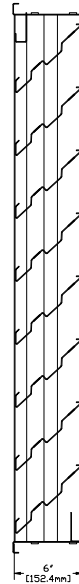




FABRICATED DUAL DRAINABLE LOUVER

Visible Mullion Louver Type	6766
Material	316 Stainless Steel, #4 Polish
Stationary Blade	16 gauge (1.6 mm)
Frame	16 gauge (1.6 mm)
Louver Depth	6 in. (152.4 mm)
Blade Angle45°
Free Area – 4 ft. x 4 ft. Unit	7.42 sq. ft. (0.69 sq m)
Percent Free Area	46.4%
Free Area Velocity at Beginning Point of Water Penetration – 0.01 oz H₂O/sq. ft. Free Area	
	1,104 fpm (5.61 m/s)
Air Volume Flow Rate at Beginning Point of Water Penetration – 4 ft. x 4 ft. Unit	
	8,195 cfm (3.87 m ³ /s)
Pressure Drop at Beginning Point of Water Penetration	
	0.14 in. H ₂ O (0.036 kPa)



RECOMMENDED SPECIFICATION

GENERAL

Furnish and install where indicated on plans or described in schedules Louver Type 6766 as designed and manufactured by The Airlite 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 descriptions related to wall openings and construction; and, anchorage details and locations. Provide samples of manufacturer's finish and color charts showing the fully range of colors available. For each type of product specified, submit free area, air performance, and water penetration ratings. Performance ratings shall be determined in accordance with AMCA Standard 500-L and licensed under the AMCA Certified Ratings Program.

PRODUCTS

Louvers shall be dual drainable Louver Type 6766 with visible vertical mullions. Louvers shall be 6-inches (152.4 mm) deep and assembled entirely from 316 stainless steel components. Blades and frames shall be 16 gauge (1.6 mm) 316 stainless steel. Blades shall be stationary, incorporate two drainable gutters, and be spaced 5 1/2-inches (139.7 mm) on center. Jamb frames shall incorporate two drainable gutters to ensure resistance to water penetration.

WELDED ASSEMBLY

Join stationary blade, head, sill and jamb frames with fillet welds concealed from view. Louver blades shall be joined to each jamb frame with a minimum of two welds produced with the Pulsed Gas Metal Arc Welding (GMAW/Mig) process.

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. Louvers blades, frames, mullions and anchorages shall be demonstrated to withstand the specified wind design load.

PERFORMANCE RATINGS

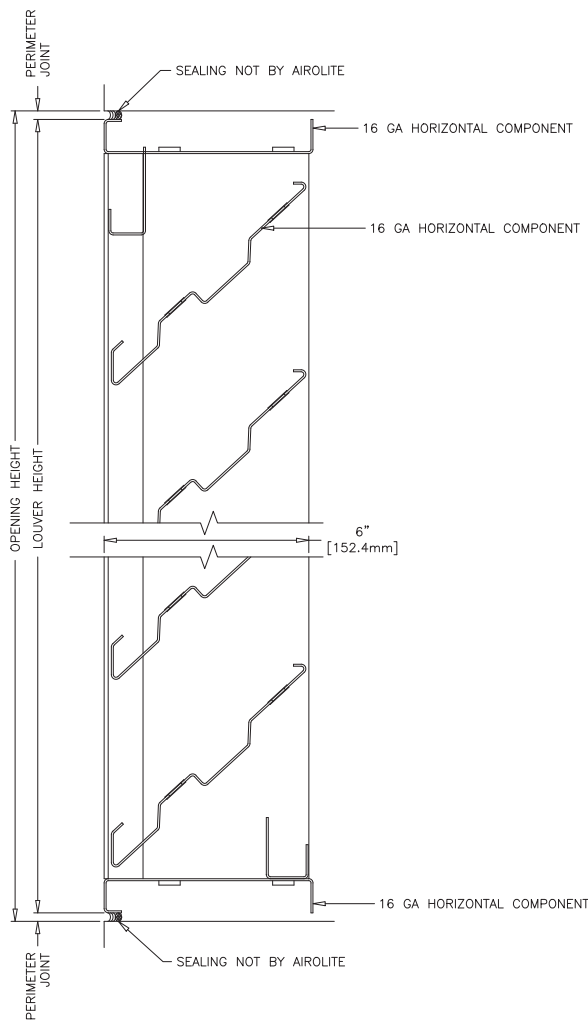
FREE AREA:	7.42 Square Feet (0.69 m ²)
MINIMUM FREE AREA VELOCITY at Beginning Point of Water Penetration:	1,104 fpm (5.61 m/s)
MINIMUM AIR VOLUME FLOW RATE at Beginning Point of Water Penetration:	8,195 cfm (3.87 m ³ /s)
MAXIMUM STATIC PRESSURE at Beginning Point of Water Penetration:	0.14 in. H ₂ O (0.036 kPa)

