



Architectural Louvers



AIROLITE
The look that works.™

Fulfilling vision. Getting it right.

Reputation

Since our inception 95 years ago, Airolite has been an industry benchmark, demonstrating best in class of product design, performance and reliability. First associated with the design and manufacture of practical metal louver door panels, the Airolite brand has flourished into a premier portfolio of exterior architectural products. Today, the Airolite brand proudly represents the highest quality and most attractive architectural louvers, grilles, louver screens and sun controls.

Quality Products

At Airolite, we enjoy an industry leading status. With an abundance of louver types offered in numerous categories, Airolite can deliver the best louvers for your project while achieving the desired balance, expertly linking, form and function. From Acoustic to Sightproof and Combination to Storm Class™ louvers, Airolite has “The look that works.”

Design and Engineering

All Airolite products are crafted to your design and performance requirements, whether based on existing designs or new product development, our modern testing facilities position us as an industry leader in developing products that outrival in their performance. In all categories, Airolite leads the way, attending to the ever-changing code requirements. Bottom line: you get “The look that works.”

Manufacturing

Wind-loads, dynamic vibration stresses and galvanic corrosion are all critical factors in the specification, fabrication and assembly of products. Airolite's manufacturing processes ensures product integrity even in the harshest environments. Finish coatings, available in limitless color possibilities, are applied after the product is assembled at one of our three manufacturing facilities in Schofield, WI; Frankfort, KY; and Sacramento, CA.

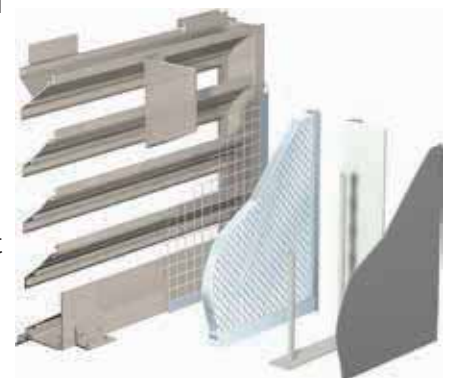


Project Management

Inevitably, dreams meet schedules. Ideas meet deadlines. Airolite's project management and customer service teams are experts whom balance the vision with the realities of your project. Customer-driven, we focus on customer retention and strive to achieve enduring relationships.

Options and Accessories

Distinctive products and unique applications of our products drive our attention to the accessories and options that enhance functionality and ensure easy installation. At Airolite, we offer numerous options and accessories, and can accommodate special requirements your project may demand.



LEED

Airolite stands with its parent company, as a member of the United States Green Building Council (USGBC). As a manufacturer, our organization is focused on principles of sustainability. We endeavor to continually utilize and manage our natural resources responsibly, conserve energy in all we do and minimize material waste in our manufacturing processes. We are devoted to assisting our customers in meeting both the sustainable-design project goals and LEED certification guidelines.



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University Of Colorado
Anschutz Inpatient Pavillion
Anschutz, CO
Perkins & Will

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Qwik Ship

Airolite's Qwik Ship program consists of the most complete offering of louvers anywhere. Our Qwik Ship products are further enhanced with an extensive selection of accessory items and architectural finish options.

Lead Times

Customers may select 1, 5, 10 and 20 day manufacturing cycles with mill finished louvers or 5, 10, 15 and 25 day manufacturing cycles with finished louvers.

Program Reliability

Your Qwik Ship order warrants our foremost attention as demonstrated by our stellar on-time shipment performance.

Expedited Delivery

In addition to the accelerated fabrication schedules available of the Qwik Ship program, expedited deliveries can be arranged with air or surface transportation at additional costs.

		BEST AVAILABLE MANUFACTURING LEAD TIME	
LOUVER TYPE		MILL FINISH	PAINTED FINISH
Storm Class™	SCH201, SCH401, SCH501, SCH601, SCH701, SCV201, SCV301, SCV401, SCV501, SCV602, SCV801	1 DAY	5 DAY
	SCC901	5 DAY	10 DAY
Stationary	609, 6096	3 DAY	10 DAY
	K609, K638	5 DAY	10 DAY
Drainable	K609HP, K6096HP, K638HP, K6386HP, K6744, K6746, K6844, K6846	1 DAY	5 DAY
	K6856, 6774, 6776	3 DAY	10 DAY
	K6774, K6776	5 DAY	10 DAY
Narrow Profile	AC153, AC153S, AC154, AC154S, AC155	1 DAY	10 DAY
	K6772, T6482	1 DAY	5 DAY
Sightproof	K601, K601D, K605D, KV601, T5832	1 DAY	5 DAY
	K605	5 DAY	10 DAY
Acoustic	T9106, T9108, T9112, T9208, T9612	10 DAY	15 DAY
Miami-Dade Qualified and Florida Approved	K6744X, K6746X, SCH501X, SCV602X	3 DAY	10 DAY
	K605MD, K6746MD, K6746MDE, K8206AMD, SCC901MD, SCH601MD, SCH601MDE, SCV501MD, SCV660MD	5 DAY	10 DAY
	T9106MD, T9106X	10 DAY	15 DAY
Adjustable	T645, T6636, T6784, T6786, T6796	1 DAY	5 DAY
	645, 6456, 6784, 6785, 6786	3 DAY	10 DAY
	T6784E, T6786E	10 DAY	15 DAY
Combination	K8204, K8206, K8206A, K8306, K8504, K8506, KN827, KX827	1 DAY	5 DAY
	K8204E, K8206E	10 DAY	15 DAY
Special Application	AFG501	10 DAY	15 DAY



Amgen Center
Cambridge, MA

Commitment to Laboratory Testing

Airolite constructed the first wind-driven test facility in the U.S. during 1956 and has been a frontrunner in the development of louver performance ratings standards and empirical test procedures since. Our historical position in testing expertise is evidenced by the superior performance ratings of Airolite products.

In-House Testing

Airolite's in-house testing capabilities are second to none, including complete water penetration and wind-driven rain test chambers. Our comprehensive testing laboratory is devoted exclusively to the development and testing of louver products to the latest versions of AMCA, Miami-Dade County and other industry standards.



In-House Testing
Missile Test
Schofield, WI

Comparisons

The selection and specification of products on the basis of performance ratings is zealously recommended. However, care must be utilized to ensure that:

- All test data is accurate
- Testing is completed to the most current testing standards
- Certified by recognized and independent third-party test laboratories



In-House Testing
Water Chamber
Schofield, WI



The Airolite Company, LLC certifies that Louver Types K605MD, K6746MD, K6746MDE, K6744X, K6746X, K8206AMD, K609, K6096, K609HP, K6096HP, K638, K6386, K638HP, K6383HP, K6744, K6746, K6774, K6776, K6844, K6846, K6856, K601, K601D, K605, K605D, T5832, T645, T6636, T6784, T6786, T6796, K8204, K8206, K8206A, K8306, K8504, K8506, T6482, K6772, 609, 6096, 6774, 6776, 645, 6456, 6784, 6785, 6786 and AFG501 are 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 to water penetration and air performance.



The Airolite Company, LLC certifies that Louver Types SCC901, SCH201, SCH401, SCH501, SCH601, SCH7, SCH701, SCH8, SCV201, SCV301, SCV401, SCV501, SCV602, SCV801, SCV6, SCC901MD, SCH601MD, SCH601MDE, SCH501X, SCV602X, SCV501MD and SCV660MD are 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 to water penetration, air performance and wind-driven rain.



The Airolite Company, LLC certifies that Louver Type T6636 and ASL401 are 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 to air performance.



The Airolite Company, LLC certifies that Louver Types T9016MD, T9106X, T9106, T9108, T9112, T9208 and T9612 are 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 to water penetration, sound and air performance.



John Hopkins Medical Campus

The new clinical building consists of two towers, each 12 stories high, that join together at the eighth floor. In total, over 21,000 square feet of Airlite louvers were installed. Most of the louvers form a continuous sweeping span around the sixth floor. The sixth floor louver wall periodically rises up into the seventh floor and gently draws one's attention skyward towards the eighth floor, where the twin towers join. Airlite's Louver Types: SCH7, CB609, K609 and CB638HP were selected based upon their exceptional performance and aesthetic attributes. Each was finished with a custom color match Kynar® base pearlescent pewter coating, coordinating with a variety of other aluminum materials being used for this project. The sleek, clean lines of the louver walls with concealed vertical mullions complement the building's impressive modern look. Six to seven inch louver blade depths add further interest to the building's exterior design.



John Hopkins Medical Campus
Perkins & Will, Chicago IL
Baltimore MD

Guildford Town Centre

The original design for the front entrance called for the installation of curved architectural louvers to create a contemporary and majestic statement for the popular shopping center. However, curved louvers proved to be too costly. Aiolite engineers were able to create the spectacular curved appearance with 88 sections of straight segmented Aiolite K609 louvers installed on the building's curved exterior surface. A clear anodized finish was selected to emphasize the natural silver beauty of the aluminum. As light changes during the day and night, it reflects off the aluminum façade and greets passersby with a compelling invitation to step inside and enjoy a delightful shopping experience in this charming community.



The Ashton
HKS, Inc., Dallas TX
Austin TX

Louver Selection Guide

Airolite's vast product offering includes numerous louver types, including drainable, stationary, adjustable, combination and sightproof blades. For a complete product listing, along with downloadable submittal documents and AutoCAD® files, visit www.airolite.com.

Louver Type	Louver Depth	Free Area 4' x 4' Unit	Percent Free Area	Beginning Point of Water Penetration	Air Volume Flow Rate	Effectiveness Rating
Storm Class™						
SCC725	7.25" (184.2 mm)	5.82 ft² (0.54 m²)	36%	1,250 fpm (6.35 m/s)	7,275 cfm (3.43 m³/s)	99.7%
SCC735	7.375" (187.3 mm)	8.96 ft² (0.83 m²)	56%	1,250 fpm (6.35 m/s)	11,200 cfm (5.29 m³/s)	99.9%
SCC875	8.75" (222.3 mm)	8.96 ft² (0.83 m²)	56%	1,250 fpm (6.35 m/s)	11,200 cfm (5.29 m³/s)	100.0%
SCC901	9.25" (235.0 mm)	8.66 ft² (0.80 m²)	54%	974 fpm (4.95 m/s)	8,435 cfm (3.98 m³/s)	99.2%
SCH201	2" (50.8 mm)	6.22 ft² (0.58 m²)	39%	1,250 fpm (6.35 m/s)	7,775 cfm (3.67 m³/s)	99.4%
SCH401	4" (101.6 mm)	6.76 ft² (0.63 m²)	42%	1,250 fpm (6.35 m/s)	8,450 cfm (3.99 m³/s)	98.2%
SCH501	5" (127.0 mm)	6.80 ft² (0.63 m²)	43%	1,250 fpm (6.35 m/s)	8,500 cfm (4.01 m³/s)	99.2%
SCH601	6" (152.4 mm)	7.58 ft² (0.70 m²)	47%	1,250 fpm (6.35 m/s)	9,475 cfm (4.47 m³/s)	99.2%
SCH7	7" (177.8 mm)	8.44 ft² (0.78 m²)	53%	948 fpm (4.82 m/s)	8,001 cfm (3.78 m³/s)	99.6%
SCH701	7" (177.8 mm)	7.17 ft² (0.65 m²)	45%	1,250 fpm (6.35 m/s)	8,736 cfm (4.12 m³/s)	100.0%
SCH8	8" (203.2 mm)	7.58 ft² (0.71 m²)	47%	1,250 fpm (6.35 m/s)	9,479 cfm (4.47 m³/s)	99.8%
SCV201	2" (50.8 mm)	5.71 ft² (0.53 m²)	36%	1,250 fpm (6.35 m/s)	7,137 cfm (3.37 m³/s)	99.7%
SCV301	3" (76.2 mm)	8.40 ft² (0.78 m²)	53%	1,250 fpm (6.35 m/s)	10,500 cfm (4.96 m³/s)	99.8%
SCV401	4" (101.6 mm)	6.38 ft² (0.60 m²)	40%	1,250 fpm (6.35 m/s)	7,975 cfm (3.63 m³/s)	99.9%
SCV501	5" (127.0 mm)	8.71 ft² (0.81 m²)	54%	1,250 fpm (6.35 m/s)	10,888 cfm (5.139 m³/s)	99.3%
SCV6	5.375" (136.5 mm)	8.62 ft² (0.80 m²)	54%	1,250 fpm (6.35 m/s)	10,775 cfm (5.09 m³/s)	100.0%
SCV602	6" (152.4 mm)	5.88 ft² (0.55 m²)	37%	1,250 fpm (6.35 m/s)	7,525 cfm (3.55 m³/s)	100.0%
SCV801	8" (203.2 mm)	5.19 ft² (0.48 m²)	32%	1,250 fpm (6.35 m/s)	6,488 cfm (3.06 m³/s)	100.0%

