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“A Global Flags Unlimited, LLC company”

SECTION 107516

GROUND SET FLAGPOLES

[**Illuminator Architectural External Series**](https://www.flagpolewarehouse.com/resources/architectural-spec-sheets/illuminator-architectural-internal-series)

**IL45 Bronze**

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Aluminum Flagpoles

B. Finial Supported Flag Down Lighting

C. Flags

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 013300.

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. Structural Calculations:

 1. Structural Calculations: Include structural analysis data.

 2. Include details of foundation system.

1.4 QUALITY ASSURANCE

 A. Installer Qualifications:

 1. Five years of experience installing flagpoles of similar height and complexity

 in locale of project.

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1.5 DELIVERY, STORAGE, AND HANDLING

A. Spiral wrap flagpoles with heavy paper and enclose in a hard fiber tube or other protective container for shipping.

B. Protect flagpole and accessories from damage or moisture.

C. 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. The Flagpole Warehouse – A Global Flags Unlimited, LLC company;

 3600 Cantrell Industrial Ct., Acworth, GA 30101.

 ASD. Toll Free Tel: (800) 962-0956. Fax (770) 529-5911.

 Email: flagpoles@flagco.com . Web: [http://www.flagpolewarehouse.com](http://www.flagpolewarehouse.com/) .

1

2.2 FLAGPOLES

A. Illuminator Architectural Series: Model: IL45

1. External Halyard: Manually operated halyard. Ball-bearing, non-fouling, revolving truck assembly. Finish exposed metal surfaces to match flagpole.

a. Exposed Height: 45ft

b. Overall Length: 49ft

c. Diameter: 8” base and 3.5” top

d. Wall thickness: .188”

e. Wind Speed: 100 mph

f. Mounting Device: Ground Sleeve

B. Finish:

1. Bronze Anodized Finish: Architectural Class I integrally colored or electrolytically deposited color coating.

a. Illuminator: Truck finish to match pole.

2.3 FLAGPOLE LIGHT (See Pg. 3)

A. Down-Lit Design *“Flagpole Beacon”*: allows the flag to be illuminated with a one-piece flagpole, finial and light combination.

 Item #: ORN-750032

 FPB-8-359-D-12V

1. LED 4 Watt Bulbs, MR-16.

a. Volts: 12

b. Light Color: Warm White (3000K)

c. Rated: 50,000 hours (Estimated)

2. Revolves full 359 degrees.

3. Transformer: Single Primary 115 VAC (Variable: 100VAC to 240VAC)

4. External Halyard

5. 55’, Electrical wire, 18/3

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.

1. Install down-lit design lighting fixture on top of flagpole.

 a. Disassembling will void warranty.

 2. Flagpole shall be plumb.

3.3 SPECIAL REQUIREMENTS & ACCESSORIES

 1. Examples: Shoe Bases, Double halyards, eagle ornaments, extra snaps and covers, lock boxes, flag arrangements, lightning rods and flags.

 2. To add any items to this spec please notate below or call Global Flags Unlimited, LLC at (800) 962 0956

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END OF SECTION

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