STEEL Pole Products

Value.

Durability.

Safety.
SSS
Square Straight Steel Pole
No Arm — 4-Bolt Base

Removable Pole Cap
(Tenon Option Available)

D Top Square

B Wall Gauge
Square Straight Steel Tube
ASTM A500 Grade B Steel

A Mounting Height

Powder Coated, Galvanized or Powder Coated over Galvanized Finish Per Customer Specification.

C Butt Sq.

D Top Sq.

F Bolt Cir. Dia.

G Base Sq.

H Bolt Proj.

I Bolt Size

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>4 (11 Gauge)</td>
<td>4</td>
<td>8 - 9</td>
<td>8</td>
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<td>.75 x 17 x 3</td>
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<tr>
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<td>11 - 13</td>
<td>12.5</td>
<td>4.875</td>
<td>1 x 36 x 4</td>
</tr>
</tbody>
</table>

Dimensions in Inches

Pole
Pole shaft shall be weldable-grade, cold-rolled, commercial quality carbon steel tubing conforming to ASTM A500 Grade B. Options include 11 gauge and 7 gauge. All welds shall conform to AWS D1.2 using ER70S-6 electrodes.

Base Style
4-Bolt Steel Plate Base Flange of fabricated hot rolled carbon steel conforming to ASTM A36 or equivalent (36 ksi minimum yield) with 2-piece Base Cover and attaching hardware.

Anchorage
Anchorage Kit will include four (4) L-shaped Steel Anchor Bolts conforming to AASHTO M314-90 Grade 55. Ten inches (10") of threaded end will be galvanized per ASTM A193. Kits will contain eight (8) Hex Nuts, four (4) Lock Washers, and eight (8) Flat Washers (all components Galvanized Steel). A paper bolt circle template will be provided.

Handhole
Reinforced, 3" x 5" Handhole with cover, stainless steel screw and backbar. A grounding provision incorporating a tapped 1/2"-13NC hole will be provided.

Base Cover
Square ABS plastic Base Covers are standard on all SSS poles specified in BA-Black, BM-Dark Bronze and BH-White. SSS poles specified in all other colors will be manufactured of metal materials. Custom specification of SSS square metal style Base Covers in BA, BM and BH powder coated finishes is available.

Vibration Damper
If determined necessary by Hapco, a top-mount, field installed First Mode Vibration Damper will be provided. Customer specification of the damper is available.

WARNING: Do not install light pole without luminaire.
**Catalog Number System**

The catalog number for Hapco poles utilizes the following identification system.

<table>
<thead>
<tr>
<th>MOUNTING HEIGHT</th>
<th>BUTT SQ.</th>
<th>BASE STYLE</th>
<th>FINISH</th>
<th>GAUL.</th>
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<td>S</td>
<td>S</td>
<td>S</td>
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**Catalog Number Example** -

**SSS 20 D 5 - 4 – BA**
Square Straight Steel, 20' Mounting Height, 7 Gauge, 5" Butt Square, No Taper, 4-Bolt Base, Black Powder Coat Finish.

**EPA Notes:**
Effective Projected Area (EPA) in square feet. EPA's calculated using wind velocity (mph) indicated in accordance with 2009 ASHTO LTS-5 using a 25-year design life. Maximum EPA is based on the luminaire weight shown. Increased luminaire weight may reduce the maximum EPA. If weight is exceeded, or if other design life or code is required, please consult the factory.

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**Mounting Options**

* Includes removable pole cap.

* NOTE: A luminaire drilling template must be supplied at time of order.

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**Tenon Mount**

For Tenon Mount applications specify both Tenon diameter and length.

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**Side Drill Mount**

Includes removable pole cap.

* NOTE: A luminaire drilling template must be supplied at time of order.

