

## SECTION 10211

### FIXED METAL WALL LOUVERS

#### PART 1 - GENERAL

##### 1.1 SECTION INCLUDES

- A. Fixed louvers and frames.
- B. Insect screening.

##### 1.2 RELATED SECTIONS

- A. Section 07900 - Joint Sealers.

##### 1.3 SUBMITTALS

- A. Submit under provisions of General Conditions.
- B. Shop Drawings: Indicate louver layout plan and elevations, opening and clearance dimensions, tolerances; head, jamb and sill details; blade configuration, screens, blankout areas required, and frames.
- C. Product Data: Provide data describing design characteristics, maximum recommended air velocity, design free area, materials and finishes.

##### 1.4 QUALITY ASSURANCE

- A. Perform Work in accordance with AMCA Certification for fixed metal louvers.

##### 1.5 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing Products specified in this section with minimum three years experience.

##### 1.6 FIELD MEASUREMENTS

- A. Verify that field measurements are as indicated on shop drawings.

##### 1.7 COORDINATION

- A. Coordinate work under provisions of General Conditions.
- B. Coordinate the Work with installation of masonry flashings.
- C. Coordinate the Work with installation of mechanical ductwork.

## 1.8 WARRANTY

- A. Provide twenty year warranty.
- B. Warranty: Include coverage for degradation of finish.

## **PART 2 - PRODUCTS**

### 2.1 MANUFACTURERS

- A. Airolite Product K609.
- B. Airline Product XB-4.
- C. Reliable Products.
- D. Metal-Aire Louver Co.
- E. American Warming and Ventilating
- F. Construction Specialities, Inc.
- G. Substitutions: Under provisions of General Conditions.

### 2.2 MATERIALS

- A. Aluminum: .081" thick (12 guage) extruded aluminum, alloy 6063-T52. 4" thick, all welded construction, with inside mounted 4/4 mesh screen in folded frame and extruded sill piece as detailed.

### 2.3 ACCESSORIES

- A. Fasteners and Anchors: Galvanized steel type.
- B. Primer: Zinc chromate.
- C. Flashings: See Section 07620.
- D. Sealants: Type specified in Section 07900.

### 2.4 FINISHES

- A. Exterior Aluminum Surfaces, Screen: Anodized to color as selected.

## **PART 3 - EXECUTION**

### **3.1 EXAMINATION**

- A. Verify site conditions under provisions of Section 01039.
- B. Verify that prepared openings and flashings are ready to receive work and opening dimensions are as indicated on shop drawings.

### **3.2 INSTALLATION**

- A. Install louver assembly in accordance with manufacturer's instructions.
- B. Install louvers level and plumb.
- C. Install flashings and align louver assembly to ensure moisture shed from flashings and diversion of moisture to exterior.
- D. Secure louvers in opening framing with concealed fasteners, removable for maintenance purposes.
- E. Install screen and frame to interior of louver.
- F. Install perimeter sealant and backing rod in accordance with Section 07900.
- G. Install sill flashing with end dams - similar to window sill flashings.

### **3.3 ADJUSTING**

- A. Adjust work under provisions of General Conditions.

### **3.4 CLEANING**

- A. Clean work under provisions of 01700.
- B. Strip protective finish coverings.
- C. Clean surfaces and components.

**END OF SECTION**