



Product Approval
USER: Public User

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FL #
Application Type
Code Version
Application Status

FL5167-R33
Affirmation
2020
Approved

5167.15

*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

Comments
Archived



Product Manufacturer
Address/Phone/Email

Simonton/Ply Gem Windows
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Cary, NC 27513
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Authorized Signature

Luanne Harris
luanne.harris@cornerstone-bb.com

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Address/Phone/Email

AAMA
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Suite 550
Schaumburg, IL 60173
(847) 303-5664
webmaster@aamanet.org

Category
Subcategory

Windows
Double Hung

Compliance Method

Certification Mark or Listing

Certification Agency
Validated By

American Architectural Manufacturers Association
American Architectural Manufacturers Association

Referenced Standard and Year (of Standard)

Standard	Year
AAMA 450	2010
AAMA/WDMA/CSA 101/I.S.2 A440	2011
AAMA/WDMA/CSA 101/I.S.2 A440	2008

Equivalence of Product Standards
Certified By

		Evaluation Reports Created by Independent Third Party:
5167.13	43-40 and 43-45	Reflections 5050, Reflections 5300, 6100 VantagePointe, PerfeXion Gold Vinyl Double Hung
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 36x72 (+/-30 PSF), 52x71 (+/-35 PSF), 48x80 (+/-35 PSF), 36x63 (+/-45 PSF), 44x63 (+/-45 PSF), 32x62 (+/-50 PSF), 36x74 (+/-50 PSF), 46x84 (+/-25)		Certification Agency Certificate FL5167 R33 C CAC 43-40 DH 32x62 R50.pdf FL5167 R33 C CAC 43-40 DH 36x63 R45.pdf FL5167 R33 C CAC 43-40 DH 36x72 R30.pdf FL5167 R33 C CAC 43-40 DH 36x74 R50.pdf FL5167 R33 C CAC 43-40 DH 44x63 R PG45.pdf FL5167 R33 C CAC 43-40 DH 44x63 R35.pdf FL5167 R33 C CAC 43-40 DH 46x84 R PG25.pdf FL5167 R33 C CAC 43-40 DH 48x80 R35.pdf FL5167 R33 C CAC 43-40 DH 52x71 R35.pdf FL5167 R33 C CAC 43-45 DH 52x71 R35.pdf FL5167 R33 C CAC 43-45 waiver to 43-40.pdf Quality Assurance Contract Expiration Date 09/12/2021 Installation Instructions FL5167 R33 II IN0432b 43-40 43-45 DH-2X.pdf FL5167 R33 II IN0434-R7 43-30 43-45 DH-1X.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports FL5167 R33 AE EvalReport-IN0434-R7.pdf Created by Independent Third Party: Yes
5167.14	43-50 (Three-Step Sill)	6100 VantagePointe, Asure, PerfeXion Silver Vinyl Double Hung
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 52x71 (+/-35 PSF), 36x63 (+/-45 PSF), 44x63 (+/-45 PSF), 32x62 (+/-50 PSF), 36x74 (+/-50 PSF)		Certification Agency Certificate FL5167 R33 C CAC 43-50 DH 32x62 R50 (ext).pdf FL5167 R33 C CAC 43-50 DH 36x63 R45 (ext).pdf FL5167 R33 C CAC 43-50 DH 36x74 R50 (ext).pdf FL5167 R33 C CAC 43-50 DH 44x63 R45 (ext).pdf FL5167 R33 C CAC 43-50 DH 52x71 R35 (ext).pdf Quality Assurance Contract Expiration Date 01/25/2021 Installation Instructions FL5167 R33 II IN0432 43-50 DH 2X.pdf FL5167 R33 II IN0569-R3 43-50 DH 1X.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports FL5167 R33 AE EvalReport-IN0569-R3.pdf Created by Independent Third Party: Yes
5167.15	75-75, 75-09, 07-75, 07-09, 07-10 and 07-20	Reflections 5500, Generations, Impressions 9800, 6500 VantagePointe, PerfeXion Platinum Vinyl Double Hung
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 48x80 (+/-25 PSF), 53x74 (+/-30 PSF), 48x80 (+/-35 PSF), 52x71 (+/-35 PSF), 53x80 (+/-40 PSF), 36x63 (+/-50 PSF), 36x74 (+/-50 PSF), 36x72 (+/-55)		Certification Agency Certificate FL5167 R33 C CAC 07-75 DH 48x80 R PG35.pdf FL5167 R33 C CAC 07-75 DH 53x74 R PG30.pdf FL5167 R33 C CAC 07-75 DH 53x80 R-PG40.pdf FL5167 R33 C CAC 75-75 DH 36x63 R PG50.pdf FL5167 R33 C CAC 75-75 DH 36x72 R PG55.pdf FL5167 R33 C CAC 75-75 DH 36x74 LC50.pdf FL5167 R33 C CAC 75-75 DH 48x80 LC PG25.pdf FL5167 R33 C CAC 75-75 DH 52x71 R PG35.pdf FL5167 R33 C CAC ACP-05 SIM 07-75 DH HS PW frame 07-09.pdf FL5167 R33 C CAC ACP-05 SIM 75-75, 07-09, 07-75, 07-09, 75-10, 75-20 DH frame.pdf Quality Assurance Contract Expiration Date 09/13/2021 Installation Instructions FL5167 R33 II IN0113 75-75 75-09 07-75 07-09 07-10 07-20 DH 2X.pdf FL5167 R33 II IN0132-R11 75-75 75-09 07-75 07-09 07-10 07-20 DH 1X.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports FL5167 R33 AE EvalReport-IN0132-R11.pdf Created by Independent Third Party: Yes
5167.16	75-75, 75-09, 07-75, 07-09, 07-10 and 07-20	Reflections 5500, Generations, Impressions 9800, 6500 VantagePointe, PerfeXion Platinum Double Hung H-Mulled Triple
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes		Certification Agency Certificate FL5167 R33 C CAC 07-09-10-20 and 08-09-10-20 Waiver.pdf

MODEL DESIGNATION: Simonon Double Hung Series 75-75 / 07-75 / 75-09 / 07-09 / 07-10 / 07-20 Vinyl Window

MAXIMUM OVERALL NOMINAL SIZE: See Size Chart

DESIGN PRESSURE RATINGS: See Size Chart

USABLE CONFIGURATIONS: See Size Chart

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

Lucas Turner
2020.04.15
14:18:39
-05'00'

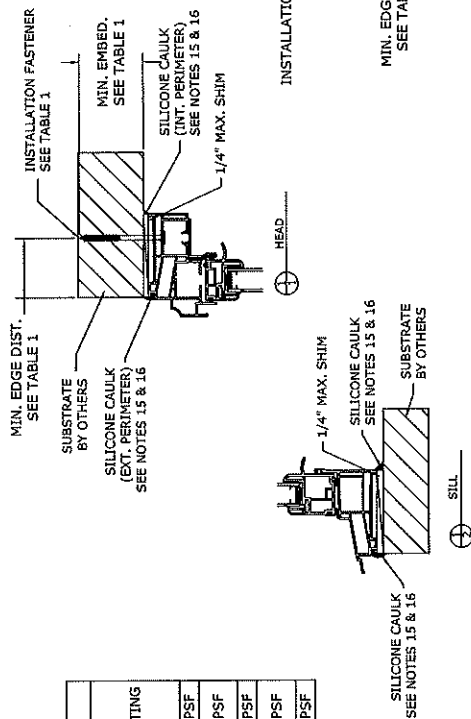
4/15/2020
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING &
CONSULTING, INC.
(COA # 28779) PRC TRL
2428 OLD NORTON RD
CAUDEN, NJ 08020
PH. 941-380-1574

722

PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 58201
LUCAS A. TURNER, P.E.

REV.	REVISIONS:	DATE:
7	ADDED NOTES 15 & 16.	11/28/11
8	ADDED MIN. EDGE DIST. NOTE.	06/18/15
9	ADDED MULTIPLE SUBSTRATES & SHEET 2.	09/12/17
10	ADDED ANCHOR REQUIREMENTS TO SIZE CHART.	09/12/17
11	ADDED DRSS TO SIZE CHART.	04/11/18

SIZE CHART		
OVERALL SIZE	CIRCLED ANCHOR LOCATIONS REQUIRED?	DP RATING
WIDTH "W"		
HEIGHT "H"		
48"	NO	±25 PSF
48"	NO	±35 PSF
52"	NO	±40 PSF
52"	YES	±40 PSF
56"	NO	±50 PSF
56"	NO	±50 PSF
60"	YES	±55 PSF



NOTES

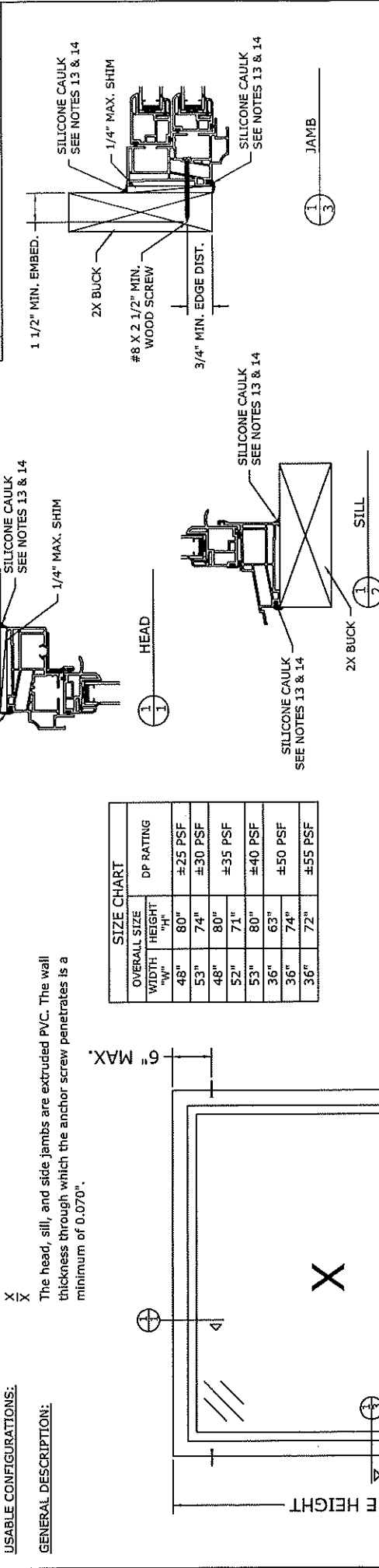
- This installation has been evaluated for use in locations adhering to the Florida Building Code outside the HVHZ, and where pressure requirements as determined by ASCE 7 Minimum Design Loads for Buildings and Other Structures do not exceed the design pressure ratings herein.
- All interior and exterior perimeter surfaces of the window must be caulked.
- Anchor type, size, spacing, embedment, and edge distance shall be as specified in these drawings. Use appropriate anchorage from Table 1 according to substrate type. A minimum center-to-center spacing of 3" shall be maintained between all Elco Ultracons in any direction.
- 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 Simonon 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 ATI-A6989.01-501-47, ATI-C9020.01-501-47, ATI-D2914.01-109-47, ATI-D2916.01-109-47, ATI-C2266.01-109-47 AND ATI-D0300.01-501-47-R0.
- Designation "X" and "O" stand for the following: X: Operable Panel - O: Fixed Panel.
- Use 100% pure silicone caulk compliant with AAMA 800 Section 1 - Sealant Specifications for use with Architectural Fenestration Products. For more details visit Simonon.com.
- 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.

