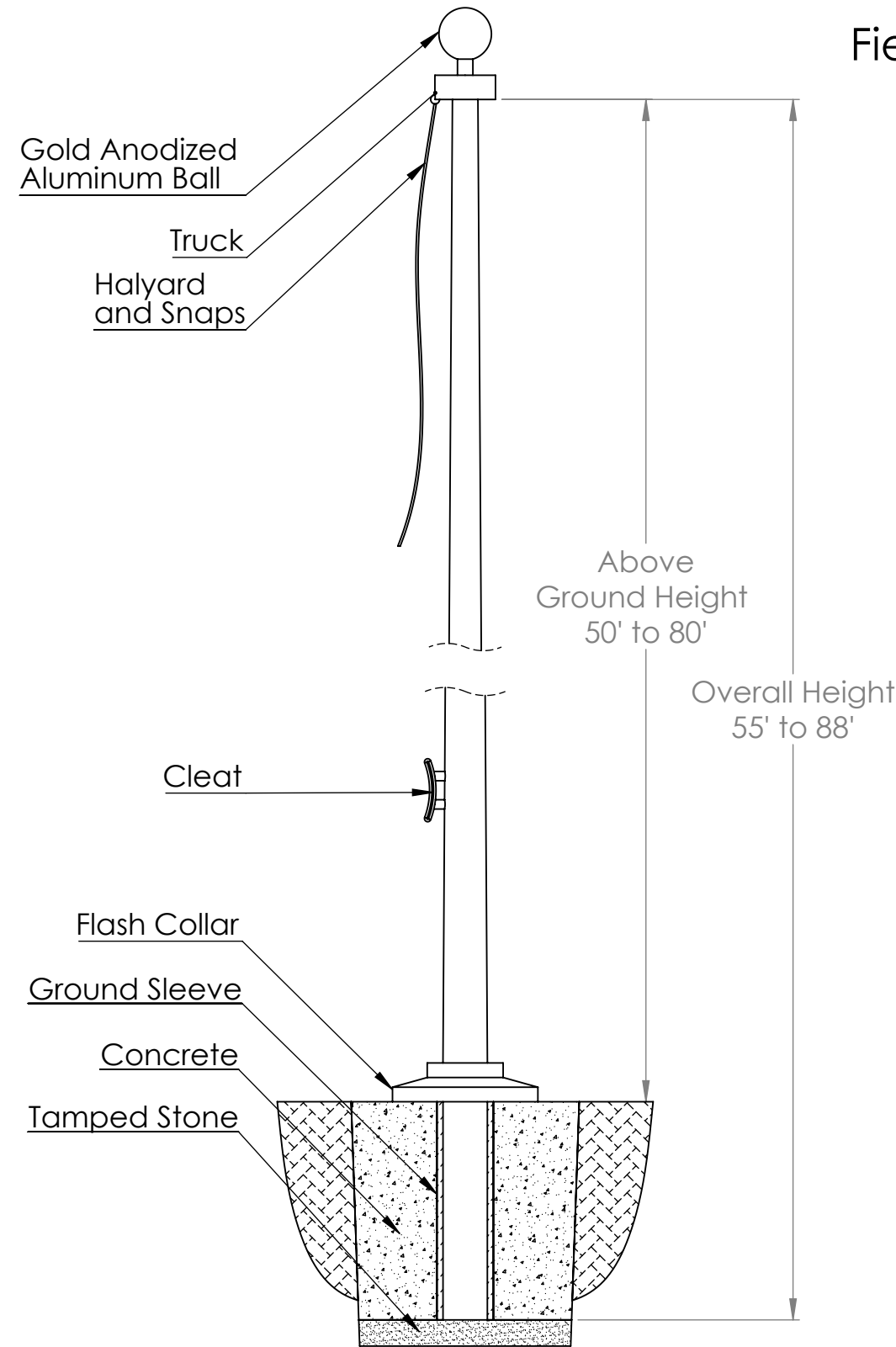
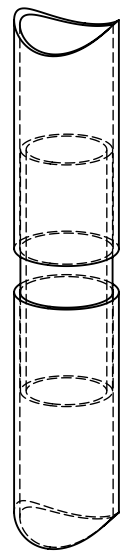


