

## Eagle Mountain Flag and Flagpole – StarGazer Flagpole Assembly / Ground Sleeve

### Section 10 75 00

#### FLAGPOLE

##### PART 1- GENERAL

###### 1.1 SUMMARY

- A. Section Includes: Ground Sleeve cone tapered aluminum flagpoles with external / internal halyard system, combination StarGazer LED light/truck assembly, StarGazer remote power supply, pulleys, fittings and accessories as required for complete finished installation

###### 1.2 REFERENCES

- A. American National Standards Institute (ANSI), National Association of Architectural Metal Manufacturers (NAAMM): Metal Flag Pole Manual (FP 1001-07) and/or Eagle Mountain Flag and Flagpole Company Specifications. International Darksky Association (IDA)

###### 1.3 SYSTEM DESCRIPTION

- A. Performance Requirements: Design pole and anchorage system to resist, without permanent deformation, and non-resonant, largest flag intended to be flown in the highest windspeed to which it will be subjected. LED light/truck assembly compatible with flagpole

###### 1.4 SUBMITTALS

- A. Product Data: Submit manufacturer detail specifications
- B. Shop Drawings: Indicate dimensions of pole, anchor requirements, all components and sizes, LED light/truck details, 3 Year Warranty
- C. Samples: Submit pole finish or color

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

- A. Spiral wrap flagpole with protective covering and pack in shipping tubes. Wrapping must be removed at the time of arrival to site. Poles should not be stored outside with wrapping material

##### PART 2 – PRODUCTS

###### 2.1 MANUFACTURER

- A. Eagle Mountain Flag and Flagpoles - StarGazer

###### 2.2 MATERIALS

- A. Eagle Mountain Flag and Flagpole – Stargazer: One or two-piece, cone tapered aluminum flagpoles; conforming to American National Standards Institute (ANSI), National Association of Architectural Metal Manufacturers (NAAMM): Metal Flag Pole Manual (FP 1001-07)

1. Type: Ground Sleeve Mount

2. Nominal Heights Available include: 20', 25', 30', 35', 40', 45', 50', 55', 60'
  3. Butt Diameter: To be determined based on pole height and maximum intended flag size for subjected wind load rating
  4. Wall Thickness: To be determined based on pole height and maximum intended flag size for subjected wind load rating
  5. Positive lightning protection constructed of 7-strand, 1/2" diameter x 6' long aluminum cable and 5/8" diameter x 5' long copper clad rod
- B. Aluminum ASTM B221
1. Finish: Manufacture's standard satin aluminum.
  2. Custom Anodized Finishes: Dark Bronze, Black
  3. Custom Powder Coat Finishes: Bronze Tone, Black, White
- C. Flash Collar – Spun aluminum 1 or 2 piece as required by selected pole style
- D. Ground Sleeve: Direct Burial: Ground Sleeves – Galvanized Corrugated Steel with Steel Lightning Spike, Two-Piece Design
1. Corrugated Steel Ground Sleeves with Steel Lightning Spike are designed for use in Ground Set flagpole installations. 2-piece design contains an upper section manufactured of galvanized 16-gauge corrugated steel tube, a 3/16"-1/2" thick steel base plate, and steel centering wedges welded into the base to assist in plumb installations of the flagpole. The lower section incorporates a threaded top 3/4" diameter steel grounding spike with 6" x 6" steel setting plate, allowing the concrete foundation to completely surround the sleeve
- E. Internal Halyard Rope Based System: with cam cleat and locking raised / flush access door
1. Provide snap hooks
  2. Provide rubber covered counter weight
  3. Provide retainer ring.
- F. Internal Halyard Winch Wire Based System: with cam cleat and locking raised / flush access door
1. Provide snap hooks
  2. Provide rubber covered counter weight
  3. Provide retainer ring.
  4. Provide winch and winch handle
- G. External Halyard Rope Based System
1. Provide snap hooks
  2. Provide Cast Aluminum Cleat
  3. Provide Halyard Security Assembly
- H. LED light/truck assembly – StarGazer LED light/truck furnished as fully assembled unit, 3000 kelvin or as required by local ordinance. Full cutoff optics with International Darksky Association (IDA) certification. Product must have BUG rating B0-U0-G0. Reference Section 26 56 00 for installation of StarGazer remote power supply,
- I. Flag(s) – Provide owner specified flags

## **PART 3- EXECUTION**

### **3.1 PREPARATION**

- A. Install ground sleeve and complete foundation for flagpoles correctly sized and positioned according to Section 03 30 00

### **3.2 INSTALLATION**

- A. Install flagpole, lightning protection, LED StarGazer light/truck low voltage cable assembly with StarGazer remote power supply, and fittings in accordance with manufacturer's recommendations and installation instructions and as indicated on drawings
- B. Install owner specified flag(s)
- C. Check and adjust installed fittings for a smooth operation
- D. Instruct Owner's representative in maintenance and operation.

END OF SECTION 10 75 00