



EXTRUDED ALUMINUM LOUVER

MODEL: 4-SRF

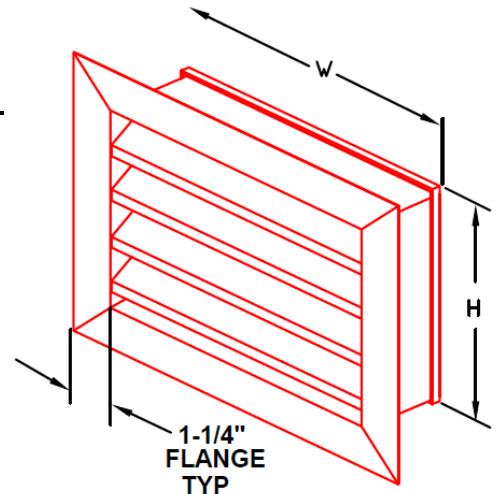
IMPACT RESISTANT LOUVER

Miami Dade Approved-NOA No. 13-0207.04



APPLICATION

The 4-SRF Stationary Louver with Flange Frame is a 4" deep louver for the protection of high air intake velocities and exhaust in building exterior walls. The 4-SRF is a capable louver with AMCA STD 500 Performance Data allowing designers to select.

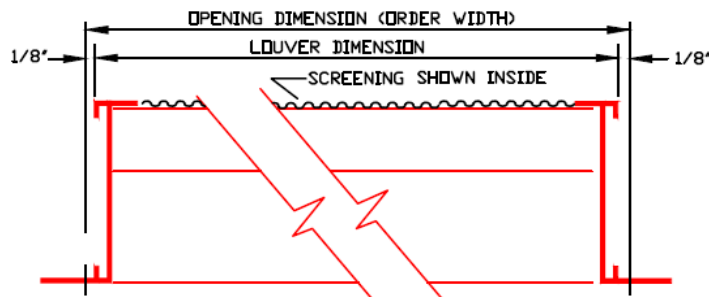
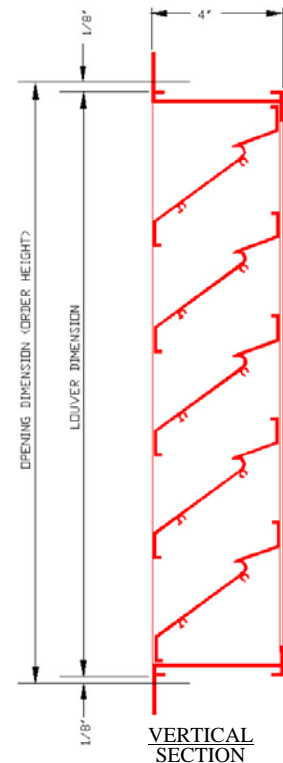
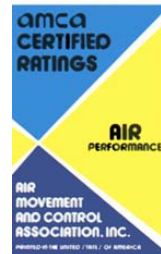


SPECIFICATIONS

- Frame:** 0.081 thick extruded aluminum
6063-T5 mill finish
- Blade:** 0.081 thick extruded aluminum
6063-T5 mill finish
- Blade Spacing:** Approximately 3-1/4" center to center (except at head and sills)
- Fasteners:** 10" x 3/4" tek screws
- Blade Angle:** 36°
- Screen:** Bird screen
1/2" x 1/2" galvanized steel
- Flange:** 1-1/4"

OPTIONS

- Insect Screen 1/16" x 1/16" Aluminum
- Bird Screen 1/2" x 1/2" Aluminum
- Finish:** Clear Anodized
Color Anodized
Powder Coat Paint
Baked Enamel Paint



