

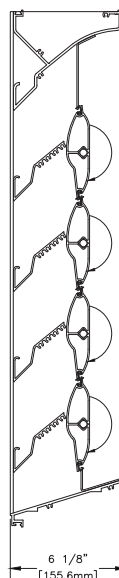
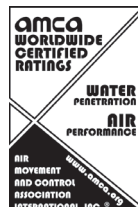
## MIAMI-DADE QUALIFIED COMBINATION LOUVER

|  |                                       |
|--|---------------------------------------|
| <b>Visible Mullion Louver Type</b> .....   | K8206AMD                              |
| <b>Material</b> .....  | Extruded Aluminum (Alloy 6005-T5)     |
| <b>Stationary Blade</b> .....  | 0.081 in. (2.06 mm)                   |
| <b>Adjustable Blade</b> .....  | 0.081 in. (2.06 mm)                   |
| <b>Head/Sill</b> .....   | 0.125 in. (3.175 mm)                  |
| <b>Jambs</b> .....   | 0.25 in. (6.35 mm)                    |
| <b>Louver Depth</b> .....  | 6 in. (152.4 mm)                      |
| <b>Blade Angle</b> .....   | 45°                                   |
| <b>Free Area – 4 ft. x 4 ft. Unit</b> .....  | 7.27 sq. ft. (0.68 sq m)              |
| <b>Percent Free Area</b> .....   | 45.4%                                 |
| <b>Free Area Velocity at Beginning Point of Water Penetration – 0.01 oz H<sub>2</sub>O/sq. ft. Free Area</b> ..... | 1,113 fpm (5.66 m/s)                  |
| <b>Air Volume Flow Rate at Beginning Point of Water Penetration – 4 ft. x 4 ft. Unit</b> .....                     | 8,094 cfm (3.82 m <sup>3</sup> /s)    |
| <b>Pressure Drop at Beginning Point of Water Penetration</b> .....   | 0.15 in. H <sub>2</sub> O (0.038 kPa) |



HIGH VELOCITY RAIN  
RESISTANT WITH BLADES  
FULLY CLOSED AND  
IMPACT RESISTANT LOUVER  
Basic Protection Level D  
See www.AMCA.org for all certified or listed products

This label does not signify  
AMCA airflow performance  
certification.



## RECOMMENDED SPECIFICATION

### GENERAL

Furnish and install where indicated on plans or described in schedules combination drainable stationary and airfoil adjustable blade Louver Type K8206AMD as designed and manufactured by The Airlite Company LLC, Schofield, Wisconsin. Louvers shall be Florida Building Code approved for use in the High Velocity Hurricane Zone and Miami-Dade approved for installations where the enclosed space is designed to drain or otherwise accommodate water penetration (wet rooms). Louvers shall be furnished with bird screen, insect screen, sill pans, 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. For each type of product specified, submit free area, air performance, water penetration and wind-driven rain water penetration ratings determined in accordance with AMCA Standard 500-L and licensed under the AMCA Certified Ratings Program. Include Miami-Dade Notice of Acceptance to demonstrate compliance with applicable code. Provide samples of manufacturer's finish and color charts showing the full range of colors available.

### PRODUCTS

Louvers shall be combination type incorporating both drainable stationary and adjustable blades in a single frame. Louvers shall be Florida Building Code and Miami-Dade Approved. Louvers shall be 6-inches (152 mm) deep and assembled entirely from extruded aluminum. Stationary blades shall be 0.081-inch (2 mm) thick extruded aluminum, alloy 6063-T5. Airfoil adjustable blades shall be 0.081-inch (2 mm) thick extruded aluminum, alloy 6005-T5. Head shall be 0.125-inch (3 mm) thick extruded aluminum, alloy 6063-T5. Sill shall be 0.125-inch (3 mm) thick extruded aluminum, alloy 6005-T5. Jambs shall be 0.188-inch (4.78 mm) thick extruded aluminum, alloy 6005-T5. The stationary

blades, louver head and jamb frames shall incorporate integral gutters to minimize water penetration. Stationary blades shall be positioned at 45-degrees and spaced 4.80-inches (120.65 mm) on center. Airfoil adjustable blades shall be fitted with dual-durometer vinyl blade-edge gaskets and compressible stainless steel jamb seals at each jamb frame to restrict air leakage and water penetration when the adjustable blade is closed. The blade linkage assembly shall be fully-enclosed within the louver jamb frame and isolated from the active airstream.

