

**SECTION 08 91 00
LOUVERS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Louvers, frames, and accessories.

1.02 RELATED REQUIREMENTS

- A. Section 07 25 00 - Weather Barriers: Sealing frames to water-resistive barrier installed on adjacent construction.
- B. Section 07 62 00 - Sheet Metal Flashing and Trim.
- C. Section 07 92 00 - Joint Sealants: Sealing joints between frames and adjacent construction.
- D. Section 08 92 00 - Louvered Equipment Enclosures.
- E. Section 09 91 13 - Exterior Painting: Field painting.

1.03 REFERENCE STANDARDS

- A. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix) 2022.
- B. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process 2023.

1.04 SUBMITTALS

- A. Shop Drawings: Indicate louver layout plan and elevations, opening and clearance dimensions, and tolerances; head, jamb and sill details; blade configuration, screens, blank-off areas required, and frames.
- B. Samples: Submit two samples 2 by 2 inches in size illustrating finish and color of exterior and interior surfaces.
- C. Test Reports: Independent agency reports showing compliance with specified performance criteria.
- D. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products of the type specified in this section, with minimum three years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of type specified and with at least three years of documented experience.
- C. Design Criteria: Structural supports for louvers and vents shall be designed by the manufacture to withstand positive and negative wind load of 30 pounds minimum per square foot.

1.06 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.
- B. Provide five-year manufacturer's warranty against distortion, metal degradation, and connection failures of louver components.
 - 1. Finish: Include twenty-year coverage against degradation of exterior finish.

PART 2 PRODUCTS

2.01 MANUFACTURERS

1. Airline Louvers.
2. Or Approved Equal.

2.02 LOUVERS

1. Type: Stationary Drainable Blade Steel Louver
2. Frame Type and Depth: Channel, 4" Deep.
3. Frame Material: 18-gauge Galvanized Steel.
4. Blade Material: 18-gauge Galvanized Steel.
5. Blade Type and Angle: Drainable, 45 degrees.
6. Blade Orientation: Horizontal.
7. Color and Finish: To be Selected by the Architect.

2.03 ACCESSORIES

- A. Bird Screen: Interwoven wire mesh of steel, 14-gauge, 0.0641-inch diameter wire, 1/2-inch open weave, diagonal design.
- B. Fasteners and Anchors: Galvanized steel.
- C. Flashings: Of same material as louver frame, formed to required shape, single length in one piece per location.
- D. Head and Sill Flashings: See Section 07 62 00.
- E. Sealant for Setting Sills and Sill Flashing: Non-curing butyl type.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that prepared openings and flashings are ready to receive this work and opening dimensions are as indicated on shop drawings.

3.02 INSTALLATION

- A. Install louver assembly in accordance with manufacturer's instructions.
- B. Coordinate with installation of flashings by others.
- C. Install louvers level and plumb.
- D. Set sill members and sill flashing in continuous bead of sealant.
- E. Align louver assembly to ensure moisture shed from flashings and diversion of moisture to exterior.
- F. Secure louver frames in openings with concealed fasteners.

3.03 CLEANING

- A. Strip protective finish coverings.
- B. Clean surfaces and components.

-END OF SECTION-