

Air Flow Company, Inc.

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EA-605V

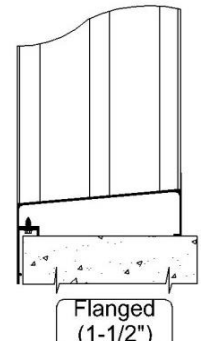
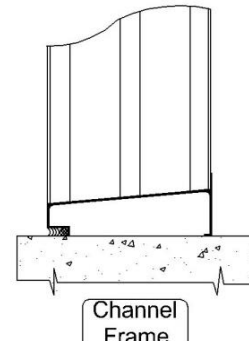
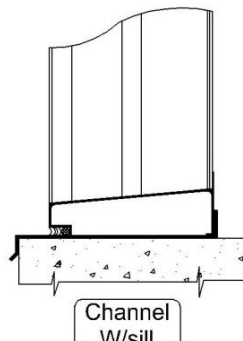
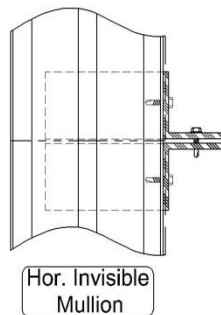
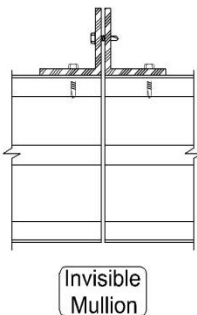
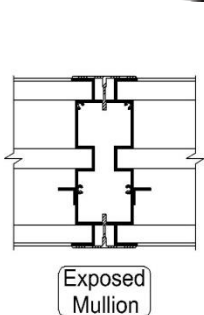
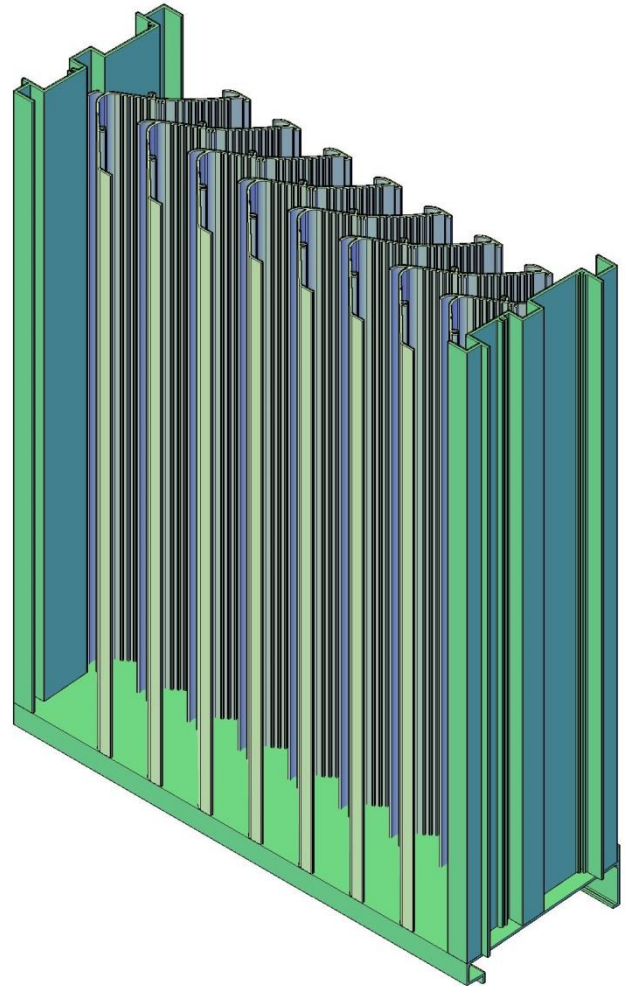
6" Wind Driven, Drainable
Sight Proof Vertical
Stationary Louver

Standard Louver Construction

✓ Frame	Channel
✓ Frame Thickness	.081" extruded aluminum 6063-T5
✓ Blades Thickness	.081" extruded aluminum 6063-T5
✓ Blade Positioning	2" 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		
Finish	Prime coat		
	Baked enamel		
	Powder coat		
	Kynar 500	2 Coat	3 Coat
Mullions	Anodized	Clear	Color
	Visible		
Frame Accessories	Flange		
	Pan		
	Extended sill		