Miami-Dade Approved						
K605MD	5" (127.0 mm)	8.19 ft² (0.76 m²)	51%	1,036 fpm (5.26 m/s)	8,657 cfm (4.09 m³/s)	-
K6746MD, K6746MDE	6" (152.4 mm)	9.41 ft² (0.88 m²)	59%	1,250 fpm (6.35 m/s)	11,763 cfm (5.55 m³/s)	-
K8206AMD	6.125" (155.6 mm)	7.27 ft² (0.68 m²)	45%	1,125 fpm (5.72 m/s)	8,179 cfm (3.86 m³/s)	-
SCC901MD	9.25" (235.0 mm)	8.66 ft² (0.80 m²)	54%	974 fpm (4.95 m/s)	8,735 cfm (3.98 m³/s)	99.2%
SCH601MD, SCH601MDE	6" (152.4 mm)	7.18 ft² (0.67 m²)	45%	1,250 fpm (6.35 m/s)	8,975 cfm (4.24 m³/s)	99.2%
SCV501MD	5" (127.0 mm)	8.77 ft² (0.81 m²)	55%	1,250 fpm (6.35 m/s)	10,963 cfm (5.17 m³/s)	99.9%
SCV660MD	6.35" (161.3 mm)	7.29 ft² (0.68 m²)	46%	1,250 fpm (6.35 m/s)	9,112 cfm (4.30 m³/s)	100.0%

Florida Building Code Approved						
K6744X	4" (101.6 mm)	8.98 ft² (0.84 m²)	56%	1,151 fpm (5.85 m/s)	8,822 cfm (4.16 m³/s)	-
K6746X	6" (152.4 mm)	9.41 ft² (0.88 m²)	59%	1,077 fpm (5.47 m/s)	10,135 cfm (4.78 m³/s)	-
SCH501X	5" (127.0 mm)	6.80 ft² (0.63 m²)	43%	1,250 fpm (6.35 m/s)	9,337 cfm (4.41 m³/s)	99.2%
SCV602X	6" (152.4 mm)	5.88 ft² (0.55 m²)	37%	1,250 fpm (6.35 m/s)	7,350 cfm (3.47 m³/s)	100.0%
T9106X	6" (152.4 mm)	4.89 ft² (0.45 m²)	31%	779 fpm (4.06 m/s)	3,907 cfm (1.84 m³/s)	-

Extruded Stationary						
K609	4" (101.6 mm)	7.91 ft² (0.74 m²)	49%	562 fpm (2.86 m/s)	4,446 cfm (2.10 m³/s)	-
K6096	6" (152.4 mm)	8.35 ft² (0.78 m²)	52%	817 fpm (4.15 m/s)	6,396 cfm (3.02 m³/s)	-
K638	4" (101.6 mm)	7.86 ft² (0.73 m²)	49%	548 fpm (2.78 m/s)	4,307 cfm (2.03 m³/s)	-
K6386	6" (152.4 mm)	8.02 ft² (0.74 m²)	50%	753 fpm (3.83 m/s)	6,039 cfm (2.83 m³/s)	-
K666	4" (101.6 mm)	8.52 ft² (0.80 m²)	53%	760 fpm (3.85 m/s)	6,475 cfm (3.04 m³/s)	-

Extruded High Performance						
K609HP	4" (101.6 mm)	8.32 ft² (0.73 m²)	52%	963 fpm (4.89 m/s)	8,012 cfm (3.77 m³/s)	-
K6096HP	6" (152.4 mm)	8.69 ft² (0.81 m²)	54%	998 fpm (5.07 m/s)	8,673 cfm (4.11 m³/s)	-
K638HP	4" (101.6 mm)	8.49 ft² (0.79 m²)	53%	934 fpm (4.74 m/s)	7,930 cfm (3.75 m³/s)	-
K6386HP	6" (152.4 mm)	8.35 ft² (0.78 m²)	52%	1,097 fpm (5.57 m/s)	9,160 cfm (4.35 m³/s)	-

Extruded Drainable						
K6744	4" (101.6 mm)	8.92 ft² (0.83 m²)	56%	989 fpm (5.02 m/s)	8,822 cfm (4.16 m³/s)	-
K6746	6" (152.4 mm)	9.41 ft² (0.88 m²)	59%	1,077 fpm (5.47 m/s)	10,135 cfm (4.78 m³/s)	-
K6774	4" (101.6 mm)	8.35 ft² (0.78 m²)	52%	961 fpm (4.88 m/s)	8,024 cfm (3.81 m³/s)	-
K6776	6" (152.4 mm)	8.56 ft² (0.80 m²)	54%	1,250 fpm (6.35 m/s)	10,700 cfm (5.06 m³/s)	-
K6844	4" (101.6 mm)	8.22 ft² (0.76 m²)	51%	992 fpm (5.04 m/s)	9,140 cfm (4.29 m³/s)	-
K6846	6" (152.4 mm)	8.58 ft² (0.80 m²)	54%	1,201 fpm (6.10 m/s)	10,305 cfm (4.88 m³/s)	-
K6856	6" (152.4 mm)	7.91 ft² (0.74 m²)	49%	1,065 fpm (5.41 m/s)	8,424 cfm (3.95 m³/s)	-

Louver Type	Louver Depth	Free Area 4' x 4' Unit	Percent Free Area	Beginning Point of Water Penetration	Air Volume Flow Rate	Effectiveness Rating
Acoustic						
T9106/9106	6" (152.4 mm)	4.89 ft ² (0.45 m ²)	31%	799 fpm (4.06 m/s)	3,907 cfm (1.84 m ³ /s)	-
T9108/9108	8" (203.2 mm)	4.28 ft ² (0.40 m ²)	27%	887 fpm (4.51 m/s)	3,798 cfm (1.79 m ³ /s)	-
T9112/9112	12" (304.8 mm)	3.39 ft ² (0.32 m ²)	21%	1,108 fpm (5.63 m/s)	3,757 cfm (1.77 m ³ /s)	-
T9206/9206	6" (152.4 mm)	4.06 ft ² (0.38 m ²)	25%	943 fpm (4.79 m/s)	3,828 cfm (1.81 m ³ /s)	-
T9208/9208	8" (203.2 mm)	5.21 ft ² (0.48 m ²)	33%	879 fpm (4.47 m/s)	4,520 cfm (2.13 m ³ /s)	-
T9212/9212	12" (304.8 mm)	4.29 ft ² (0.40 m ²)	27%	753 fpm (3.83 m/s)	3,229 cfm (1.52 m ³ /s)	-
T9612/9612	12" (304.8 mm)	4.27 ft ² (0.40 m ²)	27%	830 fpm (4.22 m/s)	3,544 cfm (1.67 m ³ /s)	-

Extruded Sightproof						
K601	4" (101.6 mm)	5.16 ft ² (0.48 m ²)	32%	765 fpm (3.89 m/s)	3,827 cfm (1.81 m ³ /s)	-
K601D	4" (101.6 mm)	5.16 ft ² (0.48 m ²)	32%	747 fpm (3.79 m/s)	3,855 cfm (1.82 m ³ /s)	-
K605	5" (127.0 mm)	8.19 ft ² (0.76 m ²)	51%	1,036 fpm (5.26 m/s)	8,485 cfm (4.00 m ³ /s)	-
K605D	5" (127.0 mm)	9.11 ft ² (0.85 m ²)	57%	1,134 fpm (5.76 m/s)	10,331 cfm (4.90 m ³ /s)	-
KV601	4" (101.6 mm)	5.33 ft ² (0.50 m ²)	33%	not rated	not rated	-
TS832	2" (50.8 mm)	3.75 ft ² (0.35 m ²)	23%	516 fpm (2.62 m/s)	1,935 cfm (0.91 m ³ /s)	-

Narrow Profile						
AC153	1.406" (35.7 mm)	11.10 ft ² (1.03 m ²)	69%	not rated	not rated	-
AC153S	1.132" (28.8 mm)	11.67 ft ² (1.08 m ²)	73%	not rated	not rated	-
AC154	1.406" (35.7 mm)	8.34 ft ² (0.77 m ²)	52%	not rated	not rated	-
AC154S	1.125" (27.1 mm)	8.80 ft ² (0.82 m ²)	55%	not rated	not rated	-
AC155	1.406" (35.7 mm)	7.35 ft ² (0.68 m ²)	46%	not rated	not rated	-
K6772	2" (50.8 mm)	8.67 ft ² (0.81 m ²)	54%	973 fpm (4.94 m/s)	8,433 cfm (3.98 m ³ /s)	-
T6482	2" (50.8 mm)	6.01 ft ² (0.56 m ²)	38%	668 fpm (3.39 m/s)	4,014 cfm (1.89 m ³ /s)	-

Fabricated Stationary						
609	4" (101.6 mm)	7.55 ft ² (0.70 m ²)	47%	839 fpm (4.25 m/s)	6,334 cfm (2.98 m ³ /s)	-
6096	6" (152.4 mm)	7.57 ft ² (0.70 m ²)	47%	896 fpm (4.55 m/s)	6,783 cfm (3.20 m ³ /s)	-
6774	4" (101.6 mm)	7.03 ft ² (0.65 m ²)	44%	1,056 fpm (5.36 m/s)	8,788 cfm (4.14 m ³ /s)	-
6776	6" (152.4 mm)	8.15 ft ² (0.76 m ²)	51%	948 fpm (4.81 m/s)	7,726 cfm (3.65 m ³ /s)	-

Extruded Adjustable						
T645	4" (101.6 mm)	6.48 ft ² (0.60 m ²)	41%	1,023 fpm (5.20 m/s)	6,629 cfm (3.13 m ³ /s)	-
T6636	6" (152.4 mm)	6.32 ft ² (0.59 m ²)	40%	1,069 fpm (5.43 m/s)	6,756 cfm (3.19 m ³ /s)	-
T6784	4" (101.6 mm)	6.54 ft ² (0.61 m ²)	41%	920 fpm (4.67 m/s)	6,016 cfm (2.86 m ³ /s)	-
T6784E	4" (101.6 mm)	5.23 ft ² (0.49 m ²)	33%	920 fpm (4.67 m/s)	5,372 cfm (2.52 m ³ /s)	-
T6786	6" (152.4 mm)	7.34 ft ² (0.69 m ²)	46%	1,007 fpm (5.12 m/s)	7,391 cfm (3.57 m ³ /s)	-
T6786E	6" (152.4 mm)	6.44 ft ² (0.60 m ²)	40%	1,007 fpm (5.12 m/s)	6,485 cfm (3.06 m ³ /s)	-
T6796	6" (152.4 mm)	8.73 ft ² (0.81 m ²)	55%	1,107 fpm (5.62 m/s)	9,664 cfm (4.6 m ³ /s)	-

Extruded Combination						
K8204	4" (101.6 mm)	6.34 ft ² (0.59 m ²)	40%	1,192 fpm (6.06 m/s)	7,557 cfm (3.59 m ³ /s)	-
K8204E	4" (101.6 mm)	5.41 ft ² (0.50 m ²)	34%	1,192 fpm (6.06 m/s)	6,663 cfm (3.15 m ³ /s)	-
K8206	6" (152.4 mm)	7.41 ft ² (0.69 m ²)	46%	1,020 fpm (5.16 m/s)	7,558 cfm (3.56 m ³ /s)	-
K8206A	6" (152.4 mm)	7.68 ft ² (0.71 m ²)	48%	1,221 fpm (6.20 m/s)	9,377 cfm (4.40 m ³ /s)	-
K8206E	6" (152.4 mm)	6.20 ft ² (0.58 m ²)	39%	1,020 fpm (5.16 m/s)	6,324 cfm (2.98 m ³ /s)	-
K8306	6" (152.4 mm)	7.18 ft ² (0.67 m ²)	46%	1,193 fpm (6.06 m/s)	7,385 cfm (3.53 m ³ /s)	-
K8504	4" (101.6 mm)	7.60 ft ² (0.71 m ²)	46%	1,018 fpm (5.10 m/s)	6,118 cfm (2.89 m ³ /s)	-
K8506	6" (152.4 mm)	7.32 ft ² (0.68 m ²)	46%	1,035 fpm (5.26 m/s)	7,576 cfm (3.58 m ³ /s)	-
KN827	4" (101.6 mm)	6.39 ft ² (0.59 m ²)	40%	not rated	not rated	-
KX827	4" (101.6 mm)	6.39 ft ² (0.59 m ²)	40%	not rated	not rated	-

Fabricated Adjustable						
645	4" (101.6 mm)	5.93 ft ² (0.55 m ²)	37%	691 fpm (3.51 m/s)	4,098 cfm (1.93 m ³ /s)	-
6456	6" (152.4 mm)	6.23 ft ² (0.58 m ²)	39%	717 fpm (3.64 m/s)	4,467 cfm (2.11 m ³ /s)	-
6784	4" (101.6 mm)	5.98 ft ² (0.56 m ²)	37%	1,086 fpm (5.57 m/s)	6,494 cfm (3.07 m ³ /s)	-
6785	6" (152.4 mm)	7.11 ft ² (0.66 m ²)	44%	980 fpm (4.98 m/s)	6,968 cfm (3.29 m ³ /s)	-
6786	6" (152.4 mm)	8.77 ft ² (0.82 m ²)	55%	959 fpm (4.87 m/s)	8,410 cfm (3.97 m ³ /s)	-



