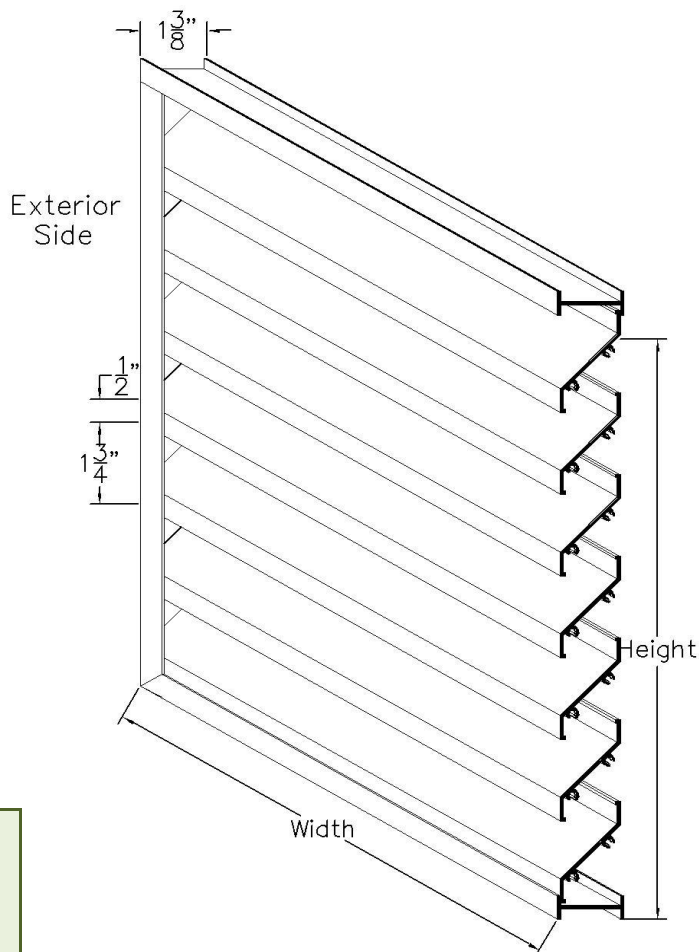


Standard Louver Construction

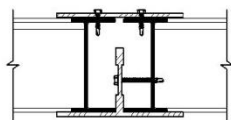
✓ Frame	Channel
✓ Frame Thickness	.060" extruded aluminum 6063-T5
✓ Blades Thickness	.060" extruded aluminum 6063-T5
✓ Blade Positioning	1- 3/4" Spacing Center to Center
✓ Screen	.050" x 3/4" expanded aluminum without frame
✓ Finish	Mill
✓ Undersized	1/4" under opening sizes
✓ Mullions	Invisible
✓ Minimum Size	12" W x 12" H
✓ Maximum Single Section	120" x 84" or 84" x 120"

Optional Construction

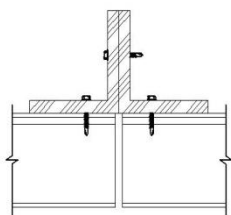
Fasteners	Welded Construction			
	Stainless Steel Fasteners			
Screen	.063" x 1/2" wire mesh Bird Screen			
	18 x 16 Insect screen Insect Screen			
Finish	Prime coat			
	Baked enamel			
	Powder coat			
	Kynar 500	2 Coat	3 Coat	
	Anodized	Clear	Color	
Mullions	Visible			
Frame Accessories	Flange			
	Pan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



Air Flow Model EA-101. The ratings shown are based on tests & Procedures Made in accordance with AMCA standard 500-L. The actual test results of water penetration & air performance may vary (+/-10%) depending on the actual application. Free area calculations are (+/-5%)



