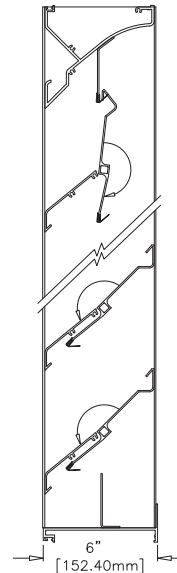




COMBINATION STATIONARY & ADJUSTABLE BLADE LOUVER

Visible Mullion Louver Type	K8306
Material	Extruded Aluminum (Alloy 6063-T5)
Stationary Blade	0.081 in. (2.06 mm)
Adjustable Blade	0.081 in. (2.06 mm)
Frame	0.125 in. (3.175 mm)
Louwer Depth	6 in. (152.4 mm)
Blade Angle	45°
Free Area – 4 ft. x 4 ft. Unit	7.18 sq. ft. (0.67 sq m)
Percent Free Area	46.4%
Free Area Velocity at Beginning Point of Water Penetration – 0.01 oz H₂O/sq. ft. Free Area	1,193 fpm (6.06 m/s)
Air Volume Flow Rate at Beginning Point of Water Penetration – 4 ft. x 4 ft. Unit	7,385 cfm (3.53 m ³ /s)
Pressure Drop at Beginning Point of Water Penetration	0.13 in. H ₂ O (0.032 kPa)



RECOMMENDED SPECIFICATION

GENERAL

Furnish and install where indicated on plans or described in schedules Combination Stationary and Adjustable Blade Louver Type K8306 as designed and manufactured by The Airolite Company LLC, Schofield, Wisconsin. Louvers shall be furnished with bird screen, insect screen, electric or pneumatic actuators, supports and finishes as specified and as required for a complete installation.

SUBMITTALS

Manufacturer shall submit shop drawings incorporating key plans, elevations, sections and details showing profiles, angles and spacing of louver blades and frames; unit dimensions related to wall openings and construction; and, anchorage details and locations. Provide samples of manufacturer's finish and color charts showing the full range of colors available. For each type of product specified, submit free area, air performance, and water penetration ratings determined in accordance with AMCA Standard 500-L 99 and licensed under the AMCA Certified Ratings Program.

PRODUCTS

Louvers shall be combination type incorporating both stationary and adjustable blades in a single frame. Louvers shall be 6-inches (152 mm) deep and assembled entirely from extruded aluminum. Blade shall be 0.081-inch (2 mm) thick extruded aluminum, alloy 6063-T5. Frames shall be 0.125-inch (3 mm) thick extruded aluminum, alloy 6063-T5. The louver head and each jamb frame shall incorporate integral gutters to minimize water penetration. Stationary blades shall be positioned at 45-degrees and spaced 6.5-inches (165.1 mm) on center. Adjustable blades shall be fitted with dual-durometer vinyl blade-edge gaskets and compressible stainless steel jamb seals at each jamb frame to result in low-air leakage and high resistance to water penetration when the adjustable blade is closed. The blade linkage assembly shall be fully-enclosed within the louver jamb frame and isolated from the active airstream.

STRUCTURAL DESIGN CRITERIA

Louvers and any supports required by the manufacturer shall be designed and furnished by the manufacturer to withstand a wind force of not less than 25 pounds per square foot. Louvers larger than 60-inches (152 cm) wide x 96-inches (244 cm) high will be fabricated and installed in multiple sections. Louver blades, frames, mullions and anchorages shall be demonstrated to withstand the specified wind design load.

PERFORMANCE RATINGS

FREE AREA:	7.18 Square Feet (0.67 m ²)
MINIMUM FREE AREA VELOCITY at Beginning Point of Water Penetration:	1,193 fpm (6.06m/s)
MINIMUM AIR VOLUME FLOW RATE at Beginning Point of Water Penetration:	7,385 cfm (3.53 m ³ /s)
MAXIMUM STATIC PRESSURE at Beginning Point of Water Penetration:	0.13 in. H ₂ O (0.032 kPa)