### STRUCTURAL DESIGN CRITERIA

Louvers shall be certified to comply with the requirements of Miami-Dade protocols TAS-201, TAS-202 and TAS-203 and Miami-Dade approved for building envelope protection for single unit sizes up to 60-inches (152 cm) wide x 120-inches (305 cm) high for wet room protection. Louvers shall be tested for wind forces up to 110 psf. Louvers must be secured to a structural substrate in accordance with Dade County Product Approval Drawings. In addition, the structural substrate must be designed to accommodate the point loads transferred by the louvers when subject to the design wind loads. Structural reinforcing members along with any associated installation hardware is not provided by Airlite unless indicated otherwise by Airlite. Options and are not subject to structural analysis unless indicated otherwise by Airlite.

### PERFORMANCE RATINGS

|  |   |
|--|---|
| <b>FREE AREA:</b>  | 7.27 Square Feet (0.68 m <sup>2</sup> ) |
| <b>MINIMUM FREE AREA VELOCITY at Beginning Point of Water Penetration:</b>   | 1,113 fpm (5.66 m/s)                    |
| <b>MINIMUM AIR VOLUME FLOW RATE at Beginning Point of Water Penetration:</b> | 8,094 cfm (3.82 m <sup>3</sup> /s)      |
| <b>MAXIMUM STATIC PRESSURE at Beginning Point of Water Penetration:</b>      | 0.15 in. H <sub>2</sub> O (0.038 kPa)   |

