

Air Flow Company, Inc.

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EA-7403P

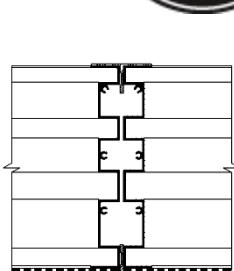
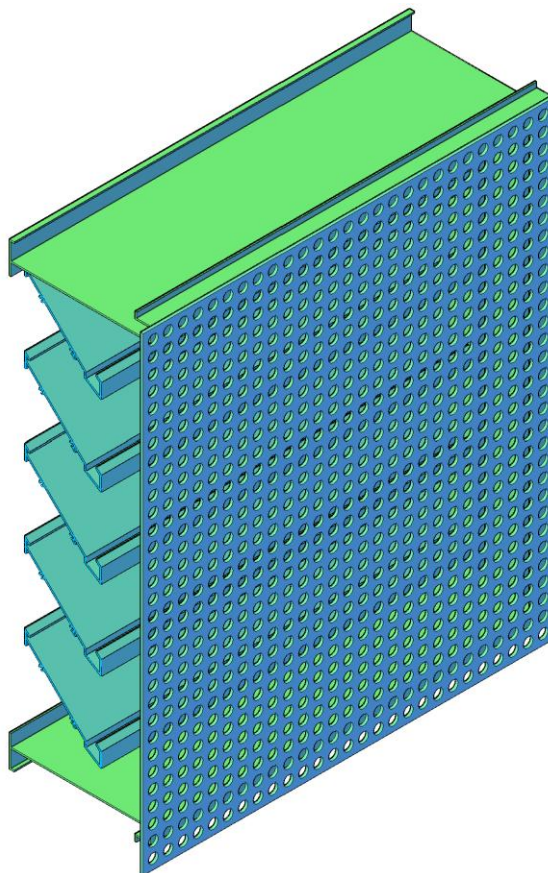
7" Deep Drainable Blade
Stationary Louver
W/ Perforated Panel

Standard Louver Construction

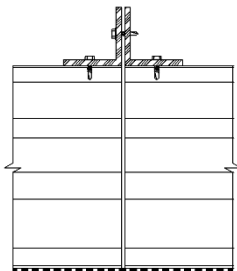
✓ Frame	Channel
✓ Frame Thickness	.081" extruded aluminum 6063-T5
✓ Blades Thickness	.081" extruded aluminum 6063-T5
✓ Blade Positioning	45° angle with 4" spacing center to center
✓ Fasteners	3/16" plated steel screw
✓ Screen	.050" x 3/4" expanded aluminum without frame
✓ Finish	Mill
✓ Undersized	1/4" under opening sizes
✓ Mullions	Invisible
✓ Minimum Size	12" x 12"
✓ Maximum Single Section	120" x 84" or 84" x 120

Optional Construction

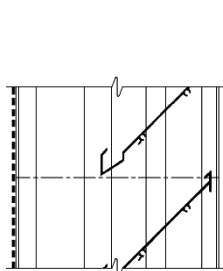
Frames	Channel .125" extruded aluminum 6063-T5
Blades	.125" extruded aluminum 6063-T5
Fasteners	Welded Construction Stainless Steel Fasteners
Screen	.063" x 1/2" wire mesh Bird Screen 18 x 16 Insect screen in Frame
Finish	Prime coat Baked enamel Powder coat Kynar 500 2 Coat 3 Coat Anodized Clear Color
Mullions	Visible Flange
Frame Accessories	Pan Extended sill



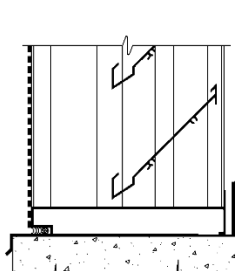
Exposed Mullion



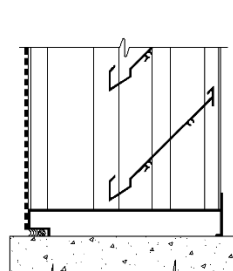
Invisible Mullion



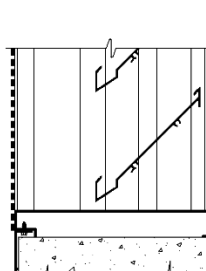
Hor. Invisible Mullion



Channel W/sill



Channel Frame



Flanged (1-1/2")

