

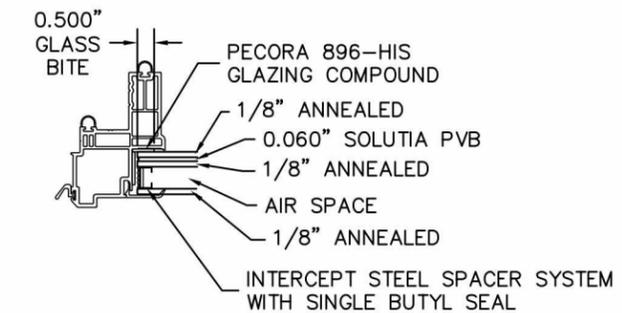
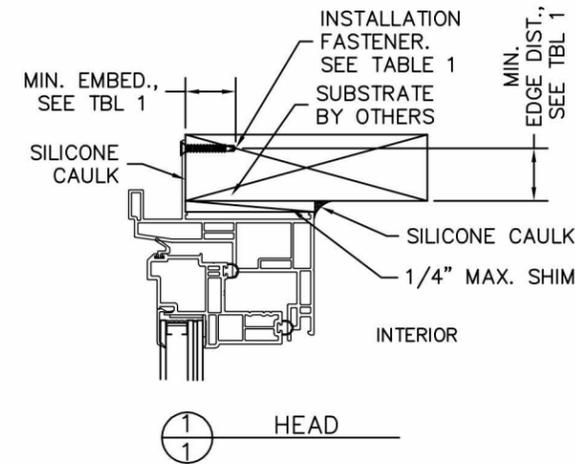
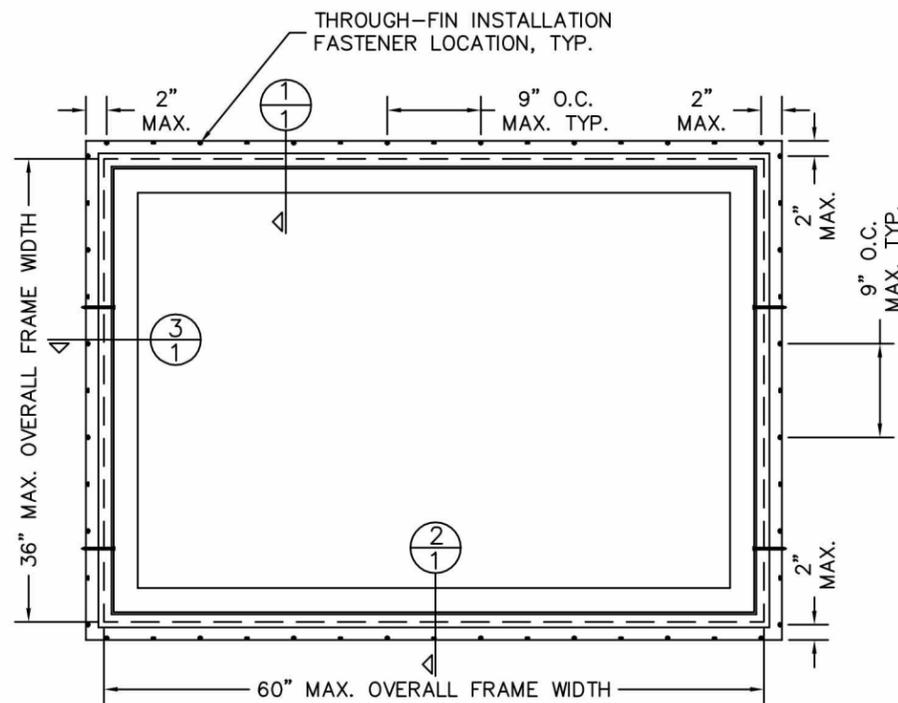
**MODEL DESIGNATION:** Simonton Impact Resistant Awning Series 42-19 Vinyl Window  
**MAXIMUM OVERALL NOMINAL SIZE:** Single up to 60" x 36"  
**DESIGN PRESSURE RATING:** Positive: 50.0 PSF  
 Negative: 50.0 PSF  
**USABLE CONFIGURATIONS:** X  
**GENERAL DESCRIPTION:** The head, sill, and side jambs are extruded PVC. The wall thickness through which the anchor screw penetrates is a minimum of 0.070".



