

MODEL EL-4

FIXED 4" LOUVER

STANDARD CONSTRUCTION:

Frame: .081 Extruded Aluminum, 4.16" Deep

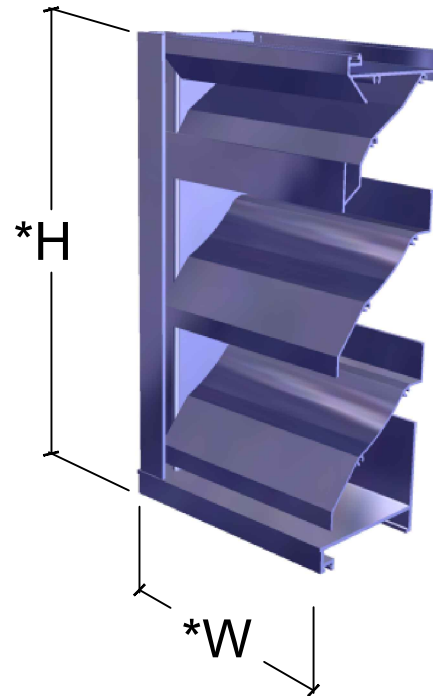
Blade: .081 Extruded Aluminum positioned on a 40° angle on approximately 4.625" centers

Birdscreen: 0.50" x .050" 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: 12 x12

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

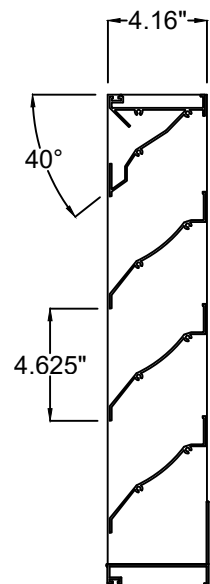
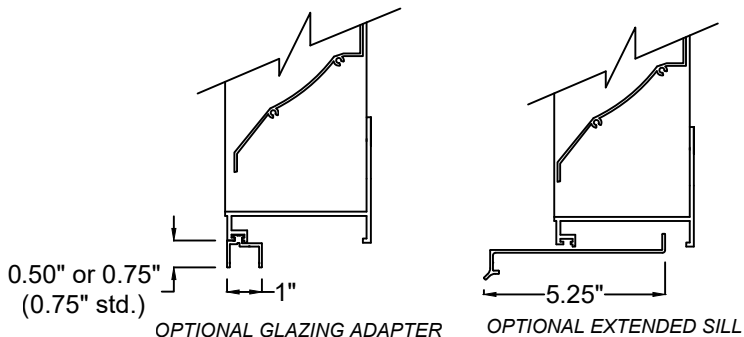
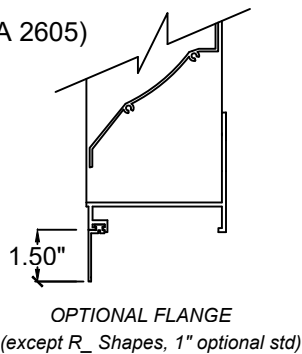


OPTIONS:

- ☐ Flanged Frame (1.50" std.), (1" std for shapes R_)
- ☐ Custom Flange (1", 2", or 3"), (1.5", 2", or 3" for shapes R_)
- ☐ Glazing Adapter (0.50" or 0.75")
- ☐ Extended Sill
- ☐ Insect Screen (Other Screens Available, See Screen Page)
- ☐ 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



Section View

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

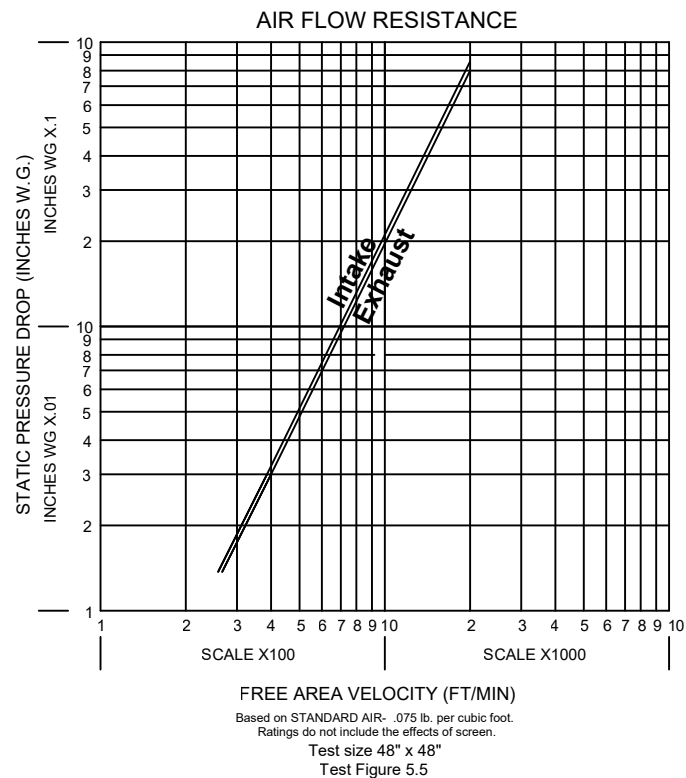


MODEL EL-4 (Fixed J/K Blade Louver)

DRAWN BY:	DATE:	REV. DATE:	REV. NO.	APPROVED BY:	DWG. NO.:
CLJ	NOVEMBER 2002	MARCH 2026	8		A-8

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

PERFORMANCE DATA



Beginning point of **WATER PENETRATION** for **MODEL EL-4** is
995 fpm
free area velocity at .01 oz. of water

SUGGESTED SPECIFICATION

Finish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be "J" blade style with 40° stationary blades. Stationary blades shall be contained within a 4.16" 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 provided 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 wind).

