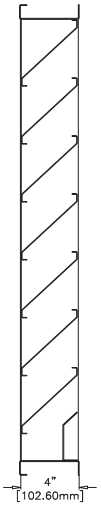
AIROLITE®
The look that works.™

LOUVER TYPE
609

FABRICATED LOUVER

Visible Mullion Louver Type	609
Continuous Mullion Louver Type	FCB609
Material	Galvanized Steel
Stationary Blade	20 gauge (1.01 mm)
Frame	16 gauge (1.52 mm)
Louver Depth	4 in. (101.6 mm)
Blade Angle	43°
Free Area – 4 ft. x 4 ft. Unit	7.55 sq. ft. (0.70 sq m)
Percent Free Area	47.2%
Free Area Velocity at Beginning Point of Water Penetration – 0.01 oz H_2O/sq. ft. Free Area	839 fpm (4.25 m/s)
Air Volume Flow Rate at Beginning Point of Water Penetration – 4 ft. x 4 ft. Unit	6,334 cfm (2.98 m^3/s)
Pressure Drop at Beginning Point of Water Penetration	0.09 in. H_2O (0.023 kPa)



RECOMMENDED SPECIFICATION

GENERAL
Furnish and install where indicated on plans or described in schedules Louver Type 609 (or FCB609) as designed and manufactured by The Airolite Company LLC, Schofield, Wisconsin. Louvers shall be furnished with bird screen, insect screen, supports, installation hardware 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, water penetration ratings. Performance ratings shall be determined in accordance with AMCA Standard 500-L-99 and licensed under the AMCA Certified Ratings Program.

PRODUCTS
Louvers shall be architectural blade Louver Type 609 with visible vertical mullions (or Louver Type FCB609 with concealed vertical mullions). Louvers shall be 4-inches (101.6 mm) deep and assembled entirely from galvanized steel components. Blades shall be 20 gauge (1.01 mm) galvanized steel and frames shall be 16 gauge (1.52 mm) galvanized steel. Blades shall be stationary, horizontal and spaced 4-inches (101.6 mm) on center.

STRUCTURAL DESIGN CRITERIA
Manufacturer shall design and furnish all supports required to withstand a wind force of not less than 25 pounds per square foot. Louvers larger than 60-inches wide x 96-inches 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

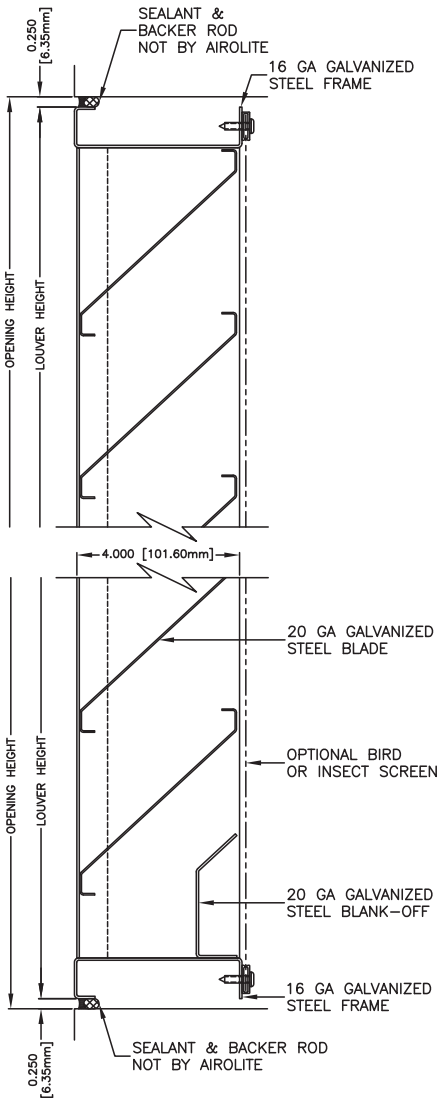
FREE AREA:	7.55 Square Feet (0.70 m^2)
MINIMUM FREE AREA VELOCITY at Beginning Point of Water Penetration:	839 fpm (4.25 m/s)
MINIMUM AIR VOLUME FLOW RATE at Beginning Point of Water Penetration:	6,334 cfm (2.98 m^3/s)
MAXIMUM STATIC PRESSURE at Beginning Point of Water Penetration:	0.09 in. H_2O (0.023 kPa)