Severe Duty Louvers

Storm Class™ Louvers

- Horizontal Blade
- Vertical Blade
- Dual Module

Miami-Dade County Qualified

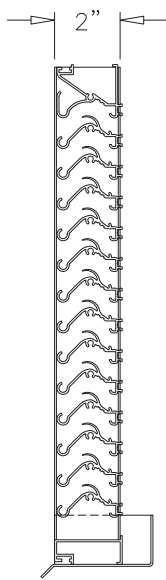
Florida Product Approved

Storm Class™ Louvers

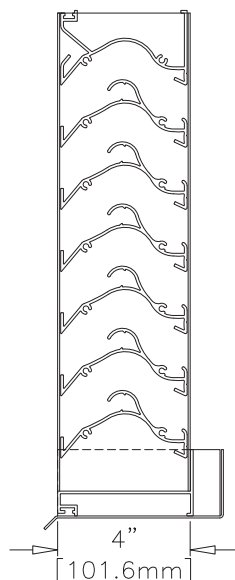
Sightproof, Horizontal Blade



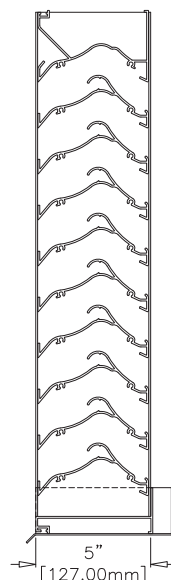
SCH501



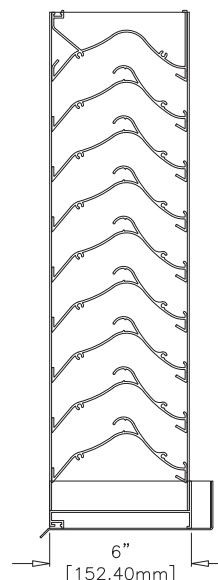
Louver Type
SCH201



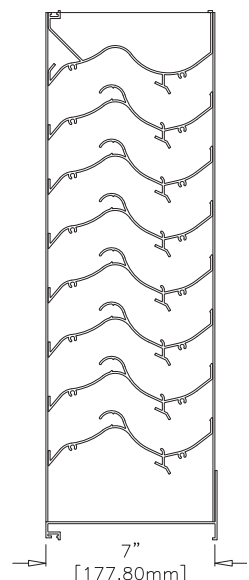
Louver Type
SCH401



Louver Type
SCH501



Louver Type
SCH601



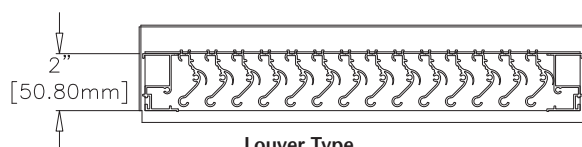
Louver Type
SCH701

Louver Type	Depth	AMCA Licensed Ratings	Blade/Frame Thickness	Free Area (4' x 4' Unit)	% Free Area	Beginning Point of Water Pen.	Air Volume Flow Rate	Pressure Drop	% Effec.	Core Ventilation
SCH201	2"	AP, WP, WDR	0.063/0.063"	6.22 ft ²	39%	1,250 fpm	7,775 cfm	0.36 in H ₂ O	99.4%	103 fpm
SCH401	4"	AP, WP, WDR	0.081/0.081"	6.76 ft ²	42%	1,250 fpm	8,450 cfm	0.29 in H ₂ O	98.2%	593 fpm
SCH501	5"	AP, WP, WDR	0.081/0.081"	6.80 ft ²	43%	1,250 fpm	8,500 cfm	0.18 in H ₂ O	99.2%	689 fpm
SCH601	6"	AP, WP, WDR	0.081/0.081"	7.58 ft ²	47%	1,250 fpm	9,475 cfm	0.32 in H ₂ O	99.2%	676 fpm
SCH701	7"	AP, WP, WDR	0.081/0.081"	7.17 ft ²	45%	1,250 fpm	8,736 cfm	0.43 in H ₂ O	100.0%	577 fpm

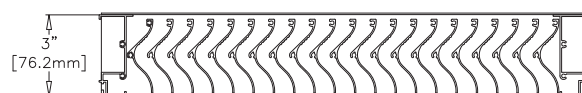
AP = Air Performance, WP = Water Penetration, WDR = Wind-Driven Rain

Storm Class™ Louvers

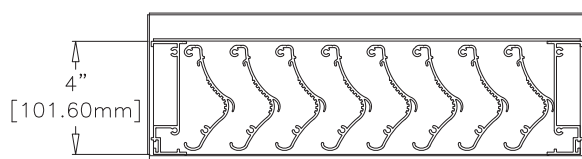
Sightproof, Vertical Blade



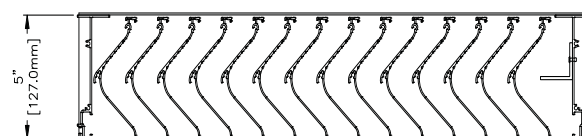
Louver Type
SCV201



Louver Type
SCV301



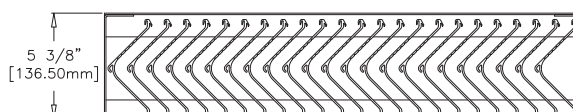
Louver Type
SCV401



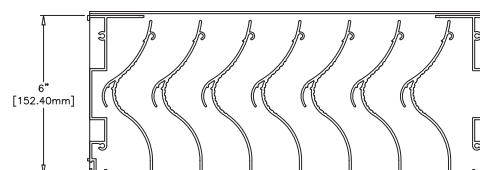
Louver Type
SCV501



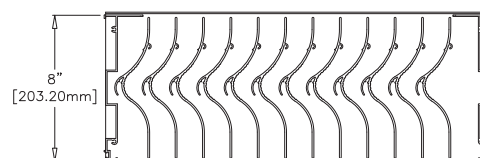
SCV301



Louver Type
SCV6



Louver Type
SCV602



Louver Type
SCV801

Louver Type	Depth	AMCA Licensed Ratings	Blade/Frame Thickness	Free Area (4' x 4' Unit)	% Free Area	Beginning Point of Water Pen.	Air Volume Flow Rate	Pressure Drop	% Effic.	Core Ventilation
SCV201	2"	AP, WP, WDR	0.063/0.063"	5.71 ft ²	36%	1,250 fpm	7,137 cfm	0.37 in H ₂ O	99.7%	873 fpm
SCV301	3"	AP, WP, WDR	0.050/0.063"	8.40 ft ²	53%	1,250 fpm	10,500 cfm	0.21 in H ₂ O	99.8%	454 fpm
SCV401	4"	AP, WP, WDR	0.081/0.081"	6.38 ft ²	40%	1,250 fpm	7,975 cfm	0.37 in H ₂ O	99.9%	365 fpm
SCV501	5"	AP, WP, WDR	0.060/0.081"	8.71 ft ²	54%	1,250 fpm	10,888 cfm	0.27 in H ₂ O	99.3%	882 fpm
SCV6	5.375"	AP, WP, WDR	0.081/0.081"	8.62 ft ²	54%	1,250 fpm	10,775 cfm	0.18 in H ₂ O	100.0%	984 fpm
SCV602	6"	AP, WP, WDR	0.081/0.081"	5.88 ft ²	37%	1,250 fpm	7,525 cfm	0.17 in H ₂ O	100.0%	984 fpm
SCV801	8"	AP, WP, WDR	0.081/0.081"	5.19 ft ²	35%	1,250 fpm	6,488 cfm	0.12 in H ₂ O	100.0%	970 fpm

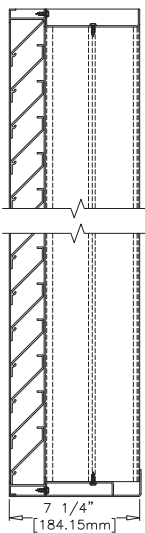
AP = Air Performance, WP = Water Penetration, WDR = Wind-Driven Rain

Storm Class™ Louvers

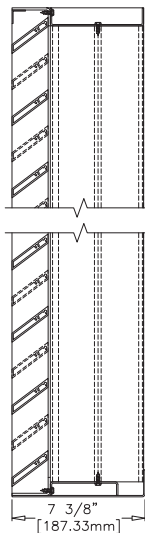
Dual Module Units



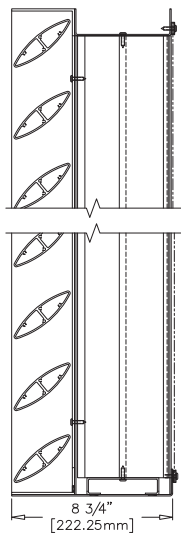
SCC901



Louver Type
SCC725



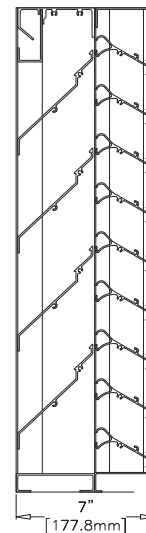
Louver Type
SCC735



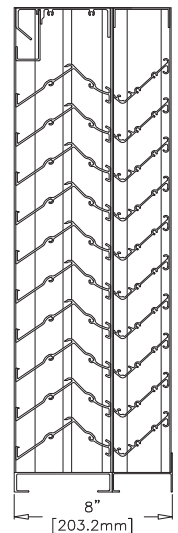
Louver Type
SCC875



Louver Type
SCC901



Louver Type
SCH7



Louver Type
SCH8

Louver Type	Depth	AMCA Licensed Ratings	Blade/Frame Thickness	Free Area (4' x 4' Unit)	% Free Area	Beginning Point of Water Pen.	Air Volume Flow Rate	Pressure Drop	% Effec.	Core Ventilation
SCC725	7.25"	NR	0.081/0.081"	5.82 ft ²	36%	1,250 fpm	7,275 cfm	0.40 in H ₂ O	99.7%	886 fpm
SCC735	7.375"	NR	0.081/0.081"	8.96 ft ²	56%	1,250 fpm	11,200 cfm	0.30 in H ₂ O	99.9%	787 fpm
SCC875	8.75"	NR	0.081/0.081"	8.96 ft ²	56%	1,250 fpm	11,200 cfm	0.26 in H ₂ O	100.0%	957 fpm
SCC901	9.25"	AP, WP, WDR	0.081/0.081"	8.66 ft ²	54%	974 fpm	8,435 cfm	0.32 in H ₂ O	99.2%	877 fpm
SCH7	7"	AP, WP, WDR	0.081/0.081"	8.44 ft ²	53%	948 fpm	8,001 cfm	0.32 in H ₂ O	99.6%	0 fpm
SCH8	8"	AP, WP, WDR	0.081/0.081"	7.58 ft ²	47%	1,250 fpm	9,479 cfm	0.50 in H ₂ O	99.8%	405 fpm

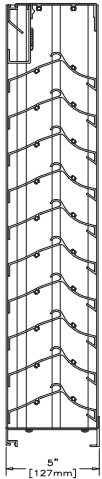
NR = Not Rated, AP = Air Performance, WP = Water Penetration, WDR = Wind-Driven Rain

Miami-Dade & Florida Building Code Approved Louvers

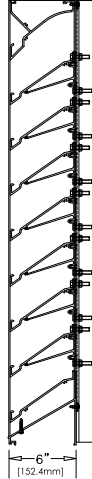
Storm Class, Drainable and Sightproof Louver Types



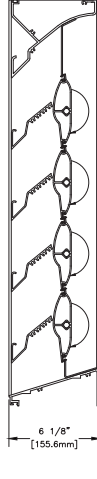
SCV501MD



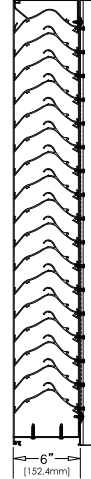
Louver Type
K605MD



Louver Type
K6746MD
K6746MDE



Louver Type
K8206AMD



Louver Type
SCH601MD
SCH601MDE



Louver Type
SCC901

Louver Type	Depth	AMCA Ratings	Blade/Frame Thickness	Free Area (4' x 4' Unit)	% Free Area	Beginning Point of Water Pen.	Air Volume Flow Rate	Pressure Drop	Max. Qualified Wind-Load	NOA/FL Approval No.
K605MD	5"	AP, WP, 540	0.081/0.081"	8.19 ft ²	51%	1,036 fpm	8,657 cfm	0.26 in H ₂ O	110 PSF	16-0201.17 FL12942.1
K6746MD ¹	6"	AP, WP, 540	0.081/0.125"	9.41 ft ²	59%	1,250 fpm	11,763 cfm	0.23 in H ₂ O	150 PSF	16-0201.11 FL10093.1
K6746MDE ¹										15-1109.05 FL19676
K8206AMD	6.125"	AP, WP, 540, 550	0.081/0.081"	7.27 ft ²	45%	1,125 fpm	8,179 cfm	0.17 in H ₂ O	150 PSF	16-1020.03 FL16743
SCH601MD ^{1,2}	6"	AP, WP, WDR, 540	0.081/0.081"	7.18 ft ²	47%	1,250 fpm	8,975 cfm	0.35 in H ₂ O	150 PSF	16-0201.12 FL10093.3
SCH601MDE ¹										15-1013.13 FL19673
SCC901MD	9.25"	AP, WP, WDR, 540, 550	0.081/0.081"	8.66 ft ²	54%	974 fpm	8,435 cfm	0.32 in H ₂ O	130 PSF	16-0607.12 FL19685

AP = Air Performance, WP = Water Penetration, WDR = Wind-Driven Rain, 540 = AMCA 540 Listed, 550 = AMCA 550 Listed

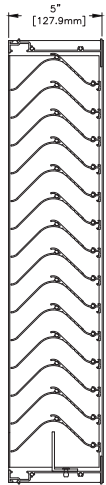
¹ Available with optional VCD-40 damper mounted on the interior of the louver. ² Complies with TAS-100(A) when damper is applied. ³ Complies with TAS-100(A).