HORIZONTAL SECTION

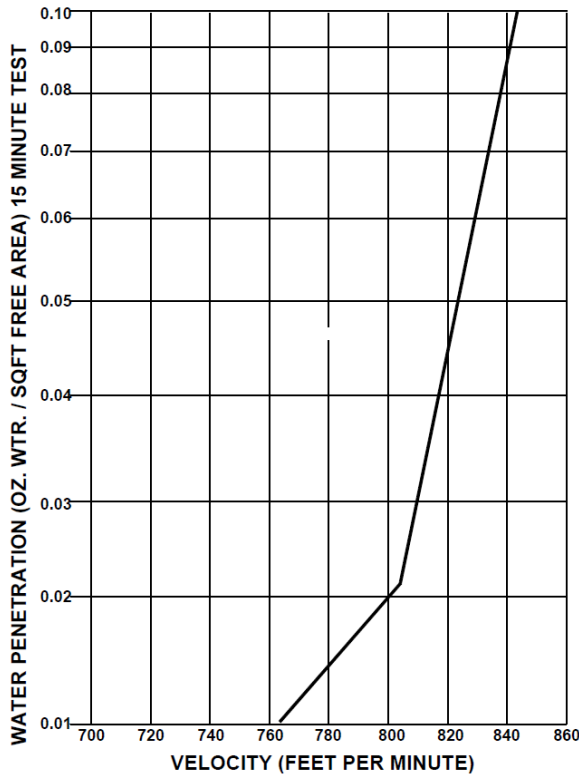
VERTICAL SECTION





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Test on a 48"x48' size louver
WATER PENETRATION TEST

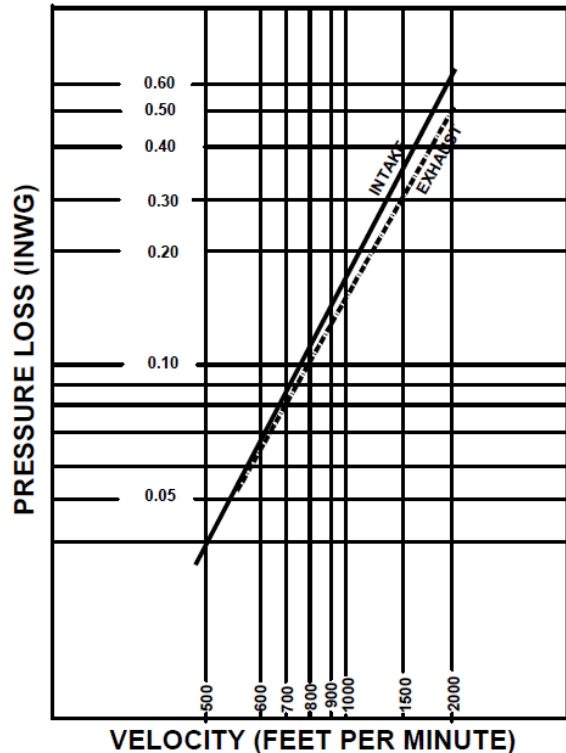


The beginning point of water penetration is 713 FPM @ 0.01 OZ/SQ.FT. of free area.

Performance testing in accordance with AMCA STD 500

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AIR RESISTANCE TEST



Louver size determination

cfm /	fpm =	ft ²
air flow volume	free area velocity @ beginning point of water penetration	Required Louver Free Area

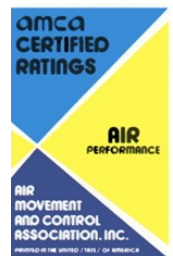
**Select louver size from Free Area Chart below,
based on required louver free area above**

**Determine pressure drop from Pressure Drop Chart
based on required louver free area above**

FREE AREA IN SQ. FT.

WIDTH

HEIGHT	WIDTH							
	12"	18"	24"	30"	36"	42"	48"	54"
12"	0.24	0.41	0.57	0.74	0.90	1.06	1.23	1.47
24"	0.65	1.09	1.54	1.93	2.46	2.91	3.35	3.75
30"	0.81	1.30	1.84	2.37	2.93	3.47	3.99	4.46
36"	0.99	1.75	2.46	3.18	3.93	4.64	5.34	5.98
42"	1.22	2.16	3.05	3.94	4.86	5.75	6.62	7.41
48"	1.43	2.60	3.67	4.74	5.86	6.93	7.97	8.93
54"	1.60	2.81	3.97	5.12	6.33	7.48	8.61	9.64
60"	1.80	3.26	4.59	5.93	7.33	8.66	9.96	11.16
66"	1.90	3.70	5.22	6.74	8.32	9.84	11.32	12.68
72"	2.20	3.91	5.51	7.12	8.79	10.40	11.96	13.39
78"	2.43	4.35	6.13	7.92	9.79	11.57	13.31	14.91
84"	2.61	4.77	6.72	8.68	10.72	12.68	14.59	16.34
90"	2.87	5.21	7.35	9.49	11.72	13.86	15.94	17.85