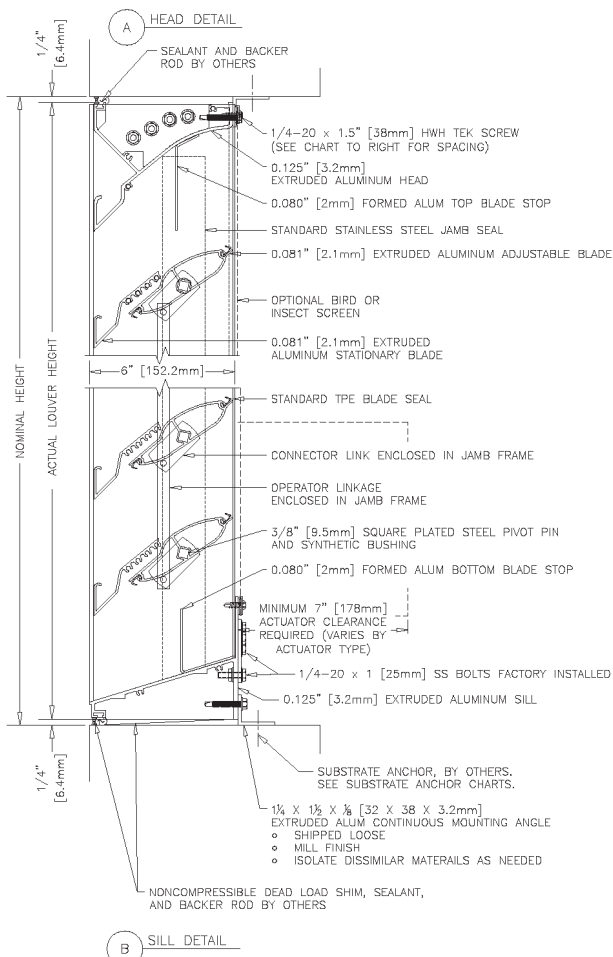
See page 4 for complete finish options

# LOUVER TYPE K8206AMD PRODUCT DESCRIPTION & DETAILS

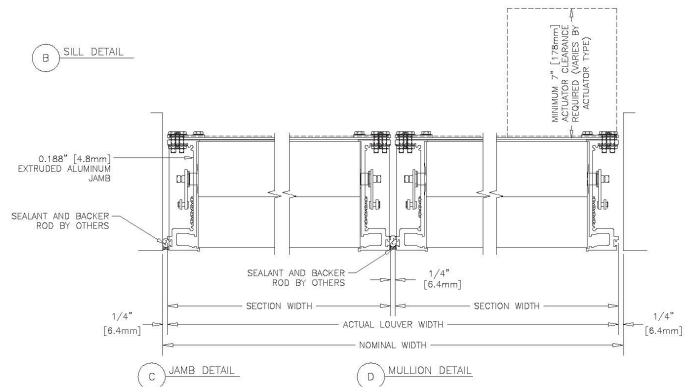
**AIROLITE LOUVER TYPE K8206AMD** is a 6-inch (152.4 mm) deep, combination louver that is Florida Building Code Approved for use in the High Velocity Hurricane Zone and Miami-Dade approved for open building structure envelope protection or installations where the enclosed space is designed to accommodate water infiltration (wet room). This product complies with Dade County protocols TAS-201, Large and Small Missile Impact; TAS-202, Criteria for Testing Impact and Not Impact Resistant Building Envelope Components Using Static Uniform Air Pressure; and, TAS-203, Criteria for Testing Product Subject to Cyclic Wind Pressure. Combination louvers offer constant exterior appearance yet afford optimum control of intake and exhaust airflows through operation of the adjustable blade. When open, the drainable stationary blades provide excellent resistance to water penetration and the highly-efficient airfoil blade yields high volume intake and exhaust ventilation at low static pressure differentials. When closed, dual durometer vinyl blade-edge gaskets and compressible stainless steel jamb seals effectively minimize air leakage and water penetration. Louver Type K8206AMD is an extremely efficient combination louver with AMCA Licensed air performance and water penetration ratings, as well as tested in accordance with AMCA 540 Test Method for Louvers Impacted by Wind Borne Debris and AMCA 550 Test Method for High Velocity Wind Driven Rain Resistant Louvers 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 operator and support systems when required.

## VERTICAL SECTION DETAIL

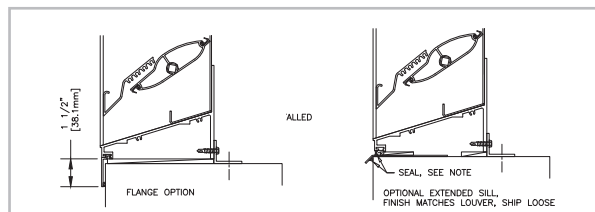
## PLAN SECTION DETAIL



| CONTINUOUS ANGLE TO LOUVER FRAME SCREW |                      |
|--|----------------------|
| LOUVER HEIGHT (IN)                     | MAXIMUM SPACING (IN) |
| >108                                   | 3.75                 |
| ≤108                                   | 4                    |



## ACCESSORY ITEMS



### Minimum Section Size:

12 in. (30 cm) W x 16 in. (41 cm) H

### Maximum Section Size:

60 in. (152 cm) W x 120 in. (305 cm) H

# LOUVER TYPE K8206AMD FASTENER CHART

| CONCRETE OR CMU ANCHORING        |  |          |          |
|----------------------------------|--|----------|----------|
| 1/4" TAPCON SCREW FASTENER TABLE |  |          |          |
| DESCRIPTION                      | 1/4" TAPCON W/ ADVANCED THREADFORM   |          |          |
| SUBSTRATE                        | CONCRETE OR CONCRETE MASONRY (CMU)   |          |          |
| MINIMUM                          | CONCRETE: 3 KSI ACI 301 CONCRETE CMU: ASTM C90, 3 KSI GROUT FILLED, LIGHT-WEIGHT ≥ 95 PCF, MEDIUM-WEIGHT ≥ 117 PCF |          |          |
| EDGE DISTANCE <MIN>              | 1 IN   | 1 1/2 IN | 2 1/2 IN |
| SLAB/BLOCK CORNER DISTANCE <MIN> | 1 IN   | 1 1/2 IN | 2 1/2 IN |
| PENETRATION <MIN>                | 1 3/4 IN   |          |          |
| LOUVER HEIGHT <IN>               | SPACING <IN>   |          |          |
| ≤120                             | 4  | 4        | 6        |
| ≤84                              |  | 6        |          |
| ≤72                              | 6  |          |          |

