

MODEL EL-6

6" DEEP "J" BLADE FIXED LOUVER

STANDARD CONSTRUCTION:

Frame: .125 Extruded Aluminum, 6.20" Deep

Blade: .110 Extruded Aluminum positioned on a 45° angle on approximately 4.63" centers

Birdscreen: .50" x .050" Flattened Aluminum in removable frame. Screen is mounted as standard on inside (rear) looking from exterior of building.

Finish: Mill Aluminum (Std.)

Minimum Size: 12 x12

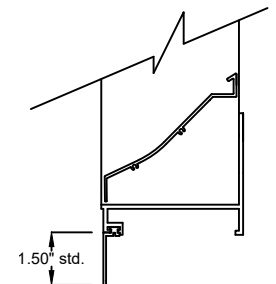
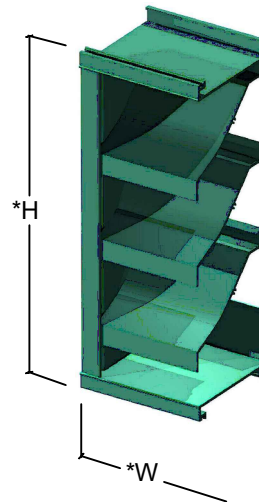
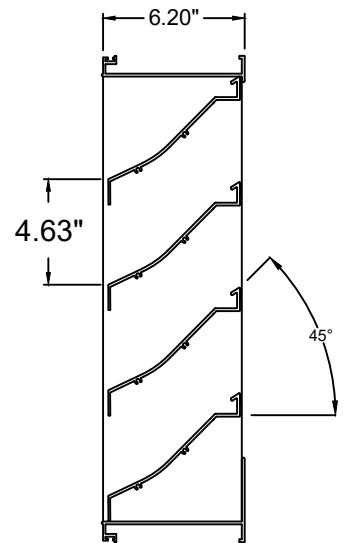
Maximum Single Section: 120"w x 84"h or 84"w x 120"h

OPTIONS:

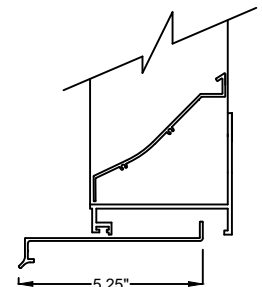
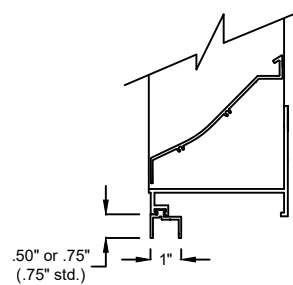
- ☐ Flanged Frame (1.50" std.), (1" std for shapes R_)
- ☐ Custom Flange (1", 2" , or 3"), (1.5", 2", or 3" for shapes R_)
- ☐ Extended Sill (Other Screens Available, See Screen Page)
- ☐ Glazing Adapter (.50" or .75")
- ☐ Insect Screen
- ☐ Filter Racks (no screen)
- ☐ Security Bars
- ☐ Hinged Sub Frame
- ☐ Welded Construction (Wind Load +/- 50 psf)
- ☐ Blank-off, Alum., non-insulated, no screen, non-removeable
- ☐ Blank-off, Alum., non-insulated, with bird screen or insect screen
- ☐ Blank-off, Alum., insulated double wall, with bird screen, removable
- ☐ Blank-off, Alum., insulated double wall, no screen, non-removeable

Available Finishes:

- ☐ Durable Polyester (AAMA 2604)
- ☐ 70% PVDF Fluoropolymer (AAMA 2605)
- ☐ Yellow Primer
- ☐ Clear Anodize
- ☐ Dark Bronze Anodize



OPTIONAL FLANGE
(except R_ Shapes, 1" optional std)



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

Due to continuing research, S&P reserves the right to change specifications without notice.



MODEL EL-6 (6" Deep "J" Blade Fixed Louver)

DRAWN BY: CLJ	DATE: November 2006	REV. DATE: March 2026	REV. NO. 10	DWG. NO.: A-9
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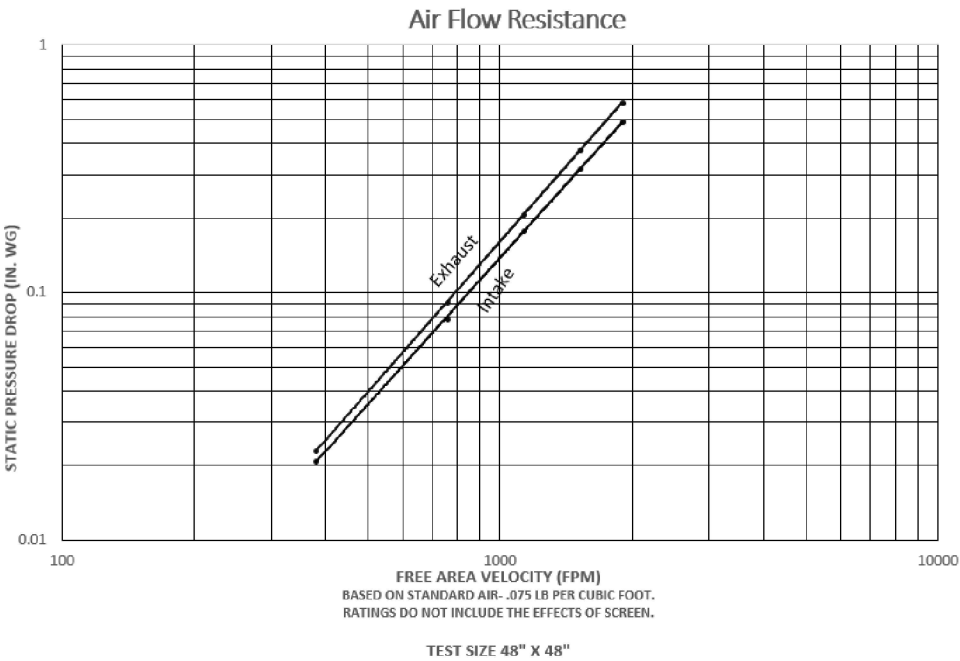
SUGGESTED SPECIFICATION

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be "J" blade style with 45° stationary blades. Stationary blades shall be contained within a 6.20" frame. Louver components (heads, 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 30 lbs. Per sq. ft. (equivalent of a 110 mph).

