

FIXED LOUVER 2"

APPLICATION AND FEATURES

The MODEL EL-2 is a J/K blade louver designed to protect the outside opening in building exterior walls. These louvers may be used for exhaust or intake air.

Standard Construction:

Frame: .060 Extruded Aluminum, 2.162" Deep

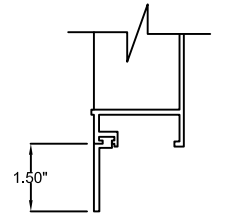
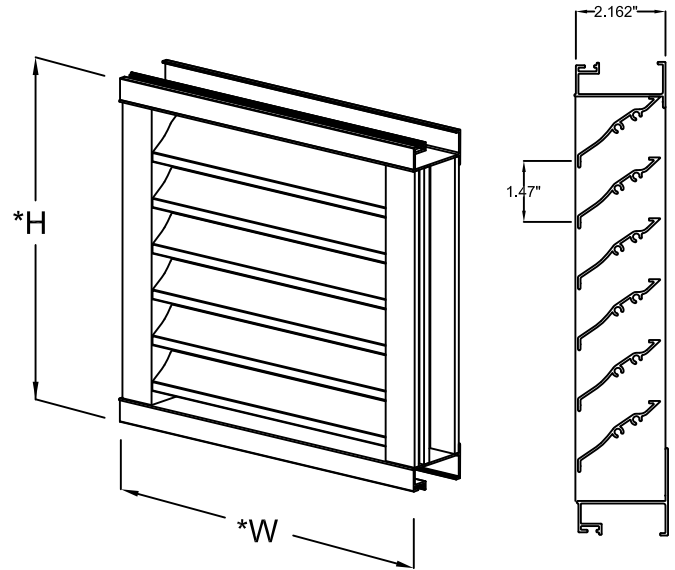
Blade: .060 Extruded Aluminum positioned on a 37° angle on approximately 1.47" centers

Birdscreen: 3/4" x .051" Flattened Aluminum in removable frame. Screen is mounted as standard on inside (rear) as looking from exterior of building.

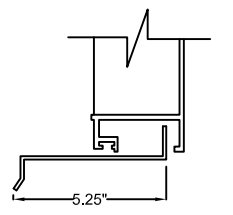
Finish: Mill Aluminum (Std.)

Minimum Size: 6" w x 6" h

Maximum Single Section: 120"w x 84"h or 84"w x 120"h



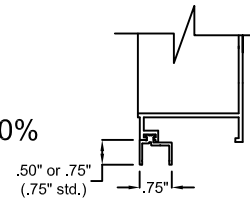
OPTIONAL FLANGE



OPTIONAL EXTENDED SILL

Options:

- | | |
|--|---|
| <input type="checkbox"/> Flanged Frame (1-1/2" std.) | Finishes: |
| <input type="checkbox"/> Custom Flange (1", 2", or 3") | <input type="checkbox"/> Clear Anodize |
| <input type="checkbox"/> Glazing Adapter (1/2" or 3/4") | <input type="checkbox"/> Integral Color Anodize |
| <input type="checkbox"/> Extended Sill | <input type="checkbox"/> Baked Powder Polyester |
| <input type="checkbox"/> Insect Screen | <input type="checkbox"/> Baked Powder Fluoropolymer 70% |
| <input type="checkbox"/> Filter Racks | <input type="checkbox"/> Baked Powder Clear Coat |
| <input type="checkbox"/> Security Bars | |
| <input type="checkbox"/> Hinged Sub Frame | |
| <input type="checkbox"/> Welded Const. (wind load 50 p.s.f.) | |



OPTIONAL GLAZING ADAPTER

*Width and Height dimensions are approximately 1/4" under listed size

Job Name:	<input type="checkbox"/> MODEL EL-2		
Location:	DRAWN BY: CLJ	DATE: 10-1-08	REV. DATE: 01-21-09
Architect:	REV. NO. 2	APPROVED BY: SDC	DWG. NO.: E-2d
Engineer:			
Contractor:			

