MODEL DESIGNATION: Simonton Impact Resistant Double Hung Series 42-19 Vinyl Window

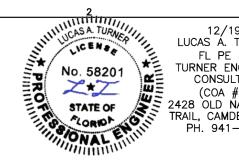
See Size Chart

See Size Chart MAXIMUM OVERALL NOMINAL SIZE:

**USABLE CONFIGURATIONS:**  $\frac{\mathsf{X}}{\mathsf{X}}$ 

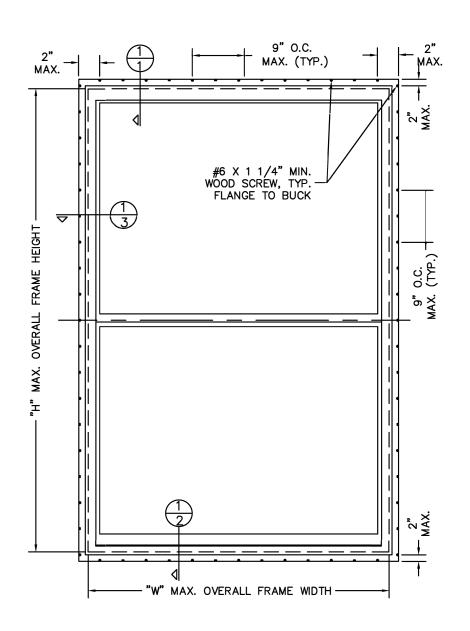
DESIGN PRESSURE RATING:

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".



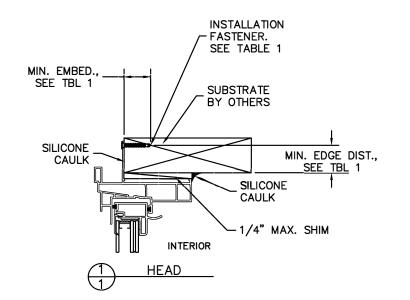
12/19/2023 LUCAS A. TURNER, P.E. FL PE # 58201 TURNER ENGINEERING & CONSULTING, INC. (COA # 29779) 2428 OLD NATCHEZ TRACE TRAIL, CAMDEN, TN 38320 PH. 941-380-1574

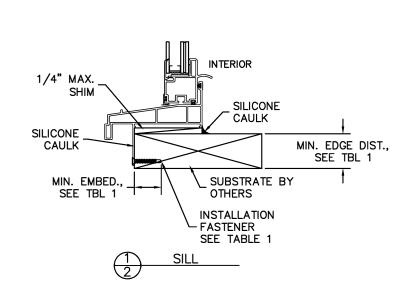
REV. #:	REVISIONS:	REVISED BY:	DATE:
1	ADDED 38 X 72 TO SIZE CHART PER NEW TESTING.	T.D.D.	06/19/12
2	UPDATE FOR MULTIPLE SUBSTRATE TYPES	L.A.T.	09/10/14
3	UPDATED NOTES	LMH	11/11/20
4	UPDATED FOR 8TH EDITION 2023 FBC	LMH	12/19/23
	•		

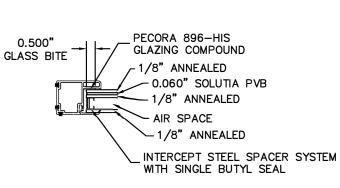


SIZE CHART					
OVERAI	LL SIZE				
WIDTH	HEIGHT	DP RATING			
"W"	"H"				
36"	63"				
36"	74"	±50 PSF			
38"	72"				

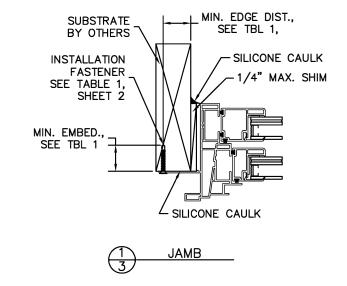
FILE: FL 5419







7/8" INSULATED ANNEALED IMPACT GLASS WITH 0.060" PVB INTERLAYER



TARIF 1.	FIN	INSTALLATIO	N FASTENERS	TARLE

ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED.	MIN. EDGE DISTANCE
		ANCHOR THROUGH FIN:		
Α	2X MIN. SOUTHERN PINE WOOD (G=0.55)	#6 WOOD SCREW	1"	3/8"

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	MATERIAL:			
h	RMS FINISH:		Dimensional	
er.	EXCEPT AS NOTED		<u>Unless Otherw</u>	<u>ise Specified</u>
ed	ALLOY & TEMPER:		-	•
or	l .			
or	WEIGHT:	VOLUME:	Decimals	Angles
				· ·
	SURFACE AREA:	PERIMETER:	$.X \pm .03$	
			.XX ± .01	0° 30 min.
•	FINISH TREATMENT:		.XXX ± .005	
	İ			