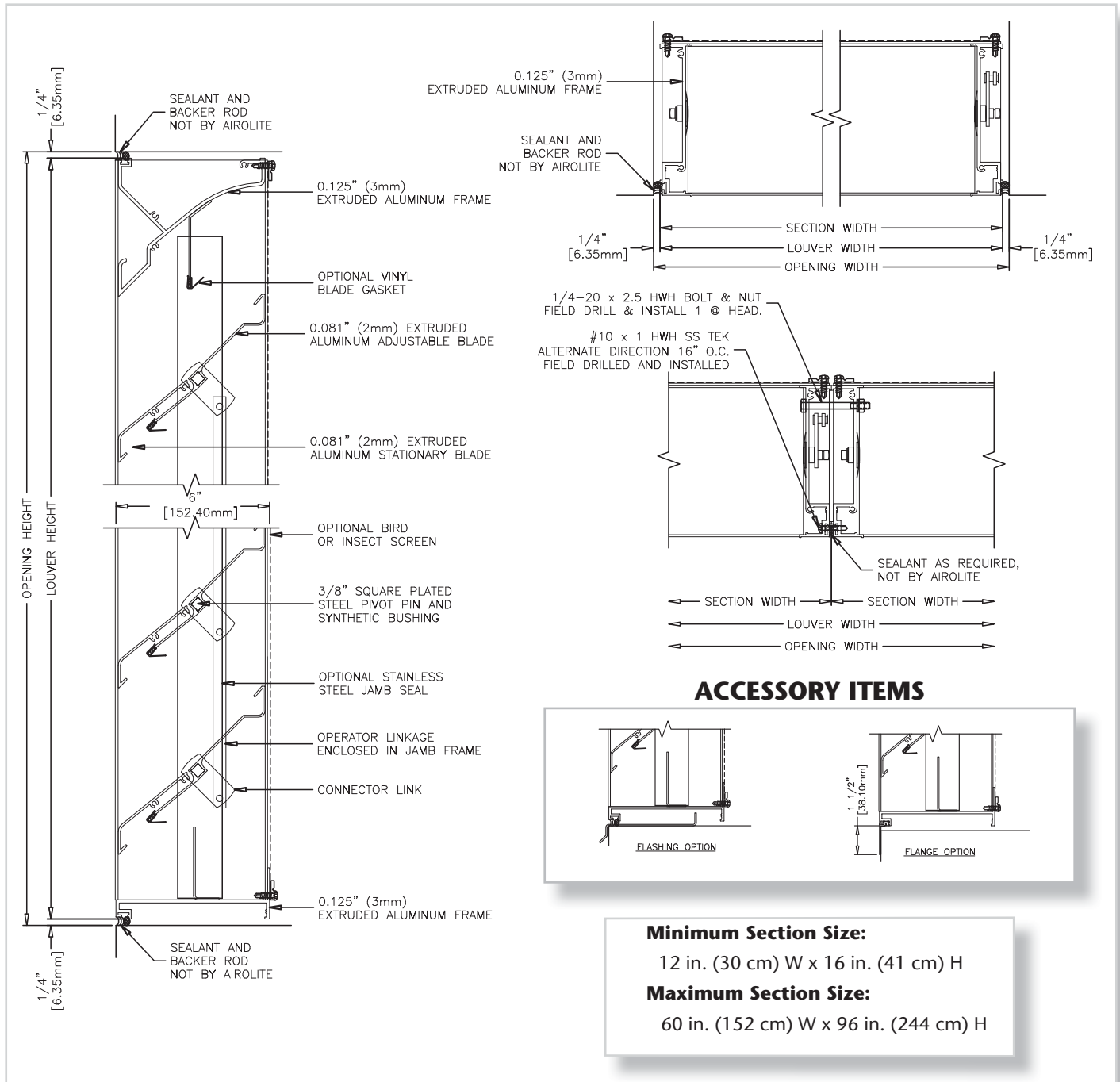
See page 4 for complete finish options

LOUVER TYPE K8306 PRODUCT DESCRIPTION & DETAILS

AIROLITE LOUVER TYPE K8306 is a combination louver that incorporates both stationary and adjustable blades in a single 6-inch deep frame. Combination louvers offer the constant exterior appearance characteristic of stationary louvers yet afford optimum control of intake and exhaust air volume flow rates through operation of the adjustable blade. When open, this louver provides excellent protection against weather penetration yet permits active intake or exhaust ventilation. When closed, dual durometer blade-edge seals and compressible stainless steel jamb seals inhibit air leakage and weather penetration by forming a low-leakage seal. Adjustable blade position may be controlled with manually operated hand-crank, pull-chains, fusible-link mechanisms, and electric motor or pneumatic actuators. Louver Type K8306 is an effective combination louver with AMCA licensed air performance and water penetration ratings that enable designers to select and specify this product with confidence. Please contact your local Airlite representative or the factory for assistance with the layout and design of operator and support systems when required.