See page 4 for complete finish options

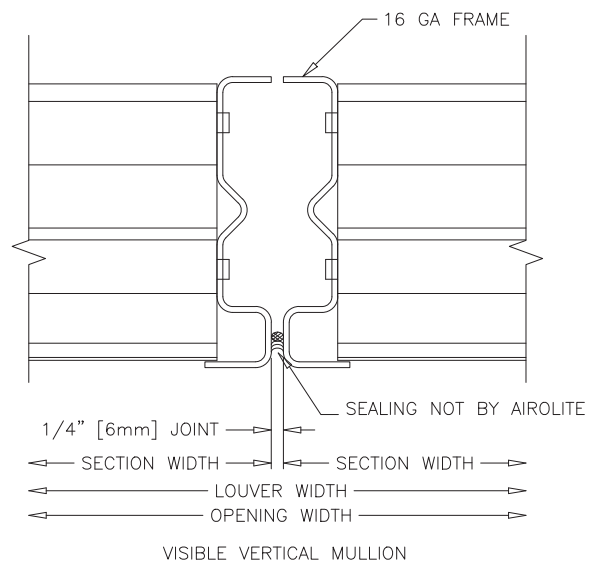
LOUVER TYPE 6766 PRODUCT DESCRIPTION & DETAILS

AIROLITE LOUVER TYPE 6766 is a 6-inch (152.4 mm) deep dual drainable louver designed to achieve high volume air flow and provide superior resistance to water penetration. Dual drainable louvers are characterized by two gutters incorporated in each blade to prevent water droplets from cascading from blade-to-blade and becoming entrained in the intake air flow. Two vertical gutters located in the jamb frames drain water to the sill frame where it exits from the assembly between the sill frame and bottom blade. Dual drainable louvers generally outperform conventional architectural blade louvers and provide enhance resistance to water penetration. In addition, 316 stainless steel louvers are more durable then extruded aluminum louvers when security is a concern or installed at grate and subject to physical abuse. Louver Type 6766 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 support systems when required.

VERTICAL SECTION DETAIL



PLAN SECTION DETAIL



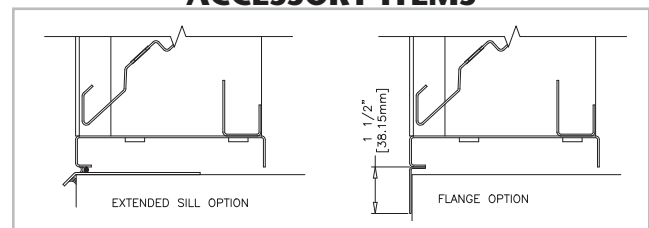
Minimum Section Size:

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 6766 PERFORMANCE RATINGS

FREE AREA CHART - in square feet (actual size)

