

# ROUND TAPERED STEEL POLE

## RTS

PROJECT NAME: \_\_\_\_\_

PROJECT TYPE: \_\_\_\_\_

### FEATURES

#### Shaft

One or two piece construction fabricated from coil stock. Weldable grade. Hot rolled commercial quality carbon steel. Guaranteed minimum yield strength 55,000 P.S.I. Shaft has uniform taper of approximately .14" per foot. Wall thickness 11 GA. (.120 wall) or 7 GA. (.180 wall) as specified. Flush reinforced hand hole is furnished with cover. Shaft is furnished with ground lug located inside pole on wall opposite hand hole.

#### Base Plate

Fabricated from structural quality hot rolled steel. Meets or exceeds minimum yield strength of 36,000 P.S.I. base telescopes and is circumferentially welded to pole shaft. Slotted bolt holes provide 1" flexibility on either side of bolt circle centerline.

#### Anchorage

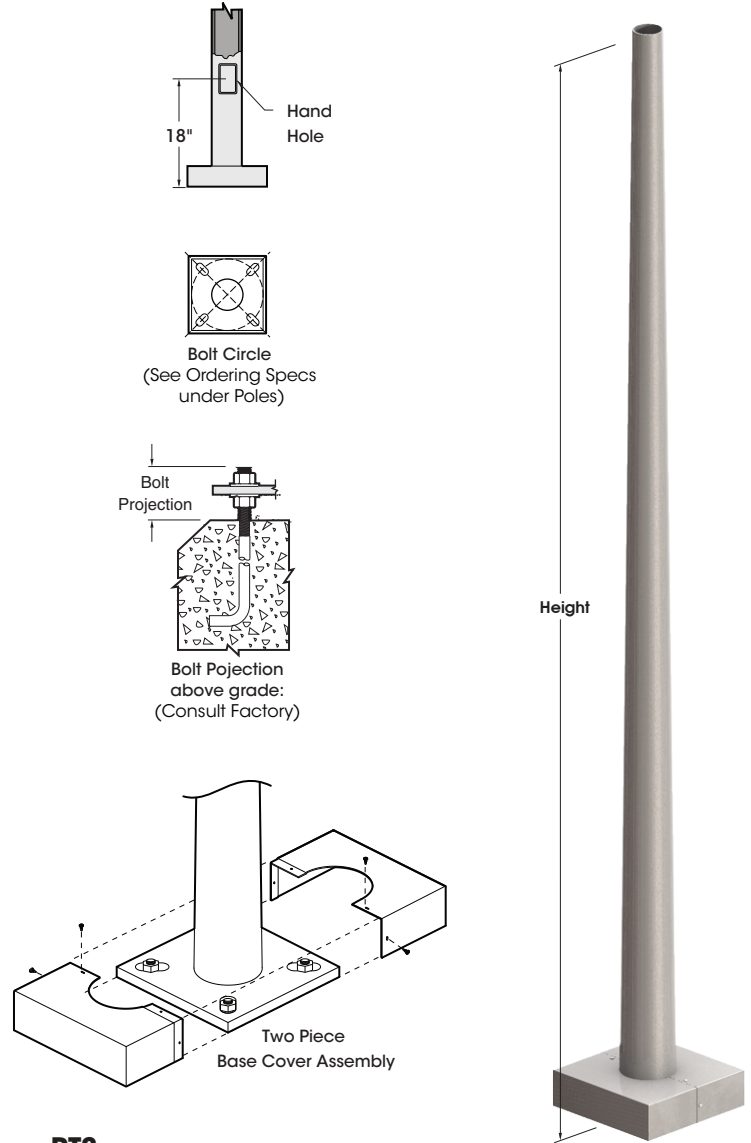
(4) anchor bolts fabricated from hot rolled steel bar. Minimum yield strength of 50,000 P.S.I. bolts have "L" bend on one end and are threaded on the other. Bolts are fully galvanized and are furnished with two nuts and two washers.

#### Base Cover

Fabricated from heavy gauge quality carbon steel. Two-piece cover conceals base.

#### Finish

Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.

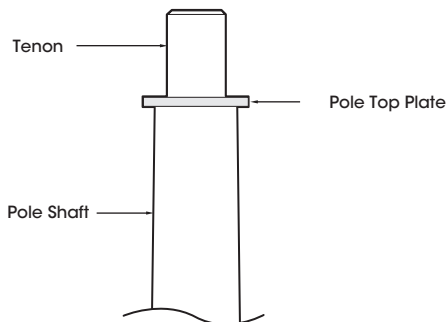


RTS

### Pole Top Mount

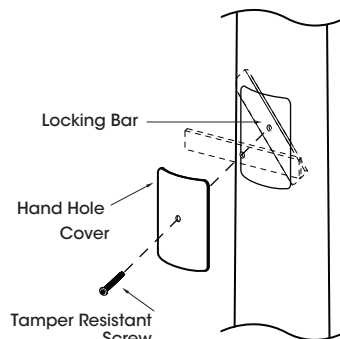
PT23 - 2<sup>3</sup>/<sub>8</sub>"X4" Tenon

