

**MODEL DESIGNATION:** Simonton Impact Resistant Horizontal Slider Series 42-19 Vinyl Window

**MAXIMUM OVERALL NOMINAL SIZE:** Single up to 60" x 52"

**DESIGN PRESSURE RATING:** Positive: 50.0 PSF  
Negative: 50.0 PSF

**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".

Lucas A. Turner  
2016-03-07  
22:22-05:00



ZZ  
3/7/2016  
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REV. #	REVISIONS:	REVISED BY:	DATE:
1	ADDED 1X INSTALLATION	L.A.T.	01/31/15
2	ADDED TEMPERED OPTION	LMH	03/03/16
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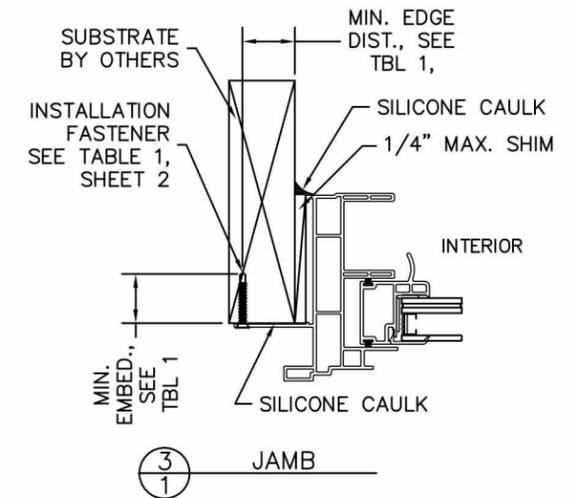
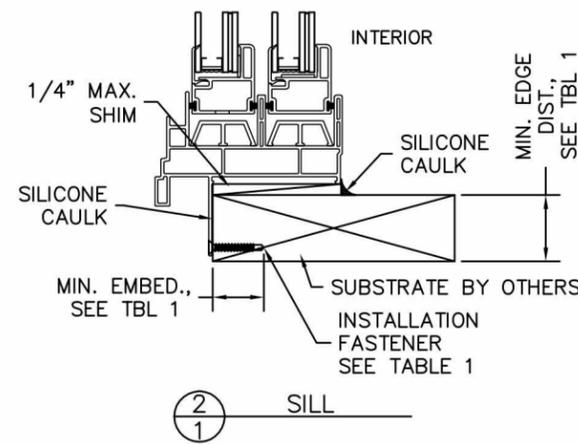
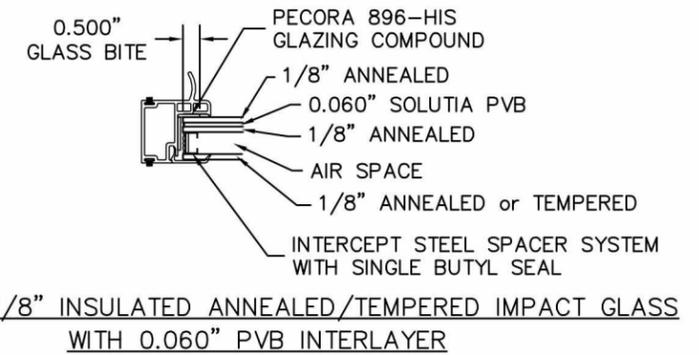
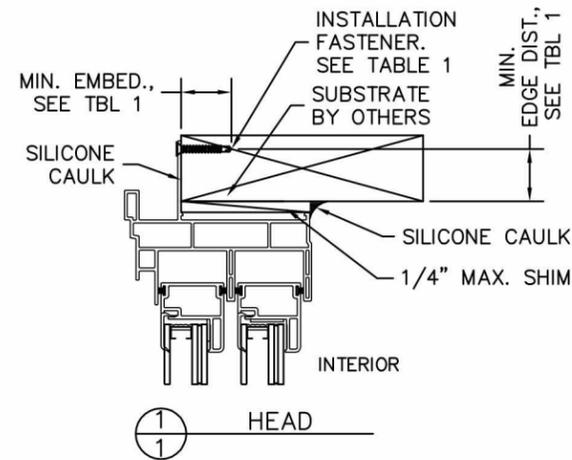
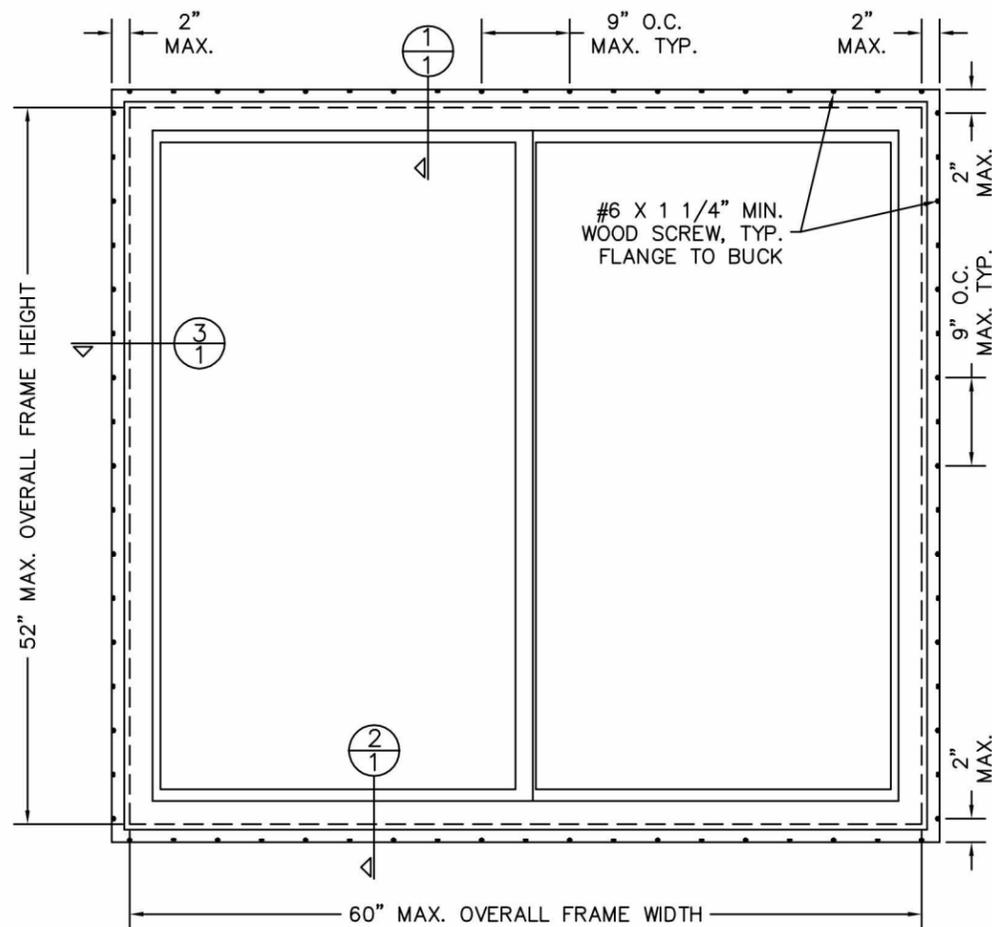


