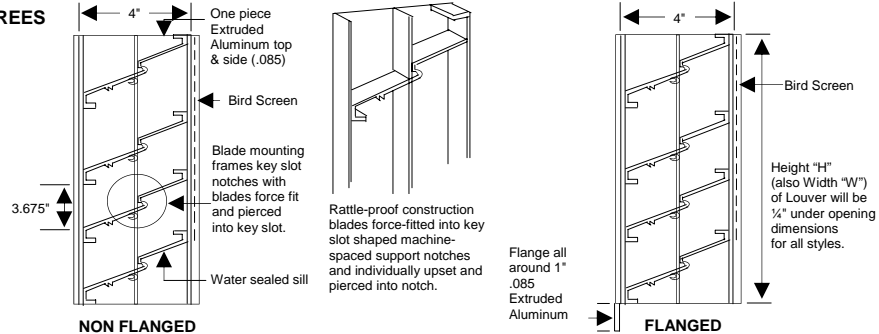
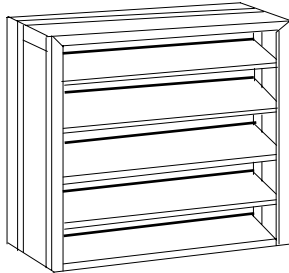


SUBMITTAL DATA

EXTRUDED ALUMINUM LOUVER BUCKLEY MODEL EAL-4

STATIONARY BLADE @ 40 DEGREES



CONSTRUCTION:

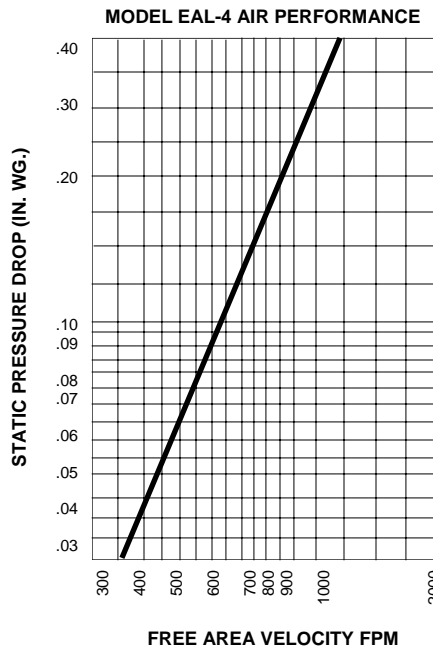
- Blades:** (.074) Extruded Aluminum 6063-T5
- Frame:** (.085) Extruded Aluminum 6063-T5
- Screen:** (.051)x5/8" Aluminum Expanded Diamond Pattern

Finish: Standard Mill (Bronze available)
 Louvers are 4" deep, smallest size available is 8" x 8". Louvers are undercut by 1/4" unless otherwise specified.

TYPICAL SPECIFICATIONS

MODEL EAL-4 STATIONARY EXTRUDED ALUMINUM INTAKE AND EXHAUST LOUVER

Install where detailed on plans. Manufactured by BUCKLEY ASSOCIATES, INC. Louvers shall be 4" deep and shall have extruded blades .074 and frame .085 thick, 6063-T5 alloy. Blades shall be on 4.375" centers. Provide flat expanded .051 thick 5/8" diamond pattern bird screen secured to louver on inside face. All louvers to be mill finished and undercut by 1/4" unless otherwise specified.
 *Bronze finish optional. Material electrostatically painted using a Ransburg Turbo Disc. A 5-stage pretreatment process precedes the painting which is completed by a 20 minute bake cycle at 320 degrees F.



HEIGHT (INCHES)	MODEL EAL-4 FREE AREA WIDTH (INCHES)										
	12	18	24	30	36	42	48	54	60	66	72
12	.22	.36	.49	.62	.75	.88	1.01	1.14	1.27	1.40	1.53
18	.47	.75	1.03	1.31	1.59	1.87	2.15	2.43	2.71	3.00	3.28
24	.70	1.11	1.53	1.94	2.36	2.77	3.19	3.60	4.02	4.43	4.85
30	.95	1.52	2.09	2.66	3.23	3.80	4.37	4.94	5.51	6.08	6.65
36	1.21	1.93	2.65	3.37	4.09	4.81	5.53	6.25	7.02	7.74	8.46
42	1.43	2.28	3.14	4.00	4.86	5.72	6.58	7.44	8.30	9.16	10.02
48	1.68	2.69	3.70	4.71	5.72	6.73	7.74	8.75	9.76	10.77	11.78
54	1.91	3.06	4.20	5.35	6.50	7.65	8.80	9.95	11.10	12.25	13.40
60	2.12	3.39	4.66	5.93	7.20	8.47	9.74	11.01	12.28	13.55	14.82
66	2.38	3.80	5.22	6.64	8.06	9.48	10.90	12.32	13.74	15.16	16.58
72	2.61	4.17	5.73	7.29	8.85	10.41	11.97	13.53	15.09	16.65	18.21
78	2.82	4.50	6.19	7.88	9.87	11.26	12.95	14.64	16.33	18.02	19.71
84	3.07	4.91	6.75	8.59	10.43	12.27	14.11	15.95	17.79	19.63	21.47
90	3.30	5.28	7.26	9.24	11.22	13.20	15.18	17.16	19.14	21.12	23.10
96	3.54	5.65	7.77	9.89	12.01	14.13	16.25	18.37	20.59	22.71	24.83

SIZING LOUVERS $\frac{CFM}{FPM} = \text{FREE AREA}$

Example: Louver needed to handle 3000 CFM at 550 FPM
 $\frac{2250 \text{ CFM}}{550 \text{ FPM}} = 4.09 \text{ SQ. FT. FREE AREA}$ Some possible sizes, 36 x 36 or 24 x 54
 Recommended maximum intake free area velocity 700 FPM.

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MANUFACTURED BY: Buckley Associates, Inc. HANOVER, MA

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