VERTICAL SECTION DETAIL


PLAN SECTION DETAIL



LOUVER TYPE K8306 PERFORMANCE RATINGS

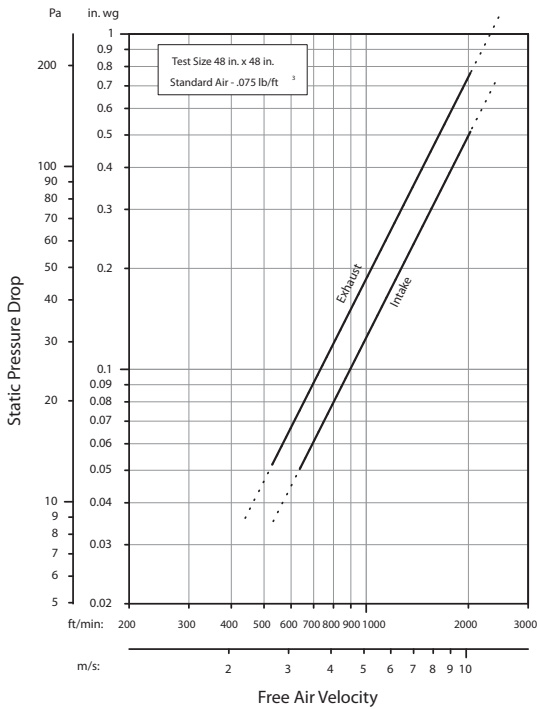
FREE AREA CHART - in square feet

Louver Height Inches	Louver Width in Inches													
	12	15	18	21	24	27	30	33	36	39	42	48	54	60
16	0.24	0.32	0.40	0.48	0.56	0.64	0.72	0.80	0.88	0.96	1.04	1.20	1.36	1.52
18	0.24	0.32	0.40	0.48	0.56	0.64	0.72	0.80	0.88	0.96	1.04	1.20	1.36	1.52
21	0.49	0.64	0.80	0.96	1.12	1.28	1.44	1.60	1.76	1.92	2.08	2.40	2.72	3.04
24	0.49	0.64	0.80	0.96	1.12	1.28	1.44	1.60	1.76	1.92	2.08	2.40	2.72	3.04
27	0.72	0.95	1.19	1.43	1.66	1.90	2.14	2.37	2.61	2.84	3.08	3.55	4.02	4.50
30	0.73	0.97	1.20	1.44	1.68	1.92	2.16	2.40	2.64	2.88	3.12	3.59	4.07	4.55
33	0.93	1.23	1.54	1.84	2.15	2.45	2.76	3.06	3.37	3.67	3.98	4.59	5.20	5.81
36	0.97	1.29	1.61	1.92	2.24	2.56	2.88	3.20	3.52	3.83	4.15	4.79	5.43	6.06
39	0.97	1.29	1.61	1.92	2.24	2.56	2.88	3.20	3.52	3.83	4.15	4.79	5.43	6.06
42	1.21	1.61	2.01	2.40	2.80	3.20	3.60	3.99	4.39	4.79	5.19	5.98	6.78	7.57
45	1.21	1.61	2.01	2.40	2.80	3.20	3.60	3.99	4.39	4.79	5.19	5.98	6.78	7.57
48	1.45	1.93	2.41	2.88	3.36	3.84	4.31	4.79	5.27	5.75	6.22	7.18	8.13	9.09
51	1.45	1.93	2.41	2.88	3.36	3.84	4.31	4.79	5.27	5.75	6.22	7.18	8.13	9.09
54	1.69	2.25	2.81	3.36	3.92	4.48	5.03	5.59	6.15	6.70	7.26	8.37	9.49	10.60
60	1.93	2.57	3.21	3.84	4.48	5.12	5.75	6.39	7.02	7.66	8.30	9.57	10.84	12.11
66	2.17	2.88	3.59	4.31	5.02	5.73	6.44	7.16	7.87	8.58	9.29	10.72	12.15	13.57
72	2.38	3.16	3.94	4.72	5.50	6.29	7.07	7.85	8.63	9.41	10.19	11.76	13.32	14.89
78	2.42	3.21	4.01	4.80	5.60	6.39	7.19	7.98	8.78	9.57	10.37	11.96	13.55	15.14
84	2.66	3.53	4.41	5.28	6.16	7.03	7.91	8.78	9.65	10.53	11.40	13.15	14.90	16.65
90	2.90	3.85	4.81	5.76	6.72	7.67	8.62	9.58	10.53	11.49	12.44	14.35	16.25	18.16
96	3.14	4.18	5.21	6.24	7.28	8.31	9.34	10.38	11.41	12.44	13.47	15.54	17.61	19.67