| CONCRETE OR CMU ANCHORING             |                         |      |   |             |
|---------------------------------------|-------------------------|------|---|-------------|
| 3/8" POWERS WEDGE BOLT FASTENER TABLE |                         |      |   |             |
| DESCRIPTION                           | 3/8" POWERS WEDGE BOLT  |      |   |             |
| SUBSTRATE                             | NORMAL WEIGHT CONCRETE  |      | CONCRETE MASONRY (CMU)  |             |
| MINIMUM                               | 2.5 KSI                 |      | 6" WIDE, GRADE N, TYPE II,<br>LIGHT/MEDIUM/NORMAL WEIGHT<br>CMU CONFORMING TO ASTM C90, 1.5<br>KSI GROUT FILLED |             |
| EDGE DISTANCE <MIN>                   | 2 IN                    | 3 IN | 1 1/2 IN  | 2 IN        |
| SLAB/BLOCK CORNER DISTANCE <MIN>      | 2 IN                    | 3 IN | 1 1/2 IN  | 2 IN        |
| PENETRATION <MIN>                     | 2 1/8 IN                |      | 2 1/2 IN  |             |
| ANCHOR ANGLE END DISTANCE <MIN>       | <= <ANCHOR SPACING>/2+3 |      | <= <ANCHOR SPACING>/2+3   |             |
| LOUVER HEIGHT <IN>                    | SPACING <IN>            |      | SPACING <IN>  |             |
| ≤120                                  | 6                       | 8    | NOT ALLOWED   | NOT ALLOWED |
| ≤96                                   | 8                       |      | NOT ALLOWED   | 6           |
| ≤72                                   |                         |      |   | 6           |
| ≤48                                   |                         |      |   | 8           |

| WOOD, STEEL OR ALUMINUM ANCHORING             |                |                |                             |                    |                 |
|---|----------------|----------------|-----------------------------|--------------------|-----------------|
| LAG SCREW, SCREW, & BOLT W/NUT FASTENER TABLE |                |                |                             |                    |                 |
| DESCRIPTION                                   | 1/4" LAG SCREW | 3/8" LAG SCREW | 1/4"-20 SCREW OR BOLT W/NUT |                    |                 |
| SUBSTRATE                                     | WOOD           |                | STEEL                       | ALUMINUM           |                 |
| MINIMUM                                       | G ≥ 0.42       |                | A36 STEEL OR Fy≥36 KSI      | STRESSES ≥ 6063-T5 |                 |
| EDGE DISTANCE <MIN>                           | 1 IN           | 1 1/2 IN       | 1/2 IN                      | 1/2 IN             |                 |
| CORNER DISTANCE <MIN>                         | 1 IN           | 1 1/2 IN       | 1/2 IN                      | 1/2 IN             |                 |
| PENETRATION* <MIN>                            | 2 3/4 IN       |                | 16 GA <0.06 IN>             | 3/16 IN            | 16 GA <0.06 IN> |
| LOUVER HEIGHT <IN>                            | SPACING <IN>   |                | SPACING <IN>                |                    | SPACING <IN>    |
| ≤120  | 4              | 6              | 4                           | 6                  | 4               |
| ≤96   |                | 8              | 6                           |                    | 6               |
| ≤84   |                |                |                             |                    |                 |
| ≤72   | 6              |                |                             |                    | 6               |

\* PENETRATION IS EQUAL TO OVERALL FASTENER LENGTH FOR CONCRETE/CMU FASTENERS IF SHIMS ARE USED, FASTENER LENGTH MUST BE INCREASED BY THICKNESS OF SHIMS