TABLE 1: INSTALLATION FASTENERS TABLE

ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED DISTANCE	MIN. EMBED DISTANCE
A	CONCRETE (2 KSI MIN.)	3/16" ITW TAPCON	1-1/2"	2"
B	HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	1"	2"
C	2X MIN. SOUTHERN PINE WOOD (6-0.55)	3/16" ITW TAPCON	1-3/8"	7/8"
D	2X MIN. SOUTHERN PINE WOOD (10-0.60)	#10 WOOD SCREW	1-3/8"	7/8"
E	1/2" CALDER (0.60) MIN. STEEL (33KSI YIELD MIN.)	#10-16 ITW TAPS	1-3/8"	7/8"
F	1/8" ALUM. 6063-T5 MIN. OR 1/8" STEEL 36 KSI MIN.	#10-16 ITW TAPS	1-3/8"	7/8"

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FINISH TREATMENT: 1X BUCK INSTALLATION		FINISH TREATMENT: 1X BUCK INSTALLATION	

MODEL DESIGNATION:	Simonton Double Hung Series 75-75 / 75-09 / 07-75 / 07-09 / 07-10 / 07-20 Vinyl Window	REV. #:	REVISIONS:	REVISED BY:	DATE:
MAXIMUM OVERALL NOMINAL SIZE:	See Size Chart	10	UPDATED SIZES PER NEW TESTING.	T.O.D.	01/29/14
DESIGN PRESSURE RATING:	See Size Chart	11	ADDED MIN. EDGE DISTANCE NOTES	GM	06/16/15
USABLE CONFIGURATIONS:	X X	12	ADDED NEW SIZE TO CHART	LMH	07/10/15
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".	13	ADDED NOTES 12 & 13 - AAMA 800	LMH	08/19/16
		14	UPDATED SIZES PER NEW TESTING.	LMH	04/11/18



- NOTES:**
1. This installation has been evaluated for use in locations adhering to the Florida Building Codes 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 use outside the H.V.H.Z.
 2. All exterior perimeter surfaces of the window must be caulked. Interior caulking is optional unless noted otherwise.
 3. Anchors shall be as specified and spaced as shown. Anchor embedment to base material shall be beyond wall dressing or stucco and into wood.
 4. 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.
 5. Shims are optional. Max. shim stack is 1/4".
 6. Wood bucks (by others) must be engineered and anchored properly to transfer loads to the structure.
 7. When used in areas requiring impact protection this product **REQUIRES** the use of approved impact resistant shutters or other external protection.
 8. Flashing should be applied using the ASTM E 2112 method appropriate for the opening into which the window is being installed.
 9. Installation screws must be at least 3/4" from the edge of the wood.
 10. Installation screws may be placed in the interior or exterior track of the jamb. Screws should be flush with the vinyl.
 11. This product complies with ASTM E 1300.
 12. Designation "X" and "O" stand for the following: X: Operable Panel - O: Fixed Panel.
 13. Use 100% pure silicone caulk compliant with AAMA 800 Section 1 - Sealant Specifications for use with Architectural Fenestration Products. For more details visit Simonton.com.
 14. 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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SIZE CHART		DP RATING	
OVERALL SIZE	DP RATING	OVERALL SIZE	DP RATING
WIDTH "W"	HEIGHT "H"	WIDTH "W"	HEIGHT "H"
48"	80"	±25 PSF	±25 PSF
53"	74"	±30 PSF	±30 PSF
48"	80"	±35 PSF	±35 PSF
52"	71"	±40 PSF	±40 PSF
53"	80"	±50 PSF	±50 PSF
36"	63"	±55 PSF	±55 PSF
36"	74"		
36"	72"		



Product Approval
USER: Public User

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FL #
Application Type
Code Version
Application Status

FL5179-R29
Affirmation
2020
Approved

5179.6

*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

Comments
Archived



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Category
Subcategory

Windows
Horizontal Slider

Compliance Method

Certification Mark or Listing

Certification Agency
Validated By

American Architectural Manufacturers Association
American Architectural Manufacturers Association

Referenced Standard and Year (of Standard)

Standard	Year
AAMA/WDMA/CSA 101/I.S.2/A440	2008
AAMA/WDMA/CSA 101/I.S.2/A440	2011

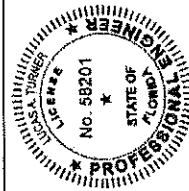
Equivalence of Product Standards
Certified By

☐ I affirm that there are no changes in the new Florida Building Code which affect my product(s) and my product(s) are in compliance with the new Florida Building Code.

5179.4	07-09, 07-10, 07-20 and 07-75	Reflections 5500, Generations, Impressions 9800, PerfeXion Platinum Vinyl 2-Lite Horizontal Slider
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 78x63 (+/-25 PSF), 73x51 (+/-50 PSF), 63x48 (+/-55 PSF), 78x72 (+/-20 PSF), 96x65 (+/-20 PSF), 72x63 (+/-20 PSF)		Certification Agency Certificate FL5179 R29 C CAC 07-09 HS 63x48 R PG55.pdf FL5179 R29 C CAC 07-09 HS 72x63 R PG20.pdf FL5179 R29 C CAC 07-09 HS 73x51 R PG50.pdf FL5179 R29 C CAC 07-09 HS 78x63 R PG25.pdf FL5179 R29 C CAC 07-09-10-20 and 08-09 -10 -20 Waiver.pdf FL5179 R29 C CAC 07-75 HS 78x72 R PG20.pdf FL5179 R29 C CAC 07-75 HS 96x65 R PG20.pdf FL5179 R29 C CAC ACP-05 SIM 07-75 DH HS PW frame 07-09.pdf Quality Assurance Contract Expiration Date 04/25/2022 Installation Instructions FL5179 R29 II IN0137 07-09 07-10 07-20 SL 2X.pdf FL5179 R29 II IN0259-R10 07-09 07-10 07-20 07-75 SL 1X.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports FL5179 R29 AE EvalReport-IN0259-R10.pdf Created by Independent Third Party: Yes
5179.5	07-20 (Fin)	Reflections 5500, Generations, Impressions 9800, PerfeXion Platinum Vinyl 3-Lite Endvent Slider
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 136x63 (+/-25 PSF), 84x48 (+/-55 PSF)		Certification Agency Certificate FL5179 R29 C CAC 07-20 EV 136x63 R-PG25.pdf FL5179 R29 C CAC 07-20 EV 84x48 R55.pdf Quality Assurance Contract Expiration Date 04/20/2025 Installation Instructions FL5179 R29 II IN0590 07-20 EV 2X-FIN.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
5179.6	07-75	6500 Series, 5500 Reflections Vinyl 2-Lite Horizontal Slider
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 78x63 (+/-25 PSF), 78x63 (+/-40 PSF), 72x48 (+/-45 PSF), 63x48 (+/-55 PSF)		Certification Agency Certificate FL5179 R29 C CAC 07-75 HS 63x48 R PG55.pdf FL5179 R29 C CAC 07-75 HS 72x48 R PG45.pdf FL5179 R29 C CAC 07-75 HS 78x63 R PG25.pdf FL5179 R29 C CAC 07-75 HS 78x63 R PG40.pdf Quality Assurance Contract Expiration Date 10/15/2022 Installation Instructions FL5179 R29 II IN0224-R7 75-75-SL 1X.pdf FL5179 R29 II IN0225 07-75 SL 2X.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports FL5179 R29 AE EvalReport-IN0224-R7.pdf Created by Independent Third Party: Yes
5179.7	07-75	6500 Series, 5500 Reflections Vinyl 3-Lite Endvent Slider
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 136x63 (+/-25 PSF), 84x63 (+/-30 PSF), 110x63 (+/-40 PSF), 100x48 (+/-45 PSF), 84x48 (+/-55 PSF)		Certification Agency Certificate FL5179 R29 C CAC 07-75 EV 100x48 R PG45.pdf FL5179 R29 C CAC 07-75 EV 110x63 R PG40.pdf FL5179 R29 C CAC 07-75 EV 136x63 R PG25.pdf FL5179 R29 C CAC 07-75 EV 84x48 R PG55.pdf FL5179 R29 C CAC 07-75 EV 84x63 R PG30.pdf Quality Assurance Contract Expiration Date 10/15/2022 Installation Instructions FL5179 R29 II IN0144-R10 75-75 EV 1X.pdf FL5179 R29 II IN0145 07-75 EV 2X.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports FL5179 R29 AE EvalReport-IN0144-R10.pdf Created by Independent Third Party: Yes
5179.8	41-18	Profinish BrickMould 300, PerfeXion BM 300 Vinyl 2-Lite Horizontal Slider
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes		Certification Agency Certificate FL5179 R29 C CAC 41-18 HS 73x63 R30.pdf Quality Assurance Contract Expiration Date

REV.	REVISIONS	DATE
3	UPDATED NOTES, GENERAL DESCRIPTION, AND SUBS. CHANGES PER NEW TESTING AND ADDED NOTES 15 & 16.	03/16/10
4	UPDATED SIZES PER NEW TESTING.	12/05/11
5	ADDED MIN. EDGE DIST. NOTE.	03/19/14
6	ADDED MULTIPLE SUBSTRATES & O.C. TO SIZE CHART.	06/19/15
7		11/21/17