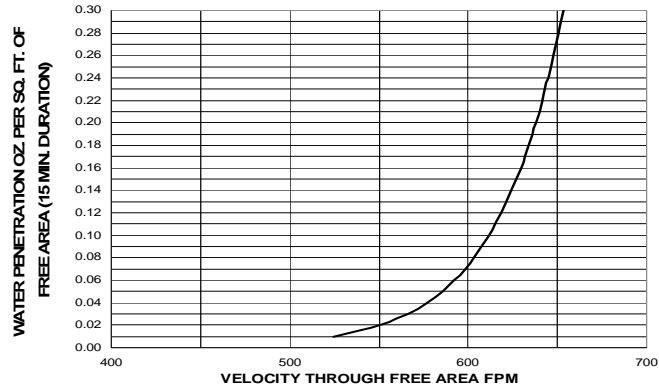
SUGGESTED SPECIFICATION

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be stationary type with downspouts in jambs and mullions. Stationary blades shall be contained within a 2.162" deep frame. Louver components (head, jambs, sills, blades, and mullions) shall be factory assembled by the louver manufacturer. Louver sizes too large for shipping shall be built up by the contractor from factory assembled louver sections to provide overall sizes required. Louver design shall incorporate structural supports required to withstand a wind load of 20 lbs. per sq. ft. (equivalent of a 90 mph wind).

PERFORMANCE DATA

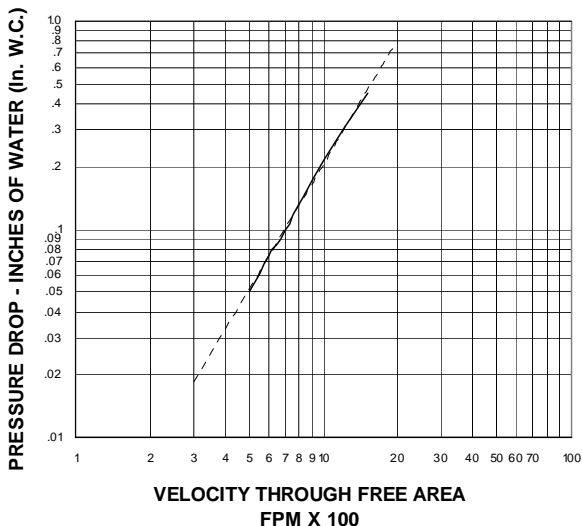
The louver system should be designed with a reasonable safety factor for louver performance. To ensure protection from water carryover, design with a performance level somewhat below maximum desired pressure drop and .01 oz./sq. ft. of water penetration

Beginning point of WATER PENETRATION is
 524 fpm
 free area velocity at .01 oz. of water penetration

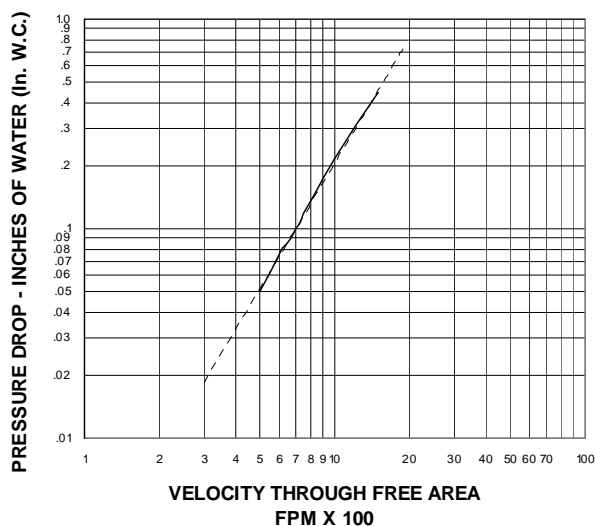


EL-2 FREE AREA IN SQ. FT.

