



Product Approval
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FL #

Application Type

Code Version

Application Status

FL5167-R42

Affirmation

2023

Approved

FL5167.15

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

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

Double Hung

Compliance Method

Certification Mark or Listing

Certification Agency

Validated By

Fenestration and Glazing Industry Alliance (formerly AAMA)

Fenestration and Glazing Industry Alliance (formerly AAMA)

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

☐ 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.

5167.12	43-35 (Two-Step Sill) and 43-50 (Three-Step Sill)	6100,ASURE, PerfeXion Silver Vinyl Double Hung Twin with Transom
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +35/-35 Other: 73x111		Certification Agency Certificate FL5167 R42 C CAC 43-35 DH TWIN w TRANSOM 73x111-R35.pdf FL5167 R42 C CAC 43-50 DH TWIN w TRANSOM 73x111-R35.pdf Quality Assurance Contract Expiration Date 01/24/2026 Installation Instructions FL5167 R42 II IN0535 43-35043-50 DH Twin with Transom 2X.pdf Verified By: Fenestration and Glazing Industry Alliance (formerly AAMA) Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
5167.13	43-40 and 43-45	Reflections 5050, Reflections 5300, 6100, PerfeXion Gold, 4000E 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), 44x63 (+/-35 PSF), 32x62 (+/-50 PSF), 36x74 (+/-50 PSF), 46x84 (+/-25)		Certification Agency Certificate FL5167 R42 C CAC 43-40 DH (10390) 32x62 PG50.pdf FL5167 R42 C CAC 43-40 DH (10592) 44x63 PG35.pdf FL5167 R42 C CAC 43-40 DH (12109) 46x84 R-PG25.pdf FL5167 R42 C CAC 43-40 DH (12110) 44x63 R-PG45.pdf FL5167 R42 C CAC 43-40 DH 36x63-R45.pdf FL5167 R42 C CAC 43-40 DH 36x72-R30.pdf FL5167 R42 C CAC 43-40 DH 36x74 R-PG50.pdf FL5167 R42 C CAC 43-40 DH 48x80 R-PG35.pdf FL5167 R42 C CAC 43-40 DH 52x71-R35.pdf FL5167 R42 C CAC 43-45 DH 52x71 R-PG35.pdf FL5167 R42 C CAC 43-45 waiver to 43-40.pdf Quality Assurance Contract Expiration Date 09/12/2026 Installation Instructions FL5167 R42 II IN0432b 43-40 43-45 DH-2X.pdf FL5167 R42 II IN0434 43-30 43-45 DH 1X.pdf Verified By: Fenestration and Glazing Industry Alliance (formerly AAMA) Created by Independent Third Party: Evaluation Reports FL5167 R42 AE EvalReport-IN0434-R8.pdf Created by Independent Third Party: Yes
5167.14	43-50 (Three-Step Sill)	6100,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 R42 C CAC 43-50 DH 32x62-R50.pdf FL5167 R42 C CAC 43-50 DH 36x63-R45.pdf FL5167 R42 C CAC 43-50 DH 36x74-R50.pdf FL5167 R42 C CAC 43-50 DH 44x63-R45.pdf FL5167 R42 C CAC 43-50 DH 52x71-R35.pdf Quality Assurance Contract Expiration Date 01/25/2026 Installation Instructions FL5167 R42 II IN0432 43-50 DH 2X.pdf FL5167 R42 II IN0569 43-50 DH 1X.pdf Verified By: Fenestration and Glazing Industry Alliance (formerly AAMA) Created by Independent Third Party: Evaluation Reports FL5167 R42 AE EvalReport-IN0569-R4.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, PerfeXion Platinum, 6000, 6000EX 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 R42 C CAC 07-75 DH (11945) 48x80 R-PG35.pdf FL5167 R42 C CAC 07-75 DH (12084) 53x74 R-PG30.pdf FL5167 R42 C CAC 07-75 DH 53x80 R-PG40.pdf FL5167 R42 C CAC 75-75 DH (11047) 48x80 PG25.pdf FL5167 R42 C CAC 75-75 DH (11048) 36x63 PG50.pdf FL5167 R42 C CAC 75-75 DH (11078) 52x71 PG35.pdf FL5167 R42 C CAC 75-75 DH (11339) 36x72 PG55.pdf FL5167 R42 C CAC 75-75 DH 36x74-LC50.pdf FL5167 R42 C CAC ACP-05 SIM 07-75 DH HS PW frame 07-09.pdf FL5167 R42 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

		03/25/2025 Installation Instructions FL5167_R42_II_IN0113_75-75_75-09_07-75_07-09_07-10_07-20_DH_2X.pdf FL5167_R42_II_IN0132_75-75_75-09_07-09_07-10_07-20_DH-1X.pdf Verified By: Fenestration and Glazing Industry Alliance (formerly AAMA) Created by Independent Third Party: Evaluation Reports FL5167_R42_AE_EvalReport-IN0132-R12.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, PerfeXion Platinum, 6000, 6000EX Double Hung H-Mulled Triple
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other: 109x74 (+/-50 PSF)		Certification Agency Certificate FL5167_R42_C_CAC_07-09-10-20 and 08-09-10-20 Waiver.pdf FL5167_R42_C_CAC_07-75 waiver to 07-09.pdf FL5167_R42_C_CAC_75-75 DH Triple 109x74 R-PG50.pdf Quality Assurance Contract Expiration Date 09/13/2026 Installation Instructions FL5167_R42_II_IN0060_75-75 DH Triple or Twin 2X.pdf Verified By: Fenestration and Glazing Industry Alliance (formerly AAMA) Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
5167.17	75-75, 75-09, 07-75, 07-09, 07-10 and 07-20	Reflections 5500, Generations, Impressions 9800, 6500, PerfeXion Platinum, 6000, 6000EX Vinyl Double Hung H-Mulled Twin with Transom
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other: 73x111 *Glazing complies with ASTM E 1300-04.		Certification Agency Certificate FL5167_R42_C_CAC_07-75 waiver to 07-09.pdf FL5167_R42_C_CAC_75-75 DH Twin w-Transom 73x111 R-PG50.pdf Quality Assurance Contract Expiration Date 09/13/2026 Installation Instructions FL5167_R42_II_IN0062_75-75 DH Twin w Transom 1X.pdf Verified By: Fenestration and Glazing Industry Alliance (formerly AAMA) Created by Independent Third Party: Evaluation Reports FL5167_R42_AE_EvalReport-IN0062-R8.pdf Created by Independent Third Party: Yes

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Product Approval Accepts:



MODEL DESIGNATION:
07-09 / 07-10 / 07-20 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".

2/29/2021
LUCAS TURNER, P.E.
FL REG. # 58201
TURNER ENGINEERING & CONSULTING, INC.
(COA # 29779)
2428 OLD MATCHET TRACE
TRAIL CAMPDEN, TN 38320
PH: 941-380-1574

REVISIONS:

REV. #

DATE

DESCRIPTION

8

06/19/15

ADDED MIN. EDGE DIST. NOTE.

9

06/12/17

ADDED MULTIPLE SUBSTRATES & SHEET 2.

10

09/12/17

ADDED ANCHOR REQUIREMENTS TO SIZE CHART.

11

04/11/18

ADDED DAYS TO SITE CHART.

12

02/20/21

UPDATED TO 7TH EDITION (2020) IBC.

Lucas Turner
2021.03.03
15:14:56
-06'00"

PROFESSIONAL ENGINEER
No. 58201
STATE OF FLORIDA

2/29/2021
LUCAS TURNER, P.E.
FL REG. # 58201
TURNER ENGINEERING & CONSULTING, INC.
(COA # 29779)
2428 OLD MATCHET TRACE
TRAIL CAMPDEN, TN 38320
PH: 941-380-1574

SIZE CHART

OVERALL SIZE		CIRCLED ANCHOR LOCATIONS REQUIRED?	DP RATING
WIDTH "W"	HEIGHT "H"		
48"	80"	NO	±25 PSF
48"	80"	NO	±35 PSF
52"	71"	NO	±35 PSF
53"	80"	YES	±40 PSF
36"	63"	NO	±50 PSF
36"	74"	NO	±50 PSF
36"	72"	YES	±55 PSF

INSTALLATION FASTENER

MIN. EDGE DIST. SEE TABLE 1

MIN. EMBED. SEE TABLE 1

SUBSTRATE BY OTHERS

SILICONE CAULK (EXT. PERIMETER)

1/4" MAX. SHIM

HEAD

INSTALLATION FASTENER

MIN. EDGE DIST. SEE TABLE 1

MIN. EMBED. SEE TABLE 1

SUBSTRATE BY OTHERS

SILICONE CAULK (INT. PERIMETER)

1/4" MAX. SHIM

JAMB

SILL

SILICONE CAULK

SUBSTRATE BY OTHERS

1/4" MAX. SHIM

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. All interior and exterior perimeter surfaces of the window must be caulked.