See page 4 for complete finish options

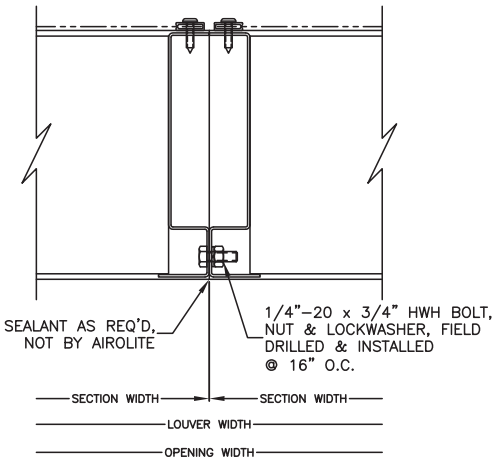
LOUVER TYPE 609 PRODUCT DESCRIPTION & DETAILS

AIROLITE LOUVER TYPE 609 is a versatile, horizontal blade, 4-inch (101.6 mm) deep architectural louver designed for applications that require intake and exhaust ventilation with moderate protection against water penetration. Galvanized steel louvers are more resilient than extruded aluminum louvers when security is a concern or installed at grade and subject to physical abuse. Louver Type 609 is available with both concealed and visible vertical mullions to complement and enhance exterior façade elements. Specify Louver Type 609 with visible mullions; and, Louver Type FCB609 with concealed vertical mullions. Louver Type 609 is an efficient 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 Airolite representative or the factory for assistance with the layout and design of supports systems when required.