Miami-Dade & Florida Building Code Approved Louvers

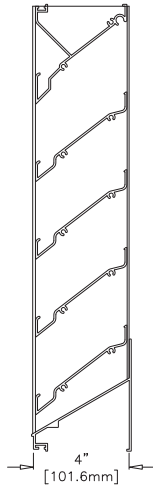
Storm Class, Drainable and Acoustic Louver Types



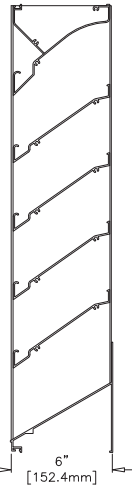
SCH501X



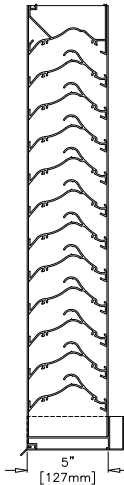
Louver Type
SCV501MD



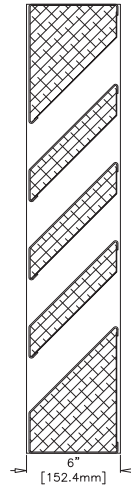
Louver Type
K6744X



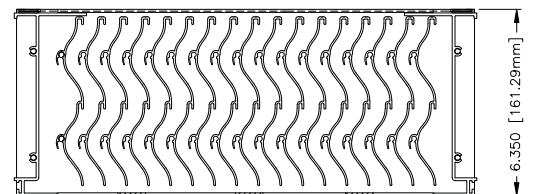
Louver Type
K6746X



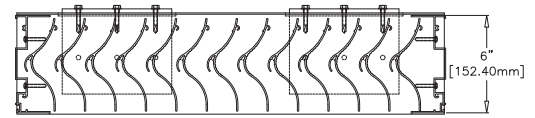
Louver Type
SCH501X



Louver Type
T9106X



Louver Type
SCV660MD



Louver Type
SCV602X

Louver Type	Depth	AMCA Ratings	Blade/Frame Thickness	Free Area (4' x 4' Unit)	% Free Area	Beginning Point of Water Pen.	Air Volume Flow Rate	Pressure Drop	Max. Qualified Wind-Load	FL Approval No.
SCV501MD	5"	AP, WP, WDR, 540, 550	0.063/0.081"	8.77 ft ²	55%	1,250 fpm	10,963 cfm	0.29 in H ₂ O	130 PSF	15-0415.6 FL19278.1
SCV660MD ^{1,3}	6.35"	AP, WP, WDR, 540, 550	0.063/0.095"	7.29 ft ²	46%	1,250 fpm	9,112 cfm	0.18 in H ₂ O	150 PSF	12-0201.16 FL16087.1
K6744X	4"	AP, WP, 540	0.081/0.081"	8.98 ft ²	56%	1,151 fpm	8,822 cfm	0.20 in H ₂ O	200 PSF	FL15720.1 FL7708.1
K6746X	6"	AP, WP, 540	0.081/0.081"	9.41 ft ²	59%	1,077 fpm	10,135 cfm	0.15 in H ₂ O	200 PSF	FL15720.2 FL7708.2
SCH501X	5"	AP, WP, WDR, 540	0.081/0.081"	6.80 ft ²	43%	1,250 fpm	9,337 cfm	0.18 in H ₂ O	200 PSF	FL15720.3 FL7708.3
SCV602X	6"	AP, WP, WDR, 540, 550	0.081/0.081"	5.88 ft ²	37%	1,250 fpm	7,350 cfm	0.12 in H ₂ O	200 PSF	FL15721.1 FL7708.4
T9106X	6"	AP, WP, S, 540	0.080/0.080"	4.89 ft ²	31%	799 fpm	3,907 cfm	0.06 in H ₂ O	200 PSF	FL15720.4 FL7708.5

AP = Air Performance, WP = Water Penetration, S = Sound, WDR = Wind-Driven Rain, 540 = AMCA 540 Listed, 550 = AMCA 550 Listed

¹ Available with optional VCD-40 damper mounted on the interior of the louver. ² Complies with TAS-100(A) when damper is applied. ³ Complies with TAS-100(A).

Building Code Descriptions

International Building Code 2006/2009

Section 1609.2 Definitions.

HURRICANE PRONE REGIONS. Areas vulnerable to hurricanes defined as:

1. The U.S. Atlantic Ocean and Gulf of Mexico coasts where the basic wind speed is greater than 90 mph (40 m/s) and
2. Hawaii, Puerto Rico, Guam, Virgin Islands and American Samoa

WIND-BORNE DEBRIS REGION. Portions of hurricane-prone regions that are within 1 mile (1.61 km) of the coastal mean high water line where the basic wind speed is 110 mph (48 m/s) or greater; or portions of hurricane-prone regions where the basic wind speed is 120 mph (53 m/s) or greater; or Hawaii.

Section 1609.1.2.1 Louvers. Louvers protecting intake and exhaust ventilation ducts not assumed to be open that are located within 30 feet (9144 mm) of grade shall meet requirements of an approved impact-resisting standard or the large missile test of ASTM E 1996.

International Building Code 2012

Section 202 Definitions

HURRICANE-PRONE REGIONS. Areas vulnerable to hurricanes defined as:

1. The U.S. Atlantic Ocean and Gulf of Mexico coasts where the ultimate design wind speed for Risk Category II buildings is greater than 115 mph (51.4 m/s); and
2. Hawaii, Puerto Rico, Guam, Virgin Islands and American Samoa.

WIND-BORNE DEBRIS REGION. Areas within hurricane-prone regions located:

1. Within 1 mile (1.61 km) of the coastal mean high water line where the ultimate design wind speed is 130 MPH (58 m/s) or greater; or
2. In areas where the ultimate design wind speed is 140 mph (63.6 m/s) or greater; or Hawaii.

For Risk Category II buildings and structures and Risk Category III buildings and structures, except health care facilities, the wind-borne debris region shall be based on Figure 1609A. For Risk Category IV buildings and structures and Risk Category III health care facilities, the wind-borne debris region shall be based on figure 1609B.

Section 1609.1.2.1. Louvers. Louvers protecting intake and exhaust ventilation ducts not assumed to be open that are located within 30 feet (9144 mm) of grade shall meet the requirements of AMCA 540.

International Mechanical Code 2012

Section 401.5. Louvers that protect air intake openings in structures located in hurricane-prone regions, as defined in the International Building Code, shall comply with **AMCA 550**.

Florida Building Code 2010

Section 1609.2 Definitions.

HURRICANE-PRONE REGIONS. Areas vulnerable to hurricanes defined as:

1. The U.S. Atlantic Ocean and Gulf of Mexico coasts where the basic wind speed for Risk Category II buildings is greater than 115 mph (40 m/s) and
2. Hawaii, Puerto Rico, Guam, Virgin Islands and American Samoa.

WIND-BORNE DEBRIS REGION. Areas within hurricane-prone regions located:

1. Within 1 mile (1.61 km) of the coastal mean high water line where the ultimate design wind speed is 130 mph (48 m/s) or greater; or
2. In areas where the ultimate design wind speed is 140 mph (53 m/s) or greater.

For Risk Category II buildings and structures and Risk Category III buildings and structures, except health care facilities, the wind-borne debris region shall be based on Figure 1609A. For Risk Category IV buildings and structures and Risk Category III health care facilities, the wind-borne debris region shall be based on Figure 1609B.

Section 1609.1.2.1 Louvers. Louvers protecting intake and exhaust ventilation ducts not assumed to be open that are located within 30 feet (9144 mm) of grade shall meet requirements of AMCA 540 or shall be protected by an impact resistant cover complying with an approved impact-resistance standard or the large missile test of ASTM E 1996.

Florida Mechanical Code 2010

401.5 Intake opening protection. Louvers that protect air intake openings in structures located in hurricane-prone regions, as defined in the Florida Building Code, Building shall comply with AMCA 550. Outdoor air intake openings located in exterior walls shall meet the provisions for exterior wall opening protectives in accordance with the Florida Building Code, Building.

501.2.2 Exhaust opening protection. Louvers that protect exhaust openings in structures located in hurricane-prone regions as defined in the Florida Building Code, shall comply with AMCA 550. Outdoor openings located in exterior walls shall meet the provisions for exterior wall opening protectives in accordance with the Florida Building Code, Building.

FEMA P-361, Second Addition, August 2008

Airolite recommends any design professional or construction professional obtain publication FEMA P-361, FEMA P-320 or ICC-500 for reference to specific construction/design criteria required for Tornado Community Safe Rooms and/or Hurricane Community Safe Rooms.

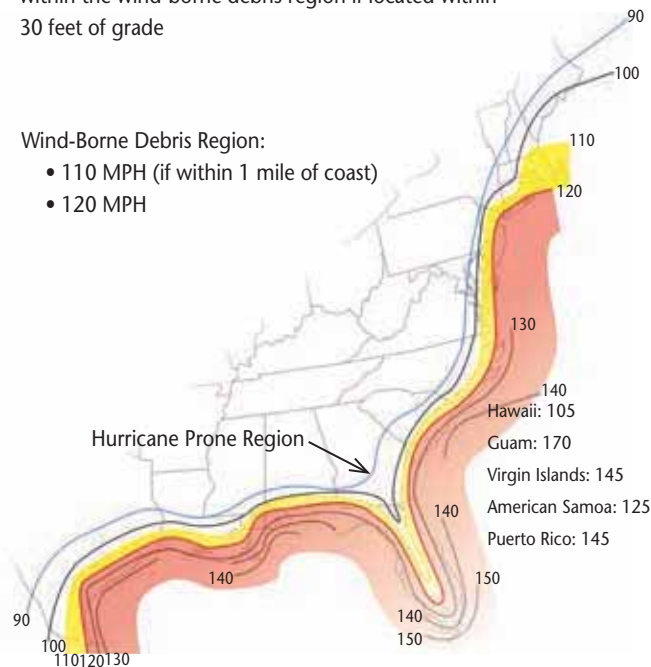
Airolite model AFG801 FEMA grille is tested in accordance with and passes the ICC-500 missile impact criteria (15 lb 2 x 4 traveling at 100 mph). Airolite model AFG801 FEMA grille is a UL Classified Windstorm Rated Assembly and is qualified for wind pressure loads not to exceed 248 psf when installed in accordance with published installation instructions.

International Building Code 2006/2009 (ASCE 7-05)

- International Building Code 2006/2009 requires louvers in the hurricane prone region to be impact tested in accordance with the large missile test requirements of ASTM E1996 (Florida TAS 201) if within the wind-borne debris region if located within 30 feet of grade

Wind-Borne Debris Region:

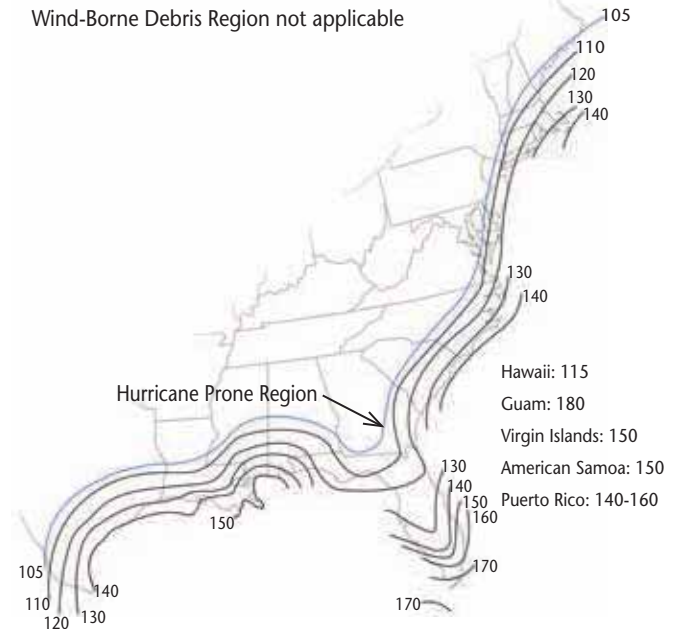
- 110 MPH (if within 1 mile of coast)
- 120 MPH



International Building Code 2012 (ASCE 7-10)

Building Risk Category I

- Low risk to human life in the event of failure
- International Building Code 2012 does not reference building risk category I as requiring large missile impact
- Wind-Borne Debris Region not applicable



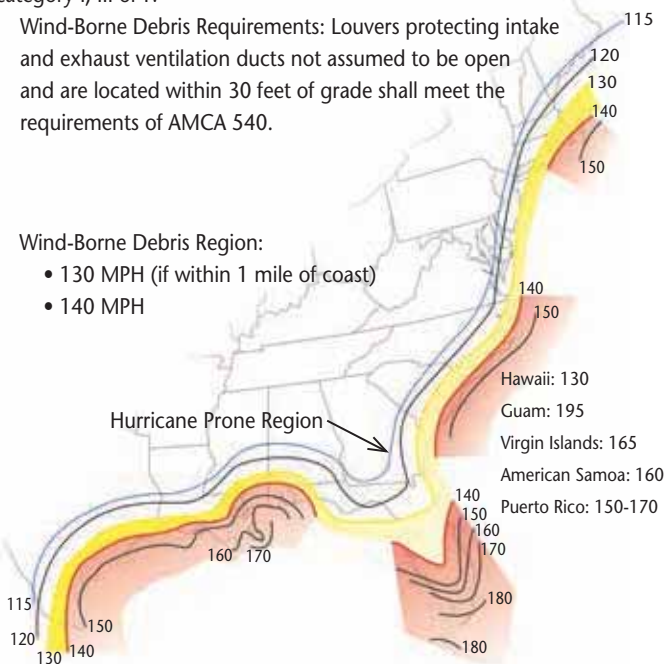
International Building Code 2012 (ASCE 7-10)

Building Risk Category II

- All other buildings or structures not considered building risk category I, III or IV
- Wind-Borne Debris Requirements: Louvers protecting intake and exhaust ventilation ducts not assumed to be open and are located within 30 feet of grade shall meet the requirements of AMCA 540.

