

Suggested Specifications

Price Non-Drainable Louver (4" Deep, 39° Blade)

Division 08 – Openings

Section 08 91 19 – Fixed Louvers

The following specification is for a defined application. Price would be pleased to assist in developing a specification for your specific need.

PART 1 – GENERAL

1.01 Section includes:

- A. Stationary Louvers.

1.02 Reference Standards

- A. All referenced standards and recommended practices in this section pertain to the most recent publication thereof, including all addenda and errata.
- B. AAMA 611 – Voluntary Specification for Anodized Architectural Aluminum
- C. AAMA 2603 – Voluntary Specification, Performance Requirements and Test Procedures For Pigmented Organic Coatings on Aluminum Extrusions and Panels
- D. AAMA 2605 – Voluntary Specification, Performance Requirements and Test Procedures For Superior Performing Pigmented Organic Coatings on Aluminum Extrusions and Panels
- E. AMCA 500L – Laboratory Methods for Testing Louvers for Rating
- F. ASTM D7091 (formerly ASTM D1400) – Standard Practice for Nondestructive Measurement of Dry Film Thickness of Nonmagnetic Coatings Applied to Ferrous Metals and Nonmagnetic, Nonconductive Coatings Applied to Non-Ferrous Metals

1.03 Submittals

- A. Product Data: Provide data indicating configuration, general assembly, and materials used in fabrication. Include catalog performance ratings.
- B. Shop Drawings: Indicate configuration, general assembly, and materials used in fabrication.
- C. Project Record Documents: Record actual locations of units and control components.
- D. Operation and Maintenance Data: Include manufacturer's descriptive literature, operating instructions (if applicable), and maintenance and repair data (if applicable).
- E. Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.

1.04 Quality Assurance

- A. Manufacturer Qualifications: Company specializing in manufacturing the type of products specified in this section, with minimum ten years of documented experience.

1.05 Warranty

- A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.
- B. Provide 12 month manufacturer warranty from date of shipment of louvers.

PART 2 – PRODUCTS

2.01 Stationary Louver

- A. Basis of Design: Price Industries, Inc.
 - 1. Non-Drainable Louver
- B. Description:
 - 1. Furnish and install Price Model ZE439 Non-Drainable Louver of size and shape indicated on the plans and/or as described in schedules.
 - 2. Louver performance shall be based on tests and procedures in accordance with AMCA publication 500-L.
- C. Construction:
 - 1. Louvers shall be constructed of 6063-T5 alloy extruded aluminum.
 - 2. Louver blades and frames shall be minimum 0.081 inch wall thickness. Louver assemblies shall be 4 inches deep with 39-degree stationary non-drainable blades. Louvers shall be welded construction.
 - 3. Louvers shall be designed to withstand a 25 pound per square foot wind load.
 - 4. Louvers shall be fitted with 1/2 inch x 0.051 inch flattened expanded aluminum bird screen. Bird screen shall be mounted on interior louver face.
 - 5. Louvers shall be supplied with a standard mill finish.

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D. Options:

1. Screen (**select one**):
 - a. Louvers shall be fitted with 1/2 inch x 0.051 inch flattened expanded aluminum bird screen. Bird screen shall be permanently secured to a formed aluminum frame and mounted on interior louver face.
 - b. Louvers shall be fitted with 18 x 16 square per inch, plain weave 0.011 inch diameter aluminum insect screen permanently secured to a formed aluminum frame and mounted on interior louver face.
2. Construction features (**select all required**):
 - a. Louvers shall be supplied with a 1.5 inch [0.5 inch, 1.0 inch, 2.0 inch, 2.5 inch, 3.0 inch, 3.5 inch, 4.0 inch] flanged frame.
 - b. Louvers shall be supplied with a continuous blade appearance and concealed mullions.
 - c. Each louver shall be fitted with [1 inch, 2 inch, 3 inch, 4 inch insulated] or [a non-insulated] aluminum blank-off panel.
3. Finish (**select one**):
 - a. Thermosetting acrylic based resin coating for standard duty architectural applications:
 - i. Louvers shall be factory finished-after-assembly with a thermosetting acrylic based resin coating. Resin coating shall be oven cured in accordance with the coating manufacturer's instructions.
 - ii. The coating system shall have a minimum dry film thickness of 0.8 mil in accordance with ASTM D7091.
 - iii. The coating system product shall meet salt spray and hardness specifications of AAMA 2603.
 - b. Cured fluoropolymer based resin coating for weather protection in architectural applications:
 - i. Louvers shall be factory primed and finished-after-assembly with a fluoropolymer based resin coating. Primer and resin coating shall be oven cured in accordance with the coating manufacturer's instructions.
 - ii. The coating system shall have a minimum dry film thickness of 0.25 mil primer and 1.0 mil colour coat in accordance with ASTM D7091.
 - iii. The coating system product shall meet salt spray and hardness specifications of AAMA 2605.
 - c. Cured fluoropolymer based resin coating (Kynar 500) for corrosive architectural applications:
 - i. Louvers shall be factory primed and finished-after-assembly with a fluoropolymer based resin coating and clear topcoat. Primer, resin and topcoat coating shall be oven cured in accordance with the coating manufacturer's instructions.
 - ii. The coating system shall have a minimum dry film thickness of 0.25 mil primer, 1.0 mil colour coat and 0.6 mil clear topcoat in accordance with ASTM D7091.
 - iii. The coating system product shall meet salt spray and hardness specifications of AAMA 2605.
 - d. Colour Anodized Coating – Anodized finish type 1:
 - i. Louvers shall receive an anodized colour finish [Light Bronze, Medium Bronze, Dark Bronze, Black] in accordance with AAMA 611. The finish shall be applied to chemically etched and pretreated aluminum with a minimum thickness of 0.4 – 0.7 mils.
 - e. Clear Anodized Coating – Anodized finish type 2:
 - i. Louvers shall receive a clear anodized finish in accordance with AAMA 611. The finish shall be applied to chemically etched and pretreated aluminum with a minimum thickness of 0.4 - 0.7 mils.

PART 3 – EXECUTION

3.01 Examination

- A. Verify that conditions are suitable for installation.
- B. Verify that field measurements are as shown on the drawings.

3.02 Installation

- A. Install in accordance with manufacturer's instructions.
- B. See drawings for the size(s) and locations of louvers.