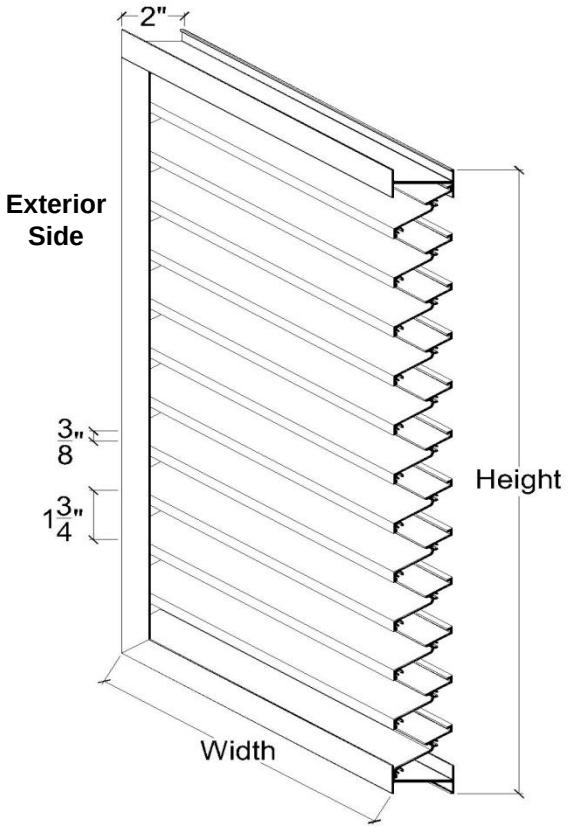
Air Flow Company, Inc.
850 W. Fullerton Ave. • Addison, IL. 60101
Tel (630) 628-1138 Fax (630) 628-1149

EA-212

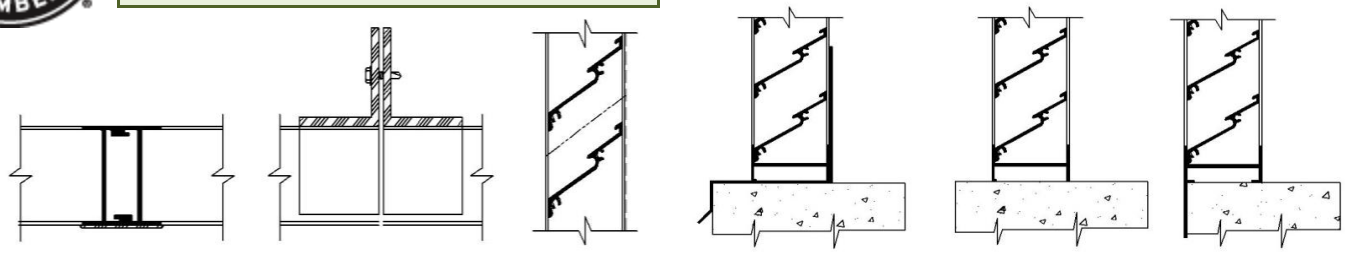
2” Stationary, Thin line With Center Baffle Louver

Standard Louver Construction		
✓	**Frame**	Channel
✓	**Frame Thickness**	.063” extruded aluminum 6063-T5
✓	**Blades Thickness**	.063” extruded aluminum 6063-T5
✓	**Blade Positioning**	30° angle with 1-¾” spacing center to center
✓	**Fasteners**	3/16” plated steel screw
✓	**Screen**	.050” x ¾” expanded aluminum without frame
✓	**Finish**	Mill
✓	**Undersized**	¼” under opening sizes
✓	**Mullions**	Invisible
✓	**Minimum Size**	12” x 12”
✓	**Maximum Single Section**	120” x 84” or 84” x 120

Optional Construction							
	Frames		.081” extruded aluminum 6063-T5				
	Blades		.081” extruded aluminum 6063-T5				
	Fasteners		Welded Construction				
			Stainless Steel Fasteners				
	Screen		.063” x ½” wire mesh Bird Screen				
			18 x 16 Insect screen				
	Finish		Prime coat				
			Baked enamel				
			Powder coat				
			Kynar 500		2 Coat		3 Coat
			Anodized		Clear		Color
	Mullions		Visible				
	Frame Accessories		Flange				
			Pan				
			Extended sill				
			Glazing Adaptor				



Air Flow Model EA-212. The ratings shown are based on tests & Procedures Made in accordance with AMCA standard. Free area calculations are (+/-5%)



Exposed Mullion | Invisible Mullion | Hor. Invisible Mullion | Channel W/sill | Channel Frame | Flanged (1- ½”)

Louver Schedule

Item	Qty	Opening Size (W x H)	Notes		
				Project:	
				Location:	
				Arch/Eng:	
				Customer:	

Air Flow Company, Inc.
850 W. Fullerton Ave. • Addison, IL. 60101
Tel (630) 628-1138 Fax (630) 628-1149

