

LUCAS A. TURNER

LICENSE

No. 58201

STATE OF FLORIDA

PROFESSIONAL ENGINEER

REV. #:	REVISIONS:	REVISED BY:	DATE:
1	UPDATED NOTES 11 & 15.	LMH	11/09/17
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TABLE 1: INSTALLATION FASTENERS TABLE

ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED	MIN. EDGE DIST.
A	CONCRETE (2 KSI MIN.)	3/16” ITW TAPCON	1–1/2”	1–1/8”
B	HOLLOW OR GROUT–FILLED CMU (117 PCF MIN.)	3/16” ITW TAPCON	1”	2”
C	2X MIN. SOUTHERN PINE WOOD (G=0.55)	3/16” ELCO ULTRACON+	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”

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 ANCHORING TO SOLID UNCRACKED CONCRETE (MIN. COMPRESSIVE STRENGTH OF 2000 PSI), USE 3/16" ITW TAPCONS WITH 1-1/2" MIN. EMBEDMENT AND 1-1/8" MIN. EDGE DISTANCE. FOR ANCHORING TO UNCRACKED HOLLOW OR GROUT-FILLED CONCRETE MASONRY UNITS (CONFORMING WITH STRENGTH REQUIREMENTS OF ASTM C90, 117 PCF MIN. DENSITY), USE 3/16" ITW TAPCONS WITH 1" MIN. EMBEDMENT AND 2" MIN. EDGE DISTANCE. A MINIMUM CENTER-TO-CENTER SPACING OF 3" SHALL BE MAINTAINED BETWEEN ALL ITW TAPCONS IN ANY DIRECTION. FOR ANCHORING TO WOOD (SOUTHERN PINE OR G=0.55 MIN.), USE #10 WOOD SCREWS WITH 1-3/8" MIN.EMBEDMENT AND 7/8" MIN. EDGE DISTANCE.

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 SIMO-011-03-04 BY PRI CONSTRUCTION MATERIAL TECHNOLOGIES, LLC.

15. USE PURE SILICONE CAULK COMPLIANT WITH AAMA 808 - SEALANT SPECIFICATIONS FOR USE WITH ARCHITECTURAL FENESTRATION PRODUCTS. AT TIME OF APPLICATION OF SILICONE MAKE SURE SURFACES ARE COMPLETELY FREE FROM ALL OLD CAULK, DAMAGED WOOD, WOOD FIBERS, GREASE, OIL DIRT, RUST, MOLD OR SIMILAR CONTAMINANTS. FOR MORE DETAILS SEE SIMONTON.COM

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 AND MAKE FULL CONTACT WITH BOTH THE NEW WINDOW AND STRUCTURAL OPENING SURFACES.

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

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FILE: FL 7612

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.:

B

IN0583

REV.:

3

DRAWN BY:

LMH

DATE:

11/18/15

CHECKED BY:

DATE:

SCALE:

FIT

SHEET:

2 of 2

APPR'V'D BY:

DATE:

SERIES:

15–15 4–PANEL PATIO DOOR

TITLE:

MULTIPLE SUBSTRATE INSTALLATION INSTRUCTIONS

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