

FLAGPOLE SPECIFICATIONS

SECTION 10350

PART ONE - GENERAL

1:1 Description of Work

- A. Work Included: Provide Flagpoles where shown on Drawing, as specified herein, and as needed for a complete and proper installation.
- B. Related Work: Documents affecting work of this situation include, but are not necessarily limited to, General Conditions, Supplementary Conditions, and sections of Division 1 of these specifications.

1:2 Quality Assurance

- A. Manufacturing Standards: Provide each flagpole as a complete unit provided by a single manufacturer, including fittings, accessories, bases, anchorage devices.
- B. Design Criteria: Provide flagpoles and installations, constructed to withstand a ()mph/ ()kmph wind velocity unflagged.
- C. Pole Construction: Construct pole and ship to site in one piece when possible. If more than one piece is necessary, provide snug fitting precision joints with self-aligning, internal splicing sleeve arrangement for weather-tight, hairline field joints.

1:3 Submittals

- A. Product Data: Submit manufacturer's technical data and installation instructions for each type of flagpole required.

1:4 Delivery, Storage and Handling

- A. Spiral wrap flagpole with protective wrapping, and prepare for shipping in hard fiber tubes or other protective container
- B. Deliver flagpole and accessories completely identified for installation procedure. Handle carefully to avoid soiling or damage, and store flagpoles unwrapped to avoid staining from wrap.

PART TWO - PRODUCTS

2:1 Acceptable Manufacturers

- A. Manufacturer: Subject to compliance with requirements, provide products from

Formenta Flagpoles Inc.
20/ 110 Saunders Road
Barrie, Ontario, Canada, L4N 9A8
Toll free. 1.877.979.9991
Fax. 705.728.0666
www.formenta.com

2:2 Flagpole Type

- A. Fiberglass Flagpoles: Fabricated from fiberglass reinforced polyester resin, with a cone-taper. The flagpole shall be manufactured in a mold to ensure a smooth, high-gloss surface.
- B. Description
 - 1. Exposed Height ()
 - 2. Top Diameter ()
 - 3. Overall Height ()
 - 4. Butt Diameter ()
 - 5. Wall Thickness ()
 - 6. Max. Flag Size ()

2:3 Flagpole Mounting

- A. Ground Mount (Ground Sleeve, EasyTilt™ Base)
- B. Vertical Wall Mount
- C. Angle Wall Mount/ Roof Mount

2:4 Shaft Finish

- A. Fiberglass: Smooth, high-gloss surface, white in color.

2:5 Fittings

- A. See section 2.5 under guide spec. for each flagpole.

PART THREE: EXECUTION

3:1 Installation

- A. Excavation: Excavate for foundation concrete to neat, clean line in undisturbed soil. Provide forms where required due to unstable soil conditions. Remove wood, loose soil, rubbish and other foreign matter from excavation, and moisten earth before placing concrete. Foundation size shall be capable of resisting bending movement due to wind pressure, given the existing soil conditions.
- B. Concrete: Provide concrete composed of Portland cement, coarse aggregate, fine aggregate and water, mixed in proportions to attain 28-day compressive strength of not less than 3000 psi. Place concrete immediately after mixing. Perform chuting to avoid segregation of mix. Moisture-cure exposed concrete for not less than 7-days, or use a non-staining curing compound in freezing weather. Finish trowel exposed concrete surface to smooth, dense surface. Provide a slope for water runoff to base perimeter.
- C. Flagpole Installation: Install flagpole as indicated in compliance with manufacturer's instructions.

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SECTION 10350

Hinge Base Mounting, DROP-IN GUIDE SPECIFICATIONS

2:2 Flagpole Type

- A. Fiberglass Flagpole: Fabricated from fiberglass reinforced polyester resin, with a cone-taper. The flagpole shall be manufactured in a mold to ensure a smooth, high-gloss surface.

2:2A1 Fiberglass Flagpole, External Halyard

2:2A2 Fiberglass Flagpole, Internal Locking Door Halyard

2:3 Flagpole Mounting

- A. Tilt Base: The hinged shoe base shall be made from 12mm steel plate with warm galvanized coating complete with pivotal hinge bolt.
- B. Signature™ flagpoles shall be inserted outside the tilt base casing and joined to the hinged section by a continuous circumferential weld at the outside top and inside bottom of the shoe base. The tilting and anchored sections are permanently joined by a 5" (127)mm. diameter solid aluminum pivot rod. The tilting section of the hinged base is held in vertical position by three 3/4" (20)mm. X 24" (610)mm. anchor bolt sunk Allen-head screws.
- C. Manufacturer's flash collar, finished to () color shall be 14" (356)mm in outside diameter, made of ABS plastic, cold tested and dent/ corrosion resistant.

2:5 Standard Fittings

2:5A - EXTERNAL HALYARD SYSTEM (EH)

- A. Brass Finial to be screwed plum into top of Revolving Truck
- B. 360 degree, Revolving Truck with 3 screws
- C. External Halyard and 2 Nylon Flag Clips
- D. Nylon Cleat with 2 mounting screws
- E. Complete Ground Mounting System
- F. ABS Plastic Flash Collar

2:5B - INTERNAL HALYARD SYSTEM (IC)

- A. Brass Finial to be screwed plum into top of Revolving Truck
- B. 360 degree, Revolving Truck with 3 screws
- C. Internal Halyard
- D. Polyester wire core retaining ring, White Vinyl Covering
- E. Stainless Steel Counterweight, Polyester Coated White
- F. Handhold Door c/w cylinder cam lock and key
- G. Stainless Steel Snap and 2 Nylon Flag Clips
- H. Complete Ground Mounting System
- I. ABS Plastic Flash Collar