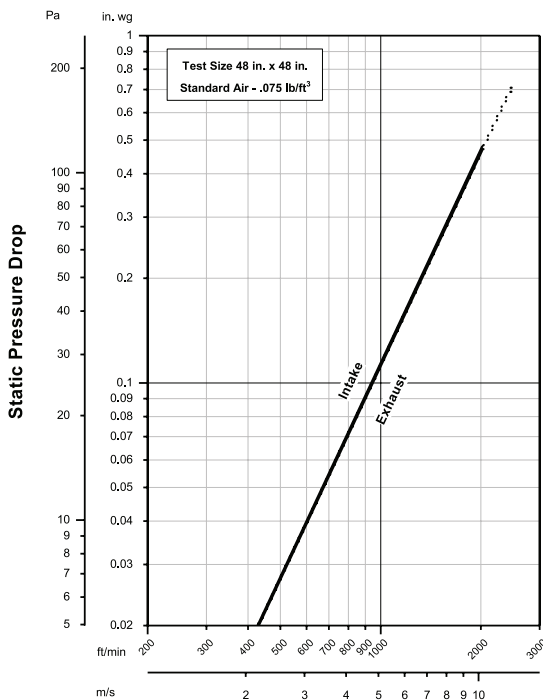
Louver Height Inches	Louver Width in Inches								
	12	18	24	30	36	42	48	54	60
12	0.16	0.27	0.38	0.49	0.59	0.70	0.81	0.91	1.02
18	0.37	0.61	0.84	1.08	1.32	1.56	1.80	2.03	2.27
24	0.57	0.94	1.31	1.68	2.05	2.42	2.79	3.16	3.52
30	0.77	1.27	1.77	2.27	2.78	3.28	3.78	4.28	4.78
36	0.98	1.61	2.24	2.87	3.50	4.13	4.77	5.40	6.03
42	1.18	1.94	2.70	3.47	4.23	4.99	5.76	6.52	7.28
48	1.52	2.50	3.49	4.47	5.45	6.44	7.42	8.40	9.39
54	1.75	2.89	4.02	5.16	6.30	7.43	8.57	9.70	10.84
60	1.99	3.28	4.56	5.85	7.14	8.43	9.71	11.00	12.29
66	2.25	3.72	5.18	6.64	8.10	9.56	11.02	12.48	13.94
72	2.52	4.16	5.79	7.42	9.06	10.69	12.33	13.96	15.59
78	2.79	4.60	6.40	8.21	10.02	11.82	13.63	15.44	17.24
84	3.06	5.03	7.01	8.99	10.97	12.95	14.93	16.91	18.89
90	3.32	5.47	7.63	9.78	11.93	14.08	16.24	18.39	20.54
96	3.59	5.91	8.24	10.56	12.89	15.21	17.54	19.87	22.19



The Airolite Company, LLC certifies that Louver Type 6766 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)

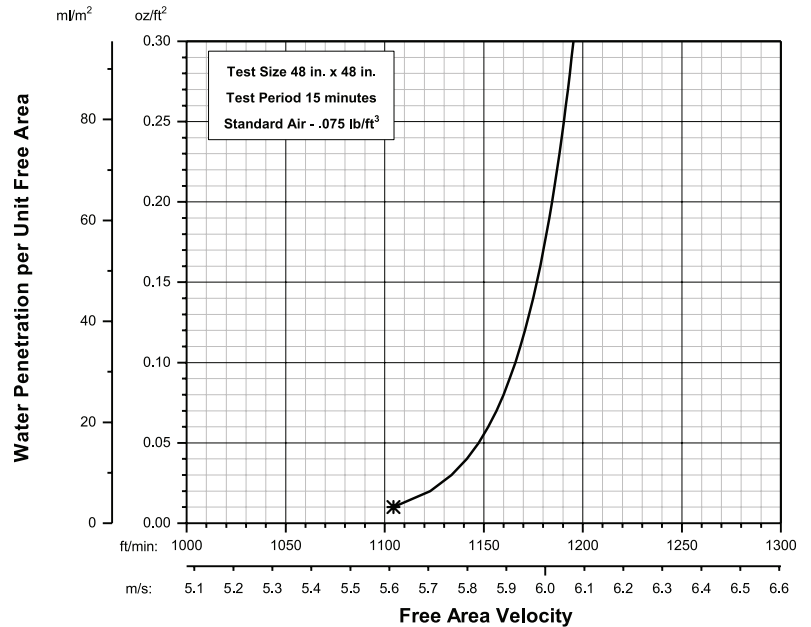


Free Air Velocity

Louver Type 6766 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. (Test Figure 5.5)