22  
 1/31//2015  
 LUCAS A. TURNER, P.E.  
 FL PE # 58201  
 TURNER ENGINEERING &  
 CONSULTING, INC.  
 (COA # 29779)  
 1239 JABARA AVE.  
 NORTH PORT, FL 34288  
 PH. 941-380-1574

REV. #	REVISIONS:	REVISED BY:	DATE:
1	UPDATED FOR 1X BUCKS / MASONRY	L.A.T.	1/31/15
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Lucas A. Turner  
 2015-02-02  
 15:27-05:00



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

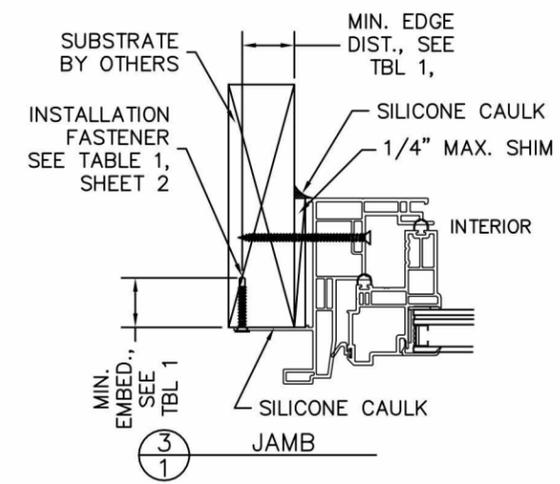
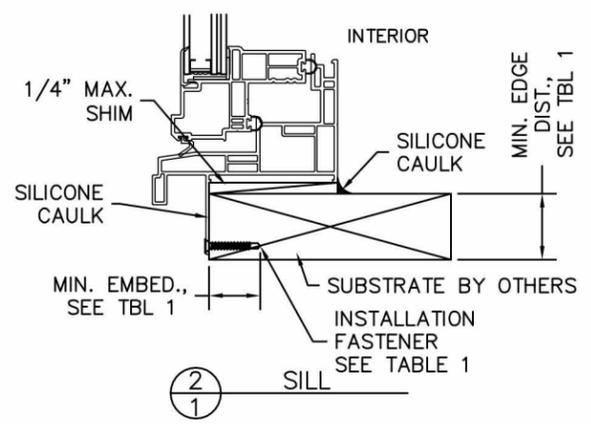


TABLE 1: FIN INSTALLATION FASTENERS TABLE

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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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  
 0° 30 min.

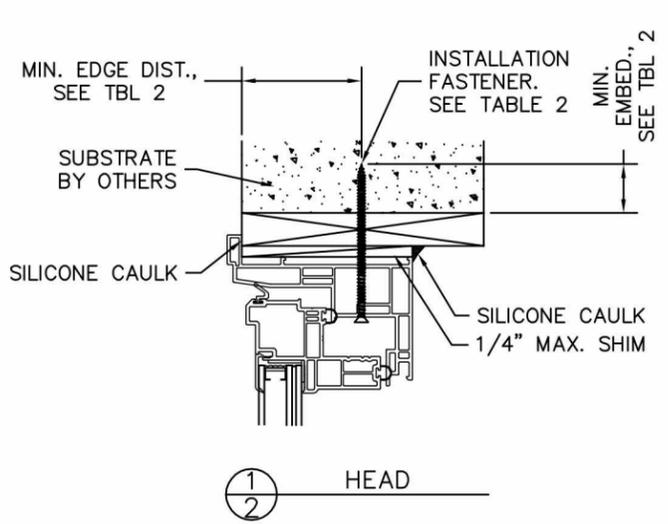


SIZE: B	DRAWING NO.: IN0544	REV.: 1
SCALE: FIT	SHEET: 1 of 2	APPR'VD BY: DATE:
SERIES: 42-19 IMPACT RESISTANT AWNING WINDOW	TITLE: THROUGH-FIN INSTALLATION, GLAZING DETAIL	

