

## SECTION 08 91 00

### LOUVERS

#### PART 1 GENERAL

##### 1.01 RELATED DOCUMENTS

- A. Section includes:
  - 1. Pre-finished aluminum exterior wall louvers.
  - 2. Pre-finished aluminum exterior screen louvers.
- B. Related work specified in other sections:
  - 1. Flashings – Section 07 62 00.
  - 2. Caulking and sealants – Section 07 92 00.
  - 3. Mechanical connections to louvers – Division 23.

#### PART 2 PRODUCTS

##### 2.01 LOUVERS

- A. Manufacturer: Products by Industrial Louvers, Inc., [www.industriallouvers.com](http://www.industriallouvers.com), 763-972-2981 are specified. Other manufacturers noted subject to conformance with specification are acceptable: Airline Products The Airolite Co., Co., All-Lite Architectural Products, American Warming and Ventilating, Arrow United Industries, Cesco Products, Commercial Air Products, Construction Specialties, Inc., Ruskin Manufacturing Co., Safe-air/Dowco.

##### 2.02 WALL LOUVERS

- A. Model: 458XP
  - 1. Frame:
    - a. Frame Depth: 4 inches.
    - b. Material: Extruded aluminum, 6063-T6
    - c. Wall Thickness: 0.081 inch, nominal
  - 2. Blades:
    - a. Style: Drainable
    - b. Material: Extruded aluminum, 6063-T6
    - c. Wall Thickness: 0.081 inch, nominal
    - d. Angle: 35/45 degrees
    - e. Centers: 3.875 inches, nominal
  - 3. Performance Data:
    - a. Performance Ratings: Product must be licensed to bear the AMCA Certified Ratings Seal for Water and Air Performance.
      - 1) Based on testing 48 inches by 48 inches size unit in accordance with AMCA 500-L.
    - b. Free Area: 53.4% (8.54 sq.ft)
    - c. Water Penetration: Maximum of .01 ounces at an air flow of 1062.8 FPM
    - d. Static Pressure Loss: Not more than .15 inch of water gauge at an air flow of 854 FPM free area velocity.

4. Louver Accessories:

- a. Exterior Aluminum Sill: Provide sill flashing of same material and finish as louvers where indicated on the drawings.
- b. Louver Screens: Provide framed removable, re-wire-able screens for exterior louvers.
  - 1) Bird Screen:
    - a) Aluminum, 1/2 inch by 0.063 inch expanded, flattened.

**2.03 MATERIALS**

- A. Aluminum Sheet: ASTM B209 Alloy 3003 or 5005 with temper as required for forming, or as otherwise recommended by metal producer to provide required finish.
- B. Aluminum Extrusions: ASTM B221, Alloy 6063.
- C. Fastenings: Provide stainless steel screws and fasteners for aluminum louvers and zinc-coated or stainless steel screws and fasteners for steel louvers. Provide other accessories as required for complete and proper installation.

**PART 3 EXECUTION**

**3.01 MANUFACTURER'S INSTRUCTIONS**

- A. Compliance: Comply with manufacturer's product data, including product technical bulletins, product catalog installation instructions, and product carton instructions for installation.

**3.02 INSTALLATION**

- A. Louver Installation:
  - 1. Louvers shall be installed in accordance with manufacturers approved shop drawings and as shown. Provide all necessary fastenings and anchors required to complete installation.

**END OF SECTION 08 91 00**