

# **American Flagpole & Flag Co.**

## SECTION 10350

### FLAGPOLES

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Aluminum flagpoles.

##### 1.2 REFERENCES

- A. Aluminum Association (AA): Aluminum Finishes.
- B. American Society for Testing and Materials (ASTM):
  - 1. ASTM B 241 - Standard Specification for Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube.
  - 2. ASTM B 597 - Standard Practice for Heat Treatment of Aluminum Alloys.
- C. National Association of Architectural Metal Manufacturers (NAAMM): NAAMM FP 1001 - Guide Specifications for Design of Metal Flagpoles.

##### 1.3 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Installation instructions.
- C. Shop Drawings:
  - 1. Include details of foundation system.

##### 1.4 QUALITY ASSURANCE

- A. Source
  - 1. Obtain each flagpole as a complete unit from American Flagpole & Flag Co., including fittings, accessories, bases, and anchorage devices

##### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Spiral wrap flagpoles with heavy paper and enclose in a hard fiber tube or other protective container.
- B. Store products in manufacturer's unopened packaging until ready for installation.
- C. Keep flagpole and accessories covered and dry to prevent soiling or damage.
- D. Handle with protective gloves to prevent unwanted distortion.

##### 1.6 PROJECT CONDITIONS

- A. Structural Performance: Provide flagpole assemblies, including anchorages and supports, capable of withstanding the effects of wind loads, determined according to NAAMM FP 1001 for specified ground speed.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

- A. Acceptable Manufacturer:
  - 1. American Flagpole & Flag Co.; Lake Elmo, MN 55042. ASD. Toll Free Tel: (800) 426-6235. Fax (651) 777-1925. Email: [info@aflag.com](mailto:info@aflag.com) . Web: [www.aflag.com](http://www.aflag.com).

### 2.2 FLAGPOLES

- A. Aluminum Flagpole Construction
  - 1. Fabricate from seamless, extruded tubing complying with ASTM B 221, alloy 6063-T6, having a tensile strength not less than 30,000 psi with yield point of 25000 psi. Heat treated after fabrication to comply with ASTM B 597, temper T-6
- B. Estate Series: Model EAF20040125
  - 1. External Halyard, ground set, cone-tapered, aluminum flagpole. Including ground sleeve, external halyard system, rope, ball to match flagpole base diameter, cleat, stationary truck, and two nylon snap hooks. Finish exposed metal surfaces to match flagpole.
    - a. Exposed Height: 20ft
    - b. Overall Length: 22ft
    - c. Diameter: 4" base and 2" top
    - d. Wall thickness: .125"
    - e. Wind Speed: 110 MPH flagged, 163 MPH un-flagged
    - f. Mounting Device: PVC Ground Sleeve
- C. Finish:
  - 1. Directional Sanded Satin Finish: Fine, directional, medium satin polish; buff complying with AA-M20; and seal aluminum surfaces with clear, hard-coat wax
    - a. Satin Brushed Aluminum finish
    - b. Clear Anodized finish
    - c. Dark Bronze Anodized finish
    - d. White Powder-coat
    - e. Other

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Do not begin installation until final grades and elevations have been established.
- B. If others determine final base elevation, confirm with Architect before proceeding.

### 3.2 INSTALLATION

- A. Install flagpole where shown on drawings and in accordance with manufacturer's written instructions.

2. Flagpole shall be plumbed with  $\frac{1}{4}$ " for every 10 feet of pole height.

END OF SECTION