# LOUVER TYPE K8206AMD PERFORMANCE RATINGS

## FREE AREA CHART - in square feet

| Louver Height<br>Inches | Louver Width in Inches |      |      |       |       |       |             |       |       |
|-------------------------|------------------------|------|------|-------|-------|-------|-------------|-------|-------|
|                         | 12                     | 18   | 24   | 30    | 36    | 42    | 48          | 54    | 60    |
| 16                      | 0.16                   | 0.28 | 0.40 | 0.52  | 0.64  | 0.75  | 0.87        | 0.99  | 1.11  |
| 18                      | 0.29                   | 0.51 | 0.73 | 0.95  | 1.17  | 1.39  | 1.61        | 1.83  | 2.05  |
| 24                      | 0.49                   | 0.86 | 1.23 | 1.60  | 1.96  | 2.33  | 2.70        | 3.07  | 3.44  |
| 30                      | 0.66                   | 1.15 | 1.64 | 2.14  | 2.63  | 3.12  | 3.62        | 4.11  | 4.60  |
| 36                      | 0.82                   | 1.44 | 2.06 | 2.68  | 3.29  | 3.91  | 4.53        | 5.15  | 5.76  |
| 42                      | 1.12                   | 1.97 | 2.81 | 3.65  | 4.49  | 5.34  | 6.18        | 7.02  | 7.87  |
| 48                      | 1.32                   | 2.31 | 3.31 | 4.30  | 5.29  | 6.28  | <b>7.27</b> | 8.26  | 9.25  |
| 54                      | 1.49                   | 2.60 | 3.72 | 4.84  | 5.95  | 7.07  | 8.19        | 9.30  | 10.42 |
| 60                      | 1.65                   | 2.90 | 4.14 | 5.38  | 6.62  | 7.86  | 9.10        | 10.34 | 11.58 |
| 66                      | 1.95                   | 3.42 | 4.89 | 6.35  | 7.82  | 9.28  | 10.75       | 12.22 | 13.68 |
| 72                      | 2.15                   | 3.77 | 5.38 | 7.00  | 8.61  | 10.23 | 11.84       | 13.46 | 15.07 |
| 78                      | 2.32                   | 4.06 | 5.80 | 7.54  | 9.28  | 11.02 | 12.75       | 14.49 | 16.23 |
| 84                      | 2.49                   | 4.35 | 6.21 | 8.08  | 9.94  | 11.80 | 13.67       | 15.53 | 17.40 |
| 90                      | 2.79                   | 4.87 | 6.96 | 9.05  | 11.14 | 13.23 | 15.32       | 17.41 | 19.50 |
| 96                      | 2.98                   | 5.22 | 7.46 | 9.70  | 11.94 | 14.17 | 16.41       | 18.65 | 20.89 |
| 102                     | 3.15                   | 5.51 | 7.87 | 10.24 | 12.60 | 14.96 | 17.32       | 19.69 | 22.05 |
| 108                     | 3.32                   | 5.80 | 8.29 | 10.78 | 13.26 | 15.75 | 18.24       | 20.73 | 23.21 |
| 114                     | 3.62                   | 6.33 | 9.04 | 11.75 | 14.46 | 17.18 | 19.89       | 22.60 | 25.31 |
| 120                     | 3.81                   | 6.68 | 9.54 | 12.40 | 15.26 | 18.12 | 20.98       | 23.84 | 26.70 |



The Alrolite Company LLC certifies that the K8206AMD louvers shown herein 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 and water penetration ratings.



**HIGH VELOCITY RAIN  
RESISTANT WITH BLADES  
FULLY CLOSED AND  
IMPACT RESISTANT LOUVER**  
*Basic Protection Level D*

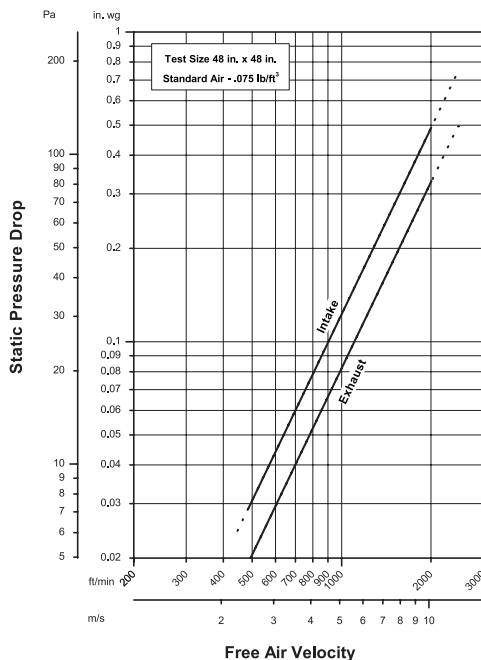
See [www.AMCA.org](http://www.AMCA.org) for all certified or listed products

This label does not signify  
AMCA airflow performance  
certification.