3. 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.

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 or masonry openings, bucks, and buck fasteners, by others, shall be properly designed and installed to transfer wind loads to the structure.

6. 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.

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. When used in areas requiring impact protection, this product REQUIRES the use of approved impact resistant shutters or other external protection.

9. 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.

10. Glazing shall comply with ASTM E 1300.

11. 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.

12. A wind load duration factor Cd = 1.6 was used for the analysis of wood screws only.

13. Products shall be constructed as specified in test reports ATI-A6989.01-501-47, ATI-C9020.01-501-47, ATI-D0300.01-501-47-r0.

14. Designation "X" and "O" stand for the following: X: Operable Panel - O: Fixed Panel.

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.

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 (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"	7/8"
D	2X MIN. SOUTHERN PINE WOOD (G=0.35 TO 0.60) MIN. STEEL	#10 WOOD SCREW	1-3/8"	7/8"
E	1/8" ALUM. 6063-T5 MIN. OR 1/8" STEEL 36 KSI YIELD MIN.	#10-18 ITW TRKS SELF-DRILLING SCREW	FULL THREAD	1/2"
F	1/8" ALUM. 6063-T5 MIN. OR 1/8" STEEL 36 KSI MIN.	#10 GRAD 5 SELF-TAPPING/DRILLING SCREW	FULL THREAD	1/2"

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FILE: FL 5187

1X BUCK INSTALLATION

SIZE/DRAWING NO.: REV. 12

B

10132

W I N D O W S

DRAWN BY: JLD

DATE: 06/19/07

CHECKED BY: JLD

DATE: 06/19/07

SCALE: 1" = 1'-0"

SHEET: 1 of 1

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

TITLE: 1X BUCK INSTALLATION

MODEL DESIGNATION:

Simonton Double Hung Series 75-75 / 75-09 / 07-75 /
07-09 / 07-10 / 07-20 Vinyl Window

MAXIMUM OVERALL NOMINAL SIZE:

See Size Chart

DESIGN PRESSURE RATING:

See Size Chart

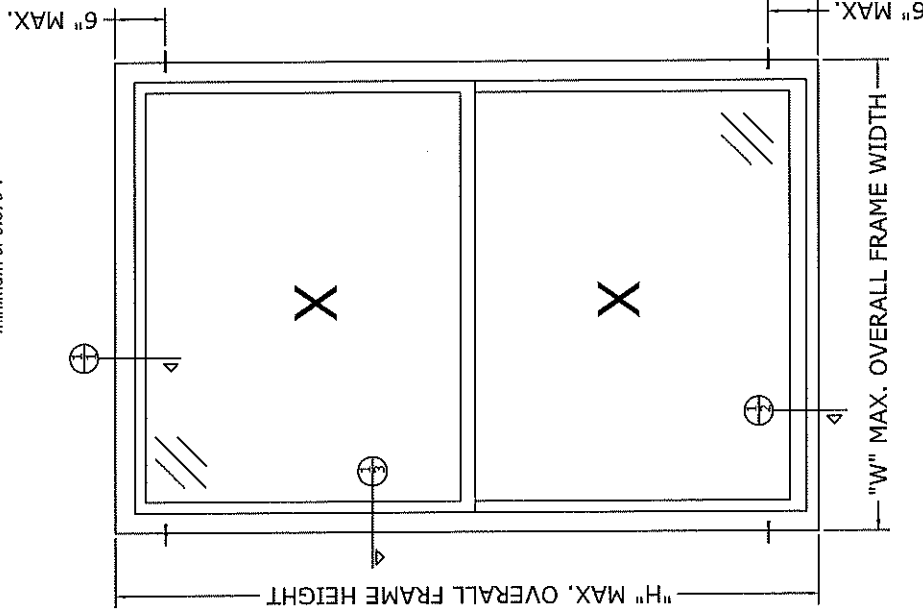
USABLE CONFIGURATIONS:-

XIX

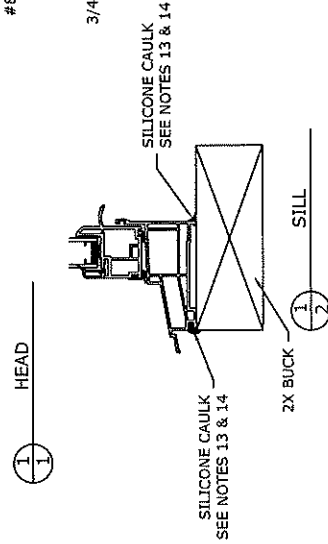
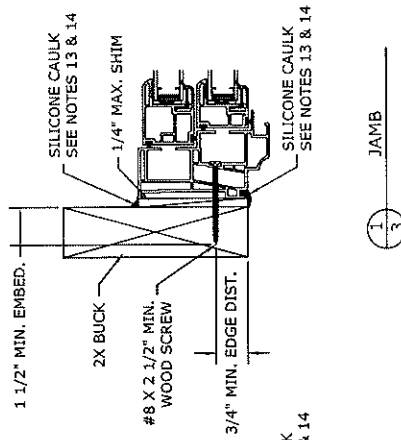
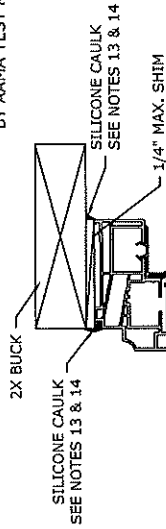
XIX

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			DP RATING
OVERALL SIZE		HEIGHT	
WIDTH	"W"	"H"	
48"	80"		±25 PSF
53"	74"		±30 PSF
48"	80"		±35 PSF
52"	71"		
53"	80"		±40 PSF
36"	63"		±50 PSF
36"	74"		
36"	72"		±55 PSF



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 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 and on all joints > 3/4" deep and/or wider than 1/4". Finished caulk joint should be a minimum of 3/8" deep.

[illegible]



Product Approval
USER: Public User

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OFFICE OF THE
SECRETARY

FL #

Application Type

Code Version

Application Status

FL5167-R42

Affirmation

2023

Approved

FL5167.16

6500 TDH

Comments

Archived



Product Manufacturer

Address/Phone/Email

Simonton

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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

Quality Assurance Representative

Address/Phone/Email

AAMA

1827 Walden Office Square

Suite 550

Schaumburg, IL 60173

(847) 303-5664

webmaster@amaanet.org

Category

Subcategory

Windows

Double Hung

Compliance Method

Certification Mark or Listing

Certification Agency

Validated By

Fenestration and Glazing Industry Alliance (formerly AAMA)

Fenestration and Glazing Industry Alliance (formerly AAMA)

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

☒ 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.