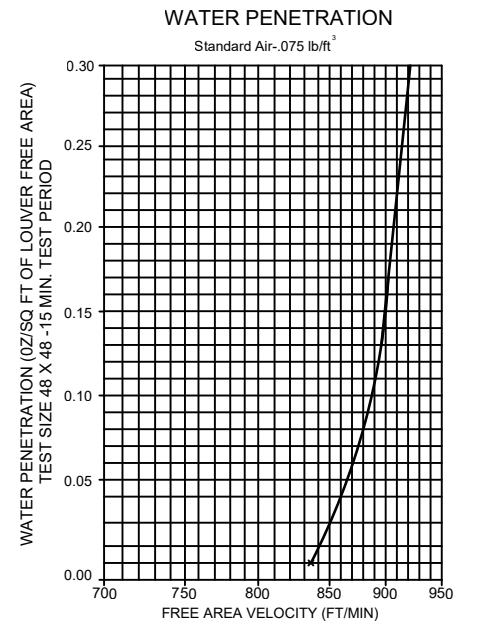
Louvers shall be S&P #EL-6 with 6063-T5 extruded aluminum construction as follows:
Frame: 6.20" deep, .081" nominal wall thickness.
Blades: .110" nominal wall thickness. Non-Drainable.
Blades are positioned at 45-degree angle and spaced approximately 4.63" center to center.
Screen: .75" x .051" (19 x 1.3) expanded, flattened aluminum in removable frame.
Finish: Select finish specification from United Enertech Finishes Brochure.

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
834 fpm
free area velocity at .01 oz. of water penetration



EL-6 FREE AREA IN SQ. FT.																				Louver Height Inches
		Width - Inches																		
Height - Inches	Louver Height Inches	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
	12	0.23	0.38	0.52	0.66	0.80	0.95	1.09	1.23	1.38	1.52	1.66	1.81	1.95	2.09	2.24	2.38	2.52	2.67	2.81
	18	0.45	0.73	1.01	1.28	1.56	1.84	2.12	2.39	2.67	2.95	3.23	3.50	3.78	4.06	4.34	4.61	4.89	5.17	5.45
	24	0.67	1.08	1.49	1.90	2.32	2.73	3.14	3.55	3.96	4.38	4.79	5.20	5.61	6.02	6.44	6.85	7.26	7.67	8.08
	30	0.89	1.43	1.98	2.53	3.07	3.62	4.16	4.71	5.26	5.80	6.35	6.90	7.44	7.99	8.53	9.08	9.63	10.17	10.72
	36	1.11	1.79	2.47	3.15	3.83	4.51	5.19	5.87	6.55	7.23	7.91	8.59	9.27	9.95	10.63	11.31	12.00	12.68	13.36
	42	1.54	2.49	3.44	4.39	5.34	6.29	7.24	8.19	9.14	10.09	11.04	11.99	12.93	13.88	14.83	15.78	16.73	17.68	18.63
	48	1.76	2.84	3.93	5.01	6.10	7.18	8.26	9.35	10.43	11.51	12.60	13.68	14.77	15.85	16.93	18.02	19.10	20.18	21.27
	54	1.98	3.20	4.42	5.63	6.85	8.07	9.29	10.51	11.72	12.94	14.16	15.38	16.60	17.81	19.03	20.25	21.47	22.69	23.91
	60	2.20	3.55	4.90	6.26	7.61	8.96	10.31	11.67	13.02	14.37	15.72	17.07	18.43	19.78	21.13	22.48	23.84	25.19	26.54
	66	2.42	3.90	5.39	6.88	8.36	9.85	11.34	12.82	14.31	15.80	17.28	18.77	20.26	21.75	23.23	24.72	26.21	27.69	29.18
	72	2.63	4.26	5.88	7.50	9.12	10.74	12.36	13.98	15.60	17.23	18.85	20.47	22.09	23.71	25.33	26.95	28.57	30.20	31.82
	78	2.85	4.61	6.36	8.12	9.88	11.63	13.39	15.14	16.90	18.65	20.41	22.16	23.92	25.68	27.43	29.19	30.94	32.70	34.45
	84	3.29	5.31	7.34	9.36	11.39	13.41	15.44	17.46	19.48	21.51	23.53	25.56	27.58	29.61	31.63	33.65	35.68	37.70	39.73
	90	3.51	5.67	7.83	9.98	12.14	14.30	16.46	18.62	20.78	22.94	25.10	27.25	29.41						
	96	3.73	6.02	8.31	10.61	12.90	15.19	17.48	19.78	22.07	24.36	26.66	28.95	31.24						
	102	3.94	6.37	8.80	11.23	13.65	16.08	18.51	20.94	23.36	25.79	28.22	30.65	33.07						
	108	4.16	6.72	9.29	11.85	14.41	16.97	19.53	22.10	24.66	27.22	29.78	32.34	34.91						
	114	4.38	7.08	9.77	12.47	15.17	17.86	20.56	23.25	25.95	28.65	31.34	34.04	36.74						
	120	4.60	7.43	10.26	13.09	15.92	18.75	21.58	24.41	27.24	30.08	32.91	35.74	38.57						