Wind-Borne Debris Region:

- 130 MPH (if within 1 mile of coast)
- 140 MPH



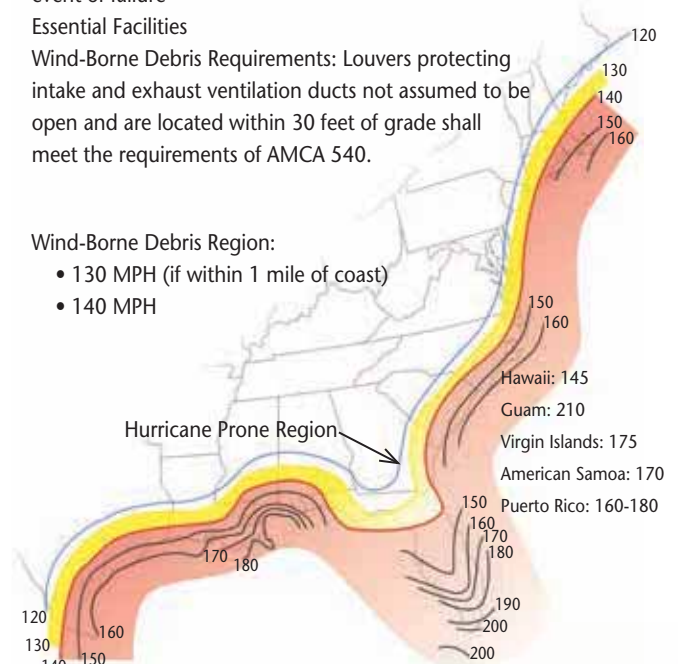
International Building Code 2012 (ASCE 7-10)

Building Risk Category III & IV

- High economic impact, mass disruption of day-to-day civilian life in event of failure
- Essential Facilities
- Wind-Borne Debris Requirements: Louvers protecting intake and exhaust ventilation ducts not assumed to be open and are located within 30 feet of grade shall meet the requirements of AMCA 540.

Wind-Borne Debris Region:

- 130 MPH (if within 1 mile of coast)
- 140 MPH



Note: All referenced wind speeds are MPH. Maps are Airlite's representation of the IBC publication.

Test Descriptions

Florida TAS 201: Large Missile Impact

To date, Florida Building Code (FBC) TAS 201 remains the Large Missile Impact recognized by the Miami-Dade County Department of Regulatory and Economic Resources (RER) for Miami-Dade Notice of Acceptance (NOA) for louvers and louvered penthouse assemblies. TAS 201 was/is considered by many to be an “approved impact-resisting” standard as described within International Building Codes (IBC) 2006 and 2009 and FBC 2004 and 2007. TAS 201 measures a product’s resistance to wind-borne debris. TAS 201 simulates a 9 pound 2 x 4 traveling at 50 feet per second (34 miles per hour). Manufacturers must test their largest specimen size to several impacts for certification.

AMCA 540: Test Method for Louvers Impacted by Wind Borne Debris

The FBC 2010 and IBC 2012 recognize AMCA 540 for Large Missile Impact requirements for louvers where applicable within the defined Wind-Borne Debris Region. AMCA 540 measures a louver’s resistance to wind-borne debris. AMCA 540 simulates two different missile criteria. Missile Level D simulates a 9 pound 2 x 4 traveling at 50 feet per second (34 miles per hour). Missile Level E simulates a 9 pound 2 x 4 traveling at 80 feet per second (55 miles per hour). Missile Level D is required for Basic Protection while Missile Level E is required for Enhanced Protection for all Essential Facilities. Manufacturers must test their specimen’s smallest shortest blade span for single section assemblies along with multiple section configurations, to qualify applicable mulled panels.



ICC-500: Debris Impact

ICC-500 is recognized by the Federal Emergency Management Agency (FEMA) as a requirement for FEMA P-361 and/or FEMA P-320 Tornado or Hurricane Community Safe Rooms. ICC-500 defines several missile criteria, however, the most widely specified and applied is a simulate 15 pound 2 x 4 traveling at 100 miles per hour. This is also regarded as the most stringent. Pass or failure is based on penetration and perforation of “witness paper” located behind the specimen. A missile may penetrate a door, wall sections, etc, and remain lodged within the component, but the component does not allow any missile or specimen fragments to perforate the “witness paper” located inches directly behind the specimen.

Florida TAS 202: Uniform Static Air Pressure Test

Florida TAS 202 is recognized by both the FBC for Florida Product Approval and the Miami-Dade County RER for Miami-Dade NOA. TAS 202 simulates a product’s resistance to both negative and positive static wind pressure loading. Manufacturers must submit to 30 second positive and negative pressure cycles ranging from one-half design load to 1.5 times design load. Pass or failure is based on the subject product’s deflection and integrity retention. Manufacturers must test their largest specimen size along with multiple section configurations for applicable mulled panels.

Florida TAS 203: Cyclic Wind Pressure Loading

Florida TAS 203 is recognized by both the FBC for Florida Product Approval and the Miami-Dade County RER for Miami-Dade NOA. TAS 203 is required if the subject product is also Large Missile Impact qualified (AMCA 540 or TAS 201). TAS 203 simulates a product’s resistance to both negative and positive cyclic wind pressure loading. Manufacturers must submit to a total of 671 five second maximum cycles ranging from one-half design load to 1.3 times design load (600 cycles at one-half design load, 70 cycles at 0.6 design load and one cycle at 1.3 times design load). Pass or failure is based on the subject product’s deflection and integrity retention. Manufacturers must test their largest specimen size along with multiple section configurations for applicable mulled panels.



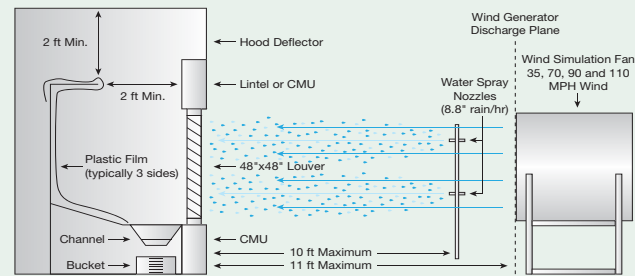
AMCA 500-L: Airflow Resistance

The AMCA 500-L Airflow Resistance test procedure measures a louver’s resistance to airflow under both intake and exhaust conditions. Pressure drop across the louver free area is measured and displayed as airflow resistance in units of inches water gauge at specific intake or exhaust velocity points. Manufacturers must test a 48 inch x 48 inch specimen size.

Test Descriptions

Florida TAS 100A: Wind-Driven Rain

To date, Florida TAS 100A is recognized by the Miami-Dade County RER for Miami-Dade NOA. TAS 100A simulates a louver or louver/damper assembly's resistance to wind-driven rain. TAS 100A is required for louvers applied within 33 feet of grade where the room behind the louver is NOT designed to drain water penetrating into the room or the room will house non-water resistant or water proof equipment, components or supplies. TAS 100A simulates an external 35, 70, 90 and 110 miles per hour wind speed with a simulated external horizontal rainfall rate of 8.8 inches per hour. During the 35 and 70 miles per hour wind simulations no water penetration is allowable. During the 90 and 110 miles per hour wind simulations an amount of water not greater than 0.05% of the overall sprayed water volume is allowed beyond the louver and damper assembly. Manufacturers must test a 48 inch x 48 inch specimen size.



AMCA 550: Test Method for High Velocity Rain Resistant Louvers

Florida Mechanical Code (FMC) 2010 recognizes compliance with AMCA 550 for all intake and exhaust louvers that are located within the Hurricane Prone Regions as defined by the FBC 2010. International Mechanical Code (IMC) recognizes compliance with AMCA 550 for all intake louvers that are located within the Hurricane Prone Regions as defined by IBC 2012. The AMCA 550 test specification is identical to that of Florida TAS 100A, with the exception being the pass or failure criteria. The AMCA 550 High Velocity Wind-Driven Rain standard measures failure where greater than 1% of the overall sprayed water volume passes beyond the louver or louver and damper assembly during the entire test duration. Manufacturers must test a 48 inch x 48 inch specimen size. In addition to testing to the AMCA 550 standard the louver and damper assembly must first have undergone testing to the AMCA 500-L Wind Driven Rain procedure (50 mile per hour wind, 8 inches rain per hour).

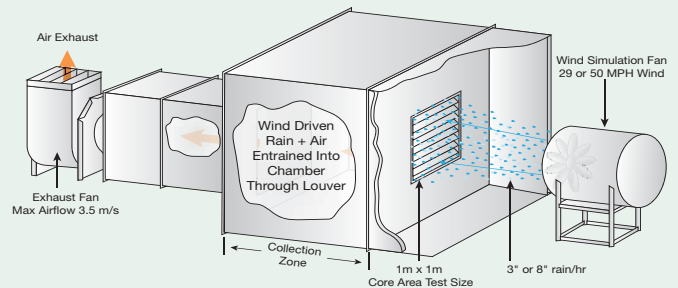
AMCA 500-L: Wind-Driven Rain

The AMCA 500-L Wind-Driven Rain test procedure measures a louver's resistance to water penetration under more dynamic storm-like conditions than the AMCA 500-L Water Penetration test procedure. A fan in front of the subject test louver simulates external wind speeds of 29 and/or 50 miles per hour. Between the external fan and the louver, spray nozzles simulate

external rainfall at a rate(s) of 3 inches and/or 8 inches per hour (3 inches occurs at 29 miles per hour wind, 8 inches occurs at 50 miles per hour wind). Within a fully enclosed pressurized chamber behind the louver, a fan attempts to pull the water droplets through the louver blades. The louver is measured by a grading system of Class A, B, C or D, which defines the water rejection percentage at specific inlet velocity points. Manufacturers must test a louver size, which allows for a 1 meter x 1 meter louver core size. The louver core size is defined as the minimum distance between the louver's opposing frame members at the exterior face of the louver.

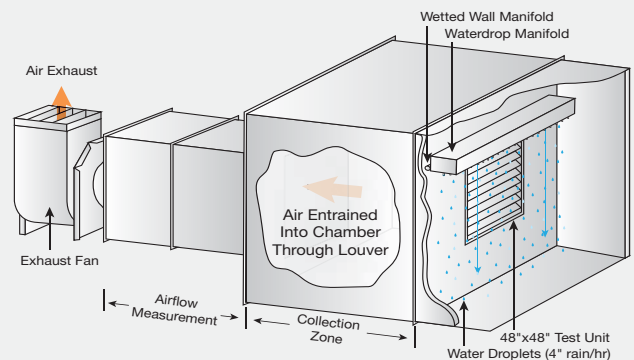
Wind-Driven Rain Penetration Classes

Class	Effectiveness
A	1 to 0.99
B	0.989 to 0.95
C	0.949 to 0.80
D	Below 0.8



AMCA 500-L: Water Penetration

The AMCA 500-L Water Penetration test procedure measures a louver's resistance to water penetration during normal operating conditions. Rainfall at a rate of 4 inches per hour is simulated by dripping water droplets in front of the test louver. A wetted wall condition is simulated by applying 0.25 gallons of water per minute per linear foot across the wall directly above the test louver. Within a fully enclosed pressurized chamber behind the louver, a fan attempts to pull the water droplets through the louver blades. The louver is measured by the Beginning Point of Water Penetration, which is defined as the free area intake velocity from 0-1250 feet per minute where 0.01 ounces of water per square foot of louver free area is measurable behind the louver. The AMCA 500-L Water Penetration test procedure does NOT simulate external wind forces. Manufacturers must test a 48 inch x 48 inch specimen size.