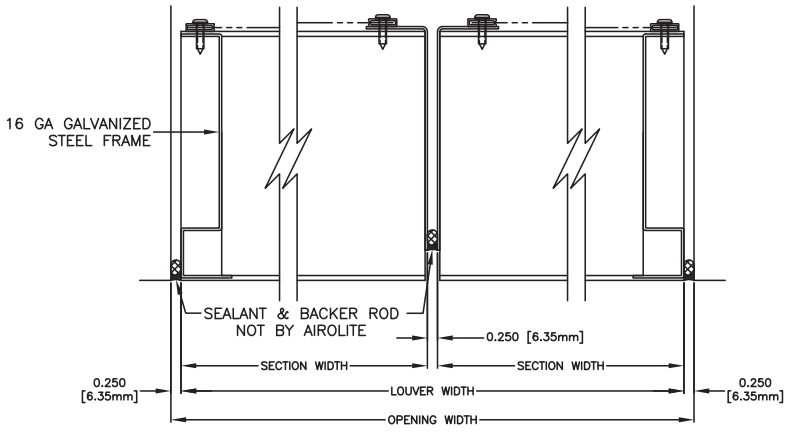
VERTICAL SECTION DETAIL



PLAN SECTION DETAIL



VISIBLE VERTICAL MULLION

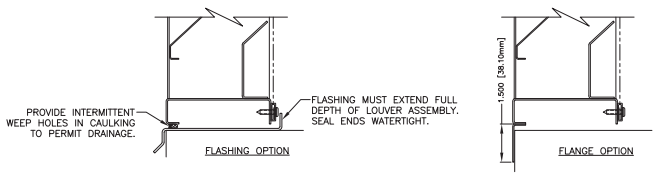


INVISIBLE VERTICAL MULLION

Minimum Section Size:
12 in. (30 cm) W x 12 in. (30 cm) H

Maximum Section Size:
60 in. (152 cm) W x 96 in. (244 cm) H

ACCESSORY ITEMS



LOUVER TYPE 609 PERFORMANCE RATINGS

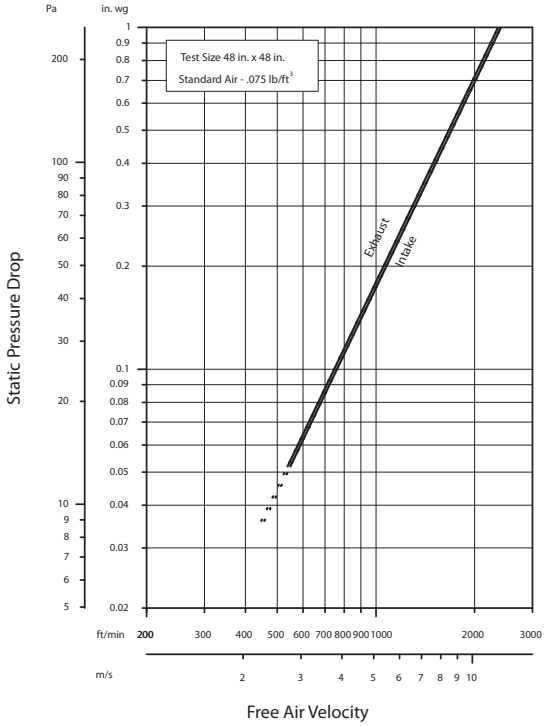
FREE AREA CHART - in square feet

Louver Height Inches	Louver Width in Inches									
	8	12	18	24	30	36	42	48	54	60
10	0.07	0.11	0.19	0.26	0.34	0.41	0.49	0.56	0.64	0.71
12	0.13	0.23	0.38	0.53	0.68	0.83	0.98	1.13	1.28	1.43
18	0.23	0.41	0.67	0.93	1.20	1.46	1.73	1.99	2.25	2.52
24	0.38	0.67	1.10	1.54	1.97	2.40	2.84	3.27	3.70	4.14
30	0.48	0.84	1.39	1.94	2.49	3.04	3.58	4.13	4.68	5.23
36	0.63	1.11	1.82	2.54	3.26	3.98	4.69	5.41	6.13	6.85
42	0.73	1.28	2.11	2.95	3.78	4.61	5.44	6.27	7.11	7.94
48	0.88	1.54	2.55	3.55	4.55	5.55	6.55	7.55	8.56	9.56
54	0.98	1.72	2.84	3.95	5.07	6.18	7.30	8.42	9.53	10.62
60	1.12	1.98	3.27	4.55	5.84	7.12	8.41	9.70	10.95	12.27
66	1.22	2.16	3.56	4.96	6.36	7.76	9.16	10.56	11.96	13.36
72	1.37	2.42	3.99	5.56	7.13	8.70	10.27	11.84	13.41	14.98
78	1.47	2.60	4.28	5.96	7.65	9.33	11.02	12.70	14.38	16.07
84	1.62	2.86	4.71	6.57	8.42	10.27	12.13	13.98	15.83	17.69
90	1.72	3.03	5.00	6.97	8.94	10.91	12.87	14.84	16.81	18.78
96	1.87	3.30	5.43	7.57	9.71	11.85	13.98	16.12	18.26	20.40

The Airolite Company, LLC certifies that Louver Type 609 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

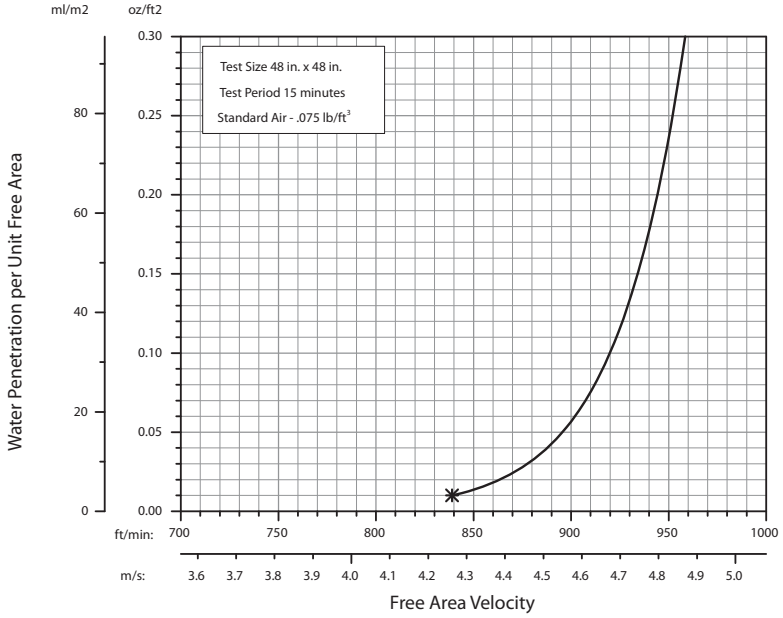
(Standard Air - .075 lb./ft.^{3})



Louver Type 609 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.