EA-212

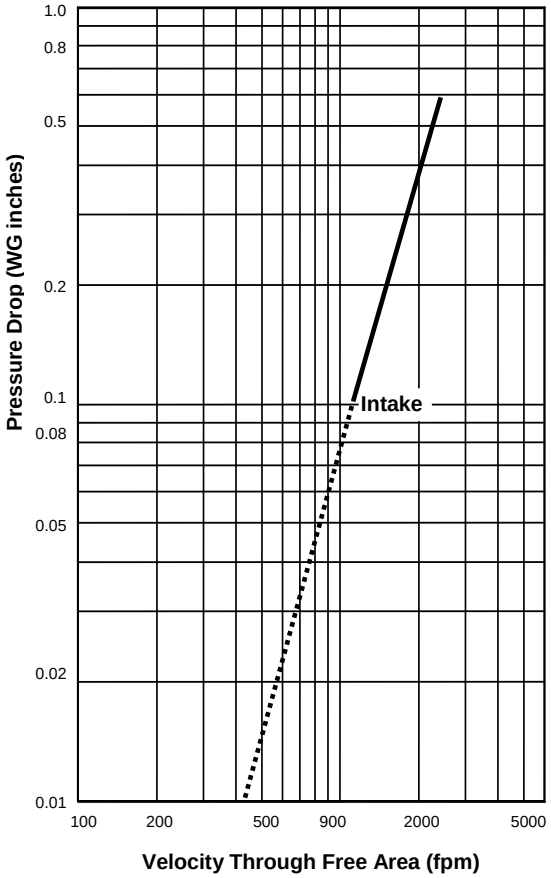
2" Stationary, Thin line With Center Baffle Louver

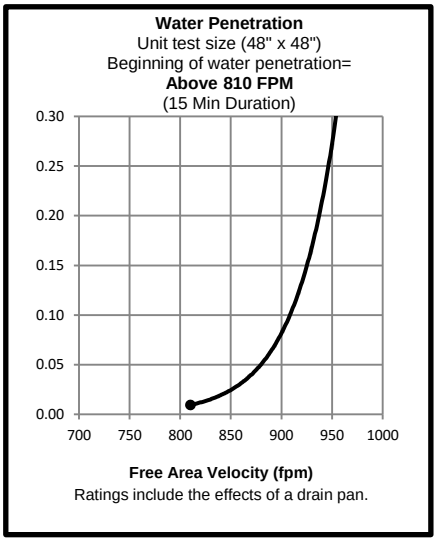
Free Area Calculations (Sq. ft.)

HEIGHT (inches) \ WIDTH (inches)	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96
12	0.39	0.61	0.83	1.05	1.27	1.49	1.71	1.93	2.15	2.37	2.59	2.81	3.03	3.25	3.47
18	0.69	1.09	1.49	1.88	2.28	2.67	3.07	3.47	3.86	4.26	4.66	5.05	5.45	5.85	6.24
24	0.92	1.45	1.98	2.51	3.04	3.57	4.10	4.62	5.15	5.68	6.21	6.74	7.27	7.79	8.32
30	1.16	1.82	2.48	3.14	3.80	4.46	5.12	5.78	6.44	7.10	7.76	8.42	9.08	9.74	10.40
36	1.46	2.30	3.14	3.97	4.81	5.65	6.48	7.32	8.16	8.99	9.83	10.67	11.50	12.34	13.18
42	1.70	2.66	3.63	4.60	5.57	6.54	7.51	8.48	9.44	10.41	11.38	12.35	13.32	14.29	15.26
48	2.00	3.15	4.29	5.44	6.58	7.73	8.87	10.02	11.16	12.31	13.45	14.60	15.74	16.89	18.03
54	2.23	3.51	4.79	6.07	7.34	8.62	9.90	11.17	12.45	13.73	15.00	16.28	17.56	18.83	20.11
60	2.54	4.00	5.45	6.90	8.36	9.81	11.26	12.71	14.17	15.62	17.07	18.53	19.98	21.43	22.89
66	2.77	4.36	5.94	7.53	9.11	10.70	12.29	13.87	15.46	17.04	18.63	20.21	21.80	23.38	24.97
72	3.01	4.72	6.44	8.16	9.87	11.59	13.31	15.03	16.74	18.46	20.18	21.90	23.61	25.33	27.05
78	3.31	5.21	7.10	8.99	10.89	12.78	14.67	16.57	18.46	20.35	22.25	24.14	26.03	27.93	29.82
84	3.54	5.57	7.60	9.62	11.65	13.67	15.70	17.72	19.75	21.77	23.80	25.83	27.85	29.88	31.90
90	3.85	6.05	8.26	10.46	12.66	14.86	17.06	19.26	21.47	23.67	25.87	28.07	30.27	32.47	34.68
96	4.08	6.42	8.75	11.09	13.42	15.75	18.09	20.42	22.75	25.09	27.42	29.75	32.09	34.42	36.76
102	4.39	6.90	9.41	11.92	14.43	16.94	19.45	21.96	24.47	26.98	29.49	32.00	34.51	37.02	39.53
108	4.62	7.27	9.91	12.55	15.19	17.83	20.48	23.12	25.76	28.40	31.04	33.68	36.33	38.97	41.61
114	4.85	7.63	10.40	13.18	15.95	18.72	21.50	24.27	27.05	29.82	32.60	35.37	38.14	40.92	43.69
120	5.16	8.11	11.06	14.01	16.96	19.91	22.86	25.81	28.76	31.71	34.66	37.61	40.56	43.52	46.47

Air Performance

Unit test size (48" x 48")





- To determine the pressure drop of a louver:

Calculate the Velocity thru free area; divide the required CFM (volume of air) by the required free area above chart. The pressure drop is expressed in (inches w.g.)

- To determine the minimum free area required for louver:

Divide the required CFM (volume of air) by the free area velocity before water penetration, then select the most desirable louver size from the free area chart above.

- To determine the maximum CFM (volume), knowing the louver size:

Multiply the required free area (see above free area chart) by maximum velocity thru free area.