Stationary Louvers

Extruded Stationary

Extruded High Performance

Extruded Drainable

Acoustic

Extruded Sightproof

Narrow Profile

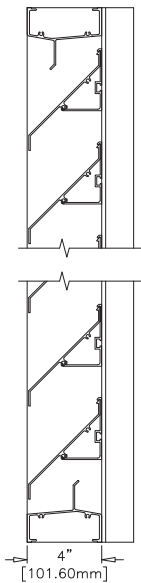
Fabricated Stationary

Extruded Aluminum Stationary Louvers

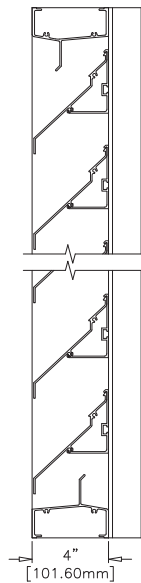
Architectural, Non-Drainable



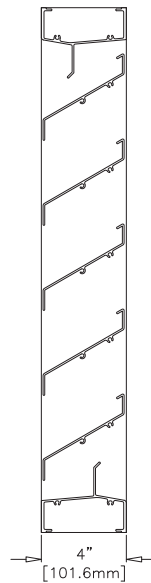
K609



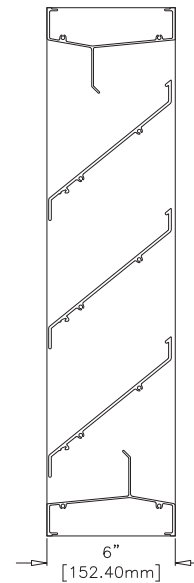
Louver Type
K609



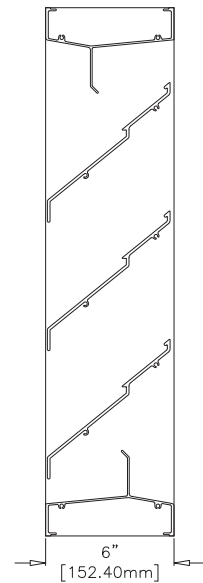
Louver Type
K638



Louver Type
K666



Louver Type
K6096



Louver Type
K6386

Louver Type	Depth	AMCA Licensed Ratings	Blade/Frame Thickness	Free Area (4' x 4' Unit)	% Free Area	Beginning Point of Water Pen.	Air Volume Flow Rate	Pressure Drop
K609	4"	AP, WP	0.081/0.081"	7.91 ft ²	49%	562 fpm	4,446 cfm	0.06 in H ₂ O
K638	4"	AP, WP	0.081/0.081"	7.86 ft ²	49%	548 fpm	4,307 cfm	0.03 in H ₂ O
K666	4"	NR	0.081/0.081"	8.52 ft ²	53%	760 fpm	6,475 cfm	0.10 in H ₂ O
K6096	6"	AP, WP	0.081/0.081"	8.35 ft ²	52%	817 fpm	6,396 cfm	0.10 in H ₂ O
K6386	6"	AP, WP	0.081/0.081"	8.02 ft ²	50%	753 fpm	6,039 cfm	0.08 in H ₂ O

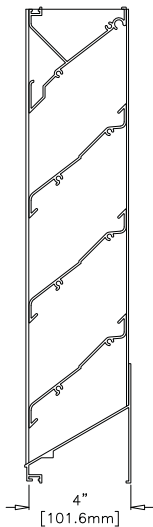
AP = Air Performance, WP = Water Penetration, NR = Not Rated

Extruded Aluminum High Performance Louvers

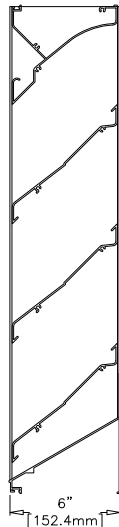
Drainable Head Frame, Non-Drainable Blades



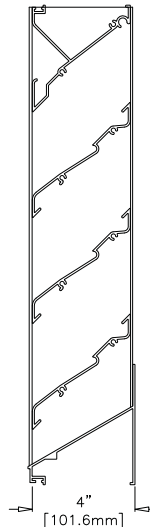
K609HP



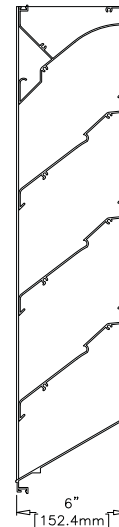
Louver Type
K609HP



Louver Type
K6096HP



Louver Type
K638HP



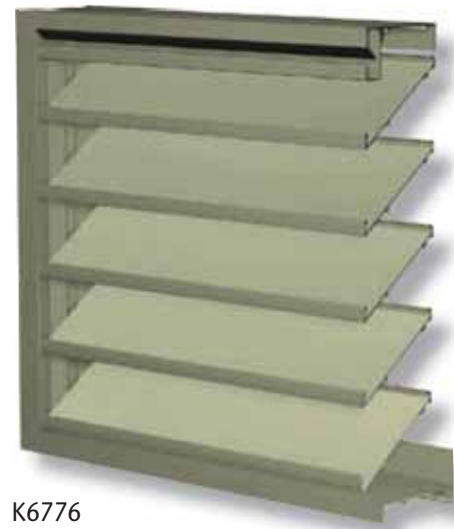
Louver Type
K6386HP

Louver Type	Depth	AMCA Licensed Ratings	Blade/Frame Thickness	Free Area (4' x 4' Unit)	% Free Area	Beginning Point of Water Pen.	Air Volume Flow Rate	Pressure Drop
K609HP	4"	AP, WP	0.081/0.081"	8.32 ft ²	52%	963 fpm	8,012 cfm	0.10 in H ₂ O
K6096HP	6"	AP, WP	0.081/0.081"	8.69 ft ²	54%	998 fpm	8,673 cfm	0.17 in H ₂ O
K638HP	4"	AP, WP	0.081/0.081"	8.49 ft ²	53%	934 fpm	7,930 cfm	0.14 in H ₂ O
K6386HP	6"	AP, WP	0.081/0.081"	8.35 ft ²	52%	1,097 fpm	9,160 cfm	0.19 in H ₂ O

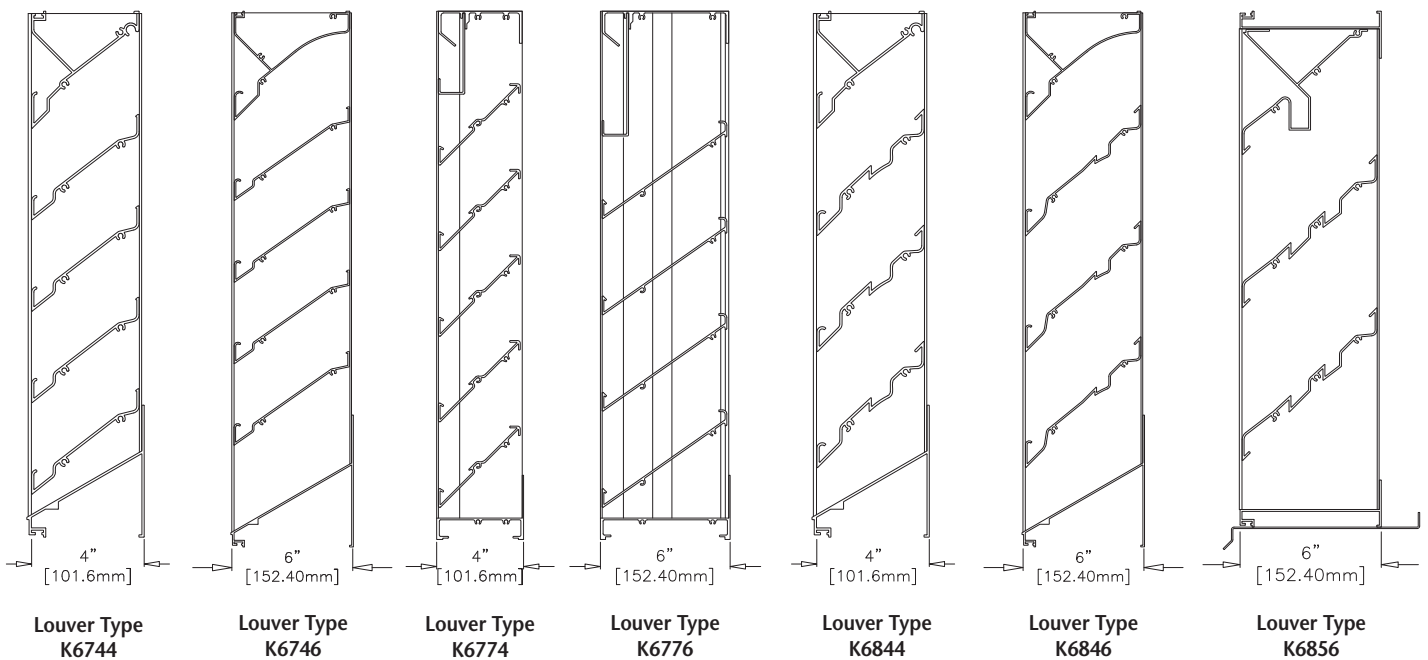
AP = Air Performance, WP = Water Penetration

Extruded Aluminum Drainable Louvers

Drainable Head Frame, Drainable Blades



K6776

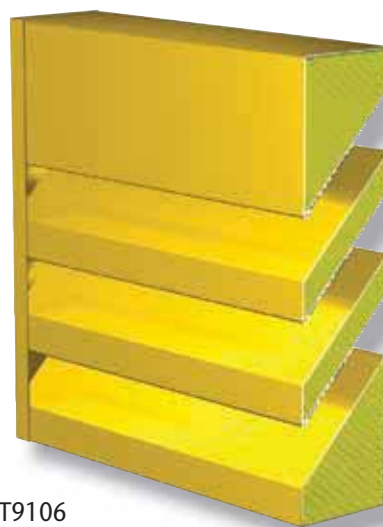


Louver Type	Depth	AMCA Licensed Ratings	Blade/Frame Thickness	Free Area (4' x 4' Unit)	% Free Area	Beginning Point of Water Pen.	Air Volume Flow Rate	Pressure Drop
K6744	4"	AP, WP	0.081/0.081"	8.92 ft ²	56%	989 fpm	8,822 cfm	0.16 in H ₂ O
K6746	6"	AP, WP	0.081/0.081"	9.41 ft ²	59%	1,077 fpm	10,135 cfm	0.15 in H ₂ O
K6774	4"	AP, WP	0.081/0.081"	8.35 ft ²	52%	961 fpm	8,024 cfm	0.14 in H ₂ O
K6776	6"	AP, WP	0.081/0.081"	8.56 ft ²	54%	1,250 fpm	10,700 cfm	0.18 in H ₂ O
K6844	4"	AP, WP	0.081/0.081"	8.22 ft ²	51%	992 fpm	9,140 cfm	0.16 in H ₂ O
K6846	6"	AP, WP	0.081/0.081"	8.58 ft ²	54%	1,201 fpm	10,305 cfm	0.20 in H ₂ O
K6856	6"	AP, WP	0.081/0.081"	7.91 ft ²	49%	1,065 fpm	8,424 cfm	0.15 in H ₂ O

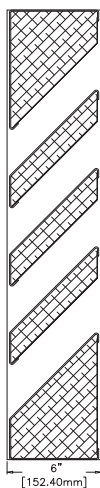
AP = Air Performance, WP = Water Penetration

Acoustic Louvers

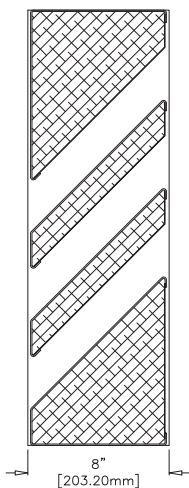
*Parallelogram, Airfoil and
Sightproof Blades*



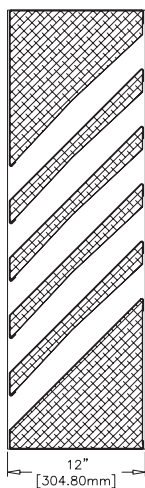
T9106



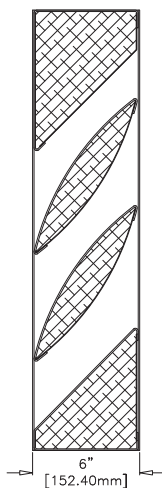
Louver Type
T9106



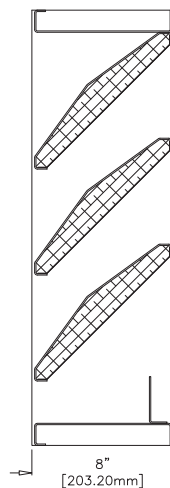
Louver Type
T9108



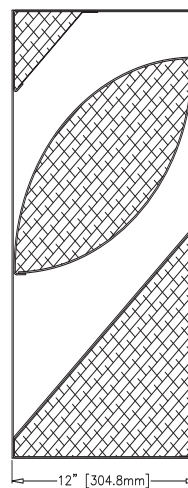
Louver Type
T9112



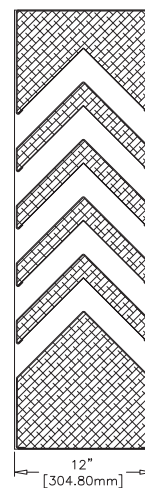
Louver Type
T9206



Louver Type
T9208



Louver Type
T9212



Louver Type
T9612

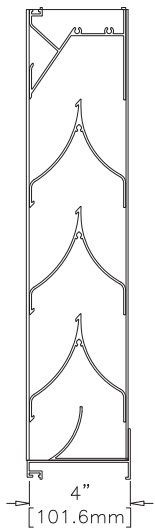
Louver Type	Depth	AMCA Licensed Ratings	Blade/Frame Thickness	Free Area (4' x 4' Unit)	% Free Area	Beginning Point of Water Pen.	Air Volume Flow Rate	Pressure Drop
T9106	6"	AP, WP, S	0.080/0.080"	4.89 ft ²	31%	799 fpm	3,907 cfm	0.06 in H ₂ O
T9108	8"	AP, WP, S	0.080/0.080"	4.28 ft ²	27%	887 fpm	3,798 cfm	0.07 in H ₂ O
T9112	12"	AP, WP, S	0.080/0.080"	3.39 ft ²	21%	1,108 fpm	3,757 cfm	0.11 in H ₂ O
T9206	6"	NR	0.081/0.081"	4.06 ft ²	25%	943 fpm	3,828 cfm	0.07 in H ₂ O
T9208	8"	AP, WP, S	0.080/0.080"	5.21 ft ²	33%	879 fpm	4,520 cfm	0.05 in H ₂ O
T9212	12"	NR	0.081/0.081"	4.29 ft ²	27%	753 fpm	3,229 cfm	0.05 in H ₂ O
T9612	12"	AP, WP, S	0.080/0.080"	4.27 ft ²	27%	830 fpm	3,544 cfm	0.12 in H ₂ O