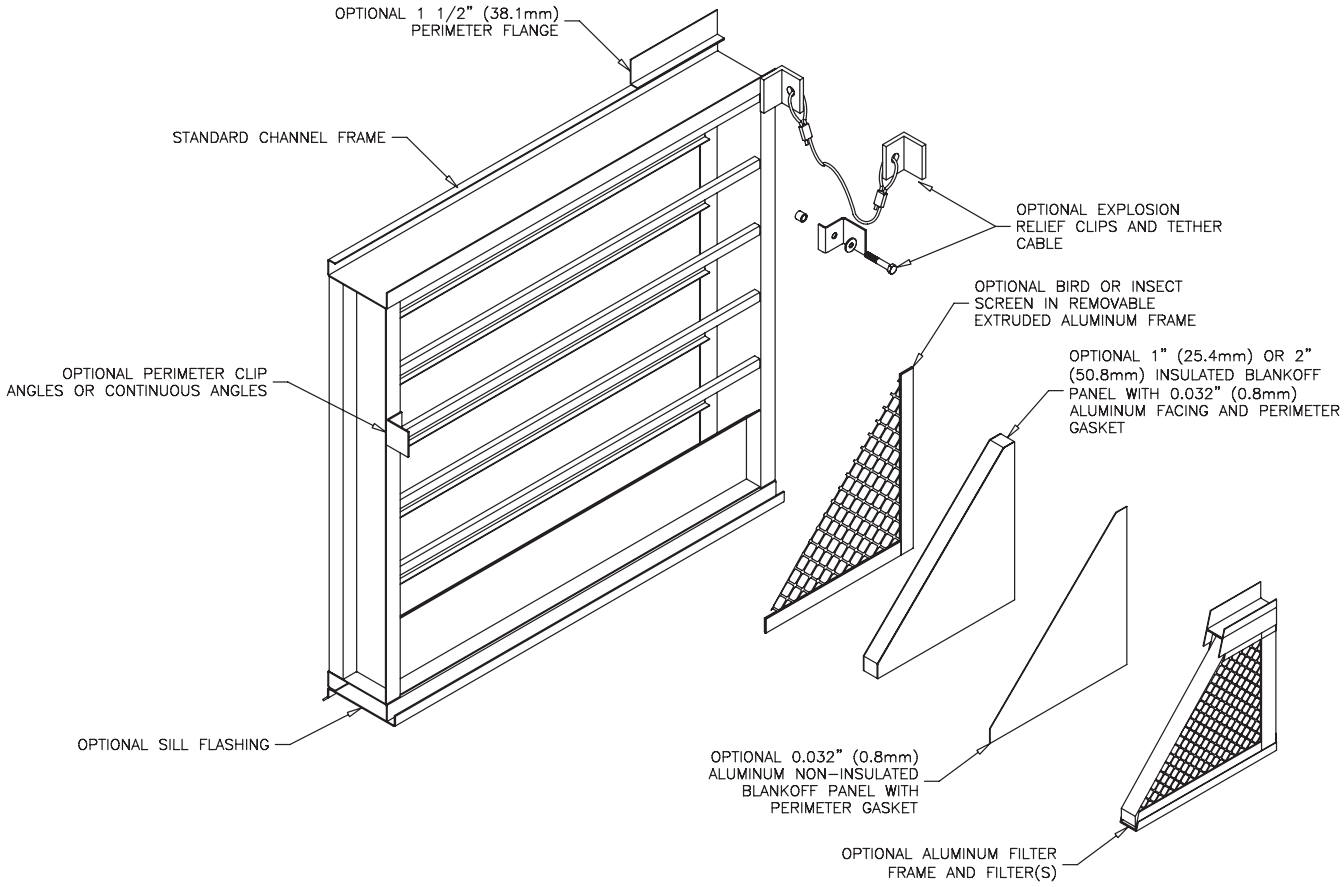
WATER PENETRATION

(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 609 is 839 fpm free area velocity**. These performance ratings do not guarantee a louver to be weatherproof or stormproof and should be used in combination with other factors including good engineering judgement in selecting louvers.

LOUVER TYPE 609
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 Finshed 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."

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