



EXTRUDED ALUMINUM LOUVER

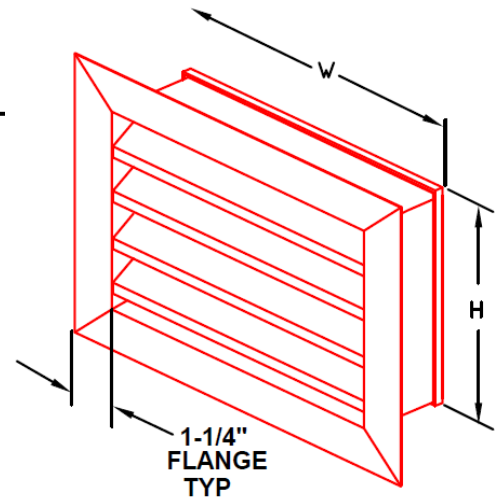
MODEL: 4-SRF

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.



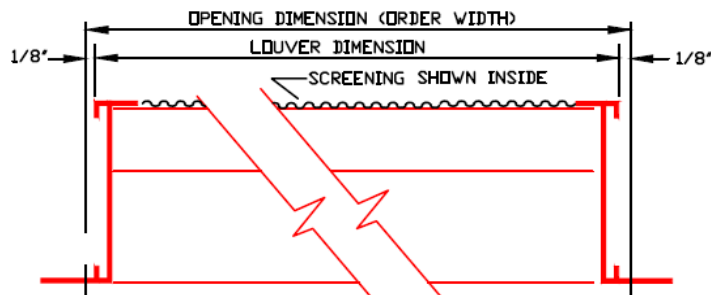
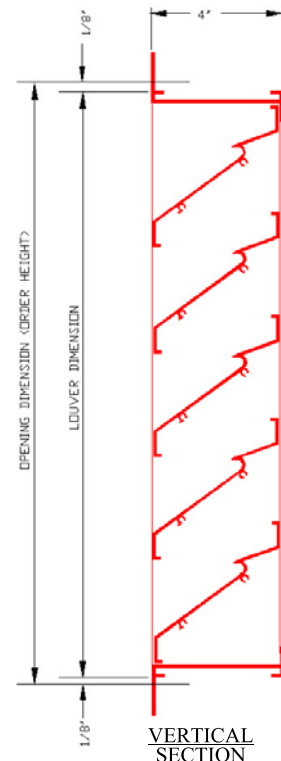
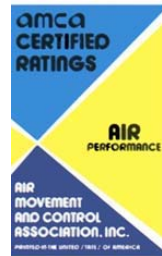
SPECIFICATIONS

- 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
- Minimum Quantities may Apply