The Alrolite Company LLC certifies that the K8206AMD louvers shown herein are approved to bear the AMCA Listing Label. The Ratings shown are based on tests and procedures performed in accordance with AMCA Publications and comply with the requirements of the AMCA Listing Label Program. The AMCA Listing Label applies to Wind Borne Debris Impact Resistant Louvers and High Velocity Wind Driven Rain Resistant Louvers.

## AIRFLOW RESISTANCE

(Standard Air - .075 lb./ft.<sup>3</sup>)

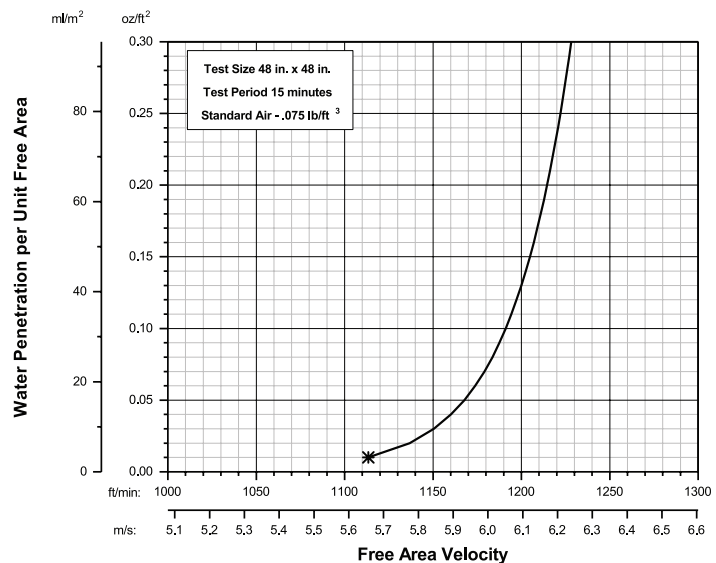


Louver Type K8206AMD resistance to airflow is shown with louver blades fully open. Resistance (pressure drop) varies depending on louver application (air intake or air exhaust). Free area velocities (shown) are higher than average velocity through the overall louver size.

(Test Figure 5.5)

## WATER PENETRATION

(Standard Air - .075 lb./ft.<sup>3</sup>)

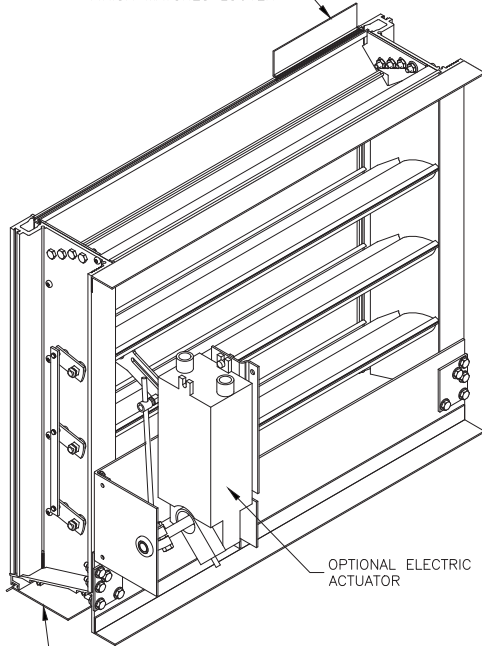


The AMCA Water Penetration Test provides a method for comparing various louver models and designs as to their efficiency in resisting the penetration of rainfall under specific laboratory test conditions. The point of zero water penetration is defined as that velocity where the water penetration curve projects through .01 oz. of water (penetration) per sq. ft. of louver free area. **\*The beginning point of water penetration for Louver Type K8206AMD is 1113 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 K8206AMD