		03/25/2025 Installation Instructions FL5167 R42 II IN0113 75-75 75-09 07-75 07-09 07-10 07-20 DH 2X.pdf FL5167 R42 II IN0132 75-75 75-09 07-09 07-10 07-20 DH-1X.pdf Verified By: Fenestration and Glazing Industry Alliance (formerly AAMA) Created by Independent Third Party: Evaluation Reports FL5167 R42 AE EvalReport-IN0132-R12.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, PerfeXion Platinum, 6000, 6000EX Double Hung H-Mulled Triple Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other: 109x74 (+/-50 PSF) Certification Agency Certificate FL5167 R42 C CAC 07-09-10-20 and 08-09-10-20 Waiver.pdf FL5167 R42 C CAC 07-75 waiver to 07-09.pdf FL5167 R42 C CAC 75-75 DH Triple 109x74 R-PG50.pdf Quality Assurance Contract Expiration Date 09/13/2026 Installation Instructions FL5167 R42 II IN0060 75-75 DH Triple or Twin 2X.pdf Verified By: Fenestration and Glazing Industry Alliance (formerly AAMA) Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
5167.17	75-75, 75-09, 07-75, 07-09, 07-10 and 07-20	Reflections 5500, Generations, Impressions 9800, 6500, PerfeXion Platinum, 6000, 6000EX Vinyl Double Hung H-Mulled Twin with Transom Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other: 73x111 *Glazing complies with ASTM E 1300-04. Certification Agency Certificate FL5167 R42 C CAC 07-75 waiver to 07-09.pdf FL5167 R42 C CAC 75-75 DH Twin w-Transom 73x111 R-PG50.pdf Quality Assurance Contract Expiration Date 09/13/2026 Installation Instructions FL5167 R42 II IN0062 75-75 DH Twin w Transom 1X.pdf Verified By: Fenestration and Glazing Industry Alliance (formerly AAMA) Created by Independent Third Party: Evaluation Reports FL5167 R42 AE EvalReport-IN0062-R8.pdf Created by Independent Third Party: Yes

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Product Approval Accepts:



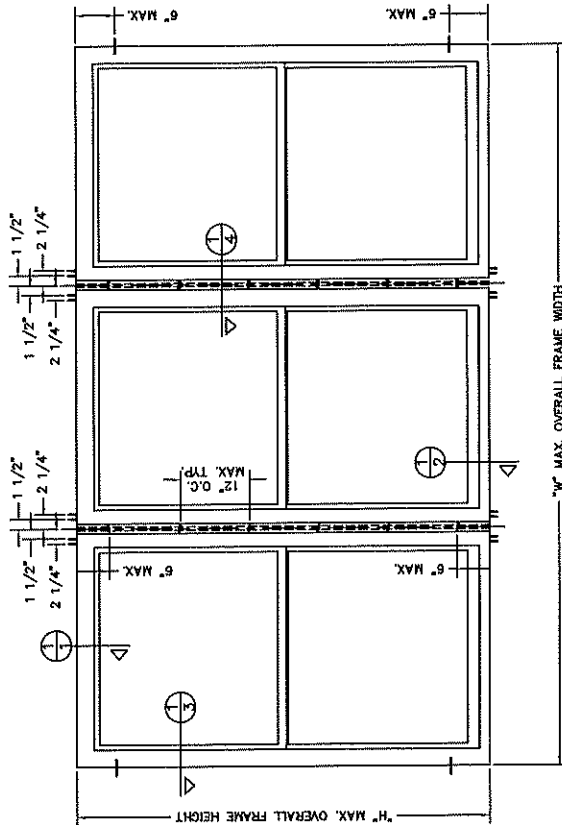
MODEL DESIGNATION: Simonton Double Hung Triple or Twin Series 75-75 Vinyl Window

MAXIMUM OVERALL NOMINAL SIZE: See Size Chart

DESIGN PRESSURE RATING: See Size Chart

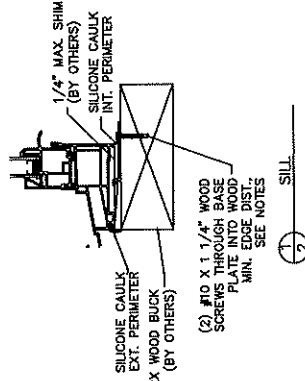
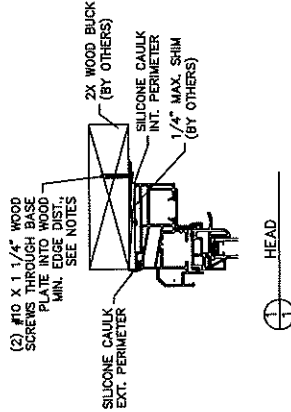
USABLE CONFIGURATIONS: X X X or X X

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



SIZE CHART			
CONFIGURATION	OVERALL SIZE		DP RATING
	WIDTH	HEIGHT	
TYPE	"W"	"H"	
	108"	74"	
TRIPLE	108"	74"	±50 PSF
	73"	74"	

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



NOTES:

1. THIS INSTALLATION HAS BEEN EVALUATED FOR USE IN LOCATIONS ADHERING TO THE 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. ONLY.
2. ALL INTERIOR AND EXTERIOR PERIMETER SURFACES OF THE WINDOW MUST BE CAULKED.
3. ANCHORS SHALL BE SPECIFIED AND SPACED AS SHOWN. ANCHOR EMBEDMENT INTO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO AND INTO WOOD. ANCHORS MUST ACHIEVE A MINIMUM EMBEDMENT OF 1 1/2" INTO WOOD AND MAINTAIN A MINIMUM EDGE DISTANCE OF 1".
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 (BY OTHERS) ARE OPTIONAL. MAXIMUM 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 IMPACT RESISTANT SHUTTERS OR OTHER EXTERNAL PROTECTION.
8. FLASHING (BY OTHERS) MUST BE APPLIED USING THE ASTM E 2112 METHOD APPROPRIATE FOR THE OPENING INTO WHICH THE WINDOW IS BEING INSTALLED.
9. GLAZING COMPLIES WITH ASTM E 1300.
10. 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, 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.
11. 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

FINISH: POLYMER
ALLOY & TREATMENT: ALUMINUM
WEIGHT: VOLUME
SURFACE AREA: PERIMETER
FINISH TREATMENT:

Dimensional Tolerances
Unless Otherwise Specified
Decimals Angles
X ± .03
XX ± .05
XXX ± .005

SIMONTON®
W I N D O W S
1 Codrane Avenue
Pemberton, WV 26415
SCALE: 1/4" = 1'-0"
SERIES: 75-75 TRIPLE or TWIN H-MULLED DOUBLE HUNG
TITLE: 1X BUCK INSTALLATION

REVISIONS: NO. DATE
4. UPDATED SIZES PER NEW TESTING. 06/02/13
5. UPDATED SIZES PER NEW TESTING. 06/28/13
6. ADDED MIN. EDGE DIST., SEE NOTES. 06/16/15
7. ADDED NOTES TO & 11 - AAMA 808 AND 809. 06/16/15
8. UPDATED NOTES 9 & 11. 11/13/17



Product Approval
USER: Public User

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

OFFICE OF THE
SECRETARY

FL #

FL5177-R39

FL5177.4

Application Type

Affirmation

Code Version

2023

Application Status

Approved

Comments

Archived



Product Manufacturer

Simonton

Address/Phone/Email

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 (614) 307-3278
 luanne.harris@cornerstone-bb.com

Authorized Signature

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 luanne.harris@simonton.com

Quality Assurance Representative

AAMA

Address/Phone/Email

1827 Walden Office Square
 Suite 550
 Schaumburg, IL 60173
 (847) 303-5664
 webmaster@aamanet.org

Category

Windows

Subcategory

Fixed

Compliance Method

Certification Mark or Listing

Certification Agency

Fenestration and Glazing Industry Alliance (formerly AAMA)

Validated By

Fenestration and Glazing Industry Alliance (formerly AAMA)

Referenced Standard and Year (of Standard)

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

Equivalence of Product Standards
 Certified By

Florida Licensed Professional Engineer or Architect
FL5177_R39_Equiv_Equivalency Letter FL5177 SS.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

[FL5177_R39_COC_8thEdFBC-FL5177.pdf](#)

