

BuildingName  
The Description of the Project  
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**SPECIFICATION DIVISION 8**

NUMBER            SECTION DESCRIPTION

**DIVISION 08 OPENINGS**

SECTION 089000 - LOUVERS AND VENTS

**END OF CONTENTS TABLE**



**DIVISION 08 OPENINGS**  
**SECTION 089000 - LOUVERS AND VENTS**

*COORDINATE WITH MECHANICAL FOR LOUVER REQUIREMENTS AND LOCATION IN SPECIFICATION. ON SOME PROJECTS, MECHANICAL INCLUDES LOUVERS IN SECTION 233100.*

*THIS SECTION SPECIFIES EXTERIOR LOUVERS. USUALLY SPECIFY DOOR LOUVERS IN APPROPRIATE WOOD OR METAL DOOR SECTIONS. IF DOOR LOUVERS SPECIFIED HERE, INCLUDE APPROPRIATE CROSS REFERENCES IN BOTH DOOR AND LOUVER SECTIONS.*

**PART 1 - GENERAL**

**1.1 SUMMARY**

- A. Extent of louvers is indicated on drawings.
- B. Type of louver is exterior wall mounted, drainable blade louver.

**1.2 QUALITY ASSURANCE**

- A. Standards: Provide units whose ratings have been determined in compliance with AMCA Standard 500. Comply with "Architectural Sheet Metal Manual" recommendations for fabrication, construction and installation procedures.
- B. Field Measurements: Verify size of louver units prior to fabrication.

**1.3 SUBMITTALS**

- A. Product Data: Mfr's literature indicating compliance with requirements.
- B. Samples for Initial Selection: Submit manufacturer's brochure indicating full range of manufacturer's standard finishes.

**PART 2 - PRODUCTS**

*COORDINATE PRODUCT SELECTION WITH M/E.*

**2.1 ACCEPTABLE MANUFACTURERS**

- A. Manufacturer/Model: Ruskin Manufacturing Co./ELF 375D, or (subject to compliance with requirements of this Section) products of one of the following:  
The Airolite Co.  
American Warming and Ventilating Co.  
Construction Specialties, Inc.  
Industrial Louvers, Inc.  
Tuttle and Bailey Co.

**2.2 STATIONARY, DRAINABLE BLADE LOUVER**

- A. Provide units with aluminum extrusions not less than 0.081" thick, and with the following characteristics:
  - 1. Free Area: Not less than 60 percent for 48 inch by 48 inch size.
  - 2. Maximum Static Pressure Loss: 0.08 inch w.g. at 2100 cfm.

**2.3 FABRICATION**

- A. Fabricate frames, including sills to suit adjacent construction and provide mullions at spacing no further apart than recommended by mfr.
- B. Louver Screens: Inside mounted, galvanized steel bird screens, 1/2 inch by 1/2 inch grid, mounted in removable anodized aluminum frame.
- C. Flanges: Provide flanged edges for duct connection.
- D. Metal Finishes: Comply with NAAMM "Metal Finishes Manual" to provide uniformly finished products:
  - 1. Inhibitive thermo-cured primer, 0.2 mil dry film thickness; thermo-cured fluorocarbon coating, 1.0 mil min. dry film thickness; "Kynar 500" based coatings. Color as selected by Architect from mfr's standard colors.

**PART 3 - EXECUTION**

**3.1 INSTALLATION**

- A. Install plumb, level, in proper alignment with adjoining work, and in accordance with mfr's instructions. Use non-ferrous metal or galvanized anchors and inserts. Coat surfaces of aluminum in contact with dissimilar metals, concrete, or masonry with zinc chromate primer or bituminous paint.
  - 1. Provide concealed gasket, flashings and joint fillers as indicated, and as required to make installation weather-tight.
- B. Repair damaged finishes leaving no evidence of corrective work.

**END OF SECTION 089000**