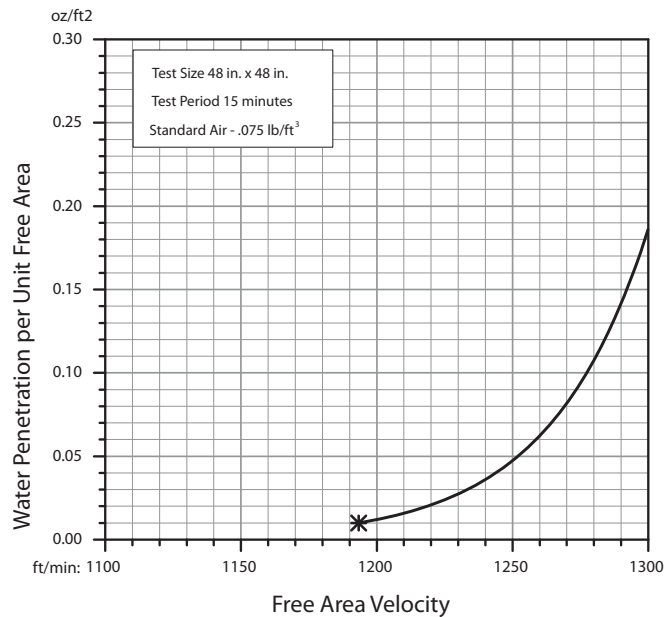
The Airlite Company, LLC certifies that Louver Type K8306 shown herein is licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies only to Air Performance and Water Penetration ratings.

AIRFLOW RESISTANCE (Standard Air - .075 lb./ft.³)



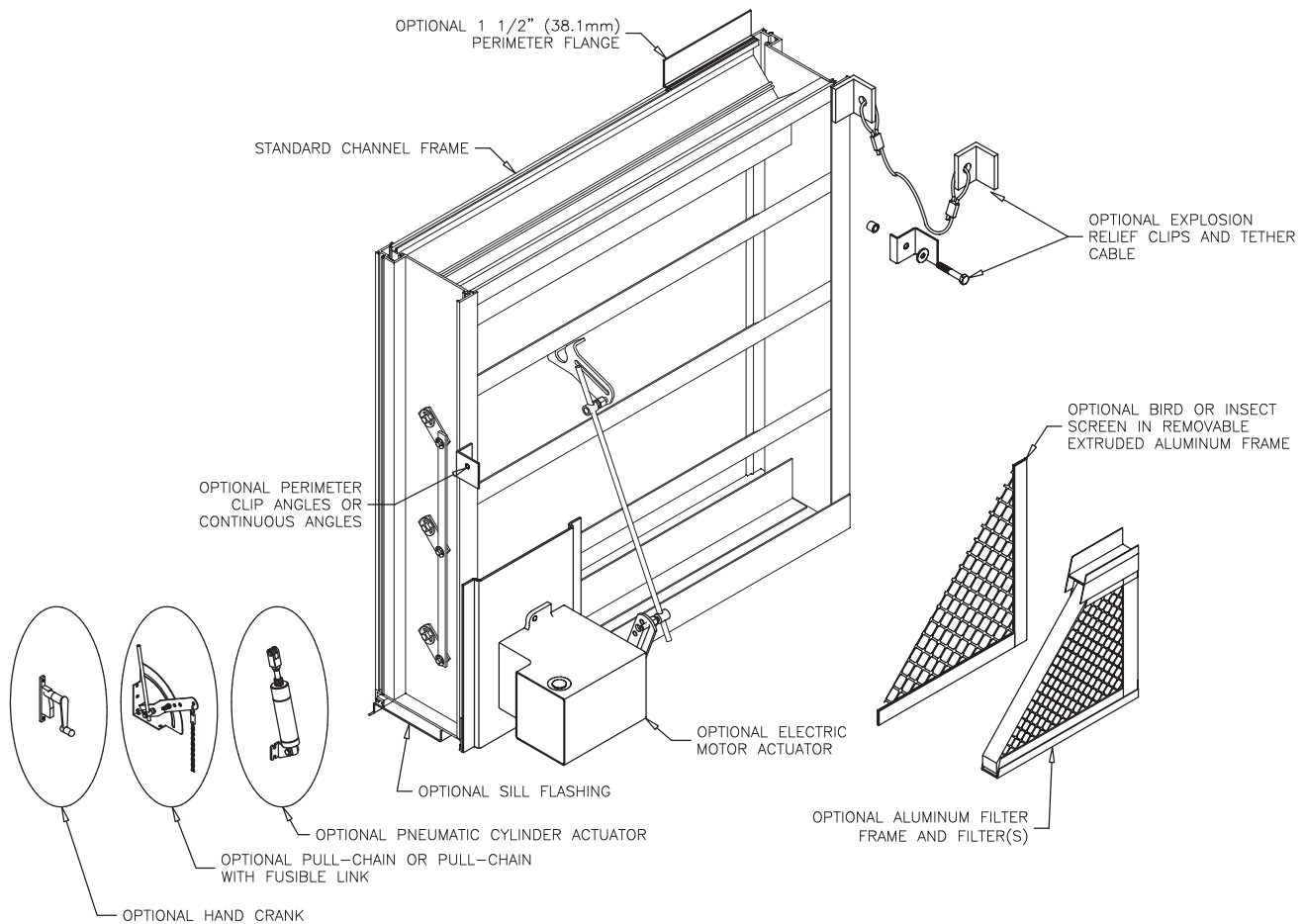
Louver Type K8306 resistance to airflow is shown with louver blades fully open. Resistance (pressure drop) varies depending on louver application (air intake or air exhaust). Free area velocities (shown) are higher than average velocity through the overall louver size.

