

ARCHITECTURE

SECTION 10200

LOUVERS AND VENTS

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Provide louvers complying with performance requirements indicated as demonstrated by testing according to AMCA 500.
- B. Submittals: Product Data Shop Drawings showing elevations and details including profiles, angles, and spacing of louver blades; free area; and anchorage details and Samples showing the full range of colors available for units with factory-applied color finishes.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Aluminum Extrusions: ASTM B 221, alloy 6063-T5 or T-52.
- B. Aluminum Sheet: ASTM B 209, alloy 3003 or 5005.
- C. Fasteners: Of same basic metal and alloy as fastened metal or 300 Series stainless steel.

2.2 LOUVERS

- A. Horizontal stormproof extruded-aluminum louvers, with drainable fixed blades.
 - 1. Louver Depth: 4 inches.
 - 2. Frame and Blade Thickness: 0.125 inch.
 - 3. Blade Profile: Plain blade with no center baffle.
 - 4. Blade Angle and Spacing: 35 degrees and 3-1/2 inches o.c. for 4-inch- deep louvers.
 - 5. Provide aluminum subsill at all louvers
 - 6. Acceptable manufacturers include:
 - a. Airline Products Co. Div., Danzer Metal Works Co.
 - b. Airolite Co.
 - c. Construction Specialties Inc.
 - d. Greenheck
 - e. Industrial Louvers, Inc.
 - f. Ruskin Manufacturing

2.3 LOUVER SCREENS

- A. On interior face of exterior louvers provide louver screens with non-rewireable frames of same kind and form of metal as louvers.
 - 1. Bird screening made from aluminum or stainless-steel wire at aluminum louvers.

2.4 FINISHES

- A. High-performance organic coating finish, AA-C12C42R1x, on aluminum louvers. Use manufacturer's standard 2-coat fluoropolymer system complying with AAMA 605.2, with finish coats containing at least 70 percent polyvinylidene fluoride resin by weight.
 - 1. Architect to select color from manufacturer's standard colors.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install louvers level, plumb, and at indicated alignment with adjacent work.
- B. Use concealed anchorages where possible.
- C. Protect metal surfaces from corrosion or galvanic action by applying a heavy coating of bituminous paint on surfaces that will be in contact with concrete, masonry, or dissimilar metals.

END OF SECTION 10200