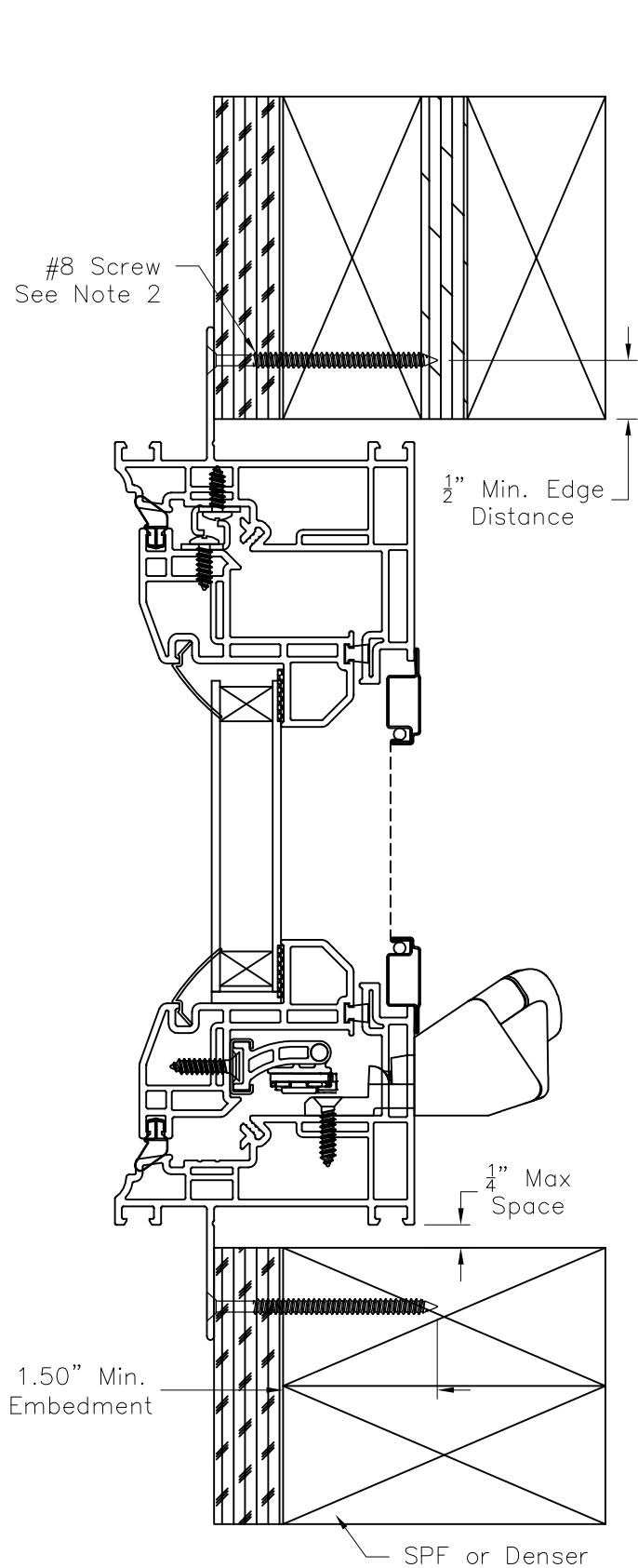
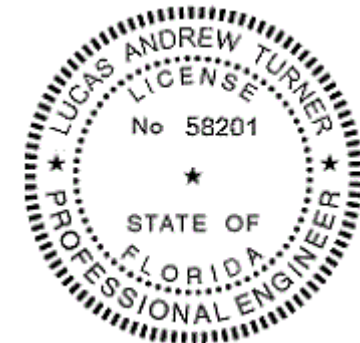