Louver Schedule

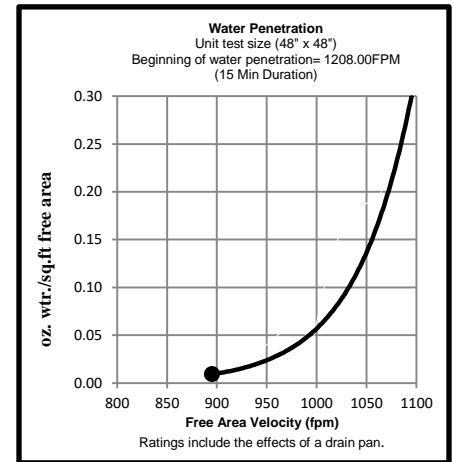
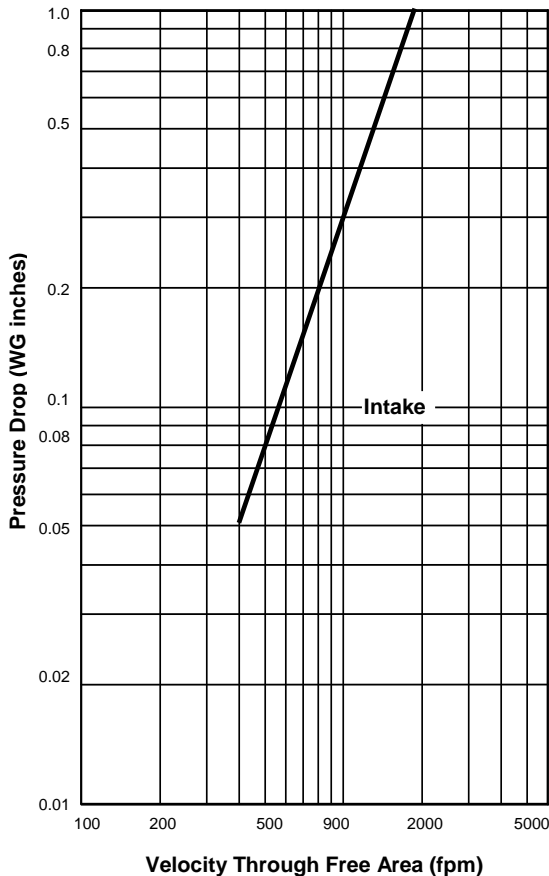
Item	Qty	Opening Size (W x H)	Notes	Project:
				Location:
				Arch/Eng:
				Customer:

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
H E I G H T (inches)	12	0.33	0.53	0.73	0.93	1.12	1.32	1.52	1.72	1.92	2.12	2.31	2.51	2.71	2.91	3.11
	18	0.53	0.85	1.16	1.48	1.80	2.12	2.43	2.75	3.07	3.38	3.70	4.02	4.34	4.65	4.97
	24	0.73	1.16	1.60	2.04	2.47	2.91	3.34	3.78	4.22	4.65	5.09	5.53	5.96	6.40	6.84
	30	0.93	1.48	2.04	2.59	3.15	3.70	4.26	4.81	5.37	5.92	6.48	7.03	7.59	8.14	8.70
	36	1.12	1.80	2.47	3.15	3.82	4.50	5.17	5.84	6.52	7.19	7.87	8.54	9.21	9.89	10.56
	42	1.32	2.12	2.91	3.70	4.50	5.29	6.08	6.87	7.67	8.46	9.25	10.05	10.84	11.63	12.43
	48	1.52	2.43	3.34	4.26	5.17	6.08	6.99	7.91	8.82	9.73	10.64	11.56	12.47	13.38	14.29
	54	1.72	2.75	3.78	4.81	5.84	6.87	7.91	8.94	9.97	11.00	12.03	13.06	14.09	15.12	16.16
	60	1.92	3.07	4.22	5.37	6.52	7.67	8.82	9.97	11.12	12.27	13.42	14.57	15.72	16.87	18.02
	66	2.12	3.38	4.65	5.92	7.19	8.46	9.73	11.00	12.27	13.54	14.81	16.08	17.35	18.61	19.88
	72	2.31	3.70	5.09	6.48	7.87	9.25	10.64	12.03	13.42	14.81	16.20	17.58	18.97	20.36	21.75
	78	2.51	4.02	5.53	7.03	8.54	10.05	11.56	13.06	14.57	16.08	17.58	19.09	20.60	22.11	23.61
	84	2.71	4.34	5.96	7.59	9.21	10.84	12.47	14.09	15.72	17.35	18.97	20.60	22.22	23.85	25.48
	90	2.91	4.65	6.40	8.14	9.89	11.63	13.38	15.12	16.87	18.61	20.36	22.11	23.85	25.60	27.34
96	3.11	4.97	6.84	8.70	10.56	12.43	14.29	16.16	18.02	19.88	21.75	23.61	25.48	27.34	29.20	
102	3.31	5.29	7.27	9.25	11.24	13.22	15.20	17.19	19.17	21.15	23.14	25.12	27.10	29.09	31.07	
108	3.50	5.61	7.71	9.81	11.91	14.01	16.12	18.22	20.32	22.42	24.52	26.63	28.73	30.83	32.93	
114	3.70	5.92	8.14	10.37	12.59	14.81	17.03	19.25	21.47	23.69	25.91	28.13	30.36	32.58	34.80	
120	3.90	6.24	8.58	10.92	13.26	15.60	17.94	20.28	22.62	24.96	27.30	29.64	31.98	34.32	36.66	

Air Performance

Unit test size (48" x 48")
 Airflow rate at standard air density
 and the AMCA figure 5.5



- ◆ 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 chart above. 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 free area chart above) by maximum velocity thru free area.