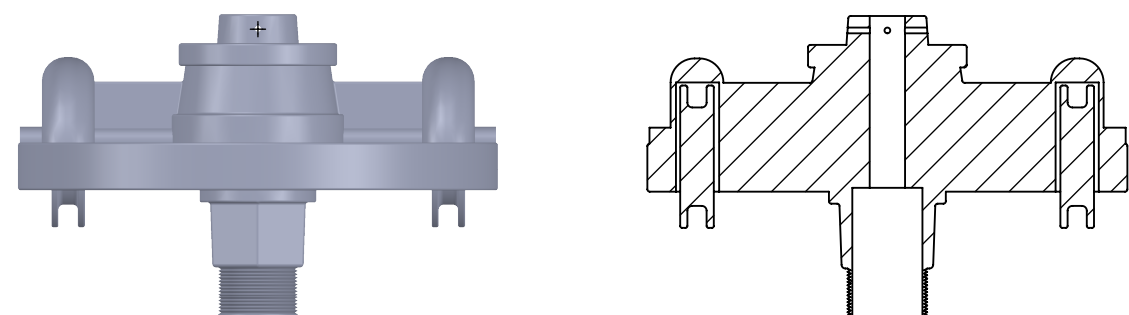
Aeolus Series  
External Ground Set  
50X - 80X



Field Splice Detail  
(not to scale)



Aluminum Revolving  
External Truck



Specifications and Accessories

| Model                 | 50X    | 60X     | 70X     | 80X     |
|-----------------------|--------|---------|---------|---------|
| Above Ground Height   | 50'    | 60'     | 70'     | 80'     |
| Overall Height        | 55'    | 66'     | 77'     | 88'     |
| Butt Diameter         | 10"    | 10.5"   | 16"     | 16.5"   |
| Top Diameter          | 4.5"   | 4.5"    | 7"      | 7"      |
| Pole Weight (lbs)     | 325    | 480     | 807     | 1108    |
| Shipping Weight (lbs) | 559    | 783     | 1336    | 1648    |
| Ground Sleeve I.D.    | 14"    | 14"     | 21"     | 21"     |
| Ground Sleeve Length  | 5'     | 6'      | 7'      | 8'      |
| Cleat                 | 10" AL | 10" AL  | 10" AL  | 10" AL  |
| Ball Diameter         | 10"    | 10"     | 12"     | 12"     |
| Halyard               | #12    | #12     | #12     | #12     |
| Flash Collar          | 23"    | 23"     | 30"     | 30"     |
| Truck                 | AL-Rev | AL-Rev  | AL-Rev  | AL-Rev  |
| Snaps                 | S/S    | S/S     | S/S     | S/S     |
| Standard Flag Size    | 8'X12' | 10'X15' | 12'X18' | 12'X18' |

## Specifications

Provide a Fiberglass Reinforced Composite (FRC) Ground set flagpole Model # **80X** as manufactured by PLP Composites, Fitzwilliam, NH 03447.

The flagpole shall have a mounting height of 80' and 8' below grade for an overall length of 88'.

The butt diameter shall be 16.5" and the top diameter 7". The pole weight shall be approximately 1108 lbs. and a total shipping weight of 1648 lbs.

The flagpole shall be manufactured of fiberglass woven roving and polyester resin with 75% of the reinforcing fibers oriented in the axial plane for maximum stiffness and 25% in the radial plane for required hoop strength. Load calculations shall be based on AASHTO and NAAMM standards with the pole designed with a two to one (2:1) safety factor for 125 mph, unflagged windspeed, with a 1.3 gust factor.

The flagpole shall have an Entasis taper and shall be void of vertical mold seams.

The flagpole shall be sanded smooth and coated with a high gloss Aliphatic Polyurea coating system which provides extended UV protection and weatherability.

**Standard colors include:** White, Black, Bronze, Faux-Luminum, & Metallic Bronze



| Aeolus Series - Model #80X | Standard Fittings:       |                               | Project:  |
|----------------------------|--------------------------|-------------------------------|-----------|
| 80' Above Grade Height     | 12" Gold Anodized Ball   | 160' of #12 Polyester Halyard |           |
| 88' Overall Height         | Aluminum Revolving Truck | 30" Flash Collar              | Location: |
| Top Diameter - 7"          | 1 pair of S/S Snaps      | 10" Aluminum Cleat            |           |
| Butt Diameter - 16.5"      | 1 pair of vinyl covers   | 8'x21" Ground Sleeve          | Date:     |

**PLP Composites**

**57 Creamery Road - PO Box 429, Fitzwilliam, NH 03447 - Phone: 800-262-6075 - [www.plpcomp.com](http://www.plpcomp.com) or [www.zeusflagpoles.com](http://www.zeusflagpoles.com) - [info@plpcomp.com](mailto:info@plpcomp.com)**