HORIZONTAL SECTION

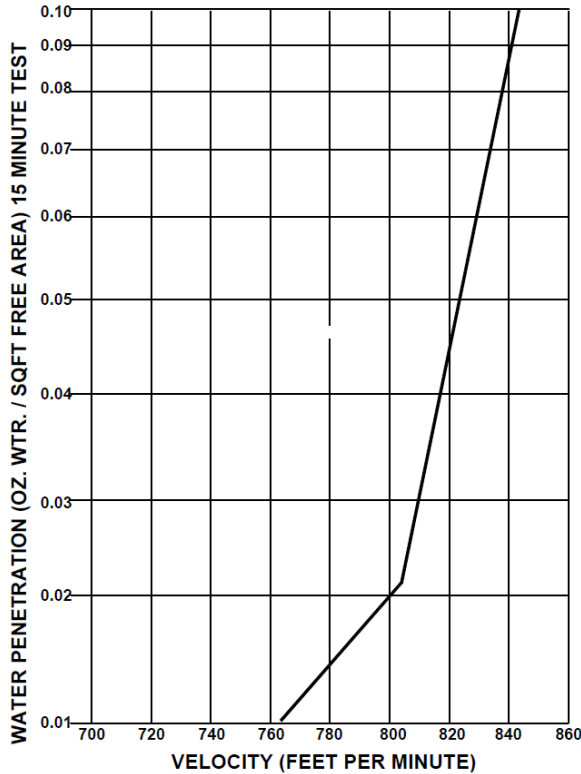
VERTICAL SECTION





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

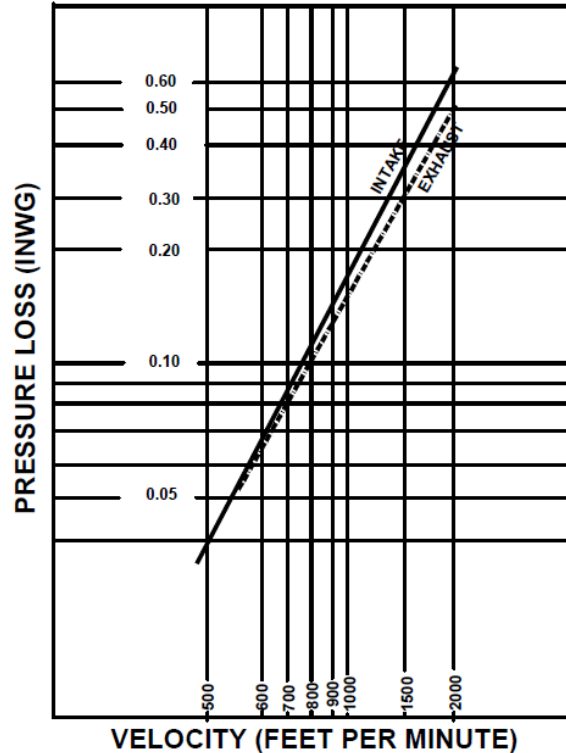


The beginning point of water penetration is 713 FPM @ 0.01 OZ/SQ.FT. of free area.

Performance testing in accordance with AMCA STD 500

MODEL: 4-SRF

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

	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"	1.98	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

HEIGHT





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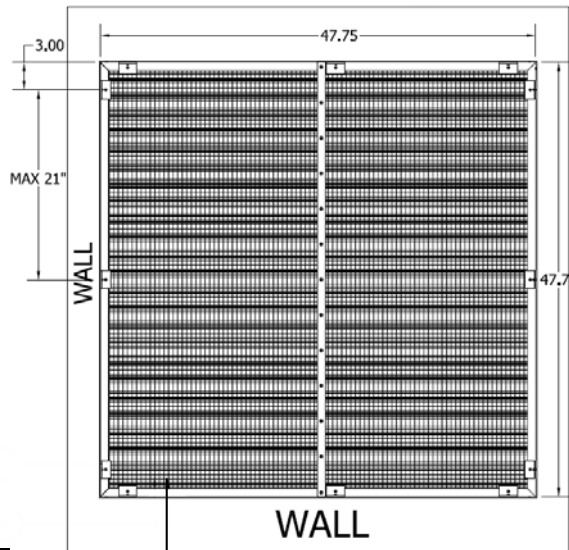
MODEL: 4-SRF

IMPACT RESISTANT LOUVER
Miami Dade Approved-NOA No. 13-0207.04

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.



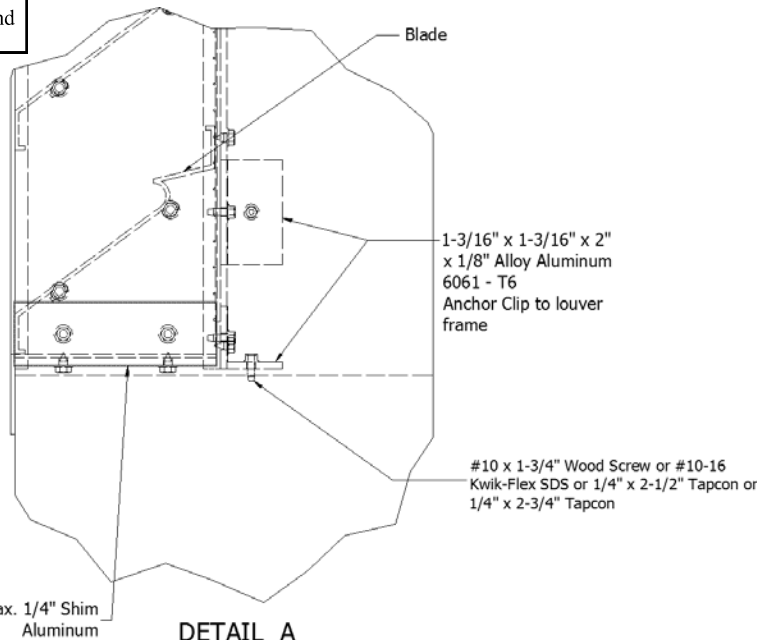
Back view of the 4-SRF installs into the wall

FASTENER QUANTITIES

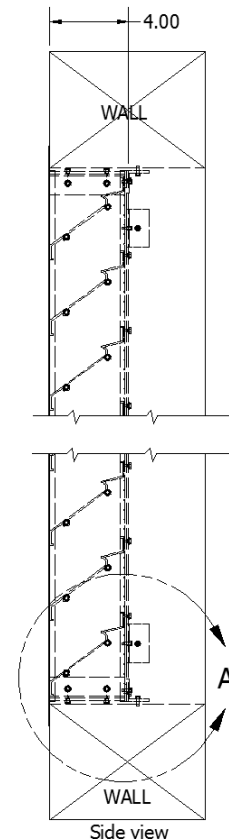
MAX INSIDE DIMENSION L x W	NO. FASTENERS - SUBSTRATE TYPE		
	WOOD	CONC.	STEEL
18"x18"	8	8	8
24"x24"	8	8	8
30"x30"	12	12	12
36"x36"	12	12	12
42"x42"	12	12	12
48"x48"	12	12	12

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

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



Side view

MIAMI-DADE COUNTY
APPROVED

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