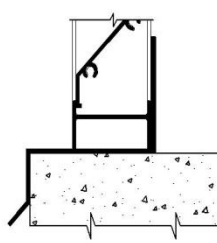
Exposed
Mullion



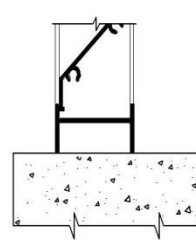
Invisible
Mullion



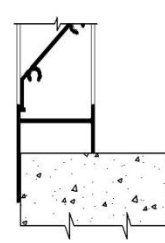
Hor. Invisible
Mullion



Channel
W/sill



Channel
W/sill



Channel
W/sill

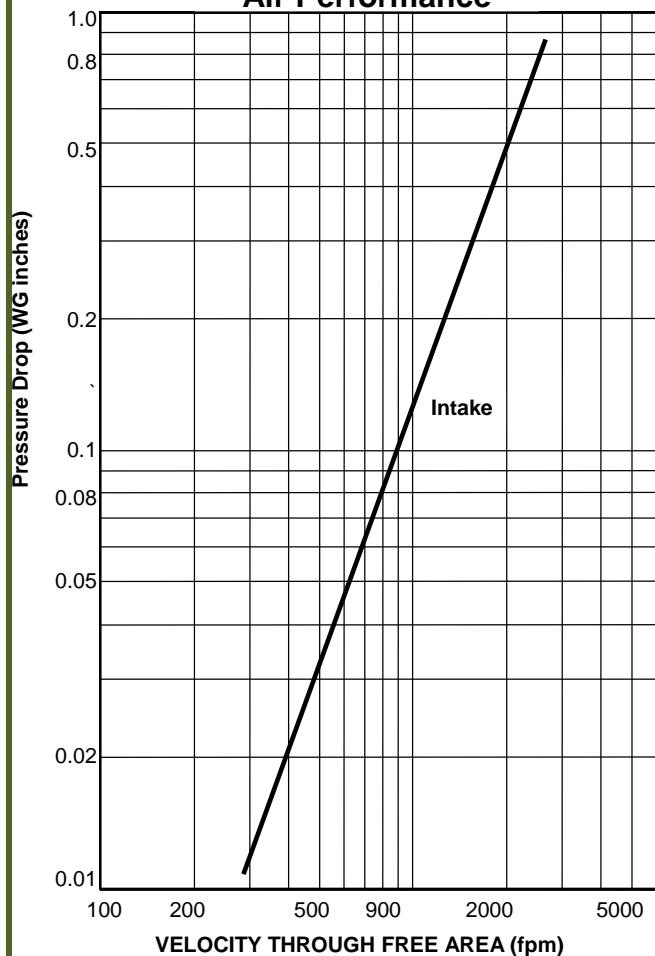
Louver Schedule

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	0.51	0.69	0.86	1.04	1.22	1.40	1.57	1.75	1.93	2.11	2.29	2.46	2.64	2.82
	18	0.56	0.87	1.18	1.48	1.79	2.09	2.40	2.70	3.01	3.31	3.62	3.92	4.23	4.53	4.84
	24	0.75	1.16	1.57	1.97	2.38	2.79	3.19	3.60	4.01	4.41	4.82	5.23	5.63	6.04	6.45
	30	0.99	1.53	2.07	2.61	3.15	3.69	4.23	4.76	5.30	5.84	6.38	6.92	7.46	8.00	8.54
	36	1.19	1.83	2.48	3.12	3.76	4.41	5.05	5.70	6.34	6.99	7.63	8.27	8.92	9.56	10.21
	42	1.41	2.17	2.94	3.70	4.47	5.23	6.00	6.76	7.53	8.29	9.06	9.83	10.59	11.36	12.12
	48	1.62	2.50	3.39	4.27	5.15	6.03	6.91	7.79	8.68	9.56	10.44	11.32	12.20	13.08	13.97
	54	1.82	2.81	3.81	4.80	5.79	6.78	7.77	8.76	9.76	10.75	11.74	12.73	13.72	14.71	15.71
	60	2.06	3.18	4.30	5.41	6.53	7.65	8.77	9.89	11.01	12.13	13.25	14.37	15.49	16.61	17.73
	66	2.24	3.46	4.69	5.91	7.13	8.35	9.57	10.79	12.01	13.23	14.45	15.67	16.89	18.12	19.34
	72	2.48	3.84	5.19	6.54	7.90	9.25	10.60	11.95	13.31	14.66	16.01	17.36	18.72	20.07	21.42
	78	2.68	4.14	5.60	7.05	8.51	9.97	11.43	12.89	14.35	15.80	17.26	18.72	20.18	21.64	23.10
	84	2.90	4.48	6.06	7.64	9.22	10.80	12.38	13.95	15.53	17.11	18.69	20.27	21.85	23.43	25.01
	90	3.11	4.81	6.51	8.20	9.90	11.59	13.29	14.98	16.68	18.38	20.07	21.77	23.46	25.16	26.85
	96	3.32	5.12	6.93	8.73	10.54	12.34	14.15	15.95	17.76	19.57	21.37	23.18	24.98	26.79	28.59
102	3.55	5.48	7.42	9.35	11.28	13.21	15.15	17.08	19.01	20.95	22.88	24.81	26.75	28.68	30.61	
108	3.74	5.77	7.81	9.84	11.88	13.91	15.95	17.98	20.01	22.05	24.08	26.12	28.15	30.19	32.22	
114	3.98	6.14	8.31	10.48	12.64	14.81	16.98	19.14	21.31	23.48	25.64	27.81	29.98	32.14	34.31	
120	4.17	6.44	8.72	10.99	13.26	15.53	17.80	20.08	22.35	24.62	26.89	29.17	31.44	33.71	35.98	

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.

Water Penetration

Beginning of water penetration = 472 FPM
(15 minutes duration)