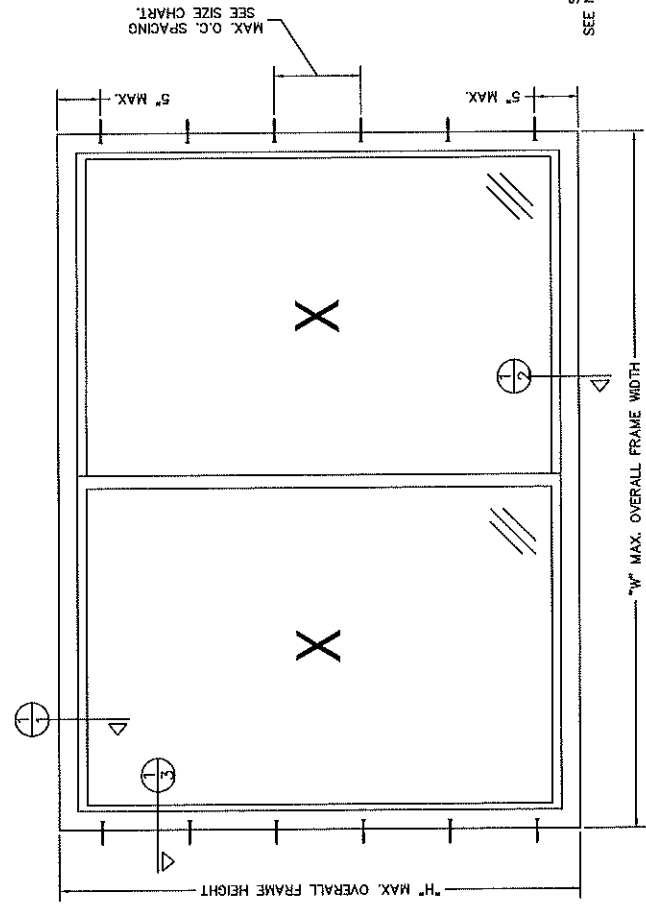
4/30/2020
 LUCAS A. TURNER, P.E.
 TURNER ENGINEERING & CONSULTING, INC.
 (COA # 29779)
 2428 OLD NATCHEZ, TRC TRL
 CAMDEN, TN 38320
 PH. 941-380-1574



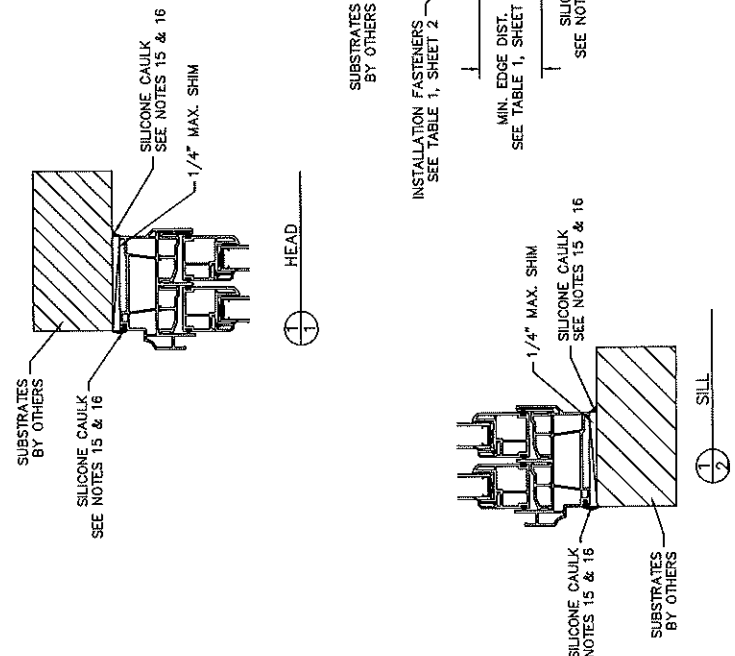
Lucas Turner
 2020.04.30
 11:16:45
 -05'00'

MODEL DESIGNATION: Simonton Horizontal Slider Series 75-75 / 07-09 / 07-10 / 07-20 / 07-25 / 75-09 Vinyl Window
 MAXIMUM OVERALL NOMINAL SIZE: See Size Chart
 DESIGN PRESSURE RATING: See Size Chart
 USABLE CONFIGURATIONS: XX

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".



SIZE CHART			
OVERALL SIZE	O.C. SPACING	DP RATING	
WIDTH "W"	HEIGHT "H"		
75"	63"	±25 PSF	
78"	63"	±40 PSF	
72"	48"	±45 PSF	
63"	48"	±55 PSF	



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MATERIAL
 FINISH: 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.

SIMONTON*
 W I N D O W S
 1 Cochran Avenue
 Pemberton, WV 26415

SIZE/DRAWING NO.: B-IND224
 DRAWN BY: DJS
 T.D.B.: 07/29/08
 CHECKED BY: DATE:
 APPROVED BY: DATE:
 SCALE: 1 of 2
 SERIES: 75-75 / 07-09 / 07-10 / 07-20
 07-25 / 75-09 / 75-10 / 75-20 SLIDER
 TITLE: 1X BUCK INSTALLATION

MODEL DESIGNATION:
Simonton Horizontal Slider Series 07-75 / 07-09 / 07-10 / 07-20 / 75-09 Vinyl Window

MAXIMUM OVERALL NOMINAL SIZE:
See Size Chart

DESIGN PRESSURE RATING:
See Size Chart

USABLE CONFIGURATIONS:
XX

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".

REV. #

REVISIONS:

DATE:

3

UPDATED NOTES, GENERAL DESCRIPTION, AND

03/16/10

4

REPLACED SIZES PER NEW TESTING AND ADDED

12/05/11

5

UPDATED SIZES PER NEW TESTING.

03/19/14

6

ADDED MIN. EDGE DIST. NOTE.

06/19/15

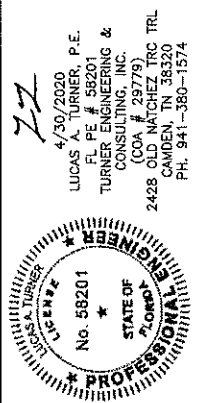
7

ADDED MULTIPLE SUBSTRATES & O.C. TO

11/27/17

7

SIZE CHART.



4/30/2020
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING &
CONSULTING, INC.
(COA # 29779)
2428 OLD NATCHEZ TRC TRL
CAMDEN, TN 38320
PH. 941-380-1574

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	VOLCANIC OR GROUT-FILLED CMU (1.7 PC MIN.)	3/16" ITW TAPCON	1"	2"
C	2X MIN. SOUTHERN PINE WOOD (G=0.55)	3/16" ITW TAPCON	1-3/8"	7/8"
D	2X MIN. SOUTHERN PINE WOOD (G=0.55)	#10 WOOD SCREW	1-3/8"	7/8"
E	1/8" ALUM. 6063-T5 MIN. OR 1/8" STEEL 36 KSI MIN.	#10-16 ITW TEK'S SELF-DRILLING SCREW	FULL THREAD	1/2"
F	1/8" STEEL 36 KSI MIN.	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.
- 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. Use appropriate anchorage from Table 1 according to substrate type. A minimum center-to-center spacing of 3" shall be maintained between all ITW Tapcons in any direction.
- 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 ATI-D2299.01-501-47, ATI-D2300.01-501-47-r1 and ATI-D2303.01-501-47-r1.
- Designation "X" and "O" stand for the following:
X: Operable Panel
O: Fixed Panel
- Use 100% pure silicone caulk compliant with AAMA 808 Section 5 - Sealant Specifications for use with Architectural Fenestration Products. Make sure surfaces are completely free from all old caulk, damaged wood, wood fibers, grease, oil dirt, rust, mold or similar contaminants. Vacuum and clean opening surfaces completely. A fully primed surface is recommended, but not required. Cleaning of all surfaces should be done the same day of which the silicone caulk is to be applied. For more details visit Simonton.com.
- Caulk application: recommended air and surface temperatures at the time of application are to be between 40 and 90 degrees F. Insure all contact surfaces are clean and dry including the new window(s). 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. Silicone caulk should be forced into joint or compressed to assure full contact on both surfaces and to expel any air pockets.

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MATERIAL:

KWIS FINISH: EXCEPT AS NOTED

ALLOY & TEMPER:

HEIGHT:

SURFACE AREA:

FINISH TREATMENT:

Dimensional Tolerances Unless Otherwise Specified

Decimals Angles

X ± .03

XX ± .01

XXX ± .003

SCALE: 1" = 2' 0"

SERIES: 07-75 / 75-09 / 75-10 / 75-20 SLIDER

TITLE: 1X BUCK INSTALLATION

SIMONTON®

W I N D O W S

1 Oakbriar Avenue

Pemberton, WV 26415

SIZES DRAWING NO.: R022

DRAWN BY: DWS

T.D.D. 01/29/08

CHECKED BY: DATE:

APPROVED BY: DATE:

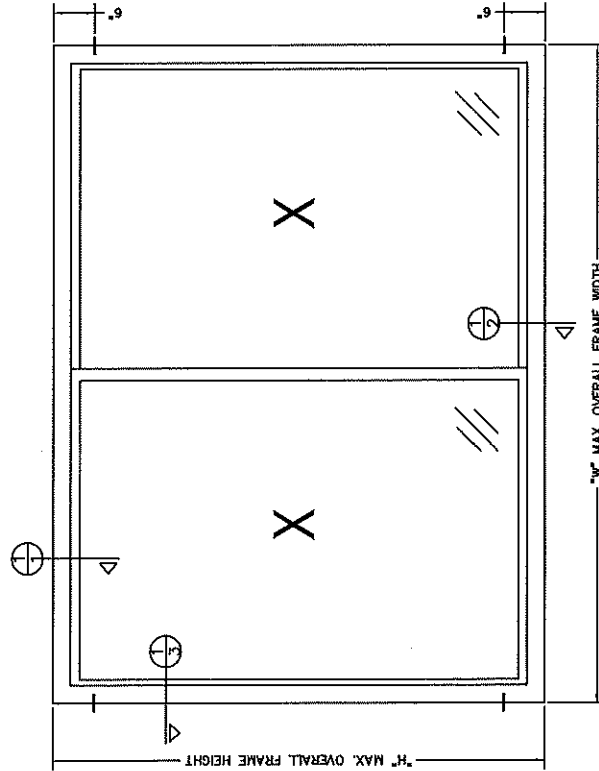
MODEL DESIGNATION: Simonton Horizontal Slider Series 07-75 Vinyl Window

MAXIMUM OVERALL NOMINAL SIZE: See Size Chart

DESIGN PRESSURE RATING: See Size Chart

USABLE CONFIGURATIONS: XX

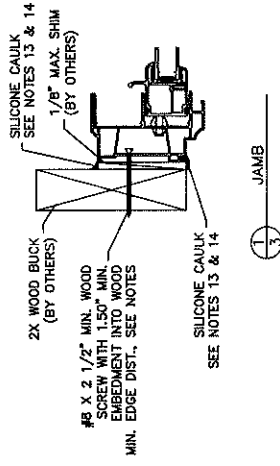
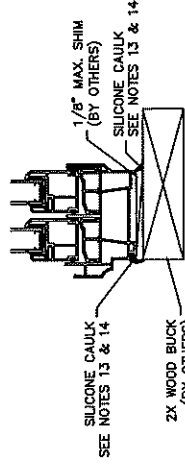
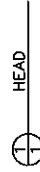
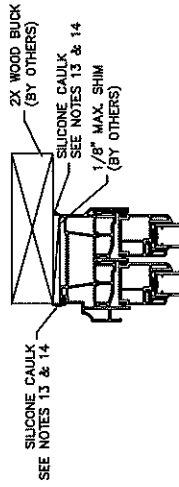
GENERAL DESCRIPTION: The head, sill, and side jambs are extruded PVC. The wall thickness through which the anchor screw penetrates is a minimum of 0.070".