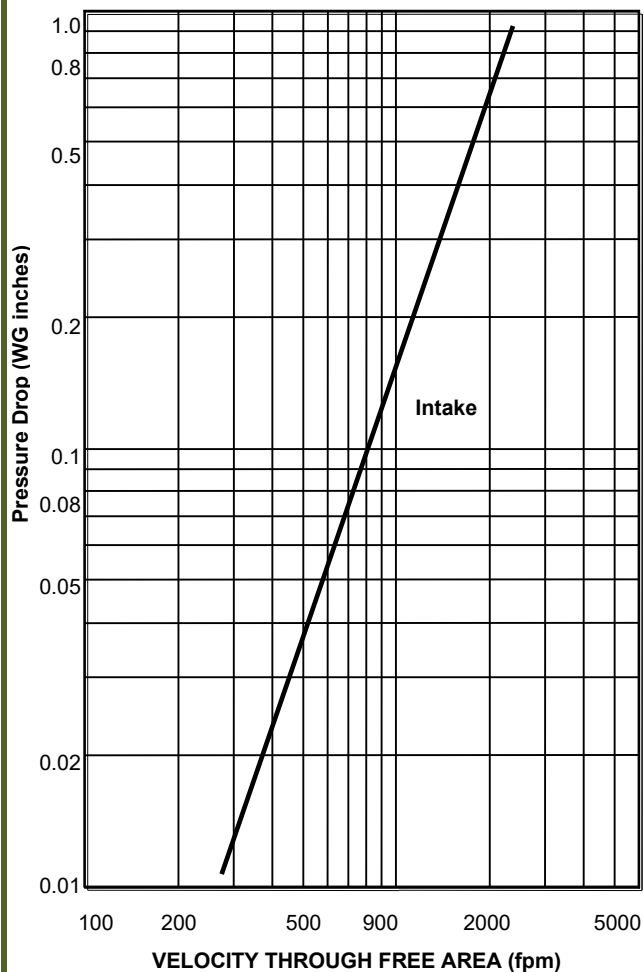
Louver Schedule

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

Free Area Calculations (sq. ft.)

	W I D T H (inches)														
	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96
12	0.33	0.53	0.72	0.92	1.11	1.31	1.50	1.70	1.89	2.09	2.28	2.48	2.67	2.87	3.06
18	0.58	0.92	1.26	1.60	1.94	2.29	2.63	2.97	3.31	3.65	4.00	4.34	4.68	5.02	5.36
24	0.88	1.40	1.93	2.45	2.98	3.50	4.03	4.55	5.07	5.60	6.12	6.65	7.17	7.70	8.22
30	1.16	1.85	2.55	3.24	3.93	4.63	5.32	6.01	6.71	7.40	8.09	8.79	9.48	10.17	10.86
36	1.41	2.25	3.09	3.93	4.77	5.61	6.45	7.29	8.13	8.97	9.81	10.65	11.49	12.33	13.17
42	1.67	2.67	3.67	4.68	5.68	6.68	7.68	8.68	9.68	10.68	11.68	12.68	13.68	14.68	15.68
48	1.99	3.18	4.37	5.56	6.76	7.95	9.05	10.33	11.52	12.71	13.90	15.09	16.29	17.48	18.67
54	2.24	3.57	4.91	6.25	7.59	8.93	10.27	11.60	12.94	14.28	15.62	16.96	18.29	19.63	20.97
60	2.48	3.97	5.45	6.94	8.42	9.91	11.39	12.88	14.36	15.85	17.33	18.82	20.30	21.79	23.27
66	2.78	4.45	6.12	7.79	9.45	11.12	12.79	14.46	16.13	17.79	19.46	21.13	22.80	24.46	26.13
72	3.07	4.90	6.74	8.57	10.41	12.25	14.08	15.92	17.76	19.59	21.43	23.27	25.10	26.94	28.78
78	3.31	5.29	7.28	9.26	11.24	13.23	15.21	17.19	19.18	21.16	23.14	25.13	27.11	29.09	31.08
84	3.58	5.72	7.87	10.01	12.15	14.30	16.44	18.59	20.73	22.87	25.02	27.16	29.31	31.45	33.59
90	3.90	6.23	8.56	10.90	13.23	15.57	17.90	20.24	22.57	24.91	27.24	29.58	31.91	34.24	36.58
96	4.14	6.62	9.10	11.59	14.07	16.55	19.03	21.51	23.99	26.47	28.96	31.44	33.92	36.40	38.88
102	4.39	7.01	9.64	12.27	14.90	17.53	20.16	22.79	25.41	28.04	30.67	33.30	35.93	38.56	41.18
108	4.69	7.50	10.31	13.12	15.93	18.74	21.56	24.37	27.18	29.99	32.80	35.61	38.42	41.23	44.04
114	4.97	7.95	10.93	13.91	16.89	19.87	22.85	25.83	28.81	31.79	34.77	37.75	40.73	43.71	46.69
120	5.22	8.34	11.47	14.60	17.72	20.85	23.98	27.10	30.23	33.36	36.48	39.61	42.74	45.86	48.99

Air Performance



- ♦ 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.

