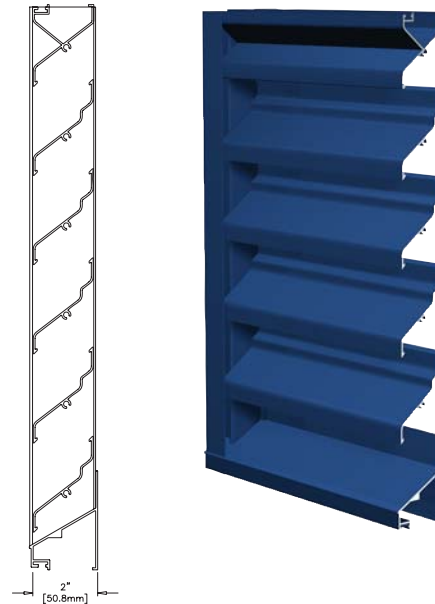




EXTRUDED ALUMINUM NARROW PROFILE LOUVER

Visible Mullion Louver Type	T6482
Continuous Blade Louver Type	CB6482
Material	Extruded Aluminum (Alloy 6063-T5)
Stationary Blade	0.063 in. (1.6 mm)
Frame	0.063 in. (1.6 mm)
Louver Depth	2 in. (50.8 mm)
Blade Angle	37°
Free Area – 4 ft. x 4 ft. Unit	6.01 sq. ft. (0.56 sq m)
Percent Free Area	37.6%
Free Area Velocity at Beginning Point of Water Penetration – 0.01 oz H₂O/sq. ft. Free Area	668 fpm (3.39 m/s)
Air Volume Flow Rate at Beginning Point of Water Penetration – 4 ft. x 4 ft. Unit	4,014 cfm (1.89 m ³ /s)
Pressure Drop at Beginning Point of Water Penetration	0.06 in. H ₂ O (0.015 kPa)



RECOMMENDED SPECIFICATION

GENERAL

Furnish and install where indicated on plans or described in schedules Louver Type T6482 (or CB6482) as designed and manufactured by The Aiolite Company LLC, Marietta, Ohio. 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 and air performance ratings shall be determined in accordance with AMCA Standard 500-L 99 and Licensed the AMCA Certified Ratings Program.

PRODUCTS

Louvers shall be architectural blade Louver Type T6482 with visible vertical mullions (or Louver Type CB6482 with concealed vertical mullions). Louvers shall be 2-inches (50.8 mm) deep and assembled entirely from extruded aluminum components. Blades and frames shall be 0.063-inch (1.6 mm) thick extruded aluminum, alloy 6063-T5. Blades shall be stationary, horizontal and spaced 3-inches (76.2 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 (100 mph). Louvers larger than 84-inches wide x 120-inches high or 120-inches wide x 84-inches high will be fabricated and installed in multiple sections, but limited to one section high. Louver blades, frames, mullions and anchorages shall be demonstrated to withstand the specified wind design load.

PERFORMANCE RATINGS

FREE AREA:	6.01 Square Feet (0.56 m ²)
MINIMUM FREE AREA VELOCITY at Beginning Point of Water Penetration:	668 fpm (3.39 m/s)
MINIMUM AIR VOLUME FLOW RATE at Beginning Point of Water Penetration:	4,014 cfm (1.89 m ³ /s)
PRESSURE DROP at Beginning Point of Water Penetration:	0.06 in. H ₂ O (0.015 kPa)