Lucas A. Turner
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11/17/2016
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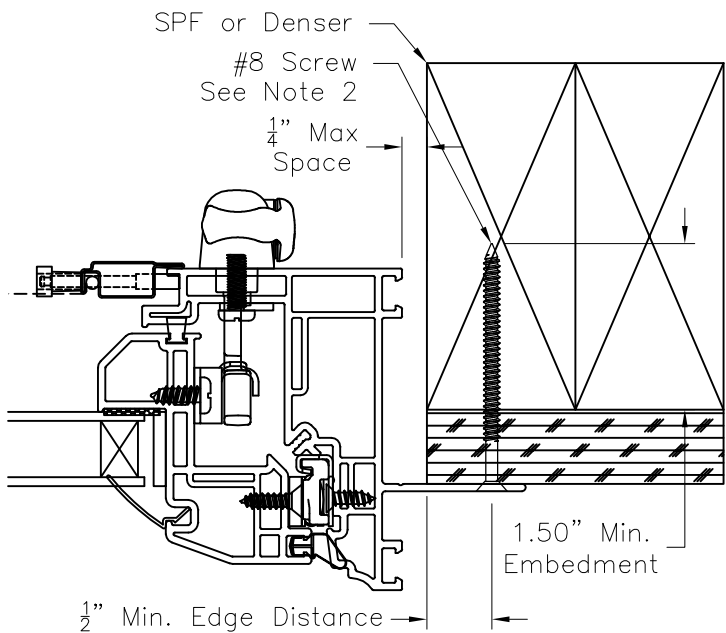
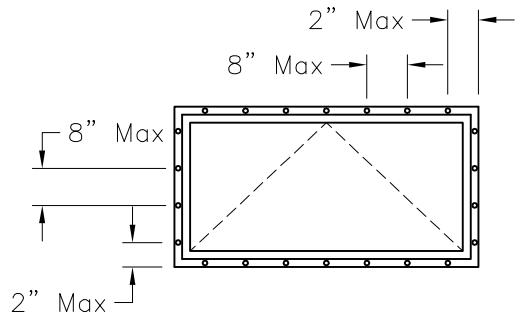


Table 1. Design Pressures (psf), X Configuration

		Window Height (in.)					
		16	20	24	28	32	36
Window Width (in.)	24	+60.0/-67.5	+60.0/-67.5	+60.0/-67.5	+60.0/-67.5	+60.0/-67.5	+60.0/-67.5
	28	+60.0/-67.5	+60.0/-67.5	+60.0/-67.5	+60.0/-67.5	+60.0/-67.5	+60.0/-67.5
	32	+60.0/-67.5	+60.0/-67.5	+60.0/-67.5	+60.0/-67.5	+57.0/-57.0	+57.0/-57.0
	36	+60.0/-67.5	+60.0/-67.5	+60.0/-67.5	+60.0/-67.5	+57.0/-57.0	+50.0/-50.0
	40	+60.0/-67.5	+60.0/-67.5	+60.0/-67.5	+60.0/-66.8	+57.0/-57.0	+45.0/-45.0
	44	+60.0/-67.5	+60.0/-67.5	+60.0/-63.3	+58.3/-58.3	+54.2/-54.2	+45.0/-45.0
	48	+60.0/-67.5	+60.0/-63.9	+56.7/-56.7	+51.4/-51.4	+47.8/-47.8	+45.0/-45.0
	52	+60.0/-60.0	+58.3/-58.3	+51.0/-51.0	+46.0/-46.0	+42.5/-42.5	+40.0/-40.0