Louver Height Inches	Width - Inches																			Louver Height Inches	
	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114		120
6	0.03	0.08	0.13	0.18	0.23	0.27	0.32	0.37	0.42	0.47	0.52	0.57	0.62	0.67	0.72	0.77	0.82	0.86	0.91	0.96	12
12	0.07	0.20	0.33	0.46	0.59	0.72	0.84	0.97	1.10	1.23	1.36	1.48	1.61	1.74	1.87	2.00	2.13	2.25	2.38	2.51	6
18	0.19	0.52	0.85	1.19	1.52	1.85	2.18	2.51	2.84	3.17	3.50	3.83	4.16	4.49	4.82	5.16	5.49	5.82	6.15	6.48	18
24	0.27	0.72	1.17	1.63	2.08	2.54	2.99	3.45	3.90	4.35	4.81	5.26	5.72	6.17	6.63	7.08	7.53	7.99	8.44	8.90	24
30	0.35	0.94	1.54	2.13	2.73	3.32	3.92	4.52	5.11	5.71	6.30	6.90	7.49	8.09	8.68	9.28	9.87	10.47	11.06	11.66	30
36	0.47	1.26	2.06	2.86	3.66	4.46	5.25	6.05	6.85	7.65	8.44	9.24	10.04	10.84	11.64	12.43	13.23	14.03	14.83	15.63	36
42	0.58	1.58	2.58	3.58	4.59	5.59	6.59	7.59	8.59	9.59	10.59	11.59	12.59	13.59	14.59	15.59	16.59	17.59	18.59	19.59	42
48	0.68	1.84	3.01	4.17	5.33	6.50	7.66	8.82	9.99	11.15	12.31	13.48	14.64	15.80	16.97	18.13	19.29	20.46	21.62	22.78	48
54	0.77	2.10	3.43	4.75	6.08	7.41	8.73	10.06	11.39	12.71	14.04	15.36	16.69	18.02	19.34	20.67	22.00	23.32	24.65	25.98	54
60	0.87	2.36	3.85	5.34	6.83	8.32	9.81	11.29	12.78	14.27	15.76	17.25	18.74	20.23	21.72	23.21	24.70	26.19	27.68	29.17	60
66	0.92	2.49	4.06	5.64	7.21	8.78	10.36	11.93	13.51	15.08	16.65	18.23	19.80	21.37	22.95	24.52	26.09	27.67	29.24	30.81	66
72	1.01	2.75	4.49	6.22	7.96	9.69	11.43	13.17	14.90	16.64	18.38	20.11	21.85	23.59	25.32	27.06	28.80	30.53	32.27	34.00	72
78	1.11	3.01	4.91	6.81	8.71	10.61	12.50	14.40	16.30	18.20	20.10	22.00	23.90	25.80	27.70	29.60	31.50	33.40	35.30	37.20	78
84	1.20	3.27	5.33	7.39	9.45	11.51	13.58	15.64	17.70	19.76	21.83	23.89	25.95	28.01	30.08	32.14	34.20	36.26	38.33	40.39	84
90	1.30	3.52	5.75	7.97	10.20	12.42	14.65	16.87	19.10	21.32	23.55	25.77	27.99	30.22	32.44	34.67	36.89	39.12	41.34	43.57	90
96	1.39	3.78	6.17	8.56	10.95	13.34	15.73	18.12	20.51	22.90	25.28	27.67	30.06	32.45	34.84	37.23	39.62	42.01	44.40	46.79	96
102	1.45	3.94	6.43	8.92	11.41	13.89	16.38	18.87	21.36	23.85	26.34	28.83	31.31	33.80	36.29	38.78	41.27	43.76	46.24	48.73	102
108	1.57	4.26	6.95	9.65	12.34	15.03	17.72	20.42	23.11	25.80	28.49	31.18	33.88	36.57	39.26	41.95	44.64	47.34	50.03	52.72	108
114	1.69	4.58	7.48	10.37	13.27	16.16	19.06	21.95	24.85	27.74	30.63	33.53	36.42	39.32	42.21	45.11	48.00	50.90	53.79	56.69	114
120	1.81	4.90	8.00	11.10	14.20	17.29	20.39	23.49	26.58	29.68	32.78	35.87	38.97	42.07	45.17	48.26	51.36	54.46	57.55	60.65	120



PRESSURE DROP
INTAKE



PRESSURE DROP
EXHAUST