SIZE CHART		
OVERALL SIZE	HEIGHT	DP RATING
WIDTH	"H"	
78"	63"	±25 PSF
78"	63"	±40 PSF
72"	48"	±45 PSF
63"	48"	±55 PSF

NO P.E. SEAL REQUIRED INSTALLATION SUPPORTED BY AAMA TEST REPORTS

REV.	REVISIONS:	REVISED BY:	DATE:
5	ADDED GLAZING DETAILS.	T.D.D.	06/14/11
7	ADDED NOTE 10.	T.D.D.	01/09/12
8	UPDATED NOTES AND CALLOUTS.	T.D.D.	03/20/14
9	ADDED MIN. EDGE DIST. NOTES.	B.J.S.	06/17/15
10	ADDED NOTES 13 & 14 -- AAMA 808	L.M.H.	04/14/17



NOTES:

1. This installation has been evaluated for use in locations adhering to the current Florida Building Code 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 use outside the H.V.H.Z.
2. All interior and exterior perimeter surfaces of the window must be caulked.
3. Anchors shall be specified and spaced as shown Anchor embedment to base material shall be beyond wall dressing or stucco and into wood.
4. 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.
5. Shims are optional. Maximum shim stack is 1/8".
6. Wood bucks (by others) must be engineered and anchored properly to transfer loads to the structure. Wood bucks shall be Spruce-Pine-Fir. Wood minimum specific gravity = 0.42 psi.
7. Wood screws must be at least Grade 5 for units with a design pressure < 50 PSF, and at least Grade 8 for units with a design pressure rating ≥ 50 PSF.
8. When used in areas requiring impact protection, this product REQUIRES the use of approved impact resistant shutters or other external protection.
9. Flashing should be applied using the ASTM E 2112 method appropriate for the opening into which the window is being installed.
10. Installation screws must be at least 3/4" from the edge of the wood.
11. This product complies with ASTM E 1300.
12. Designation "X" and "O" stand for the following:
X: Operable Panel O: Fixed Panel
13. Use 100% pure silicone caulk compliant with AAMA 808 Section 5 - Sealant Specifications for use with Architectural Fenestration Products. Make sure surfaces are completely free from all old caulk, damaged wood, wood fibers, grease, oil dirt, rust, mold or similar contaminants. Vacuum and clean opening surfaces completely. A fully primed surface is recommended, but not required. Cleaning of all surfaces should be done the same day of which the silicone caulk is to be applied. For more details visit Simonton.com.
14. Caulk application: recommended air and surface temperatures at the time of application are to be between 40 and 90 degrees F. Insure all contact surfaces are clean and dry including the new window(s). 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. Silicone caulk should be forced into joint or compressed to assure full contact on both surfaces and to expel any air pockets.

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MATERIALS		FINISHES	
ALLOY & TEMPER	WIPER AS NOTED	PAINT FINISH	WIPER AS NOTED
WEIGHT		VOLUME	
SURFACE AREA		PERIMETER	
FINISH TREATMENT:			
Dimensional Tolerances Unless Otherwise Specified		Angles	
Decimals		X ± .03	
		XX ± .01	
		XXX ± .005	
		0' 30 min.	
		.XXX ± .005	
		07-75 HORIZONTAL SLIDER	
		2X BUCK INSTALLATION	

FILE: FL 5178.3



Product Approval
USER: Public User

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OFFICE OF THE
SECRETARY

FL #
Application Type
Code Version
Application Status

Comments
Archived

Product Manufacturer
Address/Phone/Email

Authorized Signature

Technical Representative
Address/Phone/Email

Quality Assurance Representative
Address/Phone/Email

Category
Subcategory

Compliance Method

Certification Agency
Validated By

Referenced Standard and Year (of Standard)

Equivalence of Product Standards
Certified By

FL7612-R20
Affirmation
2020
Approved

7612.4

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(847) 303-5664
webmaster@aamanet.org

Exterior Doors
Sliding Exterior Door Assemblies

Certification Mark of Listing

American Architectural Manufacturers Association
American Architectural Manufacturers Association

Standard	Year
AAMA 450	2010
AAMA/WDMA/CSA 101/I.S.2/A440	2008
AAMA/WDMA/CSA 101/I.S.2/A440	2011

Florida Licensed Professional Engineer or Architect
[FL7612_R20_Equiv_EvalReport-IN0444-R7.pdf](#)

I affirm that there are no changes in the new Florida Building Code which affect my product(s) and my product(s) are in

compliance with the new Florida Building Code.

Documentation from approved Evaluation or Validation Entity ☐ Yes ☐ No ☐ N/A

[FL7612 R20 COC 7thEdFBC-FL7612.pdf](#)

Product Approval Method

Method 1 Option A

Date Submitted

11/03/2020

Date Validated

11/03/2020

Date Pending FBC Approval

Date Approved

11/10/2020

Summary of Products

FL #	Model, Number or Name	Description
7612.1	06-05	ProFinish Contractor, ProFinish Master, PerfeXion Contractor 2-Lite Sliding Patio Door
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 77x84 (+/-30 PSF), 71x80 (+/-35 PSF), 71x96 (+/-35 PSF), 95x80 (+/-35 PSF), 71x80 (+/-50 PSF)		Certification Agency Certificate FL7612 R20 C CAC 06-05 2P SGD (Fin) 71x80 R PG50.pdf FL7612 R20 C CAC 06-05 2P SGD (Fin) 71x80 R-PG35.pdf FL7612 R20 C CAC 06-05 2P SGD (Fin) 71x96 R PG35.pdf FL7612 R20 C CAC 06-05 2P SGD (Fin) 95x80 R35.pdf FL7612 R20 C CAC 06-05 2P SGD (Finless) 71x80 R PG35.pdf FL7612 R20 C CAC 06-05 2P SGD (Finless) 71x80 R PG50.pdf FL7612 R20 C CAC 06-05 2P SGD (Finless) 71x96 R PG35.pdf FL7612 R20 C CAC 06-05 2P SGD (Finless) 95x80 R35.pdf FL7612 R20 C CAC 06-05 2P SGD (Fin) 77x84 R-PG30.pdf Quality Assurance Contract Expiration Date 10/31/2021 Installation Instructions FL7612 R20 II IN0340 06-05 2P PD 2X.pdf FL7612 R20 II IN0444-R7 06-05 2P 1X.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports FL7612 R20 AE EvalReport-IN0444-R7.pdf Created by Independent Third Party: Yes
7612.2	06-05	ProFinish Contractor, ProFinish Master, PerfeXion Contractor Vinyl 3-Lite Sliding Patio Door
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 107x80 (+/-30 PSF), 107x80 (+/-45 PSF)		Certification Agency Certificate FL7612 R20 C CAC 06-05 3P SGD (Fin) 107x80 R PG30.pdf FL7612 R20 C CAC 06-05 3P SGD (Fin) 107x80 R PG45.pdf Quality Assurance Contract Expiration Date 11/20/2022 Installation Instructions FL7612 R20 II IN0341 06-05 3P PD 2X.pdf FL7612 R20 II IN0445-R4 06-05 3P PD 1X.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports FL7612 R20 AE EvalReport-IN0445-R4.pdf Created by Independent Third Party: Yes
7612.3	06-05	Reflections 5300, 6100 VantagePointe Vinyl 2-Lite Sliding Patio Door with Transom (Retrofit Installation)
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +45/-45 Other: 71x116 Retrofit Installation		Certification Agency Certificate FL7612 R20 C CAC 06-05 2P SGD w Transom (Finless) 71x116 R45.pdf Quality Assurance Contract Expiration Date 01/29/2022 Installation Instructions FL7612 R20 II IN0413 06-05 2PD w Transom 2X.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
7612.4	06-05	Reflections 5300, 6100 VantagePointe Vinyl 2-Lite Sliding Patio Door (Retrofit Installation)

Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 95x80 (+/-35 PSF), 71x96 (+/-35 PSF), 71x80 (+/-35 PSF), 71x80 (+/-50 PSF) Retrofit Installation		Certification Agency Certificate FL7612_R20_C_CAC_06-05_2P_SGD_(Finless)_71x80_R_PG35.pdf FL7612_R20_C_CAC_06-05_2P_SGD_(Finless)_71x80_R_PG50.pdf FL7612_R20_C_CAC_06-05_2P_SGD_(Finless)_71x96_R_PG35.pdf FL7612_R20_C_CAC_06-05_2P_SGD_(Finless)_95x80_R35.pdf Quality Assurance Contract Expiration Date 01/29/2022 Installation Instructions FL7612_R20_II_IN0412_06-05_2P_PD_2X.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
7612.5	15-15	Inovo, 6500 VantagePointe 2-Lite Sliding Patio Door (Retrofit Installation)
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 71x81 (+/-35), 71x81 (+/-50 PSF), 95x95 (+/-35) Retrofit Installation		Certification Agency Certificate FL7612_R20_C_CAC_15-15_SGD-2P_SGD_71X81_R-PG35.pdf FL7612_R20_C_CAC_15-15_SGD-2P_SGD_71X81_R-PG50.pdf FL7612_R20_C_CAC_15-15_2P-SGD_95X95_R-PG35.pdf Quality Assurance Contract Expiration Date 09/14/2025 Installation Instructions FL7612_R20_II_IN0573-R2_15-15_2P-PD.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports FL7612_R20_AE_EvalReport-IN0573-R2.pdf Created by Independent Third Party: Yes
7612.6	15-15	Inovo, VantagePointe 6500 3-Lite Sliding Patio Door (Retrofit Installation)
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +35/-35 Other: 107x79		Certification Agency Certificate FL7612_R20_C_CAC_15-15_SGD-3P_SGD_107X79_R-PG35.pdf Quality Assurance Contract Expiration Date 09/14/2025 Installation Instructions FL7612_R20_II_IN0581-R1_15-15_3P-PD.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports FL7612_R20_AE_EvalReport-IN0581-R1.pdf Created by Independent Third Party: Yes
7612.7	15-15	Inovo, VantagePointe 6500 4-Lite Sliding Patio Door (Retrofit Installation)
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +25/-25 Other: 143x79		Certification Agency Certificate FL7612_R20_C_CAC_15-15_4P-SGD_143x79_R-PG25.pdf Quality Assurance Contract Expiration Date 07/16/2025 Installation Instructions FL7612_R20_II_IN0583-R1_15-15_4P-PD.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports FL7612_R20_AE_EvalReport-IN0583-R1.pdf Created by Independent Third Party: Yes
7612.8	15-16	Inovo, 6500 VantagePointe 2-Lite Sliding Patio Door
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 71x81 (+/-35 PSF), 71x81 (+/-50 PSF), 95x79 (+/-35), 95x95 (+/-35)		Certification Agency Certificate FL7612_R20_C_CAC_15-16_2P_SGD_95x79_R_PG35.pdf FL7612_R20_C_CAC_15-16_2P_SGD_71X81_R-PG35.pdf FL7612_R20_C_CAC_15-16_2P_SGD_71X81_R-PG50.pdf FL7612_R20_C_CAC_15-16_2P_SGD_95x95_R-PG35.pdf Quality Assurance Contract Expiration Date 05/18/2021 Installation Instructions FL7612_R20_II_IN0571_15-16_2P_2X.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
7612.9	15-16	Inovo, 6500 VantagePointe 3-Lite Sliding Patio Door
Limits of Use Approved for use in HVHZ: No		Certification Agency Certificate FL7612_R20_C_CAC_15-16_2P_SGD_107X79_R-PG35.pdf