- NOTES:
- INSTALLATIONS SHOWN ON THIS DRAWING HAVE BEEN VERIFIED AS THE AS-TESTED INSTALLATION FOR THE PERFORMANCE LEVEL SHOWN AND COMPARATIVE ANALYSIS CONFIRMED ANCHORAGE AT EACH SIZE/PRESSURE. VERIFIED PRODUCTS ARE LISTED IN TABLE 1. THIS DRAWING APPLIES ONLY TO THOSE PRODUCTS.
 - INSTALLATION ANCHORS SHALL BE #8 SCREWS OF SUFFICIENT LENGTH TO ACHIEVE MINIMUM EMBEDMENT OF 1.5" INTO WOOD FRAMING MEMBER. SCREWS SHALL SATISFY NATIONAL DESIGN SPECIFICATION FOR MATERIAL PROPERTIES AND DIMENSIONS. EDGE DISTANCES SHALL BE SUFFICIENT TO PREVENT SPLITTING.
 - WOOD FRAMING SHALL BE SPRUCE-PINE-FIR (G=0.42) OR DENSER.
 - INSTALLATION ANCHORS ARE SHOWN GOING THROUGH EXTERIOR FINISH. ANCHORS MAY BE INSTALLED DIRECTLY INTO WOOD FRAMING MEMBER WITH 1.5" MINIMUM EMBEDMENT STILL REQUIRED.
 - ANCHORS MUST BE INSTALLED WITHIN 1/2" OF THE INDICATED LOCATIONS AND MUST NOT EXCEED THE MAX. SPACING INDICATED HEREIN. SHIM AS NEEDED AT EACH ANCHOR LOCATION. SPACES GREATER THAN 1/16" REQUIRE THE USE OF LOAD-BEARING SHIMS. MAX SHIM SPACE IS 1/4".
 - INSTALLATION ANCHORS SHALL BE LOCATED 2" FROM CORNERS AND 8" MAXIMUM ON CENTER SPACING.
 - THESE INSTRUCTIONS ADDRESS STRUCTURAL REQUIREMENTS ONLY. WINDOWS SHALL BE INSTALLED PER ASTM E2112 OR FMA/AAMA 100.
 - GLAZING TYPE, GLASS TYPE, AND GLASS THICKNESS ARE ESTABLISHED BY PROJECT LOCATION AND SHALL SATISFY ASTM E1300. GLAZING TYPE SHALL BE INSULATING GLASS.
 - PRODUCTS LISTED IN TABLE 1 ARE NOT IMPACT RESISTANT. IF USED IN WIND-BORNE DEBRIS REGIONS, APPROVED PROTECTION DEVICES ARE REQUIRED.
 - PRODUCT OR INSTALLATION IS NOT APPROVED FOR HIGH VELOCITY HURRICANE ZONE (HVHZ).

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL TO ATRIUM CORPORATION AND SHALL NOT BE REPRODUCED, COPIED, OR DISSEMINATED WITHOUT THE EXPRESSED WRITTEN PERMISSION OF ATRIUM CORPORATION 		No.	Date	Revision Description	By	ECN #
		1	02.03.15	CHANGED O.C. SPACING FROM 12" TO 8"	SIM	---
		2	06.02.15	5TH ED. FBC UPDATES	BB	---
		3	09.07.16	COMPARATIVE ANALYSIS ADDED	LT	---
Title: Atrium Series 700 Awning Fin Installation Drawing		Material (Type—Alloy—Temper):		Est. Area (in ²): NA	Tolerances: Dim = ±0.03 Wall = ±0.005 Angle = ±0.5°	
		-----		Est. Weight (lb/ft): NA		
		Drawn By:	Approved By:	Date:	Scale:	Sheet Size:
		CRA	---	3—28—2011	1: 2	ANSI B
		ECN# (Initial Issue):		File Name:		Sheet 1/2
		2010—1856		ADW—00 700 AW ASSY		