AP = Air Performance, WP = Water Penetration, S = Sound, NR = Not Rated

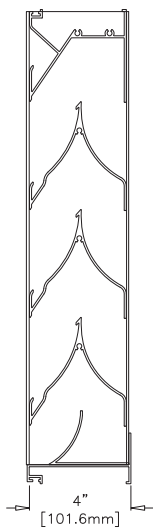
Extruded Aluminum Sightproof Louvers



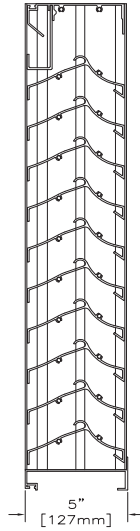
K605



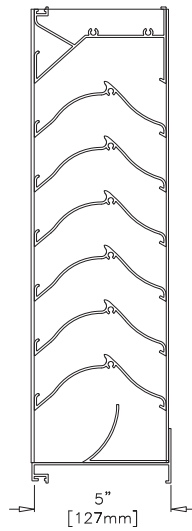
Louver Type K601



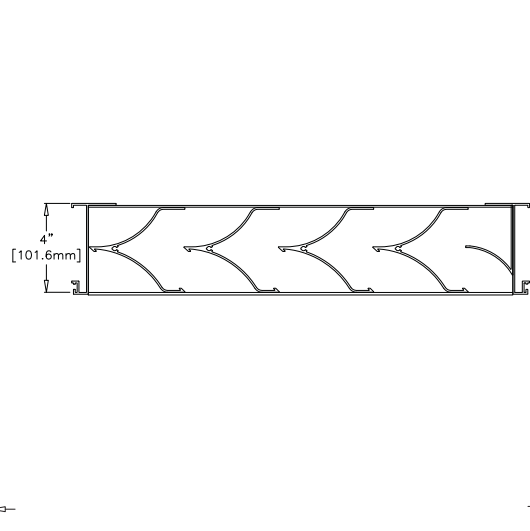
Louver Type
K601D



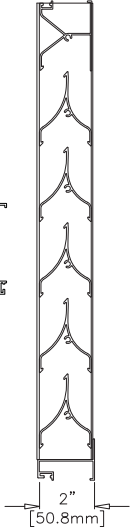
Louver Type
K605



Louver Type
K605D



Louver Type
KV601



Louver Type
T5832

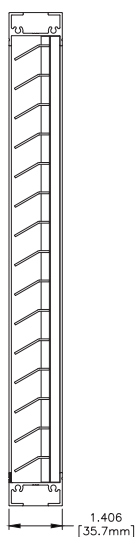
Louver Type	Depth	AMCA Licensed Ratings	Blade/Frame Thickness	Free Area (4' x 4' Unit)	% Free Area	Beginning Point of Water Pen.	Air Volume Flow Rate	Pressure Drop
K601	4"	AP, WP	0.081/0.081"	5.16 ft ²	32%	765 fpm	3,827 cfm	0.26 in H ₂ O
K601D	4"	AP, WP	0.081/0.081"	5.16 ft ²	32%	747 fpm	3,855 cfm	0.30 in H ₂ O
K605	5"	AP, WP	0.081/0.081"	8.19 ft ²	51%	1,036 fpm	8,485 cfm	0.25 in H ₂ O
K605D	5"	AP, WP	0.081/0.081"	9.11 ft ²	57%	1,134 fpm	10,331 cfm	0.40 in H ₂ O
KV601	4"	NR	0.081/0.081"	5.33 ft ²	33%	NR	NR	NR
T5832	2"	AP, WP	0.063/0.063"	3.75 ft ²	23%	516 fpm	1,935 cfm	0.10 in H ₂ O

AP = Air Performance, WP = Water Penetration, NR = Not Rated

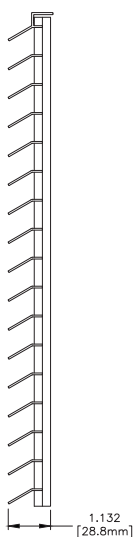
Narrow Profile Louvers



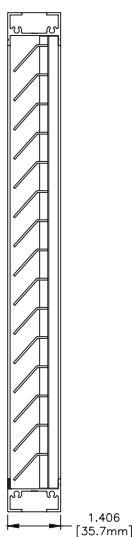
K6772



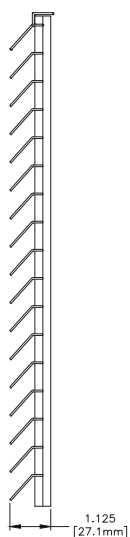
Louver Type
AC153



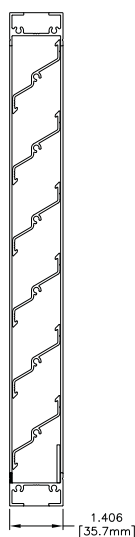
Louver Type
AC153S



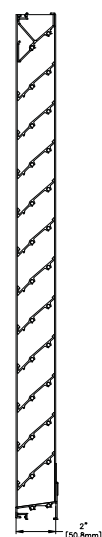
Louver Type
AC154



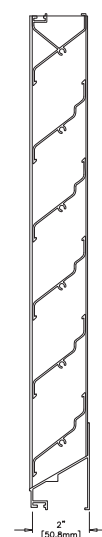
Louver Type
AC154S



Louver Type
AC155



Louver Type
K6772



Louver Type
T6482

Louver Type	Depth	AMCA Licensed Ratings	Blade/Frame Thickness	Free Area (4' x 4' Unit)	% Free Area	Beginning Point of Water Pen.	Air Volume Flow Rate	Pressure Drop
AC153	1.406"	NR	0.050/0.063"	11.01 ft ²	69%	NR	NR	NR
AC153S	1.132"	NR	0.050"/no frame	11.67 ft ²	73%	NR	NR	NR
AC154	1.406"	NR	0.050/0.063"	8.34 ft ²	52%	NR	NR	NR
AC154S	1.125"	NR	0.050"/no frame	8.80 ft ²	55%	NR	NR	NR
AC155	1.406"	NR	0.056/0.063"	7.35 ft ²	46%	NR	NR	NR
K6772	2"	AP, WP	0.063/0.063"	8.67 ft ²	54%	973 fpm	8,433 cfm	0.12 in H ₂ O
T6482	2"	AP, WP	0.063/0.063"	6.01 ft ²	38%	668 fpm	4,014 cfm	0.06 in H ₂ O

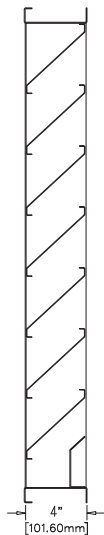
AP = Air Performance, WP = Water Penetration, NR = Not Rated

Fabricated Stationary Louvers

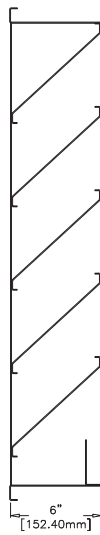
Drainable and Non-Drainable



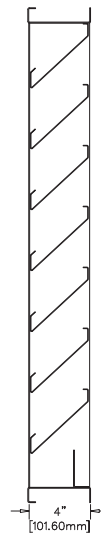
609



Louver Type
609



Louver Type
6096



Louver Type
6774



Louver Type
6776

Louver Type	Depth	AMCA Licensed Ratings	Blade/Frame Thickness	Free Area (4' x 4' Unit)	% Free Area	Beginning Point of Water Pen.	Air Volume Flow Rate	Pressure Drop
609	4"	AP, WP	20/16 gauge	7.55 ft ²	47%	839 fpm	6,334 cfm	0.09 in H ₂ O
6096	6"	AP, WP	20/16 gauge	7.57 ft ²	47%	896 fpm	6,783 cfm	0.15 in H ₂ O
6774	4"	AP, WP	20/16 gauge	7.03 ft ²	44%	1,056 fpm	8,788 cfm	0.24 in H ₂ O
6776	6"	AP, WP	20/16 gauge	8.15 ft ²	51%	948 fpm	7,726 cfm	0.18 in H ₂ O

AP = Air Performance, WP = Water Penetration



Operable Louvers

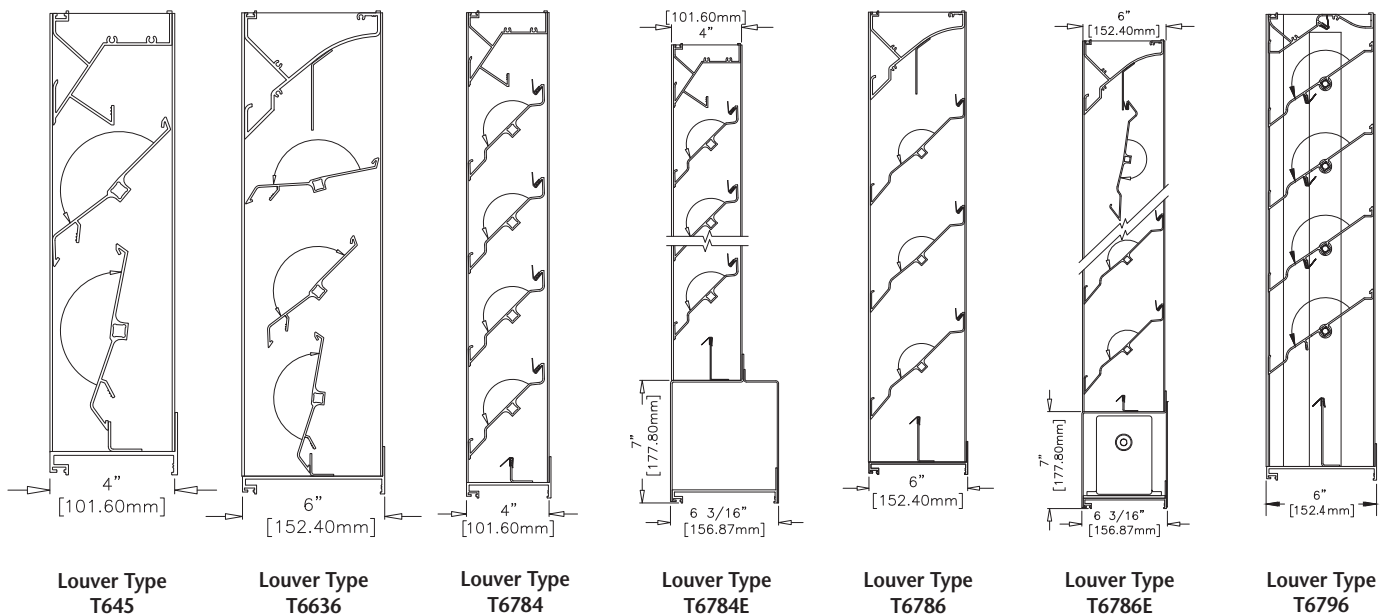
Extruded Adjustable
Extruded Combination

Fabricated Adjustable

Extruded Aluminum Adjustable Louvers



T6784



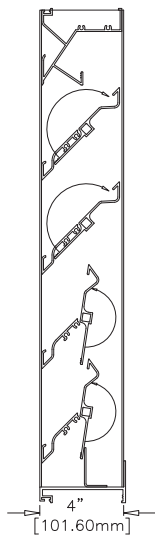
Louver Type	Depth	AMCA Licensed Ratings	Blade/Frame Thickness	Free Area (4' x 4' Unit)	% Free Area	Beginning Point of Water Pen.	Air Volume Flow Rate	Pressure Drop
T645	4"	AP, WP	0.081/0.125"	6.48 ft ²	41%	1,023 fpm	6,629 cfm	0.17 in H ₂ O
T6636	6"	AP	0.081/0.125"	6.32 ft ²	40%	1,069 fpm	6,756 cfm	0.12 in H ₂ O
T6784	4"	AP, WP	0.081/0.125"	6.54 ft ²	41%	920 fpm	6,016 cfm	0.18 in H ₂ O
T6784E	4"	NR	0.081/0.125"	5.23 ft ²	33%	920 fpm	5,372 cfm	0.19 in H ₂ O
T6786	6"	AP, WP	0.081/0.125"	7.34 ft ²	46%	1,007 fpm	7,391 cfm	0.12 in H ₂ O
T6786E	6"	NR	0.081/0.125"	6.44 ft ²	40%	1,007 fpm	6,485 cfm	0.14 in H ₂ O
T6796	6"	AP, WP	0.081/0.125"	8.73 ft ²	55%	1,1074 fpm	9,664 cfm	0.15 in H ₂ O

