

# **Minimum Flagpole Specifications**

## **PART 1 GENERAL**

### 1.1 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.

### 1.2 SUBMITTALS

- A. 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.

### 1.3 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.

### 1.4 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. Must meet minimum wind load requirements for the site in which the units are to be installed.

### 1.5 WARRANTY

- A. The Contractor shall warranty all materials and labor for one year.

## **PART 2 PRODUCTS**

### 2.1 FLAGPOLES

- A. Design:
  - 1. External Halyard: Manually operated halyard. Stainless steel ball-bearing, non-fouling, revolving truck assembly. Finish exposed metal surfaces to match flagpole.
    - Exposed height of American flag: 30ft Exposed height of secondary flags: 27ft
    - Minimum Overall Length: 30ft
    - Diameter: 6"base and 3.5" top
    - Minimum Wall thickness: .188"
    - Wind Speed: Meet current code requirements
    - Mounting Device: Ground Sleeve
    - Ball: 6"-14ga. aluminum spun ball anodized gold

Note: American flag pole shall be positioned to the right of the secondary pole when facing the facility location.
- B. 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

## **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 Engineer before proceeding.

### **3.2 INSTALLATION**

- A. 1. Flagpoles shall be plumb.