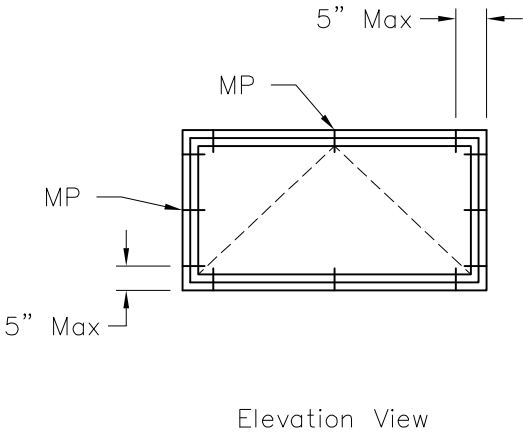
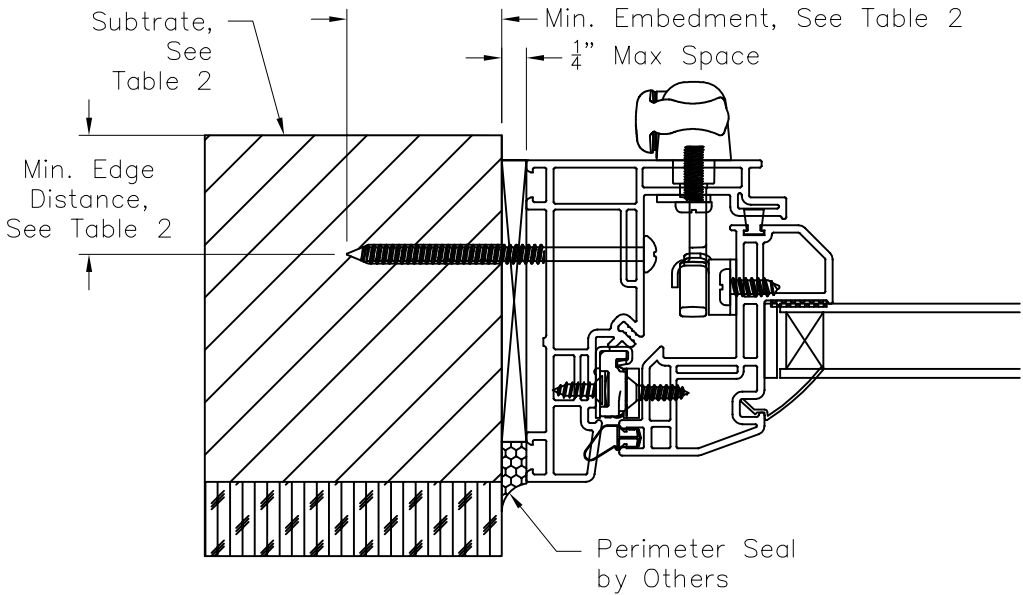
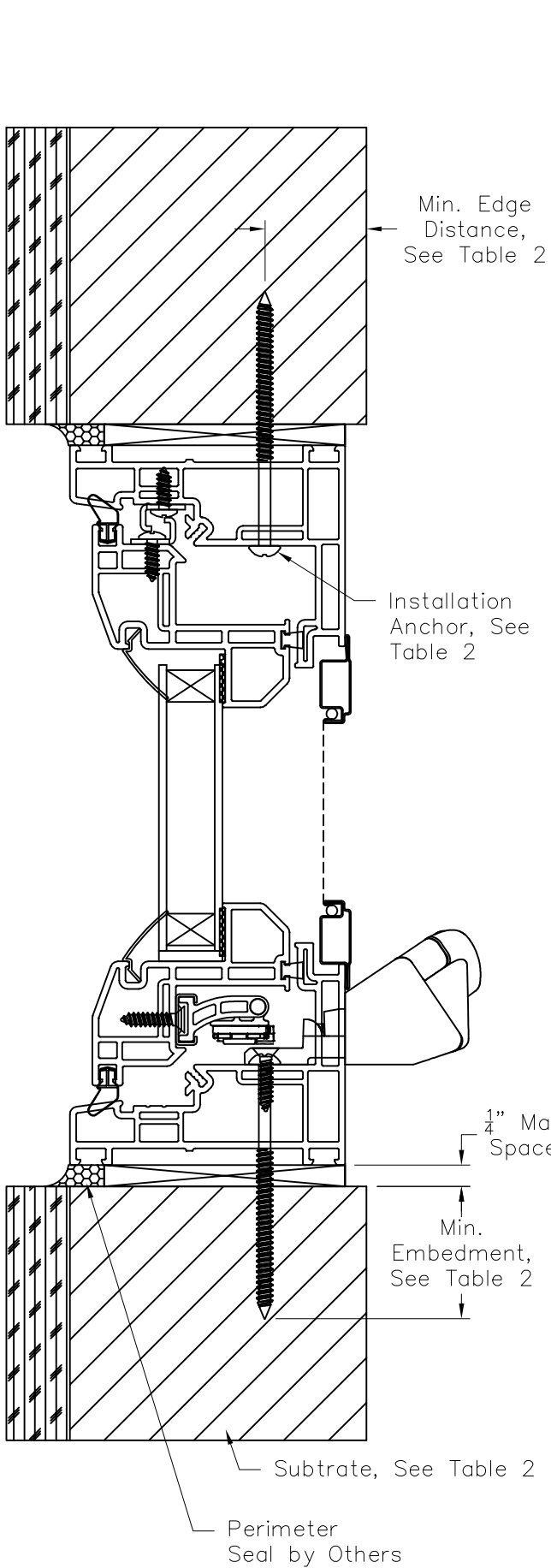