Product Approval Method

Method 1 Option A

Date Submitted

12/18/2023

Date Validated

12/18/2023

Date Pending FBC Approval

Date Approved

12/31/2023

Summary of Products

FL #	Model, Number or Name	Description
5177.1	07-09 and 07-20 (Sunroom)	Reflections 5500, PerfeXion Platinum, 6000, 6000EX Vinyl Fixed Window for Sunrooms
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 37x84 (+/-50 PSF), 74x63 (+/-55 PSF), 96x72 (+/-45 PSF)		Certification Agency Certificate FL5177_R39_C_CAC_07-09 PW 37x84 R PG50.pdf FL5177_R39_C_CAC_07-09 PW 74x63 LC55.pdf FL5177_R39_C_CAC_07-20 PW 96x72 R PG45.pdf Quality Assurance Contract Expiration Date 06/23/2024 Installation Instructions FL5177_R39_II_IN0532_07-09 07-10 07-20 PW SUNROOM SS.pdf Verified By: Fenestration and Glazing Industry Alliance (formerly AAMA) Created by Independent Third Party: Evaluation Reports FL5177_R39_AE_PER7629 SS.pdf Created by Independent Third Party: Yes
5177.2	07-09, 07-10, 07-20 (Retrofit Installation)	Reflections 5500, Impressions 9800, Generations, PerfeXion Platinum, 6000, 6000EX Vinyl Fixed Window
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 74x63 (+/-55 PSF), 37x84 (+/-50 PSF)		Certification Agency Certificate FL5177_R39_C_CAC_07-09 PW 37x84 R PG50.pdf FL5177_R39_C_CAC_07-09 PW 74x63 LC55.pdf FL5177_R39_C_CAC_07-09-10-20 and 08-09-10-20 Waiver.pdf Quality Assurance Contract Expiration Date 06/23/2024 Installation Instructions FL5177_R39_II_IN0108_07-09 07-10 07-20 PW 2X.pdf FL5177_R39_II_IN0111_07-09 07-10 07-20 PW 1X.pdf Verified By: Fenestration and Glazing Industry Alliance (formerly AAMA) Created by Independent Third Party: Evaluation Reports FL5177_R39_AE_EvalReport-IN0111-R8.pdf Created by Independent Third Party: Yes
5177.3	07-20 (Nailing Fin Installation)	Reflections 5500, Impressions 9800, Generations, PerfeXion Platinum, 6000, 6000EX Vinyl Fixed Window
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 96x72 (+/-45 PSF), 37x84 (+/-50 PSF), 74x63 (+/-60 PSF)		Certification Agency Certificate FL5177_R39_C_CAC_07-20 PW 74x63 R PG60.pdf FL5177_R39_C_CAC_07-20 PW 96x72 R PG45.pdf FL5177_R39_C_CAC_07-20 PW 37x84 PG-R50.pdf Quality Assurance Contract Expiration Date 11/01/2024 Installation Instructions FL5177_R39_II_IN0514_07-20 PW 2X.pdf Verified By: Fenestration and Glazing Industry Alliance (formerly AAMA) Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
5177.4	07-75, 07-09, 07-10, 07-20	Reflections 5500, Impressions 9800, Generations, PerfeXion

		Platinum, 6500, 6000, 6000EX Vinyl Fixed Window
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 96x72 (+/-45 PSF), 63x63 (+/-55 PSF), 72x63 (+/-65 PSF)		Certification Agency Certificate FL5177 R39 C CAC 07-09-10-20 and 08-08-10-20 Waiver.pdf FL5177 R39 C CAC 07-75 PW (17108) 72x63 LC-PG65.pdf FL5177 R39 C CAC 07-75 PW (17109) 96x72 LC-PG45.pdf FL5177 R39 C CAC 07-75 PW (17112) 63x63 LC-PG55.pdf FL5177 R39 C CAC ACP-05 SIM 07-75 DH HS PW frame 07-09.pdf Quality Assurance Contract Expiration Date 11/17/2027 Installation Instructions FL5177 R39 II IN0221 07-75 07-09 07-10 07-20 PW 1X.pdf FL5177 R39 II IN0222-R6 07-75 07-09 07-10 07-20 PW 2X.pdf Verified By: Fenestration and Glazing Industry Alliance (formerly AAMA) Created by Independent Third Party: Evaluation Reports FL5177 R39 AE EvalReport-IN0221-R4.pdf Created by Independent Third Party: Yes
5177.5	08-08	ProFinish Contractor/Master, PerfeXion Contractor, 6000 Vinyl Fixed (No Hinge) Casement
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 96x72 (+/-25 PSF), 74x63 (+/-55 PSF)		Certification Agency Certificate FL5177 R39 C CAC 08-08 PW (10845) 74x63 LC-PG55.pdf FL5177 R39 C CAC 08-08 PW (10846) 92x72 LC-PG25.pdf Quality Assurance Contract Expiration Date 04/26/2027 Installation Instructions FL5177 R39 II IN0328 08-08 NH 2X.pdf Verified By: Fenestration and Glazing Industry Alliance (formerly AAMA) Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
5177.6	08-09, 08-10, 08-20	Reflections 5500, Generations, Impressions 9800, 6100, 6500, PerfeXion Platinum, 6000, 6000EX Vinyl Fixed (No Hinge) Casement
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 96x72 (+/-55 PSF), 80x63 (+/-60 PSF)		Certification Agency Certificate FL5177 R39 C CAC 07-09-10-20 and 08-09-10-20 Waiver.pdf FL5177 R39 C CAC 08-09 PW (17110) 80x63 LC-PG60.pdf FL5177 R39 C CAC 08-09 PW (17111) 96x72 LC-PG55.pdf Quality Assurance Contract Expiration Date 11/17/2027 Installation Instructions FL5177 R39 II IN0329-R5 08-09 NH 2X.pdf FL5177 R39 II IN0456 08-09 NH 1x.pdf Verified By: Fenestration and Glazing Industry Alliance (formerly AAMA) Created by Independent Third Party: Evaluation Reports FL5177 R39 AE EvalReport-IN0456-R5.pdf Created by Independent Third Party: Yes
5177.7	41-18	ProFinish Brickmould 300, PerfeXion BM 300 Vinyl Fixed Window
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 96x72 (+/-30 PSF), 96x63 (+/-50 PSF), 80x48 (+/-55 PSF)		Certification Agency Certificate FL5177 R39 C CAC 41-18 PW 80x48 LC55.pdf FL5177 R39 C CAC 41-18 PW 96x63 C50.pdf FL5177 R39 C CAC 41-18 PW 96x72-LC30.pdf Quality Assurance Contract Expiration Date 05/21/2026 Installation Instructions FL5177 R39 II IN0237 41-18 PW 2X.pdf Verified By: Fenestration and Glazing Industry Alliance (formerly AAMA) Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
5177.8	41-18	ProFinish Brickmould 300, PerfeXion BM 300 Vinyl Fixed Window Twin
Limits of Use Approved for use in HVHZ: No		Certification Agency Certificate FL5177 R39 C CAC 41-18 PW Twin 73x74-R50.pdf

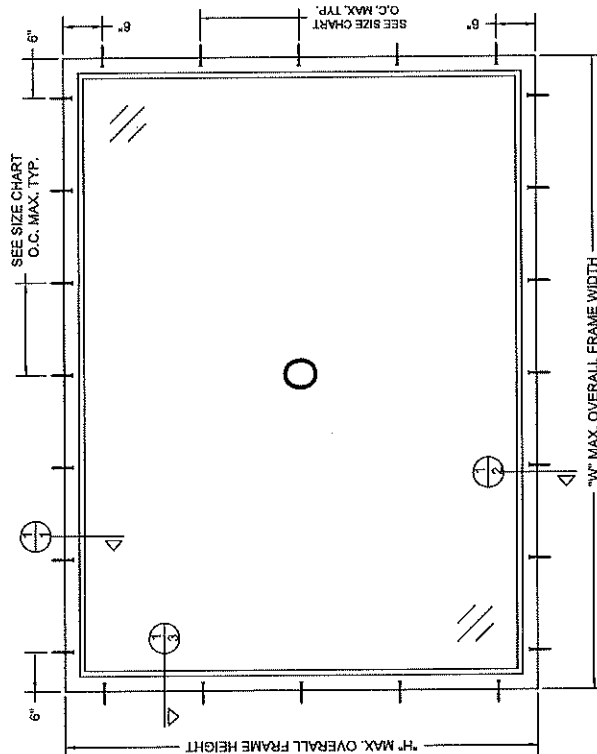
Vinyl Fixed Window

MAXIMUM OVERALL NOMINAL SIZE:

DESIGN PRESSURE RATING:

USABLE CONFIGURATIONS:

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

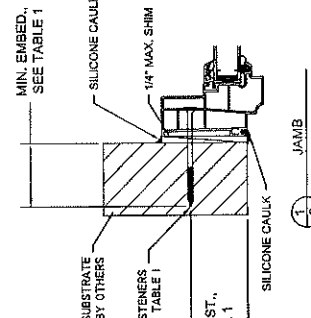
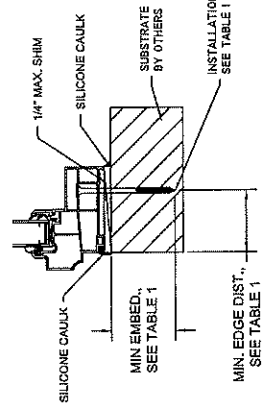
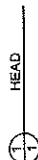
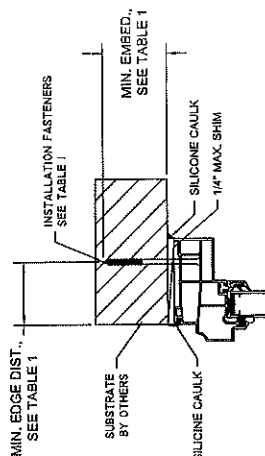


ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED DISTANCE	MIN. EDGE DISTANCE
A	CONCRETE (2 KSI MIN.)	1/4" ITW TAPCON	1"	1-1/4"
B	HOLLOW OR GROUP-FILLED CMU (117 LBF PGF MIN.)	1/4" ITW TAPCON	1"	2"
C	2X MIN. SOUTHERN PINE WOOD	1/4" ITW TAPCON	1-3/8"	1"
D	2X MIN. SOUTHERN PINE WOOD (G=0.55)	#12 WOOD SCREW	1-3/8"	1"
E	16 GAUGE (0.060") MIN. STEEL 1/8" ALUM. 3003S YIELD MIN.	#12-18 ITW TIEKS SELF-DRILLING SCREW	FULL THREAD	9/16"
F	1/8" ALUM. 8083S-15 MIN. OR 1/8" ALUM. 8083S-15 MIN. OR	#12 GRADE 5 SELF-TAPPING/	FULL THREAD	9/16"

TABLE 1: INSTALLATION FASTENERS TABLE

SIZE CHART			
OVERALL SIZE		DP RATING	O.C. SPACING
WIDTH	HEIGHT		
1" W"	72"	#45 PSF	14 1/4"
96"	72"	#45 PSF	13 1/4"
63"	63"	#55 PSF	11 1/4"
72"	63"	#65 PSF	11 1/4"

WIDTH AND HEIGHT CAN BE TRANSPOSED.



Notes.

- [illegible]

[illegible]

DISCLOSURE STATEMENT

WMS FINISH:	EXCEPT AS NOTED
	ALLOY & TEMPER:
WEIGHT:	
URFACE AREA:	

FINISH TREATMENT:

MATERIAL:



SIMONTON.
L N D O W S

	SIMONSTAR®		SIZE/ DRAWING NO.: 4		REV: 4
	W I N D O W S		DRAWN BY: DATE:	DATE:	
1 Cedarlane Avenue Pittsboro, WY 26415			T.D.D.	01/25/08	
			CHECKED BY: DATE:		
			APPROVED BY: DATE:		
SCALE: FIT			SHEET: 1 of 1	07/25/07	
SERIES: 07-59 / 07-10 / 07-20 PICTURE (FIXED) WINDOW					
TITLE: 1X BLUCK INSTALLATION					

FILE: EL5177

Simonton Series 07-75 / 07-09 / 07-10 / 07-20 Vinyl Fixed Window

See Size Chart

See Size Chart

O

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

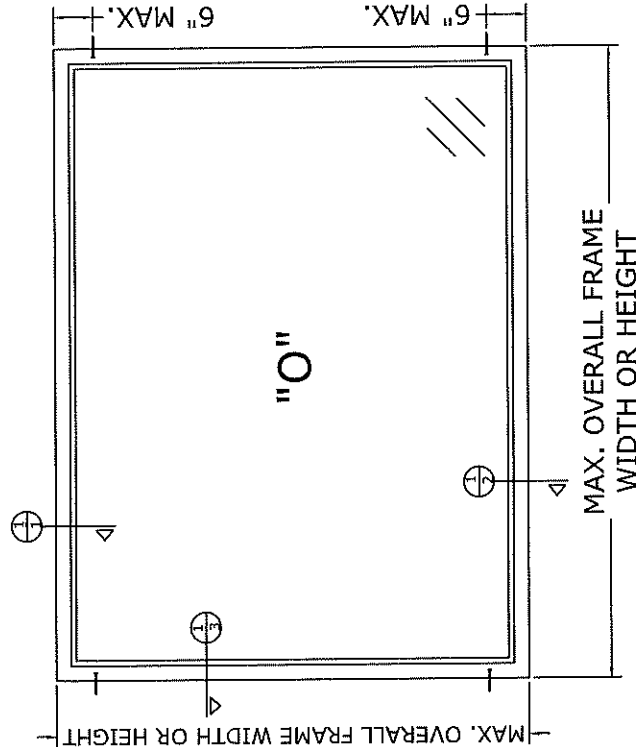
MODEL DESIGNATION:

MAXIMUM OVERALL NOMINAL SIZE:

DESIGN PRESSURE RATINGS:

USABLE CONFIGURATIONS:

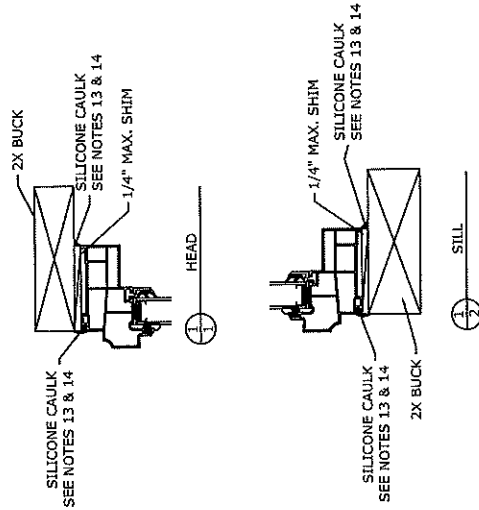
GENERAL DESCRIPTION:



SIZE CHART		
OVERALL SIZE	DP RATING	
WIDTH	HEIGHT	
"W"*	"H"*	
96"	72"	±45 PSF
63"	63"	±55 PSF
72"	63"	±65 PSF

*WIDTH AND HEIGHT CAN BE TRANPOSED.

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



NOTES:

1. This installation has been evaluated for use in locations adhering to the 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 1/4".
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. 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. This product complies with ASTM E 1300-04.
11. Designation "X" and "O" stand for the following: X: Operable Panel - O: Fixed Panel.
12. 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.
13. 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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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

SIMONTON®
W I N D O W S
1 Cochran Avenue
Pembroke, WV 26101
SCALE: FIT SHEET: 1 of 1
SERIES: 07-75 / 07-09 / 07-10 / 07-20 PICTURE WINDOW
TITLE: 2X BUCK INSTALLATION

REV.	DATE	REVISIONS:
1	06/06/11	1. D.O.
2	06/17/15	2. ADDED GLAZING DETAILS.
3	06/28/17	3. ADDED MIN. EDGE DIST. TO NOTES.
4	06/28/17	4. ADDED NOTES TO C13 AND NOTED HEIGHT AND JAMB SIZE CHART OF RATING PER NEW
5	04/05/19	5. TESTING.
6	05/28/19	6. UPDATED NOTES, REMOVE PREVIOUS #7 NOTE.



Product Approval
USER: Public User

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



FL #

FL14787-R5

FL 14787.1

Application Type

Affirmation

Code Version

2023

Application Status

Approved

Comments

Archived



Product Manufacturer

Simonton

Address/Phone/Email

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(614) 307-3278
luanne.harris@cornerstone-bb.com

Authorized Signature

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luanne.harris@cornerstone-bb.com

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Luanne Harris

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(614) 532-3596
luanne.harris@simonton.com

Quality Assurance Representative

AAMA

Address/Phone/Email

1827 Walden Office Square
Suite 550
Schaumburg, IL 60173
(847) 303-5664
webmaster@aamanet.org

Category

Windows

Subcategory

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

12/31/2026

Validated By

Scott Wolters, PE

☐ Validation Checklist - Hardcopy Received

Certificate of Independence

[FL14787 R5 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 R5 COC 8thEdFBC-FL14787.pdf](#)

Product Approval Method

Method 2 Option B

Date Submitted

10/11/2023

Date Validated

10/11/2023

Date Pending FBC Approval

Date Approved

10/19/2023

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 R5 II RM0015Br7.pdf Verified By: Lucas A.Turner PE #58201 Created by Independent Third Party: Yes Evaluation Reports FL14787 R5 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:

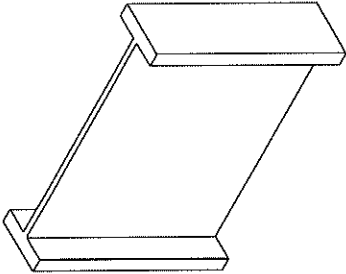


SIMONTON
1 COCHRAN AVE. FORT LAUDERDALE, FL 33304
TEL: 954-435-2244
EXTRUDED NON-IMPACT VINYL MULLIONS
WITH ALUMINUM REINFORCEMENT
ALL NON-IMPACT WINDOW SERIES