-2		SIZE: DRAWING	NO.: REV			
SIMO]	N TON°		540   4			
WINI	0 W S	DRAWN BY:	DATE:			
1 Cochrane Av		T.D.D.	04/19/12			
		CHECKED BY: DATE:				
Pennsboro, W						
CALE:	SHEET:	APPRV'D BY:	DATE:			
FIT	1 of 2					
ERIES:						
42-19 DOUBLE HUNG (IMPACT RESISTANT)						

FIN INSTALLATION, FIN ANCHOR TABLE

MODEL DESIGNATION: Simonton Impact Resistant Double Hung Series 42-19 Vinyl Window

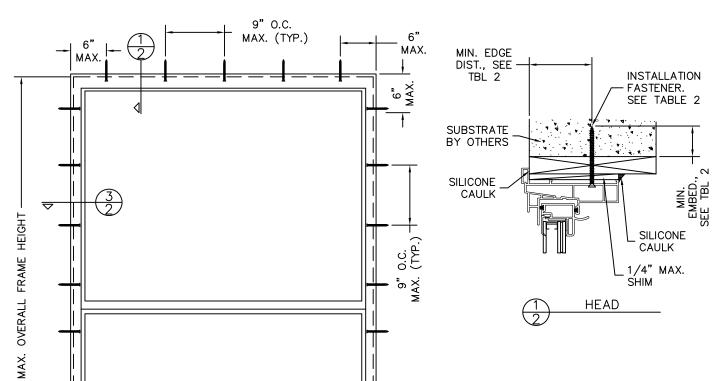
MAXIMUM OVERALL NOMINAL SIZE: See Size Chart

See Size Chart DESIGN PRESSURE RATING:

**USABLE CONFIGURATIONS:** 

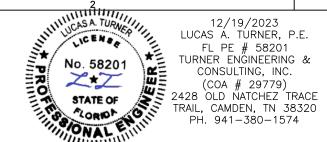
**GENERAL DESCRIPTION:** The head, sill, and side jambs are extruded PVC. The wall thickness

through which the anchor screw penetrates is a minimum of 0.070".

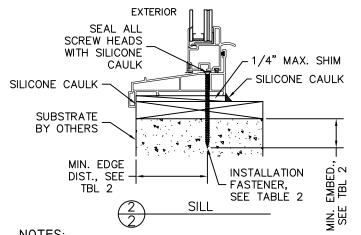


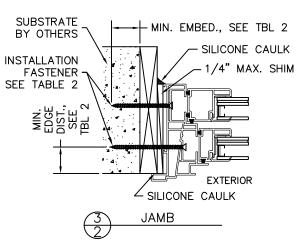
L	SIZE CHART						
Γ	OVERAL	L SIZE					
Γ	WIDTH	HEIGHT	DP RATING				
L	"W"	"H"					
	36"	63"					
	36"	74"	±50 PSF				
Γ	38"	72"					

FILE: FL 5419



REV. #:	REVISIONS:	REVISED BY:	DATE:
1	ADDED 38 X 72 TO SIZE CHART PER NEW TESTING.	T.D.D.	06/19/12
2	UPDATE FOR MULTIPLE SUBSTRATE TYPES	L.A.T.	09/10/14
3	UPDATED NOTES	LMH	11/11/20
4	UPDATED FOR 8TH EDITION 2023 FBC	LMH	12/19/23