TABLE 1: FIN INSTALLATION FASTENERS TABLE

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

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FILE: IN0545

**MATERIAL:**

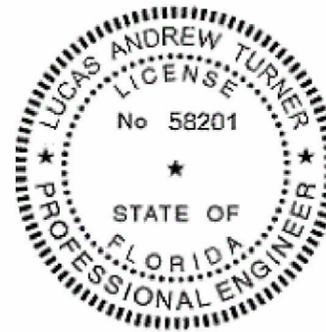
RMS FINISH:	
ALLOY & TEMPER:	EXCEPT AS NOTED
WEIGHT:	VOLUME:
SURFACE AREA:	PERIMETER:
FINISH TREATMENT:	

**Dimensional Tolerances Unless Otherwise Specified**

Decimals	Angles
.X ± .03	0° 30 min.
.XX ± .01	
.XXX ± .005	

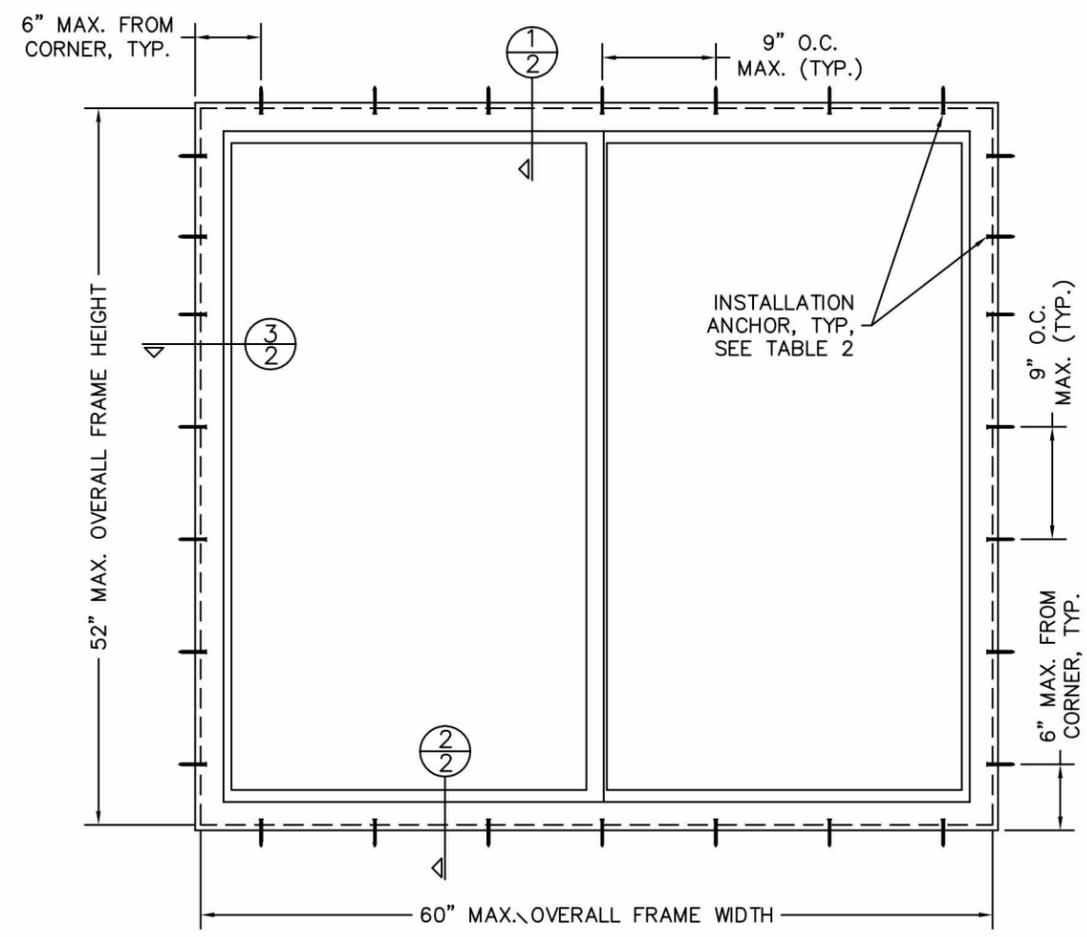
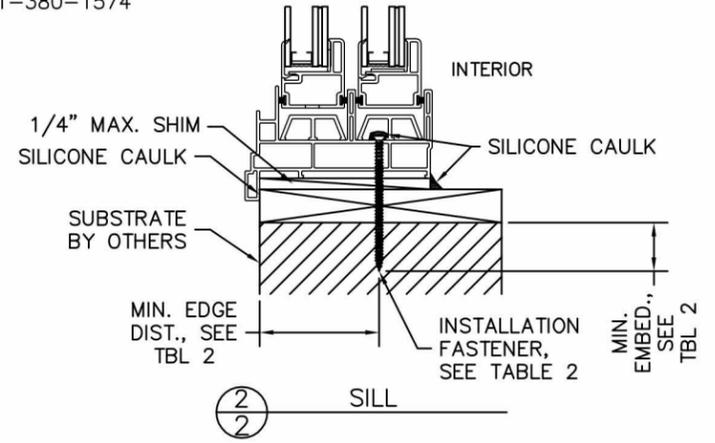
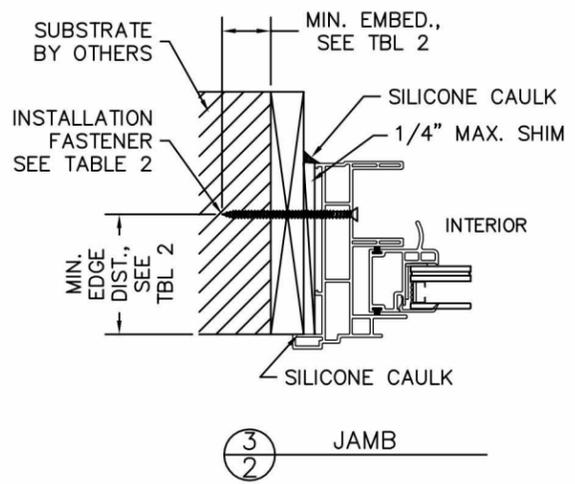
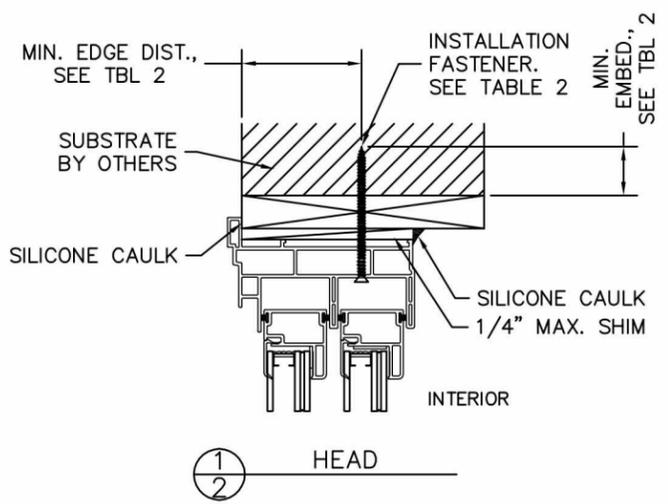