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**Drill Mount Options**

- **D190**
- **D290**
- **D218**
- **D390**
- **D490**

**Options Available**

- **24" Up, "A"**
- **24" Up, "B"**
- **24" Up, "C"**
- **24" Up, "D"**
- **36" Up, "A"**
- **36" Up, "B"**
- **36" Up, "C"**
- **36" Up, "D"**
- **Custom**

* Add all that apply (Example: CPL-LAB-VDA)

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**Electrical Box**

- **GF1** Duplex GFI Receptacle with Cover
- **GF2** Duplex GFI with In-Use Cover

**Options Available**

- **GF1** Receptacle Options Available (Specify in Accessories)

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**Powercoat Colors**

- **BA** Black Powder Coat
- **BH** White Powder Coat
- **BM** Dark Bronze Powder Coat
- **BV** Dark Green Powder Coat
- **GC** Gray Powder Coat
- **SC** Special Colors

**Galvanized**

- **GG2** Galvanized Only
- **BG2** Black PC over Galv
- **BGH** White PC over Galv
- **BGD** Gray PC over Galv
- **SCD** Special PC over Galv

* Powder RAL # or Sample Color Chip

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**Outfitting**

- **4-Bolt Base**

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**Accessories/Options**

- **C12** Threaded 1/2" Cooperage**
- **C34** Threaded 3/4" Cooperage**
- **E9** Extra Handhole**
- **GF1** Duplex GFI Receptacle (WR) with Cover
- **GF2** Duplex GFI (WR) with In-Use Cover
- **LAAB** Less Anchor Bolts
- **PAC** Less Pole Cap
- **PAB** Pre-Shipped Anchor Bolt
- **VDA** Vibration Damper

* Add all that apply (Example: CPL-LAB-VDA)
** Specify Height and Orientation

---
RSS Round Straight Steel Pole
No Arm — 4-Bolt Base

Pole
Pole shaft shall be weldable-grade, cold-rolled, commercial quality carbon steel tubing conforming to ASTM A500 Grade B. Options include 11 gauge and 7 gauge. All welds shall conform to AWS D1.2 using ER70S-6 electrodes.

Base Style
4-Bolt Steel Base
Plate of fabricated hot rolled carbon steel conforming to ASTM A36 or equivalent (36 ksi minimum yield) with 2-piece Base Cover and attaching hardware.

Anchorage
Anchorage Kit will include four (4) L-shaped Steel Anchor Bolts conforming to AASHTO M314-90 Grade 55. Ten inches (10") of threaded end will be galvanized per ASTM A153. Kits will contain eight (8) Hex Nuts, four (4) Lock Washers, and eight (8) Flat Washers (all components Galvanized Steel). A paper bolt circle template will be provided.

Handhole
3" Butt Diameter -
Reinforced, 2" x 4" Handhole with cover and stainless steel screws. A grounding provision incorporating a tapped 1/2"-13NC hole will be provided.

4"+ Butt Diameters -
Reinforced, 3" x 5" Handhole with cover, stainless steel screw and backbar. A grounding provision incorporating a tapped 1/2"-13NC hole will be provided.

Base Cover
Round ABS plastic Base Covers are standard in all 11 Gauge RSS poles specified in powder coat finishes BA-Black, BM-Dark Bronze and BH-White.

Square metal powder coated Base Covers are standard in all 11 Gauge RSS poles that are specified in colors other than BA, BM, and BH and in all 7 Gauge poles in ALL COLORS. Custom specification of RSS Square Metal style Base Covers in BA, BM and BH powder coated finishes is available.

Vibration Damper
If determined necessary by Hapco an internal, factory installed, Second Mode Vibration Damper will be provided. Customer specification of the damper is available.

Dimensions in Inches

<table>
<thead>
<tr>
<th>C</th>
<th>D</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
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<tbody>
<tr>
<td>3</td>
<td>3</td>
<td>7.5 - 8.5</td>
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<td>4</td>
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<td>4.5</td>
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<tr>
<td>5 (11 Gauge)</td>
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<td>.75 x 17 x 3</td>
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<td>5 (7 Gauge)</td>
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<td>8 - 9</td>
<td>8.75</td>
<td>4.875</td>
<td>1 x 36 x 4</td>
</tr>
</tbody>
</table>

WARNING: Do not install light pole without luminaire.
RSS ROUND STRAIGHT STEEL POLE

**Pole Orientation**

- **No Arm**
- **Handhole - 0°**
- **Handhole - 90° A**
- **Handhole - 270° C**
- **Handhole - 180° D**

**Catalog Number Example**

RSS 20 B 4 – 4 – BH

Round Straight Steel, 20' Mounting Height, 11 Gauge, 4" Butt Diameter, No Taper, 4-Bolt Base, White Powder Coat Finish.