MODEL DESIGNATION: Simonton Series 06-05 2-Panel Vinyl Patio Door

MAXIMUM OVERALL NOMINAL SIZE: See Size Chart

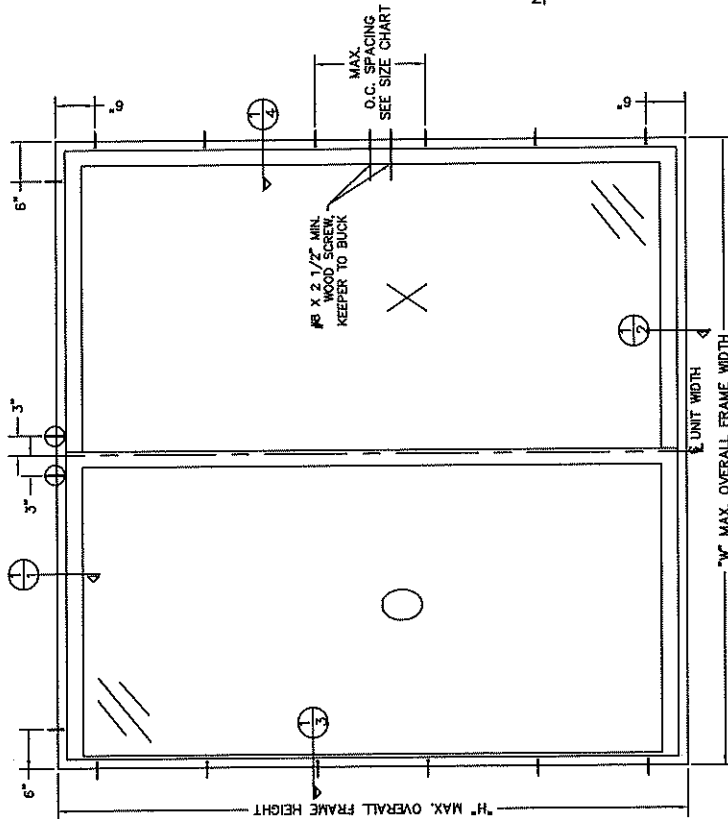
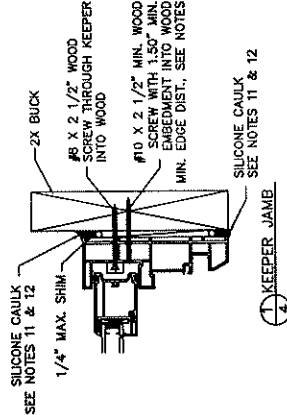
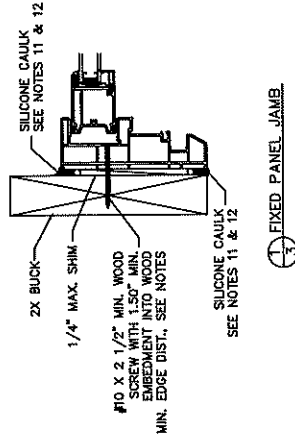
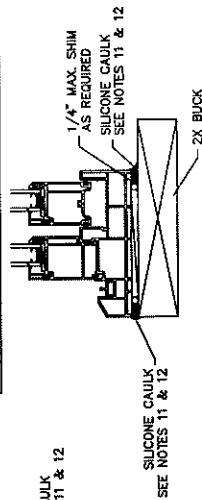
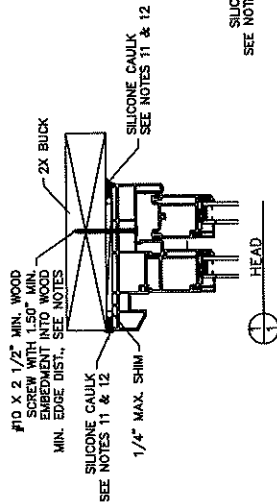
DESIGN PRESSURE RATING: See Size Chart

USABLE CONFIGURATIONS: XO, OX

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".

NO P.E. SEAL REQUIRED
INSTALLATION SUPPORTED
BY AAMA TEST REPORTS

REV.	REVISIONS:	REVISED BY:	DATE:
1	UPDATED NOTES, GENERAL DESCRIPTION, AND ANCHOR LOCATIONS PER NEW TESTING.	T.D.D.	04/06/11
2	ADDED SIZES PER NEW TESTING.	T.D.D.	05/04/11
3	ADDED GLAZING DETAILS.	T.D.D.	06/20/11
4	ADDED GLAZING NOTES AND UPDATED SIZE.	T.D.D.	03/11/13
5	ADDED MIN. EDGE DIST. NOTE.	B.U.S.	06/17/15
6	ADDED MIN. EDGE DIST. NOTE.	B.U.S.	06/17/15
7	UPDATED SIZE CHART & ANCHOR SPACING.	L.H.H.	11/23/15



OVERALL SIZE	O.C. SPACING	DP RATING
71" W	17"	±35 PSF
95" W	23"	±50 PSF
71" H	23"	±50 PSF
95" H	23"	±50 PSF

① CIRCLED ANCHORS REQUIRED ONLY FOR 95x80 AND 71x80-DP35.

NOTES:

- This installation has been evaluated for use in locations adhering to the Texas & Florida Building Codes 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 use outside the H.V.H.Z.
- All exterior perimeter surfaces of the door must be caulked. Interior caulking is optional unless noted otherwise.
- Anchor shall be specified and spaced as shown. Anchor embedment to base material shall be beyond wall dressing or stucco and into wood.
- 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 optional. Maximum shim stack is 1/4".
- Wood bucks (by others) must be engineered and anchored properly to transfer loads to the structure.
- 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 door is being installed.
- Installation anchors should be at least 3/4" from the edge of the wood.
- Glazing shall comply with ASTM E 1300 and safety glazing requirements per Florida Building Code section 2406.
- Vacuum opening surfaces completely. Make sure surfaces are completely free from all old caulk, damaged wood, wood fibers, grease, oil dirt, rust, mold or similar contaminants.
- Caulk application: recommended air and surface temperatures at the time of application are to be between 40 and 90 degrees F. Insure all contact surfaces are clean and dry including the new window(s). 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. Silicone caulk should be forced into joint or compressed to assure full contact on both surfaces and to expel any air pockets.

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SIMONTON® W I N D O W S 1 Oaklawn Avenue Pembroke, WV 26415		SHEET: 1 of 1	
SCALE: FT		SERIES: DB-05 2-PANEL PATIO DOOR	
TITLE: 2X BUCK RETROFIT INSTALLATION (AS TESTED)		DATE: 04/10/09	
CHECKED BY: DATE:		APPROVED BY: DATE:	



Product Approval
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > [Application Detail](#)

OFFICE OF THE
SECRETARY

FL #

Application Type

Code Version

Application Status

FL14787-R4

Affirmation

2020

Approved

FL14787.1
NON-IMPACT MULLIONS

Comments

Archived



Product Manufacturer

Address/Phone/Email

Simonton

5020 Weston Parkway

Suite 300

Cary, NC 27513

(614) 307-3278

luanne.harris@cornerstone-bb.com

Authorized Signature

Luanne Harris

luanne.harris@cornerstone-bb.com

Technical Representative

Address/Phone/Email

Luanne Harris

3948 Townsfair Way

Suite 200

Columbus, OH 43219

(614) 532-3596

luanne.harris@simonton.com

Quality Assurance Representative

Address/Phone/Email

AAMA

1827 Walden Office Square

Suite 550

Schaumburg, IL 60173

(847) 303-5664

webmaster@aamanet.org

Category

Subcategory

Windows

Mullions

Compliance Method

Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer

☒ Evaluation Report - Hardcopy Received

Florida Engineer or Architect Name who developed the Evaluation Report

Lucas A. Turner

Florida License

PE-58201

Quality Assurance Entity

Architectural Testing, Inc., an Intertek Company

Quality Assurance Contract Expiration Date

12/31/2023

Validated By

Scott Wolters, PE

☒ Validation Checklist - Hardcopy Received

Certificate of Independence

[FL14787_R4_COI_EvalReport-RM0015Br7.pdf](#)

Referenced Standard and Year (of Standard)

Equivalence of Product Standards
Certified By

☒ I affirm that there are no changes in the new Florida Building Code which affect my product(s) and my product(s) are in compliance with the new Florida Building Code.