## METHOD OF INSTALLATION & ACCESSORY OPTIONS

OPTIONAL 1 1/2" [38mm] ALUMINUM PERIMETER FLANGE, FACTORY ATTACHED, FINISH MATCHES LOUVER

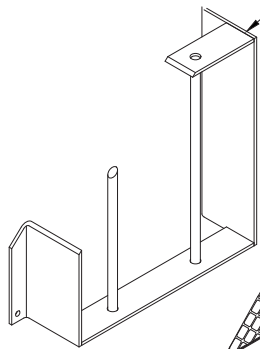


OPTIONAL ALUMINUM EXTENDED SILL, FINISH MATCHES LOUVER, SHIP LOOSE

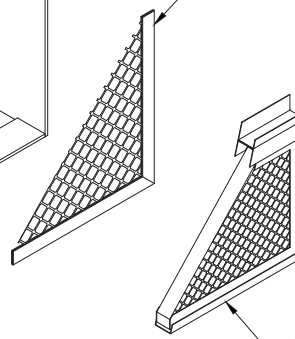
OPTIONAL ELECTRIC ACTUATOR

OPTIONAL NEMA HOUSING

OPTIONAL SECURITY BARS

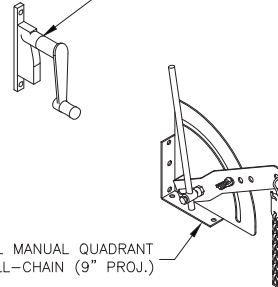


OPTIONAL BIRD OR INSECT SCREEN IN REMOVABLE ALUMINUM FRAME



OPTIONAL ALUMINUM FILTER RACK AND FILTER(S)

OPTIONAL ROTO CRANK



OPTIONAL MANUAL QUADRANT W/PULL-CHAIN (9" PROJ.)

### FINISHES

| Finish Type   | Description/Application  | Color Selection   | Standard Warranty (Aluminum)    |
|---|--|---|---------------------------------|
| <b>AAMA 2605</b><br>100% Fluoropolymer (FEVE)<br>2-Coat 70% Kynar® (PVDF)<br>3-Coat 70% Kynar® (PVDF)<br>4-Coat 70% Kynar® (PVDF) | <b>"Best."</b> The premier finish for extruded aluminum. Tough, long-lasting coating has superior color retention and abrasive properties. Resists chalking, fading, chemical abrasion and weathering. | <b>Standard Colors:</b><br>Any of the 27 standard colors shown can be furnished in 70% or 50% Kynar®, 100% Fluoropolymer or Baked Enamel.<br><b>Mica Colors:</b><br>Airlite offers 6 standard Mica colors for 70% Kynar® or 100% Fluoropolymer.<br><b>Custom Colors:</b><br>Custom color matching is available. Consult your Airlite representative for cost and/or lead-time implications if a custom color is required. | 10 Years<br>(20 Years Optional) |
| <b>AAMA 2603</b><br>Baked Enamel  | <b>"Good."</b> Provides good adhesion and resistance to weathering, corrosion and chemical stain.  |   | 1 Year                          |
| <b>AA-M10C22A42</b><br>Integral Color Anodize   | <b>"Two-step"</b> anodizing is produced by following the normal anodizing step with a second, colorfast process.   | Light, Medium, Dark or Extra Dark Bronze; Champagne; Black  | 5 years                         |
| <b>AA-M10C22A41</b><br>Clear Anodize 215 R-1  | Clear, colorless and hard oxide aluminum coating that resists weathering and chemical attack.  | Clear   | 5 years                         |
| <b>AA-M10C22A31</b><br>Clear Anodize 204  | Clear, colorless and hard oxide aluminum coating that resists weathering and chemical attack.  | Clear   | 1 Year                          |
| <b>Prime Coat</b>   | Louvers or architectural products shall be cleaned, pre-treated and receive a prime coat finish suitable for field painting. Airlite does not recommend prime coat or field painting of materials.     |   | n/a                             |
| <b>Mill</b>   | Materials may be supplied in natural aluminum or galvanized steel finish when normal weathering is acceptable and there is no concern for color or color change.                                       |   | n/a                             |

Finishes meet or exceed AAMA 2605, AAMA 2604, and AAMA 2603 requirements. Please consult [www.airlite.com](http://www.airlite.com) for complete information on standard and extended paint warranties. Paint finish warranties are not applicable to steel products.

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



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Submittal K8206AMD July 2021  
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