**EPA Notes**

Effective Projected Area (EPA) in square feet. EPA's calculated using wind velocity (mph) indicated in accordance with 2008 AASHTO LTS-5 using a 25-year design life. Maximum EPA is based on the luminaire weight shown. Increased luminaire weight may reduce the maximum EPA. If weight is exceeded, or if other design life or code is required, please consult the factory.

**Catalog Number System**

The catalog number for Hapco poles utilizes the following identification system.

- **R S S**
- **G F 2**
- **B a s e**
- **F i n i s h**

**Mounting Options**

- **No Drilling**
- **Less Anchor Bolts**

**Tenon Mount**

For Tenon Mount applications specify both Tenon diameter and length.

**Drill Mount Options**

<table>
<thead>
<tr>
<th>BUTT DIA.</th>
<th>MAXIMUM EPA</th>
<th>BUTT GAUGE</th>
<th>GAUGE</th>
<th>WALL DIA.</th>
<th>WEIGHT</th>
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<td>480 4&quot;</td>
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<td>4&quot;</td>
<td>140</td>
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<tr>
<td>30 1/2&quot; x 4&quot;</td>
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<td>10&quot;</td>
<td>4&quot;</td>
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<td>140</td>
</tr>
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<td>10&quot;</td>
<td>4&quot;</td>
<td>140</td>
</tr>
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<td>30 1/2&quot; x 4&quot;</td>
<td>250 4&quot;</td>
<td>11 1/2&quot;</td>
<td>10&quot;</td>
<td>4&quot;</td>
<td>140</td>
</tr>
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<td>140</td>
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<td>10&quot;</td>
<td>4&quot;</td>
<td>140</td>
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<td>30 1/2&quot; x 4&quot;</td>
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<td>10&quot;</td>
<td>4&quot;</td>
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<td>30 1/2&quot; x 4&quot;</td>
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<td>11 1/2&quot;</td>
<td>10&quot;</td>
<td>4&quot;</td>
<td>140</td>
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</tbody>
</table>

**Electrical Box**

- **Duplex GFI Receptacle with Cover**
- **Duplex GFI with In-Use Cover**

**POWDER COAT COLORS**

- **B A** Black Powder Coat
- **B H** White Powder Coat
- **B M** Dark Bronze Powder Coat
- **B V** Dark Green Powder Coat
- **G C** Gray Powder Coat
- **S C** Special Colors*

**GALVANIZED**

- **G O G** Galvanized Only
- **B A G** Black PC Over Galv.
- **B H G** White PC Over Galv.
- **B M G** - Bronze PC over Galv.
- **B V G** - Green PC over Galv.
- **G C G** - Gray PC over Galv.
- **S C G** - Special PC over Galv.*

*Specify Number and Orientation

**DRILL MOUNT**

- **D 0 0 0** - No Drilling
- **D 1 9 0** - Std. "A"
- **D 2 9 0** - Std. "A" & "D"
- **D 3 1 2** - Std. 60°, 180° & 300°
- **D 3 9 0** - Std. "A", "D", & "C"
- **D 4 9 0** - Std. "A", "B", "C", "D", & "D"

**FINISH**

- **C D U S** - Custom

**TENTON**

- **T 2 0 4** - 2-3/8" O.D. x 4"
- **T 3 0 4** - 2-7/8" O.D. x 4"
- **T 3 5 6** - 3-1/2" O.D. x 6"
- **A 4 0 5** - 8" O.D. x 6"

**ACCESSORIES/OPTIONS**

- **G F 1** Duplex GFI Receptacle (WR) with Cover
- **C T U S** Custom Tenon**

*Specify Height and Orientation

**Note: GFI Options must be specified in Accessories.**
RTS

Round Tapered Steel Pole
No Arm — 4-Bolt Base

Removable Pole Cap
(Tenon Option Available)

D Top Diameter

B Wall Thickness
Round Tapered Steel Tube
ASTM A595 Grade A Steel

Handhole

C Butt Diameter

4-Bolt Base
With Cover

Pole

Pole shaft shall be weldable-grade, hot-rolled, commercial quality carbon steel tubing conforming to ASTM A595 Grade A. Options include 11 gauge and 7 gauge. All welds shall conform to AWS D1.2 using ER70S-6 electrodes.