Documentation from approved Evaluation or Validation Entity ☒ Yes ☐ No ☐ N/A

[FL14787_R4_COC_7thEdFBC-FL14787.pdf](#)

Product Approval Method

Method 2 Option B

Date Submitted

10/01/2020

Date Validated

10/01/2020

Date Pending FBC Approval

Date Approved

10/08/2020

Summary of Products

FL #	Model, Number or Name	Description
14787.1	Reinforced Stand Alone Mullions Non-Impact	Extruded Vinyl Mullions with Aluminum Reinforcement
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: Design pressure ratings vary by unit and mullion size. See installation drawings for applicable design pressure rating.		Installation Instructions FL14787_R4_II_RM0015Br7.pdf Verified By: Lucas A. Turner PE #58201 Created by Independent Third Party: Yes Evaluation Reports FL14787_R4_AE_EvalReport-RM0015Br7.pdf Created by Independent Third Party: Yes

[Back](#)

[Next](#)

Contact Us :: [2601 Blair Stone Road, Tallahassee FL 32399](#) Phone: 850-487-1824

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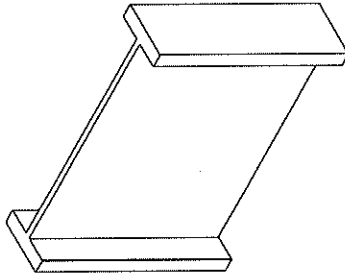
Product Approval Accepts:



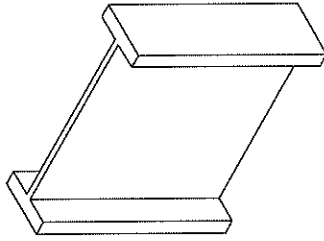
SILMONT
1 COCHRANE AVE. FORTSGROVE, WV 26415
PH. 506-425-2249

**EXTRUDED NON-IMPACT VINYL MULLIONS
WITH ALUMINUM REINFORCEMENT
ALL NON-IMPACT WINDOW SERIES**

REVISIONS				
REV.	DESCRIPTION	DATE	BY	
3	Revised per 2007 Florida Building Code, updated general notes sheet 1.	04/15/2011	JRM	
4	Revised per 2010 Florida Building Code, updated general notes sheet 1.	01/20/2012	CAP	
5	Updated DP ratings chart and added new mullion covers.	06/29/2012	T.D.D.	
6	Revised per 5th Ed. (2014) FBC	04/25/2015	LAT	
7	Updated Note 1, Sheet 1	10/03/2017	LMH	



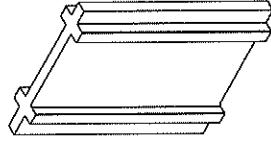
LARGE MULLION
REINFORCEMENT CM0146
ALUMINUM 6063-T6



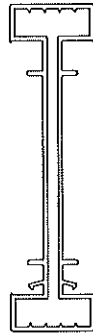
LARGE MULLION
REINFORCEMENT #16991
ALUMINUM 6063-T6



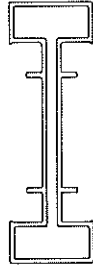
MEDIUM MULLION
REINFORCEMENT #16990
ALUMINUM 6063-T6



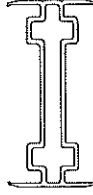
MEDIUM MULLION
REINFORCEMENT #20634
ALUMINUM 6063-T6



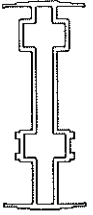
5000 FIN & J FRAME VINYL
H-MULLION COVER #VPI-573
EXTRUDED VINYL 0.071" MIN.



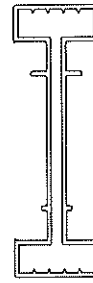
PROFISH LARGE VINYL
H-MULLION COVER #VP1-560
EXTRUDED VINYL 0.079" MIN.



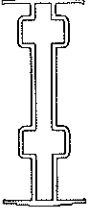
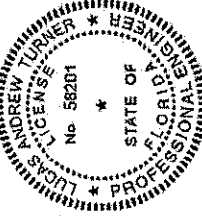
PROFINISH MEDIUM VINYL
H-MULLION COVER #VPI-346A
EXTRUDED VINYL 0.071" MIN.



RETROFIT MEDIUM VINYL
H-MULLION COVER #VP1--436
EXTRUDED VINYL 0.070" MIN.



RETROFIT LARGE VINYL
H-MULLION COVER #VPI-354
EXTRUDED VINYL 0.071" MIN.



4000 SERIES MEDIUM VINYL
H-MULLION COVER #MPO347
EXTRUDED VINYL 0.070" MIN.

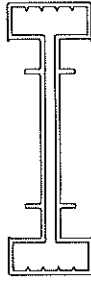
PRODUCT DESCRIPTION:

1. ALL MULLION REINFORCEMENTS ARE EXTRUDED ALUMINUM 6063-16.
2. ALL MULLION COVERS ARE EXTRUDED VINYL. SEE ABOVE FOR INDIVIDUAL MULLION THICKNESS.

TABLE OF CONTENTS	
SHT	DESCRIPTION
1	INDIVIDUAL MULLION APPLICATIONS
2	DESIGN PRESSURES FOR REINFORCEMENT CM0146
3	DESIGN PRESSURES FOR REINFORCEMENT 16991
4	DESIGN PRESSURES FOR REINFORCEMENT 16990
5	DESIGN PRESSURES FOR REINFORCEMENT 20634
6	MULLION ATTACHMENT AND ANCHORING
7	MULLION CROSS SECTIONS—WOOD FRAME SUBSTRATE
8	MULLION CROSS SECTIONS—MASONRY / CONC. SUBSTRATE

GENERAL NOTES:

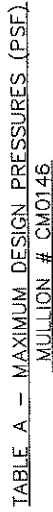
1. THE FOUR (4) MULLION PRODUCTS MEET THE CURRENT FLORIDA BUILDING CODE SECTION 1709-B, INCLUDING L/175 DEFLECTION LIMIT, LOAD TRANSFER, AND FIBERSTRESS ANALYSES IN THE DESIGN PRESSURES SHOWN IN THE TABLES IN THIS DRAWING. THE ANALYSES DID NOT ADDRESS AIR OR WATER INFILTRATION. OVERALL WINDOW ASSEMBLY ALLOWABLE DESIGN PRESSURES SHALL BE THE LOWER OF THE MULLION PER THIS APPROVAL OR THE SIMONTON WINDOWS PER SEPARATE PRODUCT APPROVAL.
2. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN HEREIN.
- | | | |
|----------------------|-------------|-------------|
| CITY | STATE | SHEET NO. |
| Mt. Vernon, FL | FL | 18-00001-15 |
| PROJECT NO. 18-00001 | | |
| DATE | DRAWN BY | CHECKED BY |
| 10/6/2018 | RW | SW |
| 10/6/2018 | 18-00001-15 | 18-00001-15 |
- Z-Z
- SIMONTON**
WINDOWS
10/6/2018



4000 SERIES LARGE VINYL
H-MULLION COVER #VPI-354A
EXTRUDED VINYL 0.071" MIN.

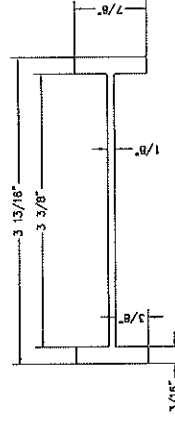
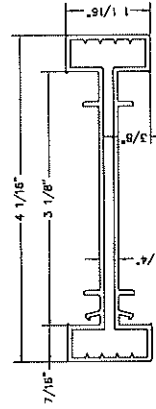
[illegible]

REVISIONS				
REV.	DESCRIPTION	DATE	BY	
3	Revised per 2007 Florida Building Code, Adopted Sheet 8.	04/15/2011	JRM	
4	Revised per 2010 Florida Building Code, updated general notes sh1.	01/20/2012	CAP	
5	Updated BP ratings chart and added new mullion covers.	06/20/2012	T.D.O.	
6	Revised per 5th Ed. (2014) FBC	04/25/2015	LAT	
7	Updated Note 1, Sheet 1	10/03/2017	LMH	

MAXIMUM SINGLE WINDOW WIDTH

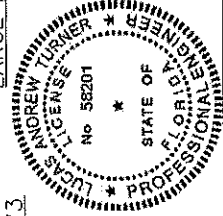
WINDOW TYPE	WINDOW WIDTH
DOUBLE HUNG	56"
HORIZONTAL SLIDER	72"
CASEMENT	36"
CLERESTORY	66"

MULLION TRIBUTARY WIDTH = SUM
OF ZONE 2 WINDOW WIDTHS



ALL FIN & J FRAMES H-MULLION
LARGE VINYL MULLION COVER #VP1-5
EXTRUDED VINYL .071" MIN.

LARGE MULL REINFORCEMENT #CM0146
ALUMINUM 6063-T6

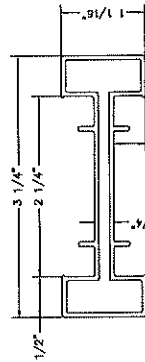
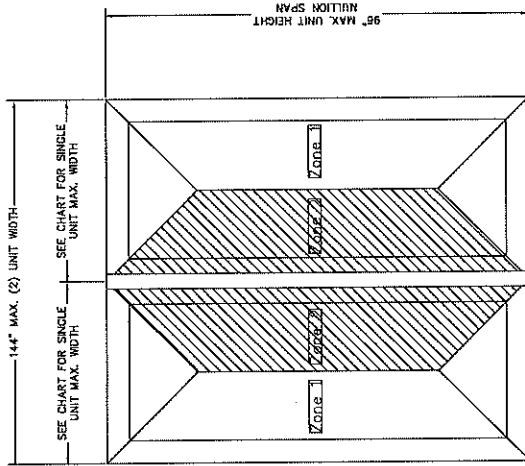


	JAMES A. THAYER, P.E., A.E. PE DESIGN 30000 RICHMOND BLVD. #400, NEW YORK, NY 10018 212 368-6100 FAX 212 368-6101 225 JARVIS AVE. NORTH PORT, FL 34886		01/29/2007
	BEAC 0.75:1 2007-12-18 TIERED ALL WILLED PRODUCTS TIERED REINFORCED VERT. MUONS		BEAC 0.75:1 2007-12-18 TIERED ALL WILLED PRODUCTS TIERED REINFORCED VERT. MUONS
SIMMONTONT WINDOWN		TPO TPO	01/29/2007 01/29/2007
01/29/2007 01/29/2007		01/29/2007 01/29/2007	01/29/2007 01/29/2007

SEE NOTES SHEETS 6, 7, AND 8 FOR REQUIRED ANCHORAGE INFORMATION.