PT27 - 2<sup>7</sup>/<sub>8</sub>"X4" Tenon

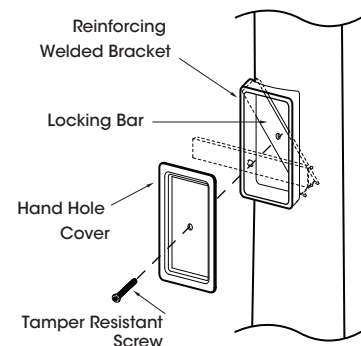


### Hand Hole Cover

Below 15' - Hand hole cover w/tamper resistant bolt assembly



15' and up - Reinforced hand hole w/tamper resistant bolt assembly



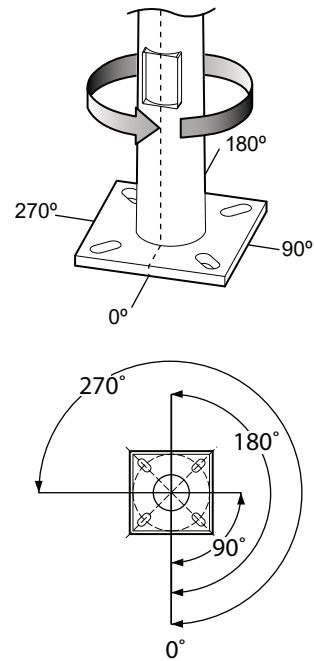
**SPECIFICATIONS**

**Engineering Data**  
Maximum EPA - Square Feet

Model Number	Max. Fixture Weight	100 MPH	90 MPH	80 MPH	70 MPH
RTS 20 - 11	375	10.7	13.1	17.5	23.2
RTS 25 - 11	325	11.8	14.3	18.7	24.4
RTS 30 - 11	425	10.2	12.5	17.1	22.4
RTS 35 - 11	375	10.1	12.3	17.0	22.2
RTS 40 - 11	350	8.6	10.8	15.5	20.9
RTS 40 - 7	550	15.6	18.9	24.7	30.6
RTS 45 - 11	350	8.2	10.6	15.9	21.1
RTS 45 - 7	550	13.2	16.5	21.3	28.1
RTS 50 - 11	275	6.3	8.5	11.3	15.1
RTS 50 - 7	325	8.3	10.1	12.7	16.2

All above design calculations are based on sustained wind forces plus additional 1.3 wind gust  
(Example: Pole rated at 80 MPH withstands 104 MPH gusts)

**Drilled Side Mount**  
Specify drilling location using codes below.



**ORDERING INFORMATION**

Spec/Order Example: RTS20-11/4-90/RAL-7004-S/GFI

Pole Model Number - RTS						Mounting	Finish	Options
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Pole Height	Shaft Size	Wall Thickness	Bolt Circle	Anchorage		Arm Mount	Standard Smooth Finish	Receptacle
<input type="checkbox"/> RTS 20 - 11	20'	6.0X3.0	11	11½"	1"X36"X4"	<input type="checkbox"/> <b>PT23</b> 2⅞" X 4" Tenon	<input type="checkbox"/> Black <b>RAL-9005-S</b>	<input type="checkbox"/> Duplex Receptacle <b>DUP</b>
<input type="checkbox"/> RTS 25 - 11	25'	7.0X3.5	11	11½"	1"X36"X4"	<input type="checkbox"/> <b>PT27</b> 2⅞" X 4" Tenon	<input type="checkbox"/> White <b>RAL-9003-S</b>	<input type="checkbox"/> GFI Receptacle <b>GFI</b>
<input type="checkbox"/> RTS 30 - 11	30'	8.0X4.0	11	11½"	1"X36"X4"	<input type="checkbox"/> Other Tenon Mt _____	<input type="checkbox"/> Grey <b>RAL-7004-S</b>	<input type="checkbox"/> 3 Way Adapter <b>T3120</b>
<input type="checkbox"/> RTS 35 - 11	35'	8.5X3.5	11	11½"	1"X36"X4"	<b>Drill Mount</b>	<input type="checkbox"/> Dark Bronze <b>RAL-8019-S</b>	<input type="checkbox"/> 4 Way Adapter <b>T490</b>
<input type="checkbox"/> RTS 40 - 11	40'	9.0X3.6	11	11½"	1"X36"X4"	<input type="checkbox"/> 1 .....	<input type="checkbox"/> Green <b>RAL-6005-S</b>	<input type="checkbox"/> Round Base Cover <b>RBC</b>
<input type="checkbox"/> RTS 40 - 7	40'	9.0X3.6	7	13½"	1¼"X42X6"	<input type="checkbox"/> 2-180 .....	All Steel Poles supplied with Smooth Finish See USALTG.COM for additional colors	<b>Coupling</b>
<input type="checkbox"/> RTS 45 - 11	45'	10.0X3.7	11	13½"	1¼"X42X6"	<input type="checkbox"/> 2-90 .....		<input type="checkbox"/> ½" Coupling <b>CPLN1/2</b>
<input type="checkbox"/> RTS 45 - 7	45'	10.0X3.7	7	13½"	1¼"X42X6"	<input type="checkbox"/> 3-90 .....		<input type="checkbox"/> ¾" Coupling <b>CPLN3/4</b>
<input type="checkbox"/> RTS 50 - 11	50'	10.0X3.0	11	13½"	1¼"X42X6"	<input type="checkbox"/> 4-90 .....		<input type="checkbox"/> 2" Coupling <b>CPLN2</b>
<input type="checkbox"/> RTS 50 - 7	50'	10.0X3.0	7	13½"	1¼"X42X6"	<input type="checkbox"/> 3-120 .....		Specify Coupling location Refer to the Accessories Section for other options
<input type="checkbox"/> Specify other heights _____						3-120 requires PT27 and T3120 Adapter 2-90, 3-90, 4-90 requires PT27 and T490 Adapter		