

## SECTION 089516 – WALL VENTS

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section includes wall vents.
- B. Related Sections:
  - 1. Section 040120.63 – Brick and Terra Cotta Masonry Repair.
  - 2. Section 040140.61 – Stone Repair.
  - 3. Section 042000 – Unit Masonry.
  - 4. Section 047200 – Cast Stone Masonry.
- C. Reference and Industry Standards
  - 1. The following reference standards shall be applicable to this Section:
    - a. The current Enterprise Green Communities (EGC) Criteria, and the current New York City Overlay.
  - 2. Industry Standards
    - ASTM (American Society for Testing and Materials)
- D. The current NYC Overlay of the current Enterprise Green Communities Criteria:
  - 1. Mandatory Requirements: See the NYC Overlay of the EGC reference standard for full specification.
    - a. All projects must achieve compliance with the mandatory criteria measures that are applicable:
      - Criterion 6.4: Healthier Material Selection
      - Criterion 6.8: Managing Moisture: Foundations
      - Criterion 6.10: Construction Waste Management
  - 2. Optional Project Requirements for Certification Points
    - a. Additionally, rehab projects are required to achieve **55** optional points. Criteria with optional points related to this Specification Section include, but may not be limited to:
      - Criterion 6.1: Ingredient Transparency for Material Health
      - Criterion 6.2: Recycled Content and Ingredient Transparency
      - Criterion 6.4: Healthier Material Selection
      - Criterion 6.5: Environmentally Responsible Material Selection
      - Criterion 6.7: Regional Materials

- Criterion 6.10: Construction Waste Management

1.2 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Samples: For each type of metal finish required.

1.4 INFORMATIONAL SUBMITTALS

- A. Research reports.
- B. Sample warranties.

1.5 WARRANTY

- A. Special Finish Warranty: Manufacturer agrees to repair or replace components on which finishes fail in materials or workmanship within specified warranty period.
  - 1. Warranty Period: Five (5) years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 WALL VENTS (BRICK VENTS)

- A. Extruded-Aluminum Wall Vents:
  - 1. Extruded-aluminum louvers and frames, not less than 0.125-inch nominal thickness, assembled by welding; with 18-by-14-mesh, aluminum insect screening on inside face.
  - 2. Dampers: Aluminum blades and frames mounted on inside of wall vents.
  - 3. Finish: Mill.
- B. Cast-Aluminum Wall Vents:
  - 1. One-piece, cast-aluminum louvers and frames; with 18-by-14-mesh, aluminum insect screening on inside face.
  - 2. Dampers: Aluminum blades and frames mounted on inside of wall vents.
  - 3. Finish: Mill.

2.2 MATERIALS

- A. Aluminum Extrusions: ASTM B221, Alloy 6063-T5, T-52, or T6.

- B. Aluminum Sheet: ASTM B209, Alloy 3003 or 5005 with temper as required for forming, or as otherwise recommended by metal producer for required finish.
- C. Aluminum Castings: ASTM B26, Alloy 319.
- D. Bituminous Paint: Cold-applied asphalt emulsion complying with ASTM D1187.

### PART 3 - EXECUTION

#### 3.1 INSTALLATION

- A. Protect unpainted surfaces that are in contact with concrete, masonry, or dissimilar metals from corrosion and galvanic action by applying a heavy coating of bituminous paint.
- B. Build vents into masonry work as construction progresses; comply with requirements in *Section 042000 – Unit Masonry*.

**END OF SECTION 089516**