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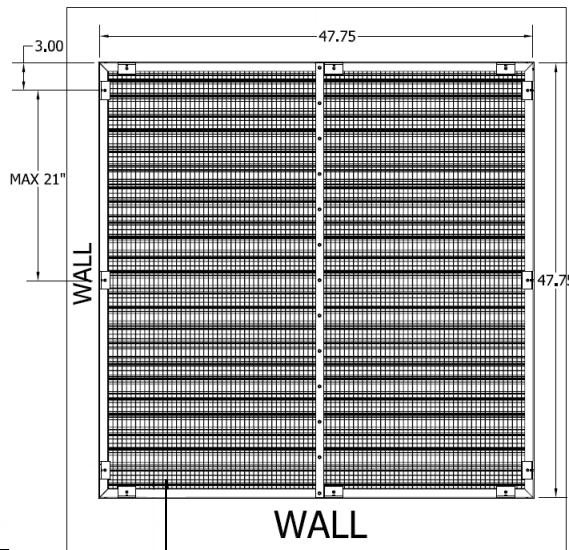
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INSTALLATION INSTRUCTION

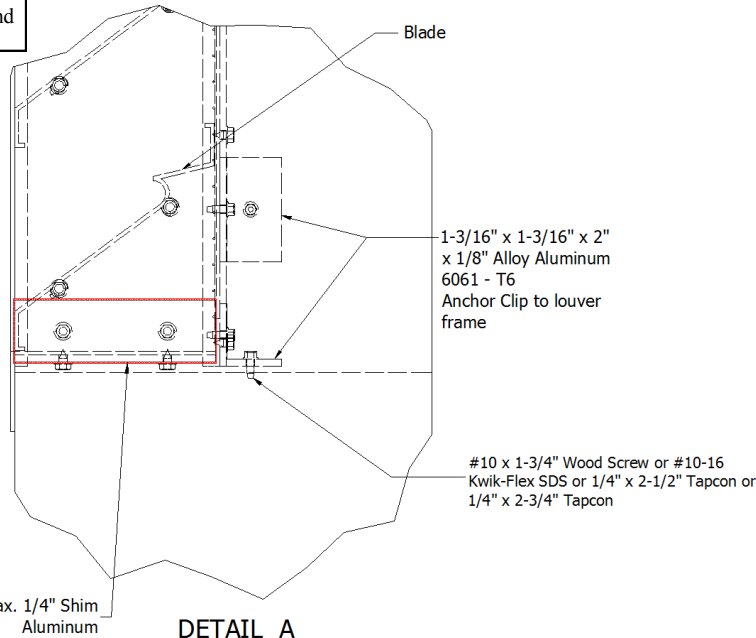
APPLICATION

The 4-SRF Louver with Flange Frame is a Miami-Dade Qualified and Florida Product Approved. It must be installed in accordance with the installation instruction shown below. 4-SRF is structurally calculated to withstand positive and negative wind-loads up to ± 100 PSF.



Back view of the 4-SRF installs into the wall

The screen secures to the interior of the frame using snap-fit extruded aluminum stops and #10x3/4" long self-tapping hex head screws. The screws located at the head, sill and jambs are located at each end and spaced 7" on center

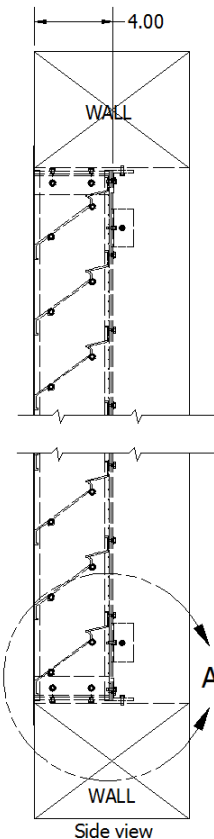


DETAIL A

FASTENER QUANTITIES

MAX INSIDE DIMENSION L x W	NO. FASTENERS - SUBSTRATE TYPE		
	WOOD	CONC.	STEEL
18"x18"	8	8	8
24"x24"	8	8	8
30"x30"	12	12	12
36"x36"	12	12	12
42"x42"	12	12	12
48"x48"	12	12	12

FASTENER SPACING: 3" FROM CORNERS
MAX 21" O.C.



Side view

MIAMI-DADE COUNTY
APPROVED

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*ALL STATED SPECIFICATIONS ARE SUBJECT TO UPDATE WITHOUT NOTICE OR OBLIGATION.