

DIVISION 10

SPECIALITIES

SECTION 10210

WALL LOUVERS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Louvers, frames, and accessories.

1.02 RELATED SECTIONS

- A. Section 07900 - Joint Sealers.
- B. Section 09900 - Paints and Coatings: Field painting.

1.03 REFERENCES

- A. AMCA 511 - Certified Ratings Program for Air Control Devices; Air Movement and Control Association International, Inc.
- B. ASTM A 653/A 653M - Standard Specification for Steel Sheets, Zinc-Coated (Galvanized) or Zinc Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
- C. Use the latest issue of the above reference standards as of the date of the Project.

1.04 SUBMITTALS

- A. See Section 01300 - Administrative Requirements, for submittal procedures.
- B. Test Reports: Independent agency reports showing compliance with specified performance criteria.
- C. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.

1.05 PROJECT CONDITIONS

- A. Coordinate work of this section with installation of metal siding.

1.06 WARRANTY

- A. See Section 01780 - Closeout Submittals, for additional warranty requirements.
- B. Provide twenty year manufacturer warranty against distortion, metal degradation, and failure of connections.
 - 1. Finish: Include coverage against degradation of exterior finish.

PART 2 PRODUCTS

2.01 LOUVERS

- A. Louvers: Factory fabricated and assembled, complete with frame, mullions, and accessories; AMCA Certified under AMCA 511.
 - 1. Wind Load Resistance: Design to resist positive and negative wind load of 25 psf without damage or permanent deformation.

2. Drainable Blades: Continuous rain stop at front or rear of blade aligned with vertical gutter recessed into both jambs of frame.
 3. Screens: Provide insect screens at intake louvers and bird screens at exhaust louvers.
- B. Stationary Louvers: Horizontal blade, formed galvanized steel sheet construction.
1. Free Area: 50 percent, minimum.
 2. Blades: Straight.
 3. Frame: 4 inches deep, channel profile; corner joints mitered and welded, with continuous recessed caulking channel each side.
 4. Metal Thickness: Frame 0.06 inch; blades 0.06 inch.
 5. Finish: Color anodized; finish welded units finished fabrication.
 6. Color: As selected from manufacturer's standard colors.

2.02 MATERIALS

- A. Steel Sheet: ASTM A 653/A 653M, galvanized to G90/Z275 zinc coating.
- B. Bird Screen: Interwoven wire mesh of steel, 0.063 inch diameter wire, 1/2 inch open weave, diagonal design.
- C. Insect Screen: 18 x 16 size aluminum mesh.

2.03 ACCESSORIES

- A. Screens: Frame of same material as louver, with reinforced corners; removable, screw attached; installed on inside face of louver frame.
- B. Fasteners and Anchors: Galvanized steel.

PART 3 EXECUTION

3.01 EXAMINATION

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

3.02 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 louver frames in openings with exposed fasteners.
- E. Install perimeter sealant and backing rod in accordance with Section 07900.

3.03 CLEANING

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

END OF SECTION