

## SECTION 233725 - EXTERIOR WALL LOUVERS

## PART 1 - GENERAL

## 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division 00 and Division 01 Specifications Sections, apply to this Section.

## 1.2 SECTION INCLUDES

- A. Extruded aluminum, wind driven rain resistant, stationary louver with horizontally mounted sight proof blades.
- B. Brick vents.

## 1.3 SUBMITTALS

- A. Submit shop drawings indicating materials, construction, dimensions, accessories, and installation details.
- B. Coordinate with Section 08 91 19.

## 1.4 QUALITY ASSURANCE

- A. AMCA Standard 511.

## 1.5 WARRANTY

- A. Manufacturer shall provide standard limited warranty for louver systems for a period of one year from date of installation, no more than 18 months after shipment from manufacturing plant. When notified in writing from the Owner of a manufacturing defect, manufacturer shall promptly correct deficiencies without cost to the Owner.

## PART 2- PRODUCT

## 2.1 MANUFACTURERS

- A. Ruskin Model EME 420 DD
- B. AIROLITE SCH201
- C. Construction Specialties
- D. American Warning

## 2.2 COMPONENTS

- A. Wind Driven Water Penetration Performance:
  - 1. Frame shall be 4" deep, 6063T6 extruded aluminum with .081 nominal wall thickness.

2. Blades shall be 6063T6 extruded aluminum .063" nominal wall thickness. Double drainable blades are sight proof.
  3. Screen shall be 5/8 x .040" expanded flattened aluminum bird screen in removable frame. Screen adds approximately 1/2" to louver depth.
  4. Based on testing 39 inches x 39 inches (1 m x 1 m) core area, 41 inches x 44 inches (1.04 m x 1.12 m) nominal size unit in accordance with AMCA 500-L.
  5. Wind Velocity: 29 mph.
    - a. Rainfall Rate: 3 inches/hour.
    - b. Free Area Velocity: 1190 feet per minute.
    - c. Water Resistance Effectiveness: 99.% (AMCA Class A).
  6. Wind Velocity: 50 mph.
    - a. Rainfall Rate: 8 inches/hour.
    - b. Free Area Velocity: 759 feet per minute.
    - c. Water Resistance Effectiveness: 99.3% (AMCA Class A).
  7. Finish shall be factory applied baked enamel. Color and finish shall be selected by architect from manufacturers standard selections.
- B. Cast Aluminum Brick Vents
1. Ruskin Model BVC100-356 cast aluminum brick vent, 4" deep. Size as scheduled.
  2. 7x7 mesh aluminum insect screen.
  3. Equals by AIROLITE, Construction Specialties, or American Warming.

## PART 3 EXECUTION

### 3.1 INSTALLATION

- A. Louvers and screens to be furnished by the Mechanical Contractor and installed by the General Contractor.

END OF SECTION 233725