SIMONTON
 1000 BARK AVE. PENNSBURG, WV 26155
 PH. 800-428-2249

**EXTRUDED NON-IMPACT VINYL MULLIONS
 WITH ALUMINUM REINFORCEMENT
 ALL NON-IMPACT WINDOW SERIES**



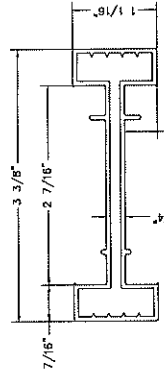
**PROFINISH H-MULLION
 LARGE VINYL MULLION COVER #VPI-560
 EXTRUDED VINYL .079" MIN.**

WINDOW TYPE	WINDOW WIDTH
SINGLE HUNG	52"
DOUBLE HUNG	56"
HORIZONTAL SLIDER	72"
CASEMENT	36"
FIXED	96"

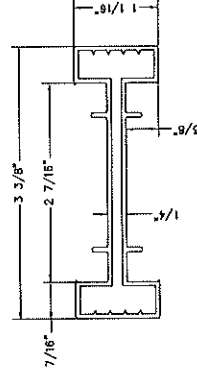
MULLION TRIBUTARY WIDTH = SUM
 OF ZONE 2 WINDOW WIDTHS

**TABLE B -- MAXIMUM DESIGN PRESSURES (PSF)
 MULLION #16991**

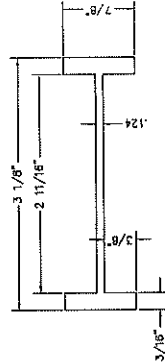
Mullion Length	Individual Unit Width															
	24	28	32	36	40	44	48	52	56	60	64	68	72			
40	75	75	75	75	75	75	75	75	75	75	75	75	75			
44	75	75	75	75	75	75	75	75	75	75	75	75	75			
48	75	75	75	75	75	75	75	75	75	75	75	75	75			
52	75	75	75	75	75	75	75	75	75	75	75	75	75			
56	75	75	75	75	75	75	75	75	75	75	75	75	75			
60	75	75	75	75	75	75	75	75	75	75	75	75	75			
64	75	75	75	75	75	75	75	75	75	75	75	75	75			
68	75	75	75	75	75	75	75	75	75	75	75	75	75			
72	75	75	75	75	75	75	75	75	75	75	75	75	75			
76	75	75	75	75	75	75	75	75	75	75	75	75	75			
80	75	75	75	75	75	75	75	75	75	75	75	75	75			
84	75	75	75	75	75	75	75	75	75	75	75	75	75			
88	75	75	75	75	75	75	75	75	75	75	75	75	75			
92	75	75	75	75	75	75	75	75	75	75	75	75	75			
96	75	75	75	75	75	75	75	75	75	75	75	75	75			



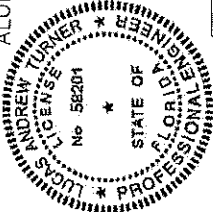
**RETROFIT H-MULLION
 LARGE VINYL MULLION COVER #VPI-354
 EXTRUDED VINYL .071" MIN.**



**4000 SERIES RETROFIT H-MULLION
 LARGE VINYL MULLION COVER #VPI-354
 EXTRUDED VINYL .071" MIN.**



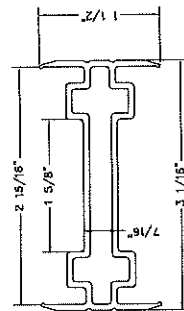
**LARGE MULL REINFORCEMENT #16991
 ALUMINUM 6063-T6**



SIMONTON	1000 BARK AVE. PENNSBURG, WV 26155 PH. 800-428-2249
REVISIONS	DATE BY
3	Revised per 2007 Florida Building Code, Added Sheet B. 04/15/2011 JRM
4	Revised per 2010 Florida Building Code, updated general notes and code, updated general notes and code, added new mullion covers. 01/20/2012 CAP
5	Revised per 5th Ed. (2014) FBC 06/20/2012 T.D.D.
6	Revised per 5th Ed. (2014) FBC 04/25/2015 LAT
7	Updated Note 1, Sheet 1 10/03/2017 LMH

SEE NOTES SHEETS 6, 7, AND 8 FOR REQUIRED ANCHORAGE INFORMATION.

REV.	DESCRIPTION	DATE	BY
3	Revised per 2007 Florida Building Code, adopted Sheet 8.	04/15/2011	JRM
4	Revised per 2010 Florida Building Code, updated general notes sh.1.	01/20/2012	CAP
5	Updated BP ratings chart and added new million covers.	06/20/2012	T.D.O.
6	Revised per 5th Ed. (2014) FBC	04/25/2015	LAT
7	Updated Note 1, Sheet 1	10/03/2017	LMH



MEDIUM H-MULLION VINYL COVER #V346A
ALL NEW CONSTRUCTION
EXTRUDED VINYL .071" MIN.

TABLE C - MAXIMUM DESIGN PRESSURES (PSF)

[illegible]

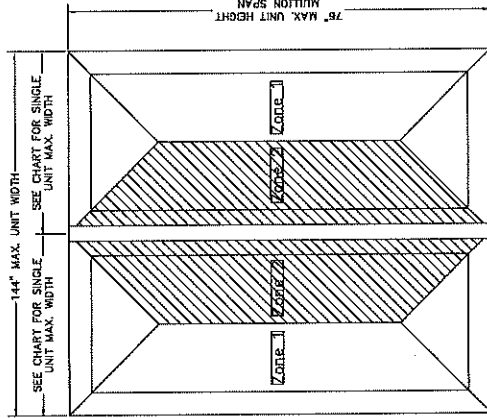
SEE NOTES SHEETS 5, 7, AND 8 FOR REQUIRED ANCHORAGE INFORMATION.

A circular professional engineer seal for the State of Florida. The outer ring contains the text "ANDREW TURNER" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by stars. The inner circle contains the text "LICENSE" on the left, "No. 58201" in the center, and "STATE OF FLORIDA" on the right, also separated by stars.

[illegible]

SIMONTON
1 DOORWAY AVE. PENNSBORO, WV 26155
PH: 800-428-2248

**EXTRUDED NON-IMPACT VINYL MULLIONS
WITH ALUMINUM REINFORCEMENT
ALL NON-IMPACT WINDOW SERIES**

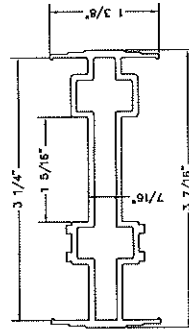


MAXIMUM SINGLE WINDOW WIDTH	
WINDOW TYPE	WINDOW WIDTH
DOUBLE HUNG	56"
HORIZONTAL SLIDER	72"
CASEMENT	36"
FIXED	96"

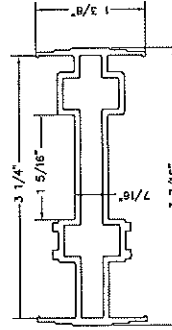
MULLION TRIBUTARY WIDTH = SUM
OF ZONE 2 WINDOW WIDTHS

**TABLE D -- MAXIMUM DESIGN PRESSURES (PSF)
MULLION # 20634**

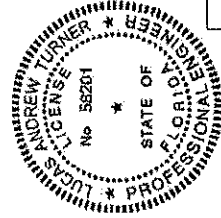
		Individual Unit Width															
		24	28	32	36	40	44	48	52	56	60	64	68	72			
Mullion Length	40	75	75	75	75	75	75	75	75	75	75	75	75	75			
	44	75	75	75	75	75	75	75	75	75	75	75	75	75			
	48	75	75	75	75	75	75	75	75	75	75	75	75	75			
	52	75	75	75	75	75	75	75	75	75	75	75	75	75			
	56	75	75	75	75	75	75	75	75	75	75	75	75	75			
	60	75	75	75	75	75	75	75	75	75	75	75	75	75			
	64	75	75	75	75	75	75	75	75	75	75	75	75	75			
	68	75	75	75	75	75	75	75	75	75	75	75	75	75			
	72	75	75	75	75	75	75	75	75	75	75	75	75	75			
	76	75	75	75	75	75	75	75	75	75	75	75	75	75			



**MEDIUM H-MULLION VINYL COVER #VP1-436
FOR ANY RETROFIT HOOKED FRAME
EXTRUDED VINYL .070\"**



**MEDIUM H-MULLION VINYL COVER #VP1-436
FOR ANY RETROFIT HOOKED FRAME
EXTRUDED VINYL .070\"**



**MEDIUM MULL REINFORCEMENT #20634
ALUMINUM 6063-T6**

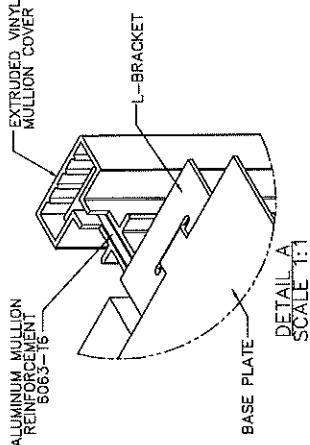
REV.	DESCRIPTION	DATE	BY
3	Revised per 2007 Florida Building Code, Added Sheet B.	04/15/2011	JRM
4	Revised per 2010 Florida Building Code, updated general notes and CAP	01/20/2012	CAP
5	Updated DP ratings chart and added new mullion covers.	06/20/2012	T.D.D.
6	Revised per 5th Ed. (2014) FBC	04/25/2015	LAT
7	Updated Note 1, Sheet 1	10/03/2017	LMH

SEE NOTES SHEETS 6, 7, AND 8 FOR REQUIRED ANCHORAGE INFORMATION.

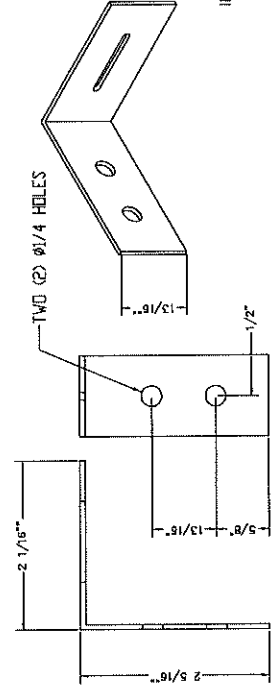
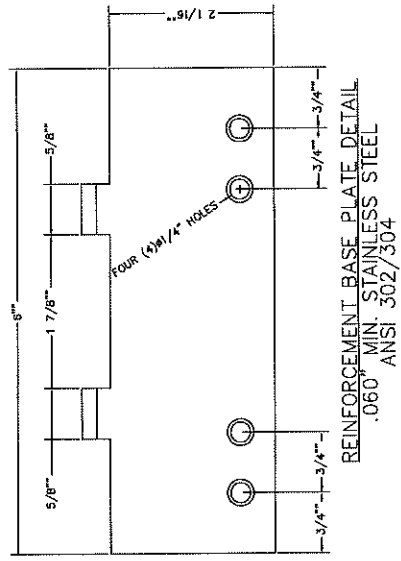
SIMONSON
1 GORDMAN AVE. FOND DU LAC, WI 54115
PH. 800-466-2249

**EXTRUDED NON-IMPACT VINYL MULLIONS
WITH ALUMINUM REINFORCEMENT
ALL NON-IMPACT WINDOW SERIES**

REVISIONS			
REV.	DESCRIPTION	DATE	BY
3	Revised per 2007 Florida Building Code, Added Sheet B.	04/15/2011	JRM
4	Revised per 2010 Florida Building Code, updated general notes sheet.	01/20/2012	CAP
5	Updated D-11 mullion cover and added new mullion cover.	06/20/2012	T.D.D.
6	Revised per 5th Ed. (2014) FBC	04/25/2015	LAT
7	Updated Note 1, Sheet 1	10/03/2017	LMH



SEE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ATTACHING REINFORCED MULLIONS TO WINDOW UNITS. TYPICALLY, USE SELF-TAPPING SCREW OF SUFFICIENT LENGTH TO FULLY ENGAGE THREADS THROUGH THE ALUMINUM REINFT. AT THE ANCHOR SIZE AND SPACING INDICATED IN THE APPLICABLE WINDOW PRODUCT APPROVAL FOR ATTACHMENT TO WOOD SUBSTRATE.

