



Flagpole Specifications

Section 107500 (103500) - Flagpoles

Vertical Internal Revolving with Winch – Wall Mount Flagpole

PART 1 – GENERAL

1.1 SUMMARY/DESCRIPTION

A. Scope of Section: Provide aluminum flagpole(s) as shown on drawing and as specified herein, with components as needed for a complete installation.

1.2 PERFORMANCE REQUIREMENTS

A. Structural Performance: Provide flagpoles capable of withstanding the effects of wind loads as determined according to NAAMM FP 1001-07, "Guide Specifications for Design of Metal Flagpoles", or to specified wind speed, whichever is more stringent.

B. Flagpole Design: Base design on maximum standard size nylon flag suitable for use with pole or flag size indicated, whichever is more stringent.

1.3 SUBMITTALS

A. Product Data: For each type of flagpole required, submit manufacturer's technical data and standard installation instructions.

B. Shop Drawings: Show general layout, jointing, anchorage, support systems, and accessories.

C. Samples: Finish samples for each finished metal used on flagpoles, as may be required.

1.4 QUALITY ASSURANCE

A. Source: Obtain each flagpole as a complete unit from **Concord American Flagpole**, including fittings, accessories, bases, and anchorage devices.

1.5 DELIVERY, STORAGE, AND HANDLING

A. General: Spiral wrap flagpoles with a heavy Kraft paper or other lightweight wrapping and enclose in a hard fiber tube or other protective means. Store bare flagpoles in a dry location, protected from the weather and moisture, as recommended by the manufacturer.

B. Shipping: Ship to project site in one piece or as specified. If more than one piece is necessary, provide snug fitting precision joints with self-aligning, internal splicing sleeve arrangements for weather tight, hairline field joints.

PART 2 – PRODUCTS

2.1 MANUFACTURER

A. Manufacturer, subject to compliance with requirements, shall be:

Concord American Flagpole

4150 Kellway Circle

Addison, TX 75001

1.800.527.3902 (telephone)

1.800.426.5770 (fax)

<http://www.concordamericanflagpole.com>



2.2 FLAGPOLE TYPE AND CONSTRUCTION

A. Aluminum Flagpole Construction: Fabricate from seamless, extruded tubing complying with ASTM B 221, alloy 6063-T6, having a tensile strength not less than 30,000 psi with a yield point of 25,000 psi. Heat treat after fabrication to comply with ASTM B 597, temper T6.

1. Provide cone-tapered flagpoles, per manufacturer's standard rate of taper.

B. Assembly Construction: Vertical Internal Revolving with Winch - Wire Halyard – Wall Mount.

C. Concord American Flagpole Model #:

See Specification Drawing for Mounting Height, Set Depth, Wall Thickness, Butt Diameter, Shaft Pieces, Maximum Wind Speeds, and Maximum Flag Size Specifications.

2.3 MOUNTING

A. Fabricated aluminum wall mount brackets for thru wall or anchor bolt mounting. Stainless steel socket type cup point set screws will be provided for pole installation in sleeve. Anchorage for brackets to be supplied by installer.

2.4 FITTINGS

A. Finial (Ornament): Finial sized as indicated or, if not indicated, to match pole butt diameter. *See Specification Drawing for Type and Size of Finial Specified.*

B. Internal Revolving Truck Assembly: Cast aluminum revolving truck with sealed stainless steel bearing assemblies, aluminum spindle, cast brass exit bushing and removable hood.

C. Internal Halyard Winch System: Provide one (1) complete internal halyard 1/8" stainless steel wire cable assembly with plastic coated, dual attachment point counterweight and beaded sling assembly. A manually operated mechanical winch having automatic brake system and operated with a removable hand crank will be concealed inside the flagpole behind a reinforced handhole frame and flush access door having a cylinder lock.

D. Halyard Flag Snaps: Provide a complete assembly flag arrangement with two (2) stainless steel swivel flagsnaps with neoprene covers.

2.5 MISCELLANEOUS MATERIALS

A. Concrete: Comply with requirements of Division 3 Section "Cast in Place Concrete".

2.6 FINISHES

A. Metal Finishes, General: Comply with National Association of Architectural Manufacturers' (NAAMM) "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.

B. Finish: *See Specification Drawing for Finish Specification*

C. Finish Specifications (Satin, Anodized, and Powder Paint Finishes): Aluminum Finish designations prefixed by AA conform to the system established by the Aluminum Association for designating aluminum finishes.

- a) Natural Satin Finish: Provide directional-sanded satin finish (AA-M33); buff complying with AA-M20.
- b) Anodized Finishes: Provide Class 1 finish complying with AA M32-C22-A41 (Clear Anodized) or AA M32-C22-A42 (Color Anodized Finishes) in thicknesses ranging from 1 to 3 mils.
 - i) Anodized - Clear (ACL)
 - ii) Anodized - Dark Bronze (ADB)
 - iii) Anodized - Black (ABL)
- c) Powder Coated Finish: Thermo-set Polyester Powder Coated Finish, with a minimum thickness of 1-½ mils. Application shall be in a closed loop automated powder coating system to insure uniformity and quality of finish.
 - i) Powder Paint – Clear (CLR)
 - ii) Powder Paint – Dark Bronze (BZT)
 - iii) Powder Paint – Black (BLK)
 - iv) Powder Paint – White (WHT)
 - v) Powder Paint – Specify (XXX)

PART 3 – EXECUTION

3.1 PREPARATION

A. Examine substrates, areas, and conditions for compliance with requirements for installation tolerances, including accurate placement, pattern, orientation of attaching hardware, and other conditions affecting performance of the installation.

3.2 FLAGPOLE INSTALLATION

A. General: Install flagpoles where shown and according to shop drawings and manufacturer's written instructions.

B. Wall Mount Installation:

Install wall mount bracket(s) (anchorage by installer) in desired location. Slide flagpole shaft into brackets and secure with stainless steel set screws.

3.3 WINCH INSTALLATION:

A. The winch is attached to a platform installed into the bottom of the lower bracket. The flagpole shaft slides through the upper bracket and in to the lower bracket, resting upon an internally welded ring above the winch assembly. Slide flagpole into brackets. Attach the truck and ball to top of flagpole and drop cable down. Remove the mounting screw from base of lower bracket to release the winch. Set cable into the winch and reattach to bracket.