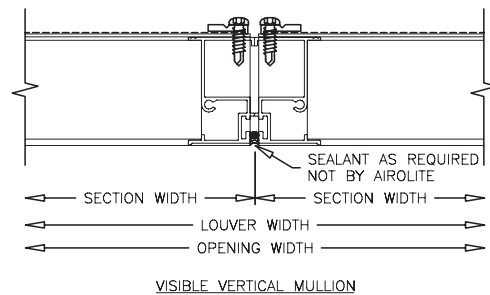
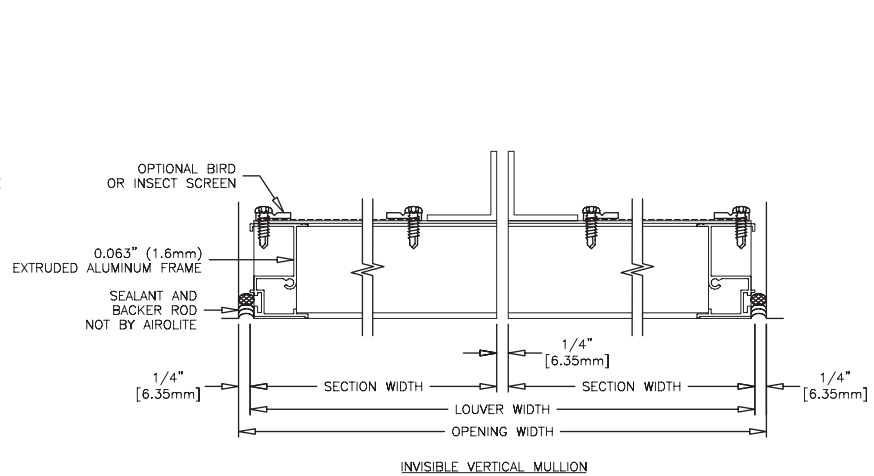
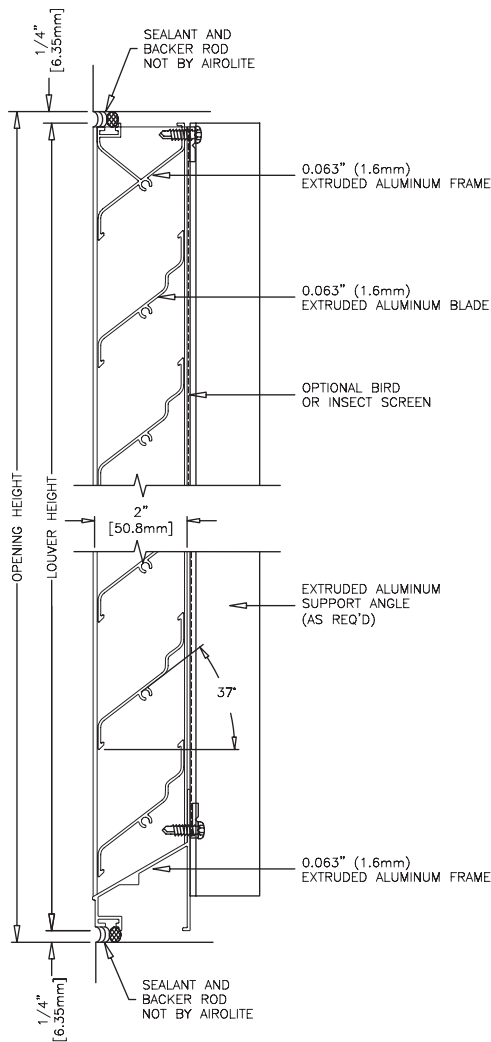
See page 4 for complete finish options

LOUVER TYPE T6482 PRODUCT DESCRIPTION & DETAILS

AIROLITE LOUVER TYPE T6482 is a versatile, horizontal blade, 2-inch (50.8 mm) deep architectural louver suitable for applications with narrow or short openings that require greater free area than a four or six-inch deep louver can provide and weather protection is not a concern. Louver Type T6482 is available with both visible and concealed vertical mullions to complement and enhance exterior façade elements. Specify Louver Type T6482 with visible vertical mullions; and, Louver Type CB6482 with concealed vertical mullions. Please contact your local Airlite representative or the factory for assistance with the layout and design of support systems when required.

VERTICAL SECTION DETAIL

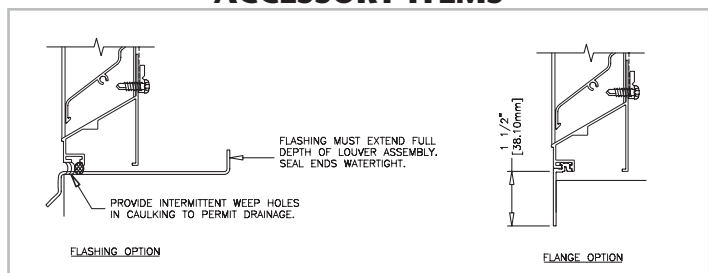
PLAN SECTION DETAIL



Minimum Section Size:
6 in. (15 cm) W x 6 in. (15 cm) H

Maximum Section Size:
120 in. (305 cm) W x 84 in. (213 cm) H
84 in. (213 cm) W x 120 in. (305 cm) H