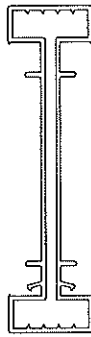
**MULLIONS MEET THE REQUIREMENTS OF THE CURRENT
FLORIDA BUILDING CODE.**

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 1	01/20/2012	CAP
5	Updated DP ratings chart and added new mullion covers.	06/20/2012	T.O.D.
6	Revised per 5th Ed. (2014) FBC	04/25/2015	LAT
7	Updated Note 1, Sheet 1	10/03/2017	LMH

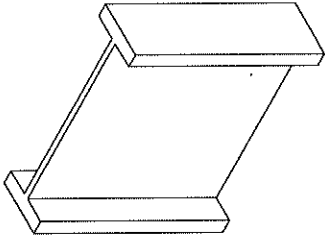


**LARGE MULLION
REINFORCEMENT CM0146
ALUMINUM 6063-T6**

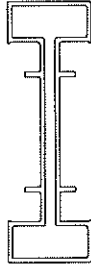


**5000 FIN & J FRAME VINYL
H-MULLION COVER #VPI-573
EXTRUDED VINYL 0.071" MIN.**

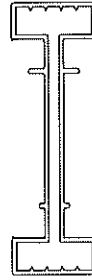
PRODUCT DESCRIPTION:
1. ALL MULLION REINFORCEMENTS ARE EXTRUDED ALUMINUM 6063-T6.
2. ALL MULLION COVERS ARE EXTRUDED VINYL. SEE ABOVE FOR INDIVIDUAL MULLION THICKNESS.



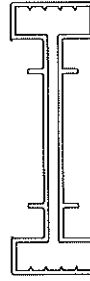
**LARGE MULLION
REINFORCEMENT #16991
ALUMINUM 6063-T6**



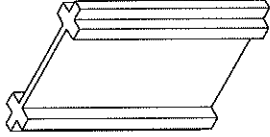
**PROFINISH LARGE VINYL
H-MULLION COVER #VPI-560
EXTRUDED VINYL 0.079" MIN.**



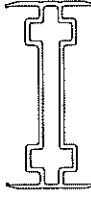
**RETROFIT LARGE VINYL
H-MULLION COVER #VPI-354
EXTRUDED VINYL 0.071" MIN.**



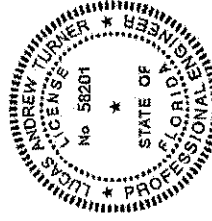
**4000 SERIES LARGE VINYL
H-MULLION COVER #VPI-354A
EXTRUDED VINYL 0.071" MIN.**



**MEDIUM MULLION
REINFORCEMENT #16990
ALUMINUM 6063-T6**



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

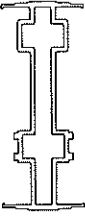


Lucas
Turner
2017-10-18
11:15+20:00

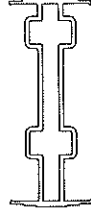
**4000 SERIES MEDIUM VINYL
H-MULLION COVER #MP0347
EXTRUDED VINYL 0.070" MIN.**



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



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

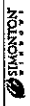


GENERAL NOTES:
1. THE FOUR (4) MULLION PRODUCTS MEET THE CURRENT FLORIDA BUILDING CODE SECTION 1709.B, INCLUDING L/175 DEFLECTION LIMIT, LOAD TRANSFER, AND FIBERSTRESS ANALYSES IN THE DESIGN PRESSURES SHOWN IN THE TABLES IN THIS DRAWING. THE ANALYSES DID NOT ADDRESS AIR OR WATER INFILTRATION. OVERALL 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.

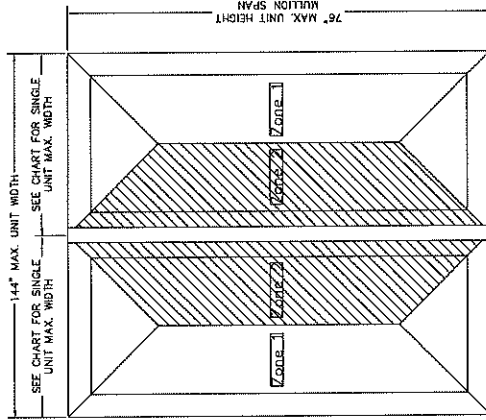
TABLE OF CONTENTS

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

SIMONTON 1 COCHRAN AVE. FORT LAUDERDALE, FL 33304 TEL: 954-435-2244 FAX: 954-435-2245 WWW.SIMONTON.COM	REVISION 1.0 10/03/2017 LMH
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 Fort Lauderdale, FL 33324
 1-800-428-2216

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



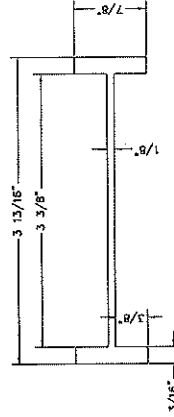
MAXIMUM SINGLE WINDOW WIDTH

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

MULLION TRIBUTARY WIDTH = SUM OF ZONE 2 WINDOW WIDTHS

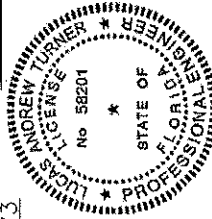
TABLE A - MAXIMUM DESIGN PRESSURES (PSF)
MULLION # CM0146

		Individual Unit Width																	
		24	28	32	36	40	44	48	52	56	60	64	68	72					72
Mullion Length	40	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	41	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	42	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	43	75	75	75	75	75	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	75	75	75	75	75
	45	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	46	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	47	75	75	75	75	75	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	75	75	75	75	75
	49	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
Mullion Length	50	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	51	75	75	75	75	75	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	75	75	75	75	75
	53	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	54	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	55	75	75	75	75	75	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	75	75	75	75	75
	57	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	58	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	59	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
Mullion Length	60	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	61	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	62	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	63	75	75	75	75	75	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	75	75	75	75	75
	65	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	66	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	67	75	75	75	75	75	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	75	75	75	75	75
	69	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
Mullion Length	70	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	71	75	75	75	75	75	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	75	75	75	75	75
	73	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	74	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	75	75	75	75	75	75	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	75	75	75	75	75
	77	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	78	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	79	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
Mullion Length	80	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	81	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	82	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	83	75	75	75	75	75	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	75	75	75	75	75
	85	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	86	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	87	75	75	75	75	75	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	75	75	75	75	75
	89	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
Mullion Length	90	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	91	75	75	75	75	75	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	75	75	75	75	75
	93	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	94	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	95	75	75	75	75	75	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	75	75	75	75	75
	97	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	98	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	99	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75



ALL FIN & J FRAMES H-MULLION
 LARGE VINYL MULLION COVER #VPI-573
 EXTRUDED VINYL .071" MIN.

LARGE MULL REINFORCEMENT #CM0146
 ALUMINUM 6063-T6




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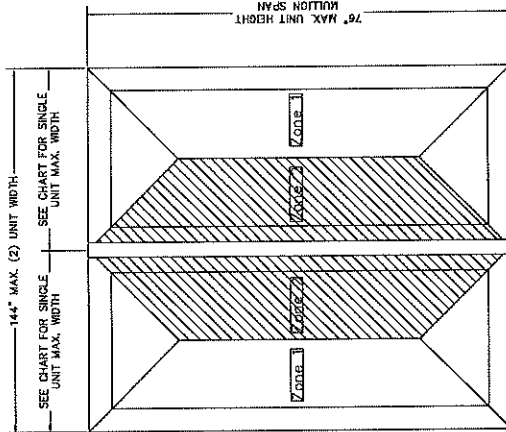
EXTRUDED NON-IMPACT VINYL MULLIONS
 WITH ALUMINUM REINFORCEMENT
 ALL NON-IMPACT WINDOW SERIES

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

[illegible]

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 1 CORDON ROAD, SUITE 200, WY 28415
 PH. 800-428-2248

