

Part 1 General

1.1 REFERENCES

- .1 American Society for Testing and Materials International (ASTM)
 - .1 ASTM E90-09, Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.
- .2 Sheet Metal and Air Conditioning Contractors' National Association (SMACNA)
- .3 Society of Automotive Engineers (SAE)
- .4 American Architectural Manufacturers Association (AAMA)
 - .1 AAMA 611-12, Voluntary Specification for Anodized Architectural Aluminum
- .5 Air Conditioning and Mechanical Contractors' Association (AMCA)
 - .1 AMCA 511-10 Certified Ratings Program

1.2 SUBMITTALS

- .1 Product Data:
 - .1 Submit manufacturer's printed product literature, specifications and datasheet in accordance with Section E3. Include product characteristics, performance criteria, materials, and limitations.
- .2 Shop Drawings:
 - .1 Submit shop drawings in accordance with Section E3.
 - .2 Indicate following:
 - .1 Pressure drop.
 - .2 Face area.
 - .3 Free area.
- .3 Quality assurance submittals: submit following in accordance with Section E3.
 - .1 Certificates: submit certificates signed by manufacturer certifying that materials comply with specified performance characteristics and physical properties.
 - .2 Instructions: submit manufacturer's installation instructions.
- .4 Test Reports:
 - .1 Submit certified data from independent laboratory substantiating acoustic and aerodynamic performance to ASTM E90 and AMCA 500L.
- .5 Closeout Submittals: Provide operation and maintenance data for incorporation into manual specified in Section E4.

1.3 DELIVERY, STORAGE, AND HANDLING

- .1 Packing, shipping, handling and unloading: Deliver, store and handle materials in accordance with manufacturer's written instructions.

Part 2 Products

2.1 FIXED LOUVRES - ALUMINUM

- .1 Fixed louver shall be drainable.
- .2 Construction: welded with exposed joints ground flush and smooth.
- .3 Material: extruded aluminum alloy 6063-T5.
- .4 Blade: stormproof pattern with centre watershed in blade, reinforcing bosses and maximum blade length of 1500 mm and 2 mm wall thickness
- .5 Frame, head, sill and jamb: 150 mm deep one piece extruded aluminum, minimum 2.06 mm thick with approved caulking slot, integral to unit.
- .6 Mullions: at 1500 mm maximum centres.
- .7 Fastenings: stainless steel SAE-194-8F with SAE-194-SFB nuts and resilient neoprene washers between aluminum and head of bolt, or between nut, ss washer and aluminum body.
- .8 Screen: 13 mm intake mesh, 1.6 mm diameter wire aluminum birdscreen on outside face of louvres in formed U-frame. Suitable for exterior mounting.
- .9 Finish: Shall be standard mill finish. Aluminum to be chemically etched and pretreated to minimum 0.7-1.0 mil. Louvres shall receive Class I anodize finish complying with AAMA 611-98.
- .10 Shall be designed to withstand a 25 psf wind load.
- .11 Acceptable material: Price model DE635, Airolite, Westvent, Ventex

Part 3 Execution

3.1 MANUFACTURER'S INSTRUCTIONS

- .1 Compliance: comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and datasheet.

3.2 INSTALLATION

- .1 In accordance with manufacturer's and SMACNA recommendations.
- .2 Reinforce and brace.
- .3 Anchor securely into opening. Seal with caulking to ensure weather tightness.

END OF SECTION