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	32	+60.0/-67.5	+60.0/-67.5	+60.0/-67.5	+60.0/-67.5	+57.0/-57.0	+57.0/-57.0
	36	+60.0/-67.5	+60.0/-67.5	+60.0/-67.5	+60.0/-67.5	+57.0/-57.0	+50.0/-50.0
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52	+60.0/-60.0	+58.3/-58.3	+51.0/-51.0	+46.0/-46.0	+42.5/-42.5	+40.0/-40.0	

Table 2. Finless Frame Installation Anchors Requirements

SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED.	MIN. EDGE DIST.
CONCRETE (2.0 KSI MIN)	3/16" ITW TAPCON	1"	1 1/8"
HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	1"	2"
CONCRETE (2.85 KSI MIN.)	3/16" ELCO ULTRACON	1"	1"
HOLLOW OR GROUT-FILLED CMU (ASTM C90)	3/16" ELCO ULTRACON	1-1/4"	2 1/2"
2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42)	#8 WOOD SCREW	1-3/8"	1"
16 GAUGE (0.060") MIN. STEEL STUD, 33KSI YIELD MIN., OR 1/8" ALUM. 6063-T5 MIN.	#10-16 HILTI KWIK-FLEX OR ITW TEKS SELF-DRILLING SCREW	FULL	1/2"

NOTES:

1. INSTALLATIONS SHOWN ON THIS DRAWING HAVE BEEN VERIFIED AS THE AS-TESTED INSTALLATION FOR THE PERFORMANCE LEVEL SHOWN AND COMPARATIVE ANALYSIS CONFIRMED ANCHORAGE AT EACH SIZE/PRESSURE. VERIFIED PRODUCTS ARE LISTED IN TABLE 1. THIS DRAWING APPLIES ONLY TO THOSE PRODUCTS.
2. INSTALLATION ANCHORS, EMBEDMENTS, AND EDGE DISTANCES SHALL BE AS INDICATED IN TABLE 2 AS APPROPRIATE FOR EACH SUBSTRATE TYPE.
5. ANCHORS MUST BE INSTALLED WITHIN 1/2" OF THE INDICATED LOCATIONS AND MUST NOT EXCEED THE MAX. SPACING INDICATED HEREIN. SHIM AS NEEDED AT EACH ANCHOR LOCATION. SPACES GREATER THAN 1/16" REQUIRE THE USE OF LOAD-BEARING SHIMS. MAX SHIM SPACE IS 1/4".
6. INSTALLATION ANCHORS SHALL BE LOCATED THROUGH THE HEAD, SILL AND JAMBS 5" FROM CORNERS AND AT THE MIDPOINTS (MP).
7. THESE INSTRUCTIONS ADDRESS STRUCTURAL REQUIREMENTS ONLY. WINDOWS SHALL BE INSTALLED PER ASTM E2112 OR FMA/AAMA 100.
8. GLAZING TYPE, GLASS TYPE, AND GLASS THICKNESS ARE ESTABLISHED BY PROJECT LOCATION AND SHALL SATISFY ASTM E1300. GLAZING TYPE SHALL BE INSULATING GLASS.
9. PRODUCTS LISTED IN TABLE 1 ARE NOT IMPACT RESISTANT. IF USED IN WIND-BORNE DEBRIS REGIONS, APPROVED PROTECTION DEVICES ARE REQUIRED.
10. PRODUCT OR INSTALLATION IS NOT APPROVED FOR HIGH VELOCITY HURRICANE ZONE (HVHZ).



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					2	06.02.15	5TH ED. FBC UPDATES		BB	---
					3	09.07.16	COMPARATIVE ANALYSIS ADDED		LT	---
Title: Atrium Series 700 Awning Finless Installation Drawing					Material (Type-Alloy-Temper): -----		Est. Area (in ²): NA Est. Weight (lb/ft): NA		Tolerances: Dim = ±0.03 Wall = ±0.005 Angle = ±0.5°	
					Drawn By: CRA	Approved By: ---	Date: 3-28-2011	Scale: 1:2	Sheet Size: ANSI B	
ECN# (Initial Issue): 2010-1856					File Name: ADW-00 700 AW ASSY					Sheet 2/2