AP = Air Performance, WP = Water Penetration, NR = Not Rated

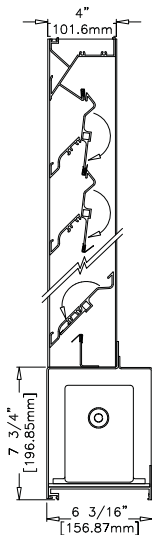
Extruded Aluminum Combination Louvers



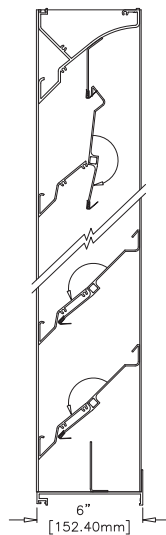
K8204



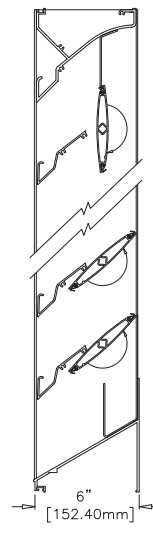
Louver Type
K8204



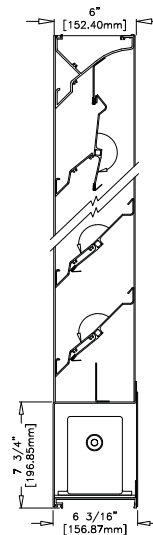
Louver Type
K8204E



Louver Type
K8206



Louver Type
K8206A



Louver Type
K8206E

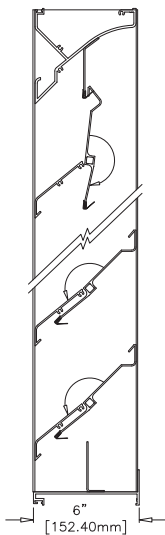
Louver Type	Depth	AMCA Licensed Ratings	Blade/Frame Thickness	Free Area (4' x 4' Unit)	% Free Area	Beginning Point of Water Pen.	Air Volume Flow Rate	Pressure Drop
K8204	4"	AP, WP	0.081/0.125"	6.34 ft ²	40%	1,192 fpm	7,557 cfm	0.17 in H ₂ O
K8204E	4"	NR	0.081/0.125"	5.41 ft ²	34%	1,192 fpm	6,663 cfm	0.17 in H ₂ O
K8206	6"	AP, WP	0.081/0.125"	7.41 ft ²	46%	1,020 fpm	7,558 cfm	0.16 in H ₂ O
K8206A	6"	AP, WP	0.081/0.125"	7.68 ft ²	48%	1,221 fpm	9,377 cfm	0.14 in H ₂ O
K8206E	6"	NR	0.081/0.125"	6.20 ft ²	39%	1,020 fpm	6,324 cfm	0.16 in H ₂ O

AP = Air Performance, WP = Water Penetration, NR = Not Rated

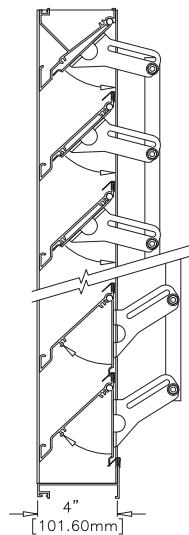
Extruded Aluminum Combination Louvers



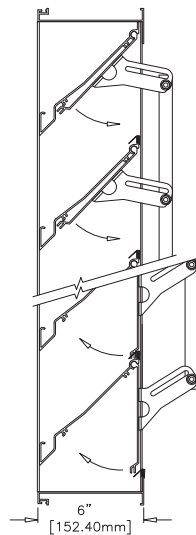
K8504



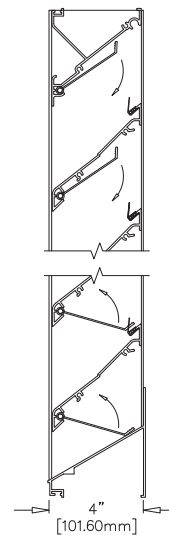
Louver Type
K8306



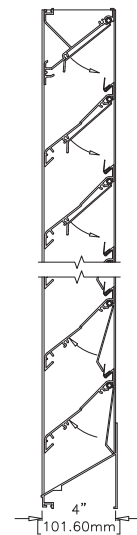
Louver Type
K8504



Louver Type
K8506



Louver Type
KN827



Louver Type
KX827

Louver Type	Depth	AMCA Licensed Ratings	Blade/Frame Thickness	Free Area (4' x 4' Unit)	% Free Area	Beginning Point of Water Pen.	Air Volume Flow Rate	Pressure Drop
K8306	6"	AP, WP	0.081/0.125"	7.18 ft ²	46%	1,193 fpm	7,385 cfm	0.13 in H ₂ O
K8504	4"	AP, WP	0.081/0.081"	7.60 ft ²	46%	1,018 fpm	6,118 cfm	0.11 in H ₂ O
K8506	6"	AP, WP	0.081/0.081"	7.32 ft ²	46%	1,035 fpm	7,576 cfm	0.14 in H ₂ O
KN827	4"	NR	0.081/0.081"	6.39 ft ²	40%	NR	NR	NR
KX827	4"	NR	0.081/0.081"	6.39 ft ²	40%	NR	NR	NR

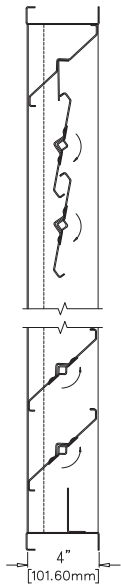
AP = Air Performance, WP = Water Penetration, NR = Not Rated

Fabricated Adjustable Louvers

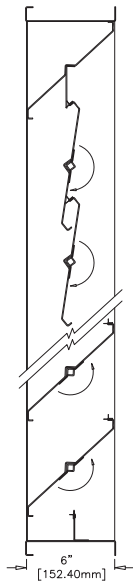
Drainable and Non-Drainable



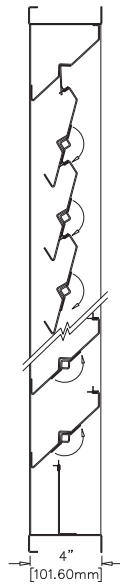
6786



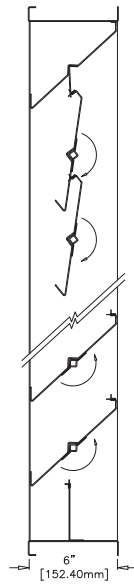
Louver Type
645



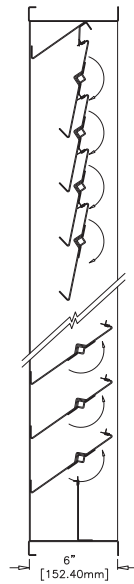
Louver Type
6456



Louver Type
6784



Louver Type
6785



Louver Type
6786

Louver Type	Depth	AMCA Licensed Ratings	Blade/Frame Thickness	Free Area (4' x 4' Unit)	% Free Area	Beginning Point of Water Pen.	Air Volume Flow Rate	Pressure Drop
645	4"	AP, WP	16/16 gauge	5.93 ft ²	37%	691 fpm	4,098 cfm	0.06 in H ₂ O
6456	6"	AP, WP	16/16 gauge	6.23 ft ²	39%	717 fpm	4,467 cfm	0.06 in H ₂ O
6784	4"	AP, WP	16/16 gauge	5.98 ft ²	37%	1,086 fpm	6,494 cfm	0.12 in H ₂ O
6785	6"	AP, WP	16/16 gauge	7.11 ft ²	44%	980 fpm	6,968 cfm	0.15 in H ₂ O
6786	6"	AP, WP	16/16 gauge	8.77 ft ²	55%	959 fpm	8,410 cfm	0.10 in H ₂ O

AP = Air Performance, WP = Water Penetration

Special Application Products

AFG501: FEMA 361 Grille

AFG501 is an aluminum louver designed to protect exterior wall penetrations on FEMA 361 or FEMA 320 compliant storm shelters or safe rooms. Design incorporates inverted V style blades, which lend high free area, excellent resistance to water penetration and very low airflow resistance while providing maximum protection against extremely high wind loads and wind-borne debris.



AFG801: FEMA 361 Grille

AFG801 is a FEMA 361 compliant and UL Listed (R29119) grille fabricated of 0.25 inch thick hot rolled steel materials. It will withstand the ICC 500 2 x 4 impact standard adopted by FEMA 361 and will withstand wind-loads up to 248 PSF. AFG801 may be installed in a cantilever or recessed/flush mount configuration. Mounted flanges may be located on the sides, top and bottom.



ASL401: Sand Louver

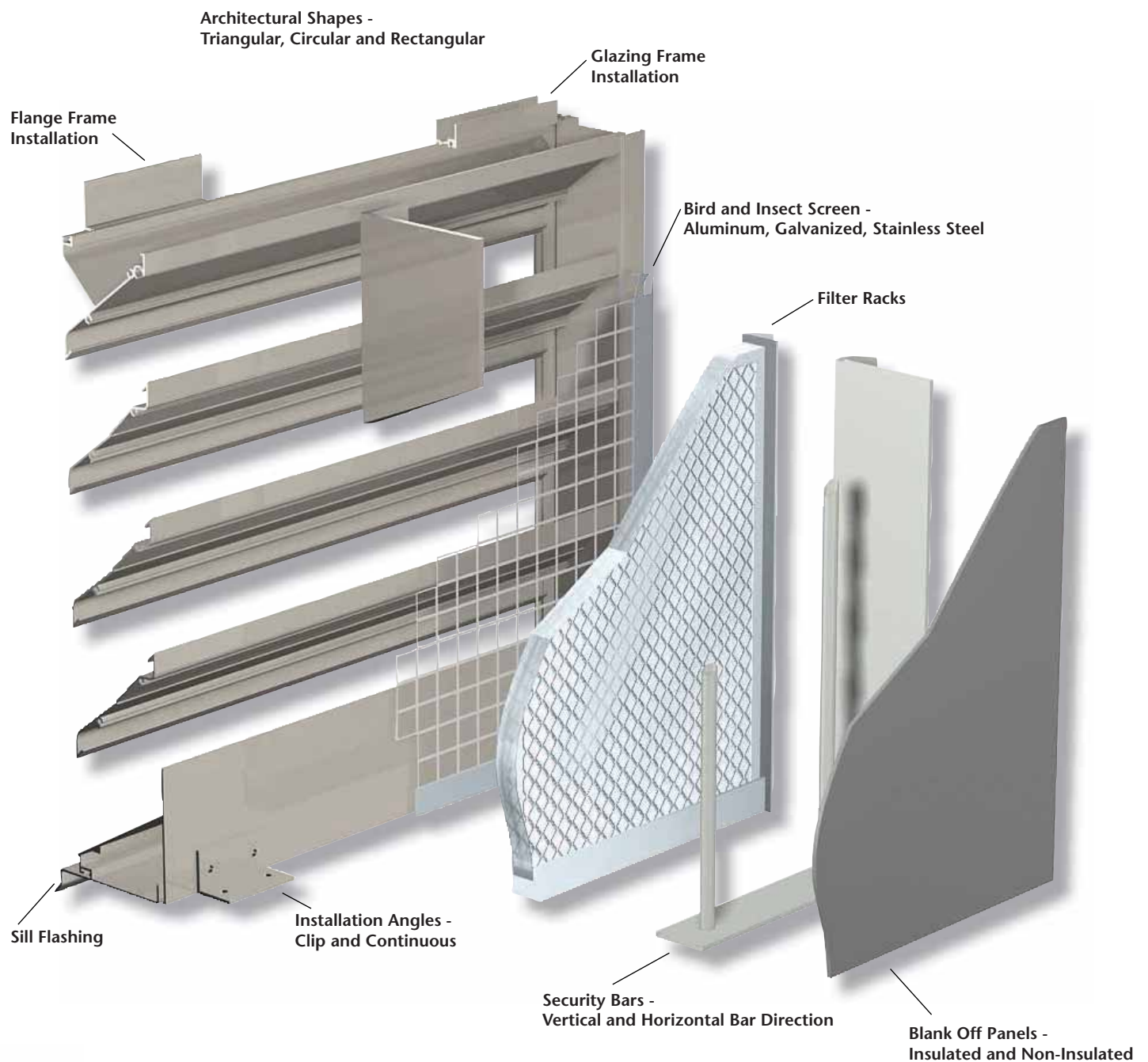
ASL401 is a sand louver designed to protect air intake and exhaust openings in building exterior walls from wind-driven sand. Design incorporates vertical sightproof blades to separate sand from the air stream which then are channeled out at the sloped sill.



Louver Type	Depth	AMCA Licensed Ratings	Blade/Frame Thickness	Free Area (4' x 4' Unit)	% Free Area	Beginning Point of Water Pen.	Air Volume Flow Rate	Pressure Drop
AFG501	5"	AP, WP	0.250/0.250"	7.55 ft ²	47%	2,002 fpm	15,115 cfm	0.11 in H ₂ O
AFG801	8"	NR	0.250/0.250"	8.05 ft ²	50%	NR	NR	NR
ASL401	4"	AP	18/18 gauge	4.28 ft ²	27%	NR	NR	NR

AP = Air Performance, WP = Water Penetration, NR = Not Rated

Louver Options and Accessories



Finishes and Colors



Your vision becomes a reality when you can choose from 39 standard fluoropolymer colors, seven standard anodize colors and limitless custom color options using Airolite's **Color by Choice**™ custom color program. Our knowledgeable, in-house color and finish experts listen carefully to your ideas and will work to achieve your goal.

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 ANODIZE¹: 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 ANODIZE¹: 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.

Finishes meet or exceed AAMA 2605, AAMA 2604, and AAMA 2603 requirements. Please consult the factory for complete information on standard and extended paint warranties.

¹ Anodize finishes are not recommended for Sun Controls and other architectural products that use multiple types of aluminum alloy, due to color inconsistencies.

* Reference the Airolite Finishes and Colors brochure for more information.



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