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



MAXIMUM SINGLE WINDOW WIDTH

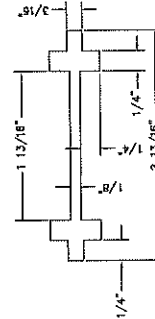
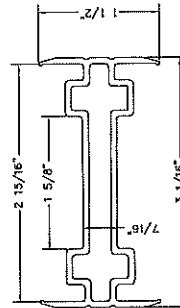
WINDOW TYPE	WINDOW WIDTH
SINGLE HUNG	52"
DOUBLE HUNG	56"
HORIZONTAL SLIDER	72"
CASEMENT	36"
FIXED	96"

MULLION TRIBUTARY WIDTH = SUM
 OF ZONE 2 WINDOW WIDTHS

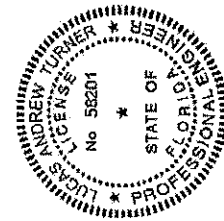
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REV.	DESCRIPTION	DATE	BY
3	Revised per 2007 Florida Building Code, Added Sheet 8.	04/15/2011	JRM
4	Revised per 2010 Florida Building Code, updated general notes and added new mullion covers.	01/20/2012	CAP
5	Updated DPA ratings chart and added new 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

TABLE C - MAXIMUM DESIGN PRESSURES (PSF)
 MULLION #16990

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



MEDIUM H-MULLION VINYL COVER #V346A MEDIUM MULL REINFORCEMENT #16990
 ALL NEW CONSTRUCTION ALUMINUM 6063-T6
 EXTRUDED VINYL .071" MIN.

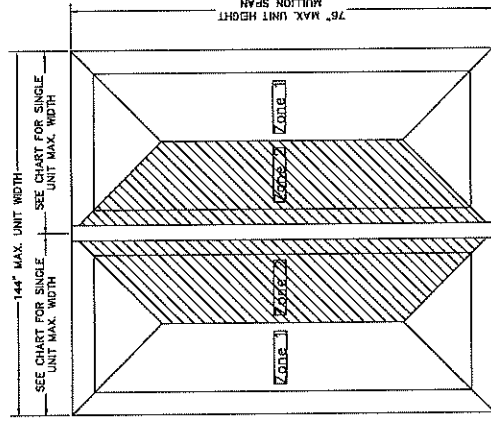


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 PH. 800-428-2248

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

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

SIMONTON
 1 COOPER DRIVE
 PH. 850-438-2218
 WY 26415
 EXTRUDED NON-IMPACT VINYL MULLIONS
 WITH ALUMINUM REINFORCEMENT
 ALL NON-IMPACT WINDOW SERIES

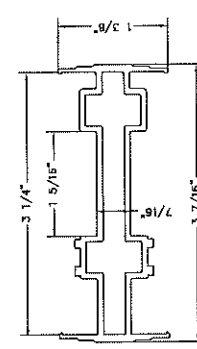


MAXIMUM SINGLE WINDOW WIDTH	
WINDOW TYPE	WINDOW WIDTH
DOUBLE HUNG	56"
HORIZONTAL SLIDER	72"
CASEMENT	36"
FIXED	36"

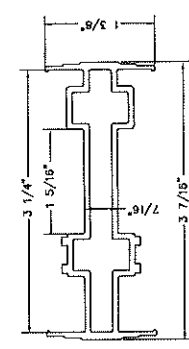
MULLION TRIBUTARY WIDTH = SUM OF ZONE 2 WINDOW WIDTHS

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

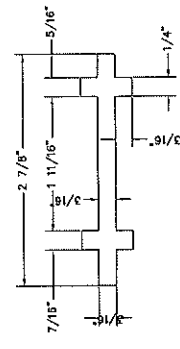
Mullion Length	Individual Unit Width											
	24	28	32	36	40	44	48	52	56	60	64	68
40	75	75	75	75	75	75	75	75	75	75	75	75
44	75	75	75	75	75	75	75	75	75	75	75	75
48	75	75	75	75	75	75	75	75	75	75	75	75
52	75	75	75	75	75	75	75	75	75	75	75	75
56	75	75	75	75	75	75	75	75	75	75	75	75
60	75	75	75	75	75	75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



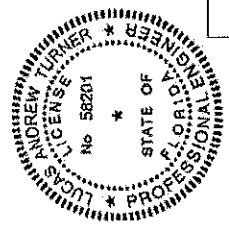
MEDIUM H-MULLION VINYL COVER #VPI-436
 FOR ANY RETROFIT HOOKED FRAME
 EXTRUDED VINYL .070" MIN.



MEDIUM H-MULLION VINYL COVER #VPI-436
 FOR ANY RETROFIT HOOKED FRAME
 EXTRUDED VINYL .070" MIN.



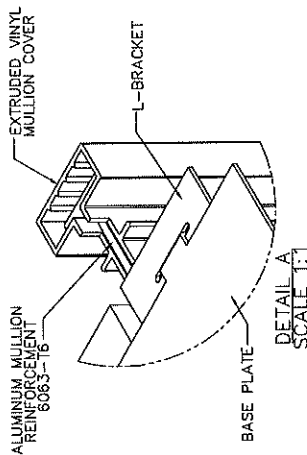
MEDIUM MULL REINFORCEMENT #20634
 ALUMINUM 6063-T6



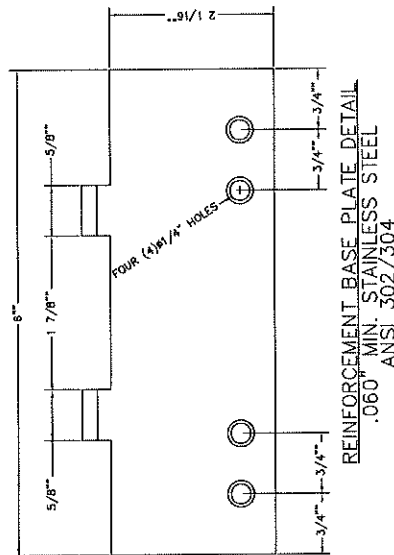
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REV.	DESCRIPTION	DATE	BY	REV.	DESCRIPTION	DATE	BY	REV.	DESCRIPTION	DATE	BY	REV.
3	Revised per 2007 Florida Building Code, Added Sheet 8.	04/15/2011	JRM	4	Revised per 2010 Florida Building Code, updated general notes and added new mullion covers.	01/20/2012	CAP	5	Updated DP ratings chart and added new mullion covers.	06/20/2012	T.D.D.	6
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.

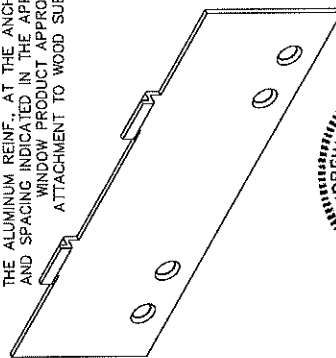
REVISIONS				
REV.	DESCRIPTION	DATE	BY	
3	Revised per 2007 Florida Building Code, updated Sheet B.	04/15/2011	JRM	
4	Revised per 2010 Florida Building Code, updated general notes sht.1.	06/20/2012	CAP	
5	Updated per ratings chart and added new mullion covers.	01/20/2014	T.O.D.	
6	Revised per 5th Ed.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



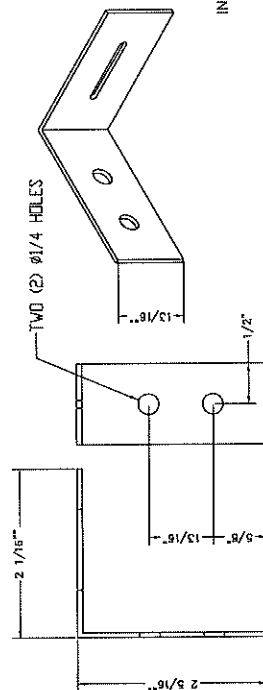
SEE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ATTACHING REINFORCED MULLIONS TO WINDOW UNITS. TYPICALLY USE SELF-TAPPING SCREW OF SUFFICIENT LENGTH TO FULLY ENGAGE THREADS THROUGH THE ALUMINUM REINF. AT THE ANCHOR SIZE AND SPACING INDICATED IN THE APPLICABLE WINDOW PRODUCT APPROVAL FOR ATTACHMENT TO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



L-BRACKET IS ATTACHED TO VINYL MULLION COVER AND MULLION REINFORCEMENT USING (2) RIVETS OR BARREL NUTS (305 LB. MAX. SHEAR) 2 PLACES EACH L-BRACKET (REFER TO TABLE 1)



A circular professional engineer seal for the State of Florida. The outer ring contains the text "ANDREW TURNER" at the top and "LUCAS" at the bottom, separated by stars. The inner circle contains the text "LICENSE" on the left, "No 58261" in the center, and "STATE OF FLORIDA" on the right, also separated by stars. The words "PROFESSIONAL ENGINEER" are written along the bottom inner edge of the seal.