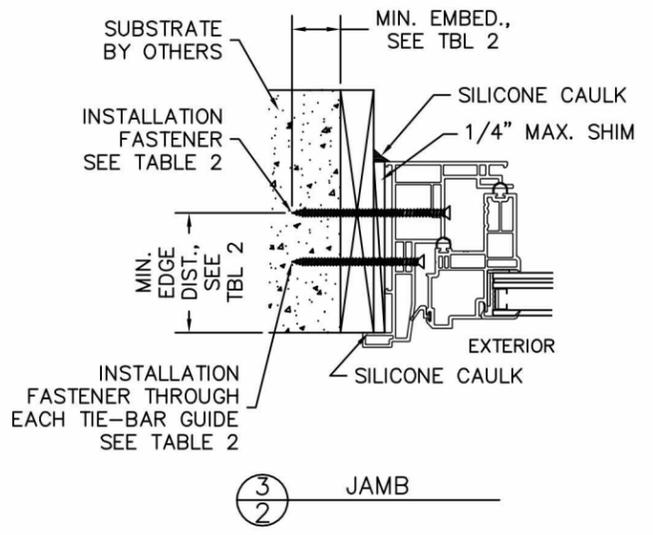
REV. #	REVISIONS:	REVISED BY:	DATE:
1	UPDATED FOR 1X BUCKS / MASONRY	L.A.T.	1/31/15
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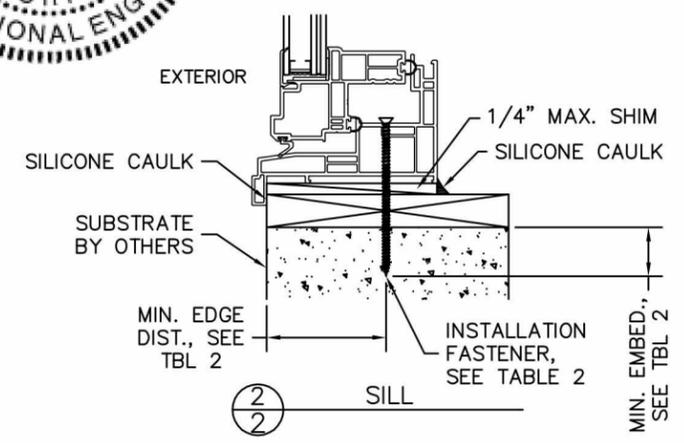
1/31//2015  
 LUCAS A. TURNER, P.E.  
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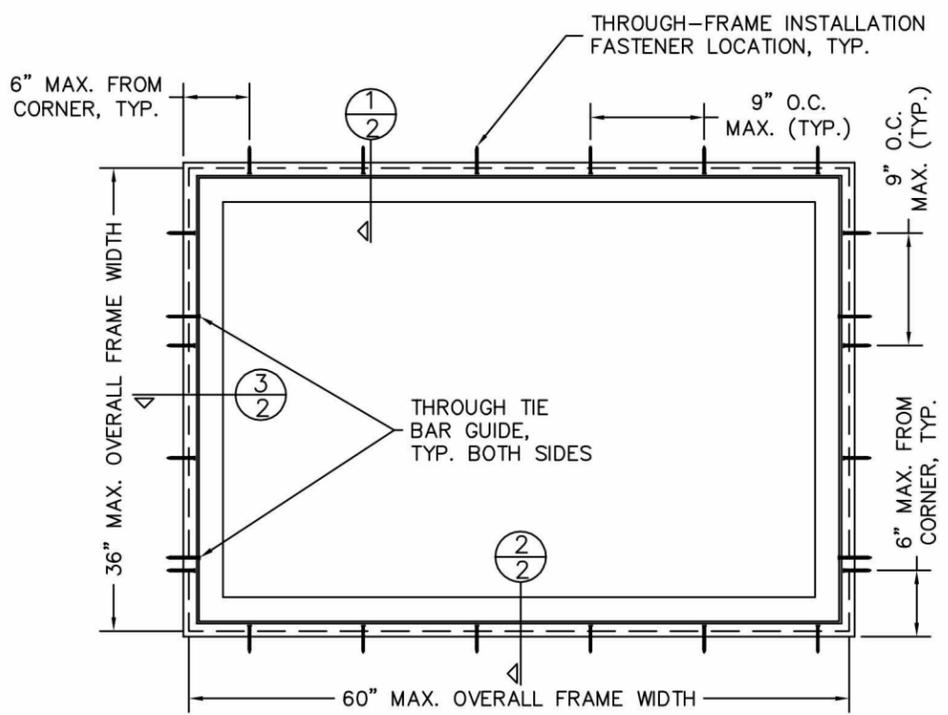
① HEAD



③ JAMB



② SILL



**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 and A6990.01-501-47-r0, by Architectural Testing, Inc.

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"

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FINISH TREATMENT:	

Dimensional Tolerances Unless Otherwise Specified	
Decimals	Angles
.X ± .03	0° 30 min.
.XX ± .01	
.XXX ± .005	

**SIMONTON**  
 WINDOWS  
 1 Cochrane Avenue  
 Pennsboro, WV 26415

SIZE: DRAWING NO.:  
 B IN0544

REV.:  
 1

DRAWN BY: T.D.D. DATE: 04/25/12

CHECKED BY: DATE:

SCALE: FIT SHEET: 2 of 2 APPR'VD BY: DATE:

SERIES: 42-19 IMPACT RESISTANT AWNING WINDOW

TITLE: NOTES, THROUGH-FRAME INSTALLATION

FILE: IN0544