WATER PENETRATION

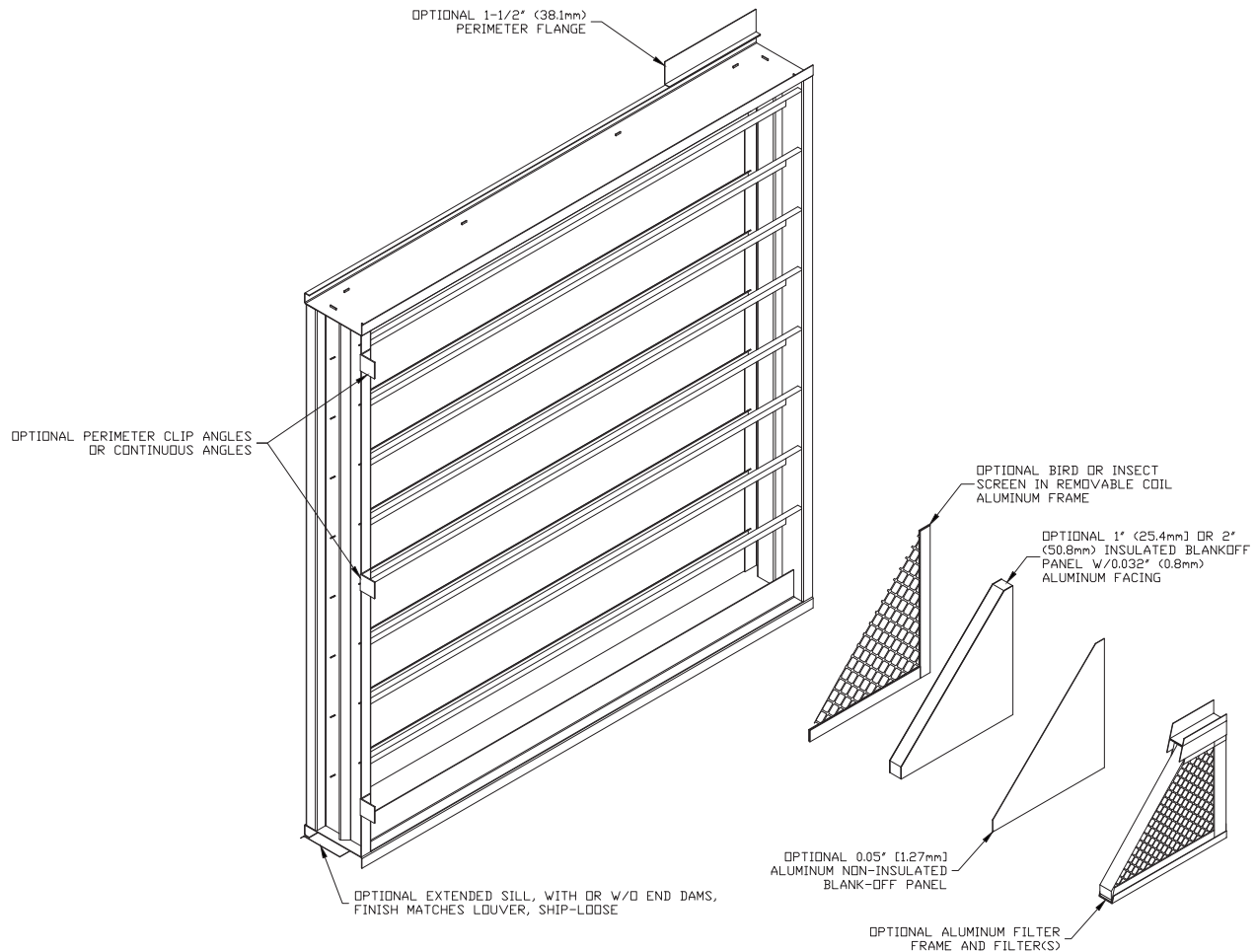
(Standard Air - .075 lb./ft.³)



Free Area Velocity

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 6766 is 1,104 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 6766 METHOD OF INSTALLATION & ACCESSORY OPTIONS



FINISHES Stainless Steel Type 316 Finish: #4 Polish



P.O. Box 410, 525 Western Road, Schofield, WI 54476-0410 USA
715.841.8757 • fax 715.841.8773 • www.airolite.com

Submission 6766 April 2022
Copyright ©2022 The Airlite Company, LLC

The Airlite Company, LLC reserves the right to make product changes.