ACCESSORY ITEMS



LOUVER TYPE T6482 PERFORMANCE RATINGS

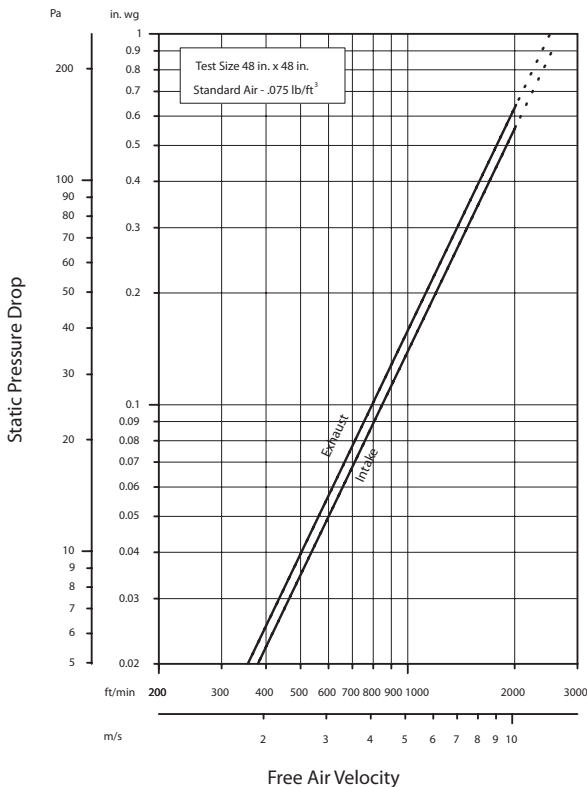
FREE AREA CHART - in square feet

Louver Height Inches	Louver Width in Inches													
	6	12	24	30	42	48	60	66	78	84	96	102	114	120
6	0.01	0.02	0.05	0.06	0.09	0.10	0.13	0.14	0.17	0.18	0.20	0.22	0.24	0.26
12	0.08	0.23	0.53	0.67	0.97	1.12	1.42	1.57	1.86	2.01	2.31	2.46	2.75	2.90
24	0.20	0.58	1.32	1.70	2.45	2.82	3.57	3.94	4.69	5.06	5.81	6.18	6.93	7.30
30	0.26	0.74	1.70	2.18	3.14	3.62	4.58	5.06	6.02	6.50	7.46	7.94	8.89	9.37
42	0.34	0.98	2.26	2.89	4.17	4.80	6.08	6.71	7.99	8.62	9.90	10.54	11.81	12.45
48	0.43	1.23	2.82	3.62	5.21	6.01	7.60	8.40	9.99	10.79	12.38	13.18	14.77	15.57
60	0.55	1.56	3.58	4.59	6.61	7.62	9.64	10.65	12.67	13.68	15.70	16.72	18.74	19.75
66	0.61	1.73	3.97	5.09	7.33	8.45	10.69	11.81	14.05	15.17	17.42	18.54	20.78	21.90
78	0.71	2.03	4.67	5.99	8.63	9.94	12.58	13.90	16.54	17.85	20.49	21.81	24.45	25.77
84	0.78	2.21	5.08	6.51	9.38	10.82	13.68	15.12	17.99	19.42	22.29	23.72	26.59	28.03
96	0.89	2.54	5.84	7.49	10.79	12.44	15.74	17.39	20.69	22.34	25.64	27.29	30.59	32.24
102	0.95	2.72	6.24	8.00	11.53	13.29	16.82	18.58	22.10	23.87	27.39	29.15	32.68	34.44
114	1.07	3.03	6.96	8.93	12.86	14.83	18.76	20.73	24.66	26.63	30.56	32.53	36.46	38.43
120	1.11	3.16	7.25	9.30	13.39	15.44	19.54	21.58	25.68	27.73	31.82	33.87	37.96	40.01



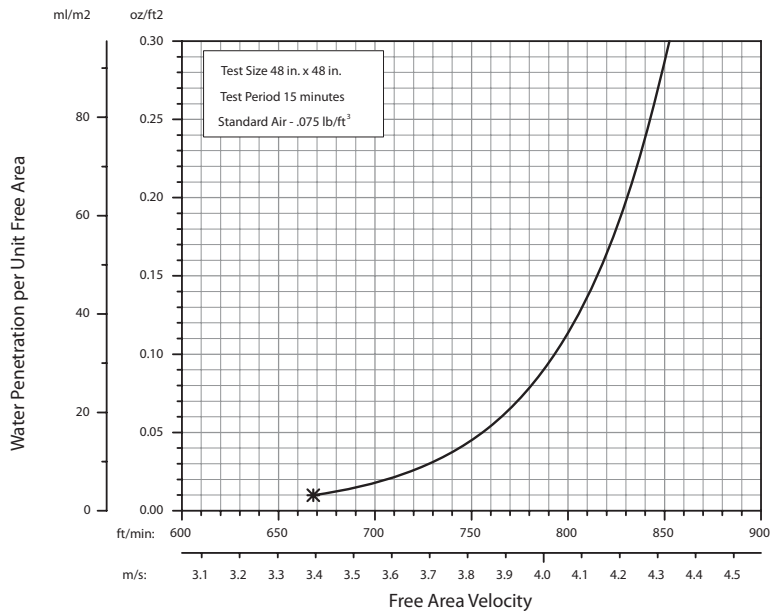
The Aiolite Company, LLC certifies that Louver Type T6482 shown herein is licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies only to Air Performance and Water Penetration ratings.