Base Style

4-Bolt Steel Base Plate of fabricated hot rolled carbon steel conforming to ASTM A36 or equivalent (36 ksi minimum yield) with 2-piece Base Cover and attaching hardware. Base Cover will be fabricated from metal materials.

Anchorage

Anchorage Kit will include four (4) L-shaped Steel Anchor Bolts conforming to AASHTO M314-90 Grade 55. Ten inches (10") of threaded end will be galvanized per ASTM A153. Kits will contain eight (8) Hex Nuts, four (4) Lock Washers, and eight (8) Flat Washers (all components Galvanized Steel). A paper bolt circle template will be provided.

Handhole

Up To 5.9” Butt Diameters -
Reinforced, 3” x 5” Handhole with cover, stainless steel screw and backbar. A grounding provision incorporating a tapped 1/2”-13NC hole will be provided.

6”+ But Diameters -
Reinforced, 4” x 6-1/2” Handhole with cover, stainless steel screw and backbar. A grounding provision incorporating a tapped 1/2”-13NC hole will be provided.

Base Cover

Square metal powder coated Base Covers are standard on all RTS poles.

Vibration Damper

If determined necessary by Hapco an internal, factory installed, Second Mode Vibration Damper will be provided. Customer specification of the damper is available.

Powder Coated, Galvanized or Powder Coated over Galvanized Finish Per Customer Specification.

<table>
<thead>
<tr>
<th>C Butt Dia.</th>
<th>F Bolt Cir. Dia.</th>
<th>G Base Sq.</th>
<th>H Bolt Proj.</th>
<th>I Bolt Size</th>
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<td>4.5</td>
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<td>8.0</td>
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<td>1 x 36 x 4</td>
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*Nominal Dimensions in inches

WARNING: Do not install light pole without luminaire.
## Catalog Number System

The catalog number for Hapco poles utilizes the following identification system.

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<th>SHAFT ASSEMBLY</th>
<th>WALL GAUGE</th>
<th>BUTT STYLE</th>
<th>BASE STYLE</th>
<th>FINISH</th>
<th>CATALOG NUMBER</th>
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### EPA Notes:

Effective Projected Area (EPA) in square feet. EPA is calculated using wind velocity (mph) indicated in accordance with 2009 AASHTO LTS-5 using a 25-year design life. Maximum EPA is based on the luminaire weight shown. Increased luminaire weight may reduce the maximum EPA. If weight is exceeded, or if other design life or code is required, please consult the factory.

## 2-Piece Shaft Design

### Mounting Options

**Side Drill Mount**

Includes removable pole cap.

**NOTE:** A luminaire drilling template must be supplied at time of order.

### Drill Mount Options

- D190
- D218
- D390
- D490

### Electrical Box

- Box Only
- Duplex GFI Receptacle with Cover

*Specify Number and Orientation in Accessories.

### Pole Orientation

- D180
- 270°
- 90°

- Handhole - 0°

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### Catalog Number Example

- **RTS 30 B 80 - 4 - BM**
  - Round Tapered Steel, 30' Mounting Height, 11 Gauge, 8" Butt Diameter, Tapered, 4-Bolt Base, Dark Powder Coat Finish.

### Information

- **GAUGE**
- **WALL BUTT**
- **DIA.**
- **BASE STYLE**
- **FINISH**
- **DRILL MOUNT**
- **GALVANIZED**
- **POWDER COAT COLORS**
- **EPA Notes:** Effective Projected Area (EPA) in square feet. EPA is calculated using wind velocity (mph) indicated in accordance with 2009 AASHTO LTS-5 using a 25-year design life. Maximum EPA is based on the luminaire weight shown. Increased luminaire weight may reduce the maximum EPA. If weight is exceeded, or if other design life or code is required, please consult the factory.