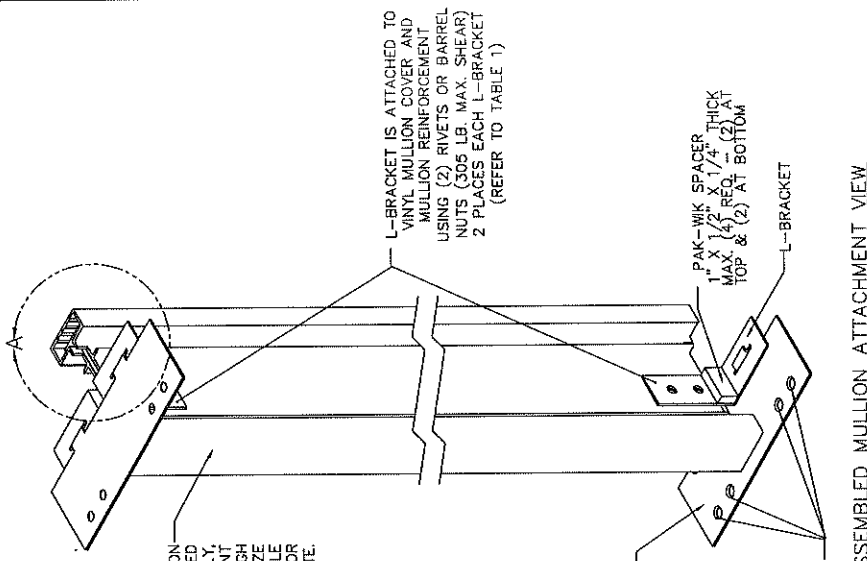


REINFORCEMENT L-BRACKET
0.076" MIN. STAINLESS STEEL
ANSI 302/304

TABLE 1 -- MULLION ATTACHING HARDWARE

RIVET	25 DIA. STEEL RIVET WITH A GRIP LENGTH OF .50 MAX.
BARREL NUT	#10-24 OR #10-32 STAINLESS STEEL BARREL NUT, .250 O.D. X .25" LG WITH .125 MIN ENGAGEMENT

- NOTES:
- WOOD FRAME: USE (4) #10 X 1 3/4" WOOD SCREWS AT THE HEAD AND SILL THROUGH BASE PLATES. WITH 1-1/2" MINIMUM EMBEDMENT INTO WOOD FOR MULLION ATTACHMENT. SEE SHEET 7 FOR DETAILS.
 - MASONRY/CONCRETE: USE (2) ITW TAPCON OR ELCO ULTRACON ANCHORS AT HEAD AND SILL THROUGH BASE PLATES. SEE SHEET 8 FOR DETAILS.
 - TWO (2) RIVETS OR BARREL NUTS ARE REQUIRED TO ATTACH L-BRACKETS TO ALUMINUM MULLION. SEE TABLE 1 (THIS SHEET).

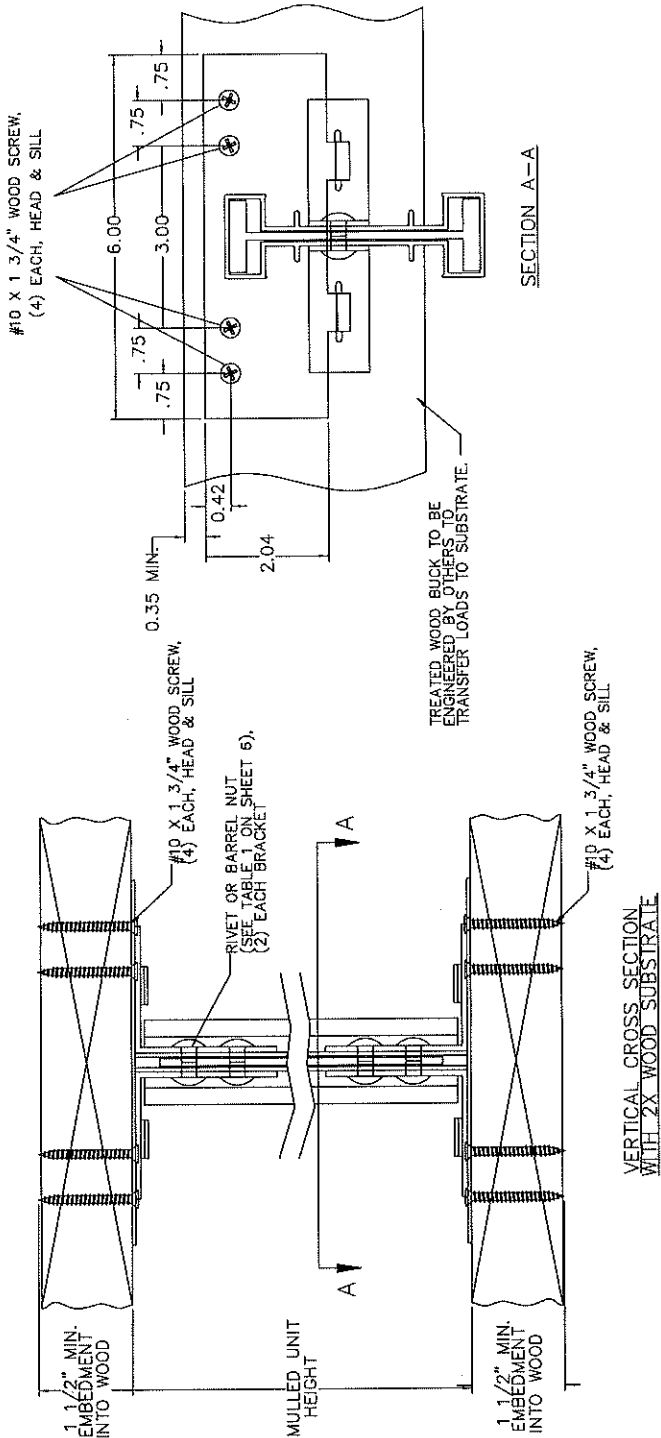


72

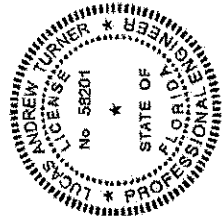
SIMONSON
1 GORDMAN AVE. FOND DU LAC, WI 54115
PH. 800-466-2249

DATE: 10/03/2017
BY: LMH
CHECKED: JRM
DATE: 04/15/2011
BY: JRM
CHECKED: CAP
DATE: 01/20/2012
BY: T.D.D.
CHECKED: LAT
DATE: 04/25/2015
BY: LAT
CHECKED: LMH
DATE: 10/03/2017
BY: LMH

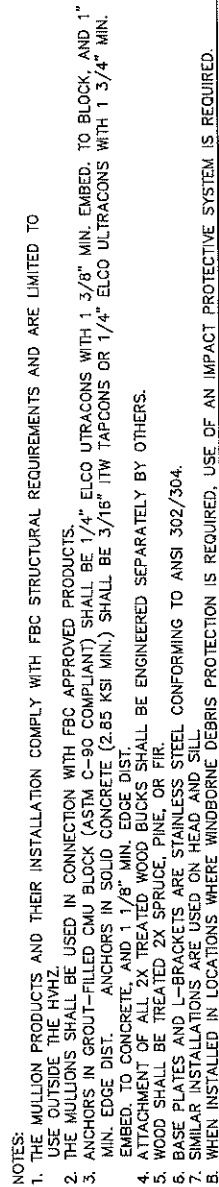
REVISIONS				
REV.	DESCRIPTION	DATE	BY	
3	Revised per 2007 Florida Building Code, Added Sheet B.	04/15/2011	JRM	
4	Revised per 2010 Florida Building Code, updated general notes sh1.	01/20/2012	CAP	
5	Updated DP ratings chart and added new millium cover.	06/20/2012	T.D.D.	
6	Revised per 5th Ed. (2014) FBC	04/25/2015	LAT	
7	Updated Note 1, Sheet 1	10/03/2017	LMH	



- NOTES:
1. THE MULLION PRODUCTS AND THEIR INSTALLATION COMPLY WITH FBC STRUCTURAL REQUIREMENTS AND ARE LIMITED TO USE OUTSIDE THE HAVITZ.
 2. THE MULLIONS SHALL BE USED IN CONNECTION WITH FBC APPROVED PRODUCTS.
 3. ANCHORS SHALL HAVE 1 1/2" MINIMUM EMBEDMENT INTO WOOD AND 7/8" MINIMUM WOOD EDGE DISTANCE.
 4. ATTACHMENT OF ALL 2X TREATED WOOD BUCKS SHALL BE ENGINEERED SEPARATELY BY OTHERS.
 5. WOOD SHALL BE TREATED 2X SPRUCE, PINE, OR FIR.
 6. #10 WOOD SCREWS SHALL BE STEEL CONFORMING TO ASTM A 653.
 7. BASE PLATES AND L-BRACKETS ARE STAINLESS STEEL CONFORMING TO ANSI 302/304.
 8. SIMILAR INSTALLATIONS ARE USED ON HEAD AND SILL.
 9. WHEN INSTALLED IN LOCATIONS WHERE WINDBORNE DEBRIS PROTECTION IS REQUIRED, USE OF AN IMPACT PROTECTIVE GLASS SHALL BE REQUIRED.

[illegible]

REVISIONS			
REV.	DESCRIPTION	DATE	BY
3	Revised per 2007 FIBC Building Code, added Sheet 8.	04/15/2011	JRM
4	Revised per 2010 FIBC Building Code, updated general notes sh.1.	01/20/2012	CAP
5	Updated DR ratings chart and added new mullion covers.	06/20/2012	T.D.D.
6	Revised per 5th Ed. (2014) FBC	04/25/2015	LAT
7	Updated Note 1, Sheet 1	10/03/2017	LMH



ANDREW TURNER
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