SEE MANUFACTURER'S ATTACHMENT
INSTRUCTIONS FOR ATTACHING REINFORCED
MILLIONS TO WINDOW UNITS

ASSEMBLED MULLION ATTACHMENT VIEW

BARREL NUT	.25 DIA. STEEL RIVET WITH A GRIP LENGTH OF .50 MAX.
BARREL NUT	#10-24 OR #10-32 STAINLESS STEEL BARREL NUT. 2.50 O.D. X .25" LG. WITH 125 MIN ENGAGEMENT

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

- NOTES:
1. 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.
 2. MASONRY/CONCRETE: USE (2) 1/4" TAPCON OR ELCO ULTRACON ANCHORS AT HEAD AND SILL THROUGH BASE PLATES. SEE SHEET 8 FOR DETAILS.
 3. TWO (2) RIVETS OR BARREL NUTS ARE REQUIRED TO ATTACH L-BRACKETS TO ALUMINUM MULLION. SEE TABLE 1 (THIS SHEET).

SIMONTON

DATE: 10/3/2007

TIME: 10:30 AM

FROM: SIMONTON, PA

TO: SIMONTON, PA

SUBJECT: [REDACTED]

STATUS: [REDACTED]

CLASSIFICATION: [REDACTED]

CONTROL NUMBER: [REDACTED]

FILED IN: [REDACTED]

SEARCHED: [REDACTED]

SERIALIZED: [REDACTED]

INDEXED: [REDACTED]

FILED: [REDACTED]

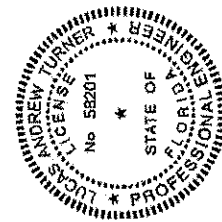
BY: [REDACTED]

OFFICE: [REDACTED]

AGENCY: [REDACTED]

REMARKS: [REDACTED]

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 per ratings chart and added new mill 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	

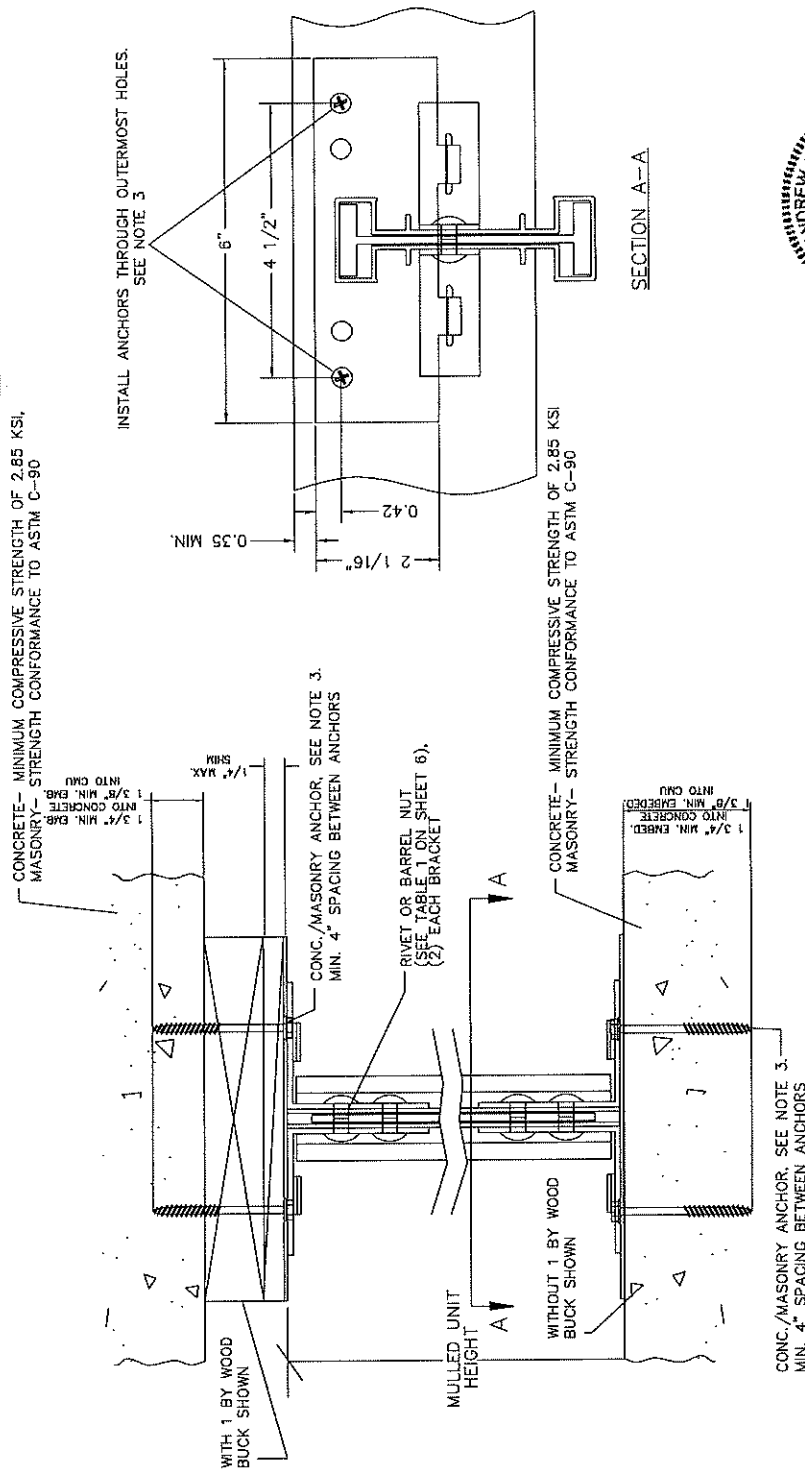


- NOTES:
1. THE MULLION PRODUCTS AND THEIR INSTALLATION COMPLY WITH FBC STRUCTURAL REQUIREMENTS AND ARE LIMITED TO USE OUTSIDE THE HVHZ.
 2. THE MULLIONS SHALL BE USED IN CONNECTION WITH FBC APPROVED PRODUCTS.
 3. ANCHORS SHALL HAVE 1 1/2" MINIMUM EMBEDMENT INTO WOOD AND 7/8" MINIMUM WOOD EDGE DISTANCE.
 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 SYSTEM IS REQUIRED.

[illegible]

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 and added new edition covers.	04/15/2011	JRM	
4	Revised per 2010 Florida Building Code, updated general notes and added new edition covers.	01/20/2012	CAP	
5	Updated per ratings chart and added new edition covers.	06/20/2012	T.D.D.	
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7	Updated Note 1, Sheet 1	10/03/2017	LMH	



VERTICAL CROSS SECTION WITH
MASONRY/CONCRETE SUBSTRATE

NOTES:

1. THE MULLION PRODUCTS AND THEIR INSTALLATION COMPLY WITH FBC STRUCTURAL REQUIREMENTS AND ARE LIMITED TO USE OUTSIDE THE HVHZ.
2. THE MULLIONS SHALL BE USED IN CONNECTION WITH FBC APPROVED PRODUCTS.
3. ANCHORS IN GROUT-FILLED CMU BLOCK (ASTM C-90 COMPLIANT) SHALL BE 1/4" ELCO ULTRACONS WITH 1 3/8" MIN. EMBED. TO BLOCK, AND 1" MIN. EDGE DIST.
4. ANCHORS IN SOLID CONCRETE (2.85 KSI MIN.) SHALL BE 3/16" ITW TAPCONS OR 1/4" ELCO ULTRACONS WITH 1 3/4" MIN. EMBED. TO CONCRETE, AND 1 1/8" MIN. EDGE DIST.
5. ATTACHMENT OF ALL 2X TREATED WOOD BUCKS SHALL BE ENGINEERED SEPARATELY BY OTHERS.
6. WOOD SHALL BE TREATED 2X SPRUCE, PINE, OR FIR.
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 SYSTEM IS REQUIRED.

