

ROUND TAPERED ALUMINUM POLE

RTA

PROJECT NAME: _____

PROJECT TYPE: _____

FEATURES

Shaft

Spun tapered from 6063 alloy aluminum tubing. Heat treated to produce a T6 temper. Shaft includes a hand hole furnished with cover. Shaft is furnished with ground lugs located on cast aluminum base plate.

Base Plate

Cast aluminum constructed of A-356 aluminum alloy heat treated to produce a T6 temper. Structurally engineered base includes eight heavy wall reinforcing vertical gussets. Base telescopes and is circumferentially welded to shaft at both the outside top and inside bottom of the base.

Anchorage

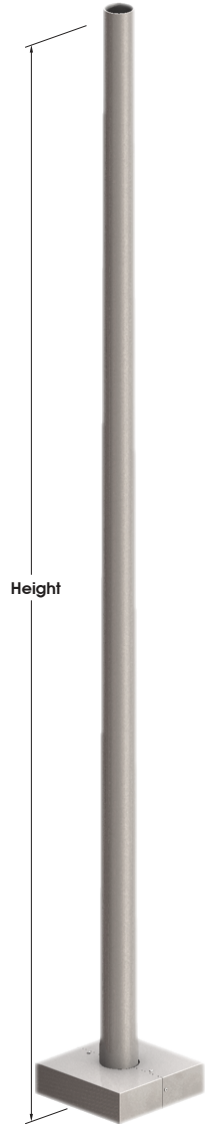
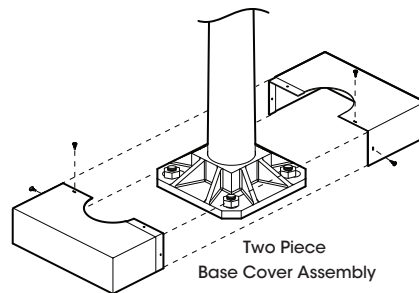
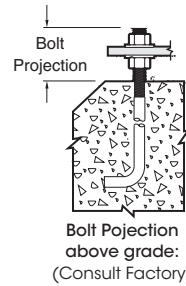
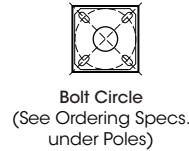
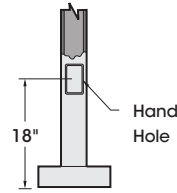
(4) anchor bolts fabricated from hot rolled steel bar. Minimum yield strength of 50,000 P.S.I. bolts have "L" bend on one end and are threaded on the other. Bolts are fully galvanized and are furnished with two nuts and two washers.

Base Cover

Fabricated from heavy wall aluminum construction. Two piece cover conceals base.

Finish

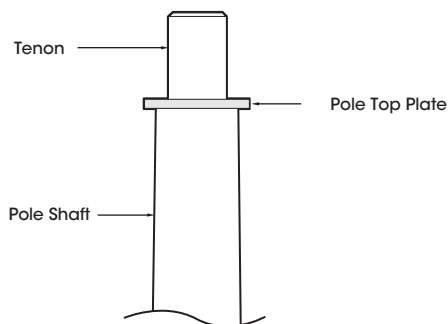
Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.