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<table>
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<tr>
<th>HEIGHT</th>
<th>GAUGE</th>
<th>BUTT DIA.</th>
<th>TOP DIA.</th>
<th>BASE STYLE</th>
<th>FINISH</th>
<th>DRILL MOUNT</th>
<th>MOUNTING OPTIONS</th>
<th>ELECTRICAL BOX</th>
<th>ACCESSORIES/OPTIONS</th>
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<tbody>
<tr>
<td>10</td>
<td>10</td>
<td>4.5</td>
<td>51</td>
<td>4</td>
<td>4-Bolt Base</td>
<td>D000 - No Drilling</td>
<td>D000 - Std. A'</td>
<td>F00 - 30' Up, 'B'</td>
<td>C12 - Threaded 1/2&quot; Coupling**</td>
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<td>20</td>
<td>20</td>
<td>5.7</td>
<td>56</td>
<td>4</td>
<td>4-Bolt Base</td>
<td>D218 - Std. &quot;A&quot; &amp; &quot;C&quot;</td>
<td>D312 - Std. 4&quot;x4&quot; &amp; 3&quot;x4&quot;</td>
<td>F12 - 30' Up, 'B'</td>
<td>E01 - Extra Handhole**</td>
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<td>D312 - Std. 4&quot;x4&quot; &amp; 3&quot;x4&quot;</td>
<td>D390 - Std. &quot;A&quot;, &quot;D&quot;, &amp; &quot;C&quot;</td>
<td>F12 - 30' Up, 'B'</td>
<td>GF1 - Duplex GFI Receptacle (AR) with Cover</td>
</tr>
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<td>4-Bolt Base</td>
<td>D490 - Std. &quot;A&quot;, &quot;B&quot;, &quot;C&quot;, &amp; &quot;D&quot;</td>
<td>D490 - Custom</td>
<td>F12 - 30' Up, 'B'</td>
<td>GF2 - Duplex GFI w/ In-Use Cover</td>
</tr>
<tr>
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<td>35</td>
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<td>4-Bolt Base</td>
<td>D490 - Std. &quot;A&quot;, &quot;B&quot;, &quot;C&quot;, &amp; &quot;D&quot;</td>
<td>D505 - Custom</td>
<td>F12 - 30' Up, 'B'</td>
<td><strong>Specify Number and Orientation</strong></td>
</tr>
<tr>
<td>39</td>
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<td>4-Bolt Base</td>
<td>D505 - Custom</td>
<td>D506 - Custom</td>
<td>F12 - 30' Up, 'B'</td>
<td><strong>Specify Height and Orientation</strong></td>
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<td>D505 - Custom</td>
<td>D506 - Custom</td>
<td>F12 - 30' Up, 'B'</td>
<td><strong>Specify Height and Orientation</strong></td>
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<td>D506 - Custom</td>
<td>F12 - 30' Up, 'B'</td>
<td><strong>Specify Height and Orientation</strong></td>
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<td>D506 - Custom</td>
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<td>F12 - 30' Up, 'B'</td>
<td><strong>Specify Height and Orientation</strong></td>
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<td>D506 - Custom</td>
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<td>D506 - Custom</td>
<td>F12 - 30' Up, 'B'</td>
<td><strong>Specify Height and Orientation</strong></td>
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<td><strong>Specify Height and Orientation</strong></td>
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<td>D506 - Custom</td>
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<td><strong>Specify Height and Orientation</strong></td>
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<td>D506 - Custom</td>
<td>F12 - 30' Up, 'B'</td>
<td><strong>Specify Height and Orientation</strong></td>
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<td>D505 - Custom</td>
<td>D506 - Custom</td>
<td>F12 - 30' Up, 'B'</td>
<td><strong>Specify Height and Orientation</strong></td>
</tr>
</tbody>
</table>

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**Legend:**

- **RTS-ROUND TAPERED STEEL POLE**
- **GF1- Duplex GFI Receptacle with Cover**
- **GF2- Duplex GFI with In-Use Cover**
- **D-4” O.D. x 6”**
- **3-1/2” O.D. x 6”**
- **2-7/8” O.D. x 4”**
- **2-3/8” O.D. x 4”**
- **Std. “A”, “B”, “C”, & “D”**
- **Std. 60°, 180° & 300°**
- **Std. “A” & “D”**
- **Std. “A”, “B”, “C”, & “D”**
- **Standard “A”**
- **Custom Tenon**
- **GFI Receptacle Options Available** (Specify in Accessories)
- **Specify Number and Orientation**
- **Specify O.D. and Height**
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