## NOTES:

- 1. 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.
- 2. ALL INTERIOR PERIMETER SURFACES AND EXTERIOR FINS OF THE WINDOW MUST BE CAULKED.
- 3. ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS SPECIFIED IN THESE DRAWINGS.
- 4. Anchor embedment to substrate shall be beyond wall dressing or stucco. Fin installations to concrete/masonry openings REQUIRE THE USE OF 2X WOOD BUCKS BETWEEN PRODUCT AND SUBSTRATE, WITH PRODUCT INSTALLATION TO 2X BUCK AS INDICATED ON SHEET I. FOR FLANGE INSTALLATIONS TO CONCRETE/CMU OPENINGS, EMBEDMENT SHALL BE BEYOND WOOD BUCKS, IF USED, AND INTO SUBSTRATE, SEE SHEET 2. FLANGE INSTALLATIONS TO SOLID CONCRETE OR GROUT-FILLED CMU MAY INCLUDE BUT DO NOT REQUIRE IX WOOD BUCKS BETWEEN PRODUCT AND SUBSTRATE. FLANGE INSTALLATIONS TO HOLLOW CMU REQUIRE THE USE OF IX BUCKS BETWEEN PRODUCT AND SUBSTRATE.
- 5. WOOD OR MASONRY OPENINGS, BUCKS, AND BUCK FASTENERS, BY OTHERS, SHALL BE PROPERLY DESIGNED AND INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS AS SHOWN IN TABLE I, SHEET I, AND TABLE
- 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 CONFORMING TO MISSILE LEVEL C, WIND ZONE 2, THIS PRODUCT DOES NOT REQUIRE 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 DOOR IS BEING INSTALLED. OVERALL WATER PENETRATION RESISTANCE OF THE INSTALLED PRODUCT IS THE RESPONSIBILITY OF OTHERS.
- 10. GLAZING SHALL COMPLY WITH ASTM E 1300.
- 12. A MINIMUM CENTER-TO-CENTER SPACING OF 3" SHALL BE MAINTAINED BETWEEN ALL DWALT ULTRACONS IN ANY DIRECTION.
- 13. 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.
- 14. A WIND LOAD DURATION FACTOR CD = 1.6 WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.
- 15. WINDOWS SHALL BE CONSTRUCTED AS SPECIFIED IN TEST REPORTS A3993.01-501-47, A4937.01-501-47-R0, 7583.01-501-47-R1, B7589.0I-50I-47-R0, B770I.0I-50I-47-RI, AND B9722.0I-I09-47-RO BY ARCHITECTURAL TESTING, INC.

TABLE 2: 1X INSTAL	LATION FASTENERS 7	TABLE

ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED	MIN. EDGE DIST.
Α	CONCRETE (3.05 KSI MIN.)	3/16" DEWALT ULTRACON+	1"	1"
В	HOLLOW OR GROUT-FILLED CMU (ASTM C90)	3/16" DEWALT ULTRACON+	1-1/4"	2 1/2"

'W" MAX. OVERALL FRAME WIDTH

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	MATERIAL:				-,12			SIZE: DRAWING		REV.:
itter.	RMS FINISH:  EXCEPT AS NOTED  ALLOY & TEMPER:		Dimensional <u>Unless Otherwi</u>			SIMOI W I N I Cochrane Av	enue	1.D.D.	DATE: 04/19/	<u>4</u> /12
ole or		N.LIME.	Decimals	Angles		ennsboro, W		CHECKED BY:	DATE:	
WS		DLUME:	.X ± .03	Angles	SCALE:	FIT	SHEET: 2 of 2	APPRV'D BY:	DATE:	
is ce		RIMETER:	.XX ± .03 .XX ± .01 .XXX ± .005	0° 30 min.	SERIES:	42-19 DOL	JBLE HUNG (I	MPACT RESIST	ANT)	
	FINISH TREATMENT:		= 1000		TITLE: 1X BUC	K INSTALLAT	TON DETAILS,	NOTES, 1X AN	ICHOR TA	BLE

		SIZE:	DRAWING	NO.:	REV.
<b>∕∕</b> SIMO1	NTON°	В	INO:	540	4
7/8	o o w s	DRAW	VN BY:	DATE:	
			D.D.	04/19,	/12
1 Cochrane Avenue Pennsboro, WV 26415			KED BY:	DATE:	
ALE:	SHEET:	APPR	RV'D BY:	DATE:	
FIT	2 of 2				
RIES:					
42-19 DOL	JBLE HUNG (IN	/PAC	T RESIST	ANT)	
	•		•		

MODEL DESIGNATION: Simonton Impact Resistant Double Hung Series 42-19 Vinyl Window

See Size Chart

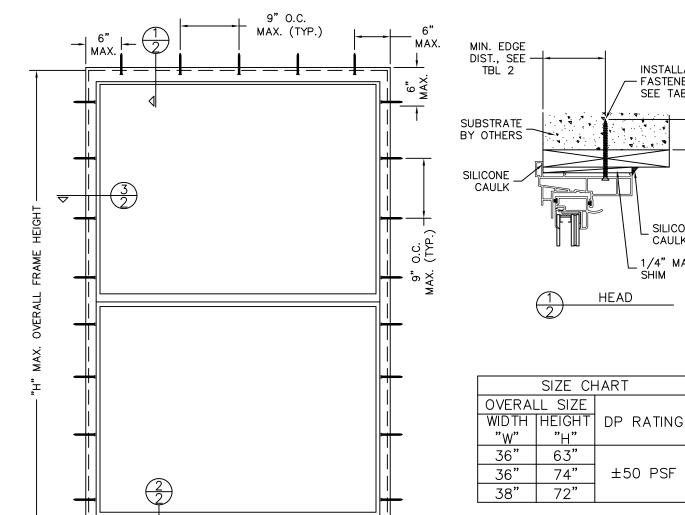
See Size Chart MAXIMUM OVERALL NOMINAL SIZE:

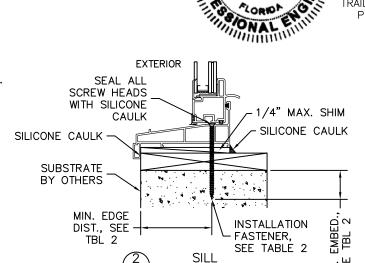
**USABLE CONFIGURATIONS:** 

DESIGN PRESSURE RATING:

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".





2428 OLD NATCHEZ TRACE UPDATED FOR 8TH EDITION 2023 FBC LMH TRAIL, CAMDEN, TN 38320 PH. 941-380-1574 **SUBSTRATE** MIN. EMBED., SEE TBL 2 BY OTHERS SILICONE CAULK INSTALL ATION /4" MAX. SHIM **FASTENER** SEE TABLE 2

**EXTERIOR** 

∠ SILICONE CAULK

JAMB

**REVISIONS:** 

ADDED 38 X 72 TO SIZE CHART PER NEW

UPDATE FOR MULTIPLE SUBSTRATE TYPES

UPDATED NOTES

REVISED BY

T.D.D.

L.A.T.

LMH

DATE:

06/19/12

09/10/14

11/11/20

12/19/23

## NOTES:

INSTALLATION

SEE TABLE 2

SILICONE

CAULK

1/4" MAX.

SHIM

FASTENER.

I. 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.

12/19/2023

LUCAS Á. TÚRNER, P.E.

FL PE # 58201 TURNER ENGINEERING &

CONSULTING, INC.

(COA # 29779)

2. ALL INTERIOR PERIMETER SURFACES AND EXTERIOR FINS OF THE WINDOW MUST BE CAULKED.

LICEN DE LINE

No. 58201

**ど**\*フ

STATE OF

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- 8. When used in areas requiring impact protection conforming to missile level C, wind zone 2, this product DOES NOT REQUIRE 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 DOOR IS BEING INSTALLED. OVERALL WATER PENETRATION RESISTANCE OF THE INSTALLED PRODUCT IS THE RESPONSIBILITY OF OTHERS.
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## TABLE 2: 1X INSTALLATION FASTENERS TABLE

ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED	MIN. EDGE DIST.
Α	CONCRETE (3.05 KSI MIN.)	3/16" DEWALT ULTRACON+	1"	1"
В	HOLLOW OR GROUT-FILLED CMU (ASTM C90)	3/16" DEWALT ULTRACON+	1-1/4"	2 1/2"

"W" MAX. OVERALL FRAME WIDTH

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FILE: FL 5419

MATERIAL:				
EXCEPT AS NOTED				
WEIGHT:	VOLUME:		Angles	SCAI
SURFACE AREA:	PERIMETER:	.XX ± .01	0° 30 min.	SERI
FINISH TREATMENT:		.XXX ± .005		TITLE 1X
	ALLOY & TEMPER: WEIGHT:	RMS FINISH:  EXCEPT AS NOTED  ALLOY & TEMPER:  WEIGHT:  VOLUME:  SURFACE AREA:  PERIMETER:	RMS FINISH:  EXCEPT AS NOTED  ALLOY & TEMPER:  WEIGHT:  VOLUME:  Decimals  SURFACE AREA:  PERIMETER:  X ± .03  XX ± .01	RMS FINISH:  EXCEPT AS NOTED  ALLOY & TEMPER:  WEIGHT:  VOLUME:  Dimensional Tolerances Unless Otherwise Specified  Decimals Angles  SURFACE AREA:  PERIMETER:  XX ± .03  .XX ± .01  .YX ± .025

			SIZE: DRAWING NO.:		REV.:				
SIMON TON°		B	IN0540		4				
WINI	0 W S	DRAV	VN BY:	DATE:					
1 Cochrane Avenue Pennsboro, WV 26415			D.D.	04/19/12					
			KED BY:	DATE:					
SCALE:	SHEET:	APPR	RV'D BY:	DATE:					
FIT	2 of 2								
SERIES:									
42-19 DOUBLE HUNG (IMPACT RESISTANT)									
TITLE:									
1X BUCK INSTALLATION DETAILS, NOTES, 1X ANCHOR TABLE									