RTA

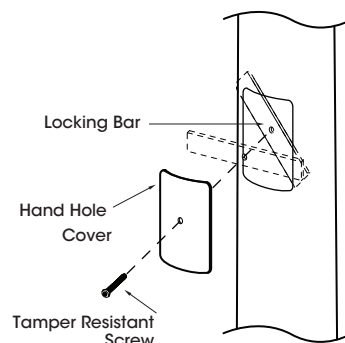
Pole Top Mount

PT23 - 2³/₈"X4" Tenon PT27 - 2⁷/₈"X4" Tenon



Hand Hole Cover

Hand hole cover with tamper resistant bolt assembly



SPECIFICATIONS

Engineering Data

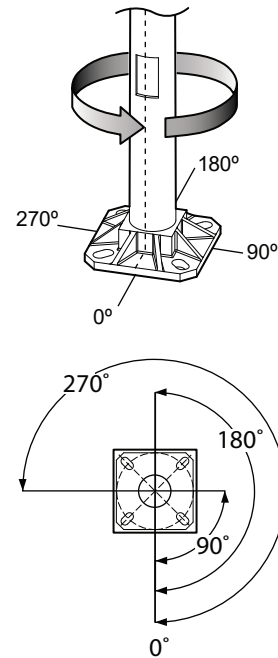
Maximum EPA - Square Feet

Model Number	Max. Fixture Weight	100 MPH	90 MPH	80 MPH	70 MPH
RTA 1443 - 125	50	2.2	3.0	4.5	6.2
RTA 1643 - 125	50	1.1	1.8	2.9	4.4
RTA 1853 - 188	100	4.1	5.6	7.6	10.8
RTA 2064 - 188	200	5.6	7.5	10.1	14.2
RTA 2574 - 188	225	5.7	7.3	9.5	13.6
RTA 3084 - 188	200	5.6	7.4	9.9	13.5
RTA 3584 - 188	100	3.8	5.1	7.0	9.3
RTA 4084 - 250	200	4.2	5.4	7.6	10.7

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: RTA2064-188/4-90/RAL-7004-S

Pole Model Number - RTA						Mounting	Finish	Options
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Pole Height	Shaft Size	Wall Thickness	Bolt Circle	Anchorage		Arm Mount	Standard Textured Finish	Receptacle
<input type="checkbox"/> RTA 1443 - 125	14'	4.0X3.0	.125	10 1/4"	3/4"X18"X3"	<input type="checkbox"/> PT23 2 3/8" X 4" Tenon	<input type="checkbox"/> Black RAL-9005-T	<input type="checkbox"/> Duplex Receptacle DUP
<input type="checkbox"/> RTA 1643 - 125	16'	4.0X3.0	.125	11 3/4"	3/4"X18"X3"	<input type="checkbox"/> PT27 2 7/8" X 4" Tenon	<input type="checkbox"/> White RAL-9003-T	<input type="checkbox"/> GFI Receptacle GFI
<input type="checkbox"/> RTA 1853 - 188	18'	5.0X3.0	.188	11 3/4"	1"X36"X4"	<input type="checkbox"/> Other Tenon Mt _____	<input type="checkbox"/> Grey RAL-7004-T	<input type="checkbox"/> 3 Way Adapter T3120
<input type="checkbox"/> RTA 2064 - 188	20'	6.0X4.0	.188	13"	1"X36"X4"		<input type="checkbox"/> Dark Bronze RAL-8019-T	<input type="checkbox"/> 4 Way Adapter T490
<input type="checkbox"/> RTA 2574 - 188	25'	7.0X4.0	.188	13"	1"X36"X4"	<input type="checkbox"/> 1	<input type="checkbox"/> Green RAL-6005-T	<input type="checkbox"/> Round Base Cover RBC
<input type="checkbox"/> RTA 3084 - 188	30'	8.0X4.0	.188	13"	1"X36"X4"	<input type="checkbox"/> 2-180		
<input type="checkbox"/> RTA 3584 - 188	35'	8.0X4.0	.188	13"	1"X36"X4"	<input type="checkbox"/> 2-90		
<input type="checkbox"/> RTA 4084 - 250	40'	8.0X4.0	.188	13"	1"X36"X4"	<input type="checkbox"/> 3-90		
						<input type="checkbox"/> 4-90		
						<input type="checkbox"/> 3-120		
<input type="checkbox"/> Specify other heights _____								
						3-120 requires PT27 and T3120 Adapter		
						2-90, 3-90, 4-90 requires PT27 and T490 Adapter		
							For Smooth Finish replace suffix "T" with suffix "S" (Example: RAL-9005-S)	
							See USALTG.COM for additional colors	
								Coupling
								<input type="checkbox"/> 1/2" Coupling CPLN1/2
								<input type="checkbox"/> 3/4" Coupling CPLN3/4
								<input type="checkbox"/> 2" Coupling CPLN2
								Specify Coupling location
								Refer to the Accessories Section for other options