SIZE: B	DRAWING NO.: IN0545	REV.: 2
DRAWN BY: T.D.D.	DATE: 04/19/12	
CHECKED BY:	DATE:	
SCALE: FIT	SHEET: 1 of 2	APPR'VD BY: DATE:
SERIES: 42-19 IMPACT RESISTANT HORIZONTAL SLIDER		
TITLE: THROUGH-FIN 2X BUCK INSTALLATION		



3/7/2016  
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REV. #	REVISIONS:	REVISED BY:	DATE:
1	ADDED 1X INSTALLATION	L.A.T.	01/31/15
2	UPDATED TABLE 2. ADDED NOTES 15-17. ADDED TEST REPORT TO NOTE 14.	LMH	03/03/16
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**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 interior perimeter surfaces and exterior fins and brickmoulds of the window must be caulked.
- Anchor type, size, spacing, and embedment shall be as specified in these drawings.
- 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 1. 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 1x wood bucks between product and substrate. Flange installations to hollow CMU require the use of 1x bucks between product and substrate.
- 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 1, this sheet, and Table 2, sheet 2.
- 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 conforming to missile level C, wind zone 2, this product DOES NOT REQUIRE 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 door is being installed. Overall water penetration resistance of the installed product is the responsibility of others.
- Glazing shall comply with ASTM E 1300-04 and safety glazing requirements per FBC Section 2406.
- A minimum center-to-center spacing of 1-1/4" shall be maintained between all Elco Ultracons in any direction.
- 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.
- Windows shall be constructed as specified in test reports B7595.01-501-47-r1, A6990.01-501-47-r0 and E0148.01-109-r0 by Architectural Testing, Inc.
- For installation to metal substrates, anchors shall be long enough to be fully threaded through the metal thickness with an additional 3/16" min. of threads beyond.
- Use 100% pure silicone caulk compliant with AAMA 800 Section 1 - 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 see "Coastal Installation" on 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.

TABLE 2: 1X INSTALLATION FASTENERS TABLE

ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED	MIN. EDGE DIST.
A	CONCRETE (2.85 KSI MIN.)	3/16" ELCO ULTRACON	1"	1"
B	HOLLOW OR GROUT-FILLED CMU (ASTM C90)	3/16" ELCO ULTRACON	1-1/4"	2 1/2"
C	1/8" ALUM. 6063-T5 MIN. OR 1/8" STEEL 36 KSI MIN.	#10 GRADE 5 SELF-TAPPING/DRILLING SCREW	SEE NOTE 15	1/2"

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