Louvers shall be S&P EL-4 6063T5 aluminum construction as follows:

FRAME: 4.16" deep, .081" nominal wall thickness

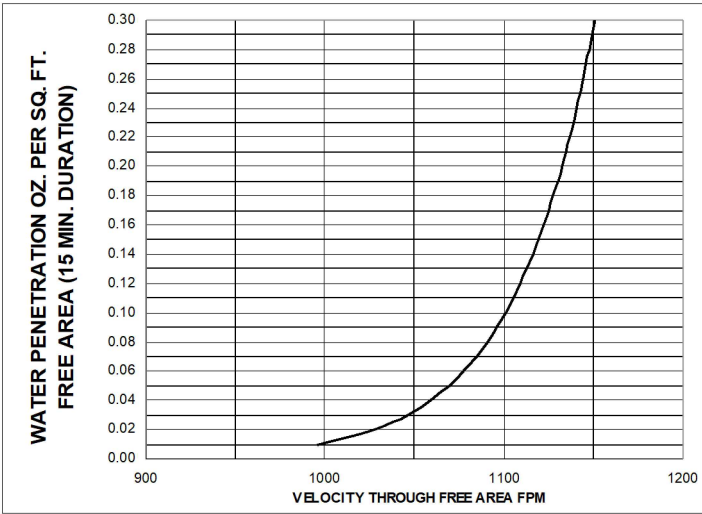
BLADES: .081" nominal wall thickness. Blades are positioned at 39° angle and spaced approximately 4.625" center to center.

SCREEN: .75" x .051" (19 x 1.3) expanded, flattened aluminum in removable frame.

FINISH: Select finish specification from S&P Finishes brochure.

Water Penetration

Standard Air-.075 lb/ft³



EL-4 FREE AREA IN SQ. FT.

Louver Height Inches	Width - Inches																			Louver Height Inches	
	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120		
Height - Inches	12	0.35	0.57	0.78	1.00	1.21	1.43	1.65	1.86	2.08	2.29	2.51	2.72	2.94	3.16	3.37	3.59	3.80	4.02	4.24	12
	18	0.53	0.86	1.18	1.51	1.84	2.16	2.49	2.82	3.14	3.47	3.80	4.12	4.45	4.78	5.10	5.43	5.76	6.08	6.41	18
	24	0.81	1.30	1.80	2.30	2.80	3.29	3.79	4.29	4.78	5.28	5.78	6.28	6.77	7.27	7.77	8.26	8.76	9.26	9.76	24
	30	1.10	1.77	2.44	3.12	3.79	4.47	5.14	5.81	6.49	7.16	7.84	8.51	9.19	9.86	10.53	11.21	11.88	12.56	13.23	30
	36	1.29	2.08	2.87	3.66	4.46	5.25	6.04	6.83	7.62	8.42	9.21	10.00	10.79	11.58	12.38	13.17	13.96	14.75	15.54	36
	42	1.56	2.51	3.47	4.43	5.39	6.34	7.30	8.26	9.22	10.17	11.13	12.09	13.05	14.00	14.96	15.92	16.88	17.83	18.79	42
	48	1.79	2.90	4.00	5.11	6.21	7.32	8.42	9.52	10.63	11.73	12.84	13.94	15.04	16.15	17.25	18.36	19.46	20.57	21.67	48
	54	2.04	3.30	4.55	5.81	7.06	8.32	9.58	10.83	12.09	13.34	14.60	15.85	17.11	18.37	19.62	20.88	22.13	23.39	24.65	54
	60	2.31	3.73	5.15	6.57	7.99	9.40	10.82	12.24	13.66	15.08	16.50	17.92	19.34	20.76	22.18	23.60	25.02	26.44	27.86	60
	66	2.59	4.18	5.77	7.37	8.96	10.55	12.14	13.74	15.33	16.92	18.51	20.11	21.70	23.29	24.88	26.48	28.07	29.66	31.25	66
	72	2.88	4.65	6.42	8.19	9.96	11.73	13.50	15.27	17.04	18.81	20.58	22.35	24.12	25.89	27.66	29.43	31.20	32.97	34.74	72
	78	3.06	4.94	6.83	8.71	10.59	12.47	14.36	16.24	18.12	20.01	21.89	23.77	25.65	27.54	29.42	31.30	33.19	35.07	36.95	78
	84	3.33	5.39	7.44	9.49	11.54	13.59	15.64	17.70	19.75	21.80	23.85	25.90	27.95	30.01	32.06	34.11	36.16	38.21	40.26	84
	90	3.62	5.85	8.08	10.31	12.54	14.77	17.00	19.23	21.46	23.68	25.91	28.14	30.37							
	96	3.82	6.17	8.52	10.86	13.21	15.56	17.91	20.26	22.61	24.96	27.31	29.66	32.01							
	102	4.08	6.60	9.11	11.62	14.14	16.65	19.16	21.67	24.19	26.70	29.21	31.73	34.24							
108	4.37	7.06	9.75	12.43	15.12	17.81	20.50	23.19	25.88	28.56	31.25	33.94	36.63								
114	4.66	7.52	10.39	13.25	16.12	18.98	21.85	24.71	27.58	30.45	33.31	36.18	39.04								
120	4.83	7.81	10.78	13.76	16.73	19.71	22.68	25.66	28.63	31.61	34.58	37.56	40.53								

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.