WATER PENETRATION (Standard Air - .075 lb./ft.³)



The AMCA Water Penetration Test provides a method for comparing various louver models and designs as to their efficiency in resisting the penetration of rainfall under specific laboratory test conditions. The point of zero water penetration is defined as that velocity where the water penetration curve projects through .01 oz. of water (penetration) per sq. ft. of louver free area. ***The beginning point of water penetration for Louver Type K8306 is 1193 fpm free area velocity.** These performance ratings do not guarantee a louver to be weatherproof or storm-proof and should be used in combination with other factors including good engineering judgement in selecting louvers.

LOUVER TYPE K8306 METHOD OF INSTALLATION & ACCESSORY OPTIONS



FINISHES* (Select one of the following)

ACRYLIC ENAMEL: Louvers shall be cleaned, pretreated and Finished with an oven-cured thermosetting acrylic enamel finish that meets or exceeds the performance requirements of AAMA 2603, "Voluntary Specification Performance Requirements and Test Procedures for Pigmented Organic Coatings."

2-COAT FLUOROPOLYMER: Louvers shall be cleaned, pretreated and Finished with an inhibitive primer and oven-cured Kynar 500® / Hylar 5000® resin coating with minimum 1.2 mils dry-film coating thickness that meets or exceeds the performance requirements of AAMA 2605, "Voluntary Specification, Performance Requirements and Test Procedures for Superior Performance Organic Coatings on Aluminum Extrusions and Panels."

3-COAT FLUOROPOLYMER: Louvers shall be cleaned, pretreated and Finished with an inhibitive primer and oven-cured Kynar 500® / Hylar 5000® resin coating with minimum 2.0 mils dry-film coating thickness that meets or exceeds the performance requirements of AAMA 2605, "Voluntary Specification, Performance Requirements and Test Procedures for Superior Performance Organic Coatings on Aluminum Extrusions and Panels."

CLEAR ANODIZE: Louvers shall be Finished with a Class I clear anodized coating (AA-M10C22A41) that complies with the performance requirements of AAMA Specification 611-98, "Voluntary Specification for Anodized Architectural Aluminum."

COLOR ANODIZE: Louvers shall be Finished with a Class I electrolytically color anodized coating (AA-M10C22A42/44) that complies with the performance requirements of AAMA Specification 611-98, "Voluntary Specification for Anodized Architectural Aluminum." Color shall be (select one): Champagne, Light Bronze, Medium Bronze, Dark Bronze, Extra Dark Bronze or Black Anodize.

* Note: Louver finish makes reference to the finish on the louver frames, blades, screens and/or blank-off panels as specified. As standard, all actuator mounting channels and additional corner supports are mill finish. If color to match louver is required, please consult the factory for additional costs.

AIROLITE®
The look that works.™

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Submittal K8306 June 2005, Revision 1
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