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



Louver Type T6482 resistance to airflow (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.

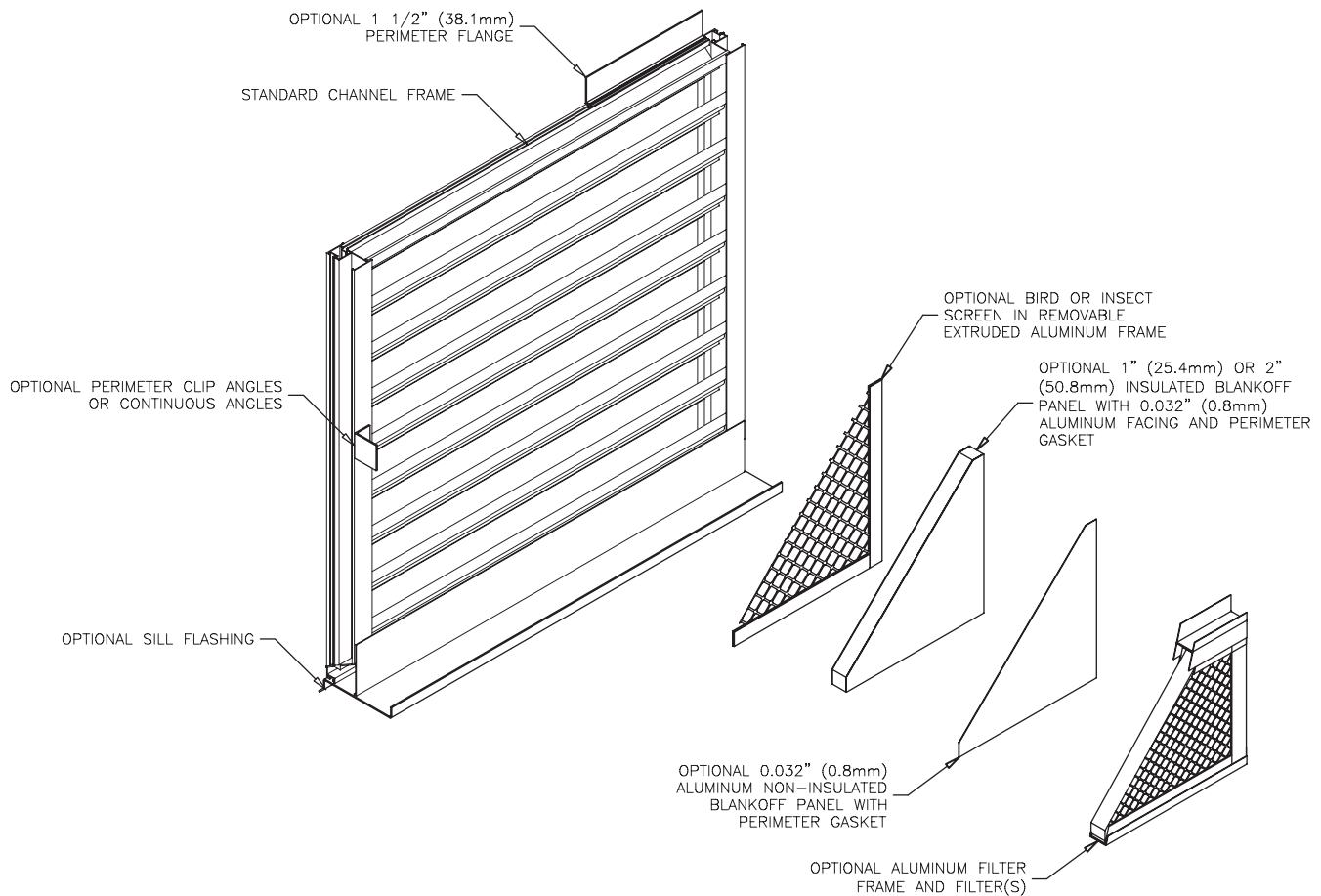
WATER PENETRATION (Standard Air - .075 lb./ft.³)



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 T6482 is 668 fpm free area velocity.** These performance ratings do not guarantee a louver to be weather-proof or stormproof and should be used in combination with other factors including good engineering judgement in selecting louvers.

LOUVER TYPE T6482

METHOD OF INSTALLATION & ACCESSORY OPTIONS



FINISHES (Select one of the following)

ACRYLIC ENAMEL: Louvers shall be cleaned, pretreated and FINISHED-AFTER-ASSEMBLY 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-AFTER-ASSEMBLY 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-AFTER-ASSEMBLY 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-AFTER-ASSEMBLY 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-AFTER-ASSEMBLY 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.



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