

SQUARE NON-TAPERED ALUMINUM POLE

SNTA

Shaft

Square, extruded from 6063 alloy aluminum tubing. Heat treated to produce a T6 temper. Shaft includes a hand hole furnished with cover.

Drilling Side Mount

A removable pole cap is included. Pole will be drilled to match U.S. Architectural fixtures. For other Drilling required, please specify DP after specified drill pattern. (example: 2-180DP)

Pole Top Mount

Standard pole top mount - PT27, fabricated from 2.5" (2.875" O.D.) aluminum pipe - tenon options available for pole tops please see Mounting column. For other pole top configurations please consult factory.

Hand Hole Cover

Rectangular 3" x 5" stamped heavy gauge aluminum material Hand Hole Cover, 2 1/4" x 4 1/4" access opening. Sealed door is secured by a formed aluminum bar and a stainless steel, tamper proof screw.

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.



Pole Top Mounting
PT27 - 2 7/8" X 3" Tenon (standard)
PT23 - 2 3/8" X 3" Tenon



Drilling Side Mount



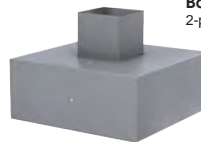
Handhole Cover w/ Locking Bar



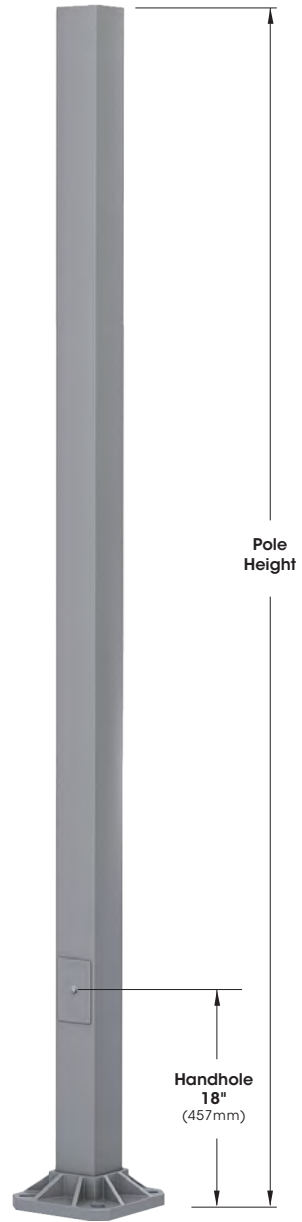
Base Plate



Anchorage

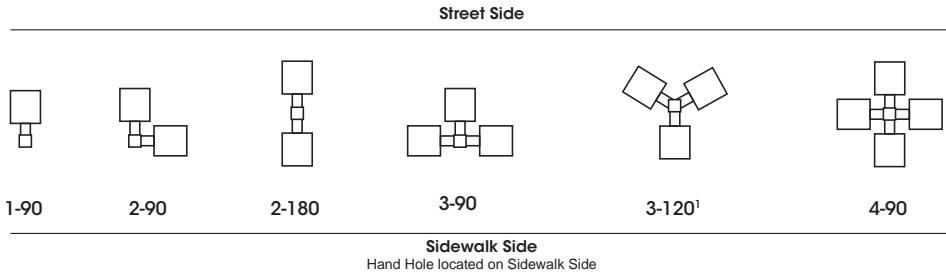


Base Cover
 2-pc Assembly



Pole Model	Pole Sq.	Pole Height
SNTA4	4"	8' - 20'
SNTA5	5"	12' - 25'
SNTA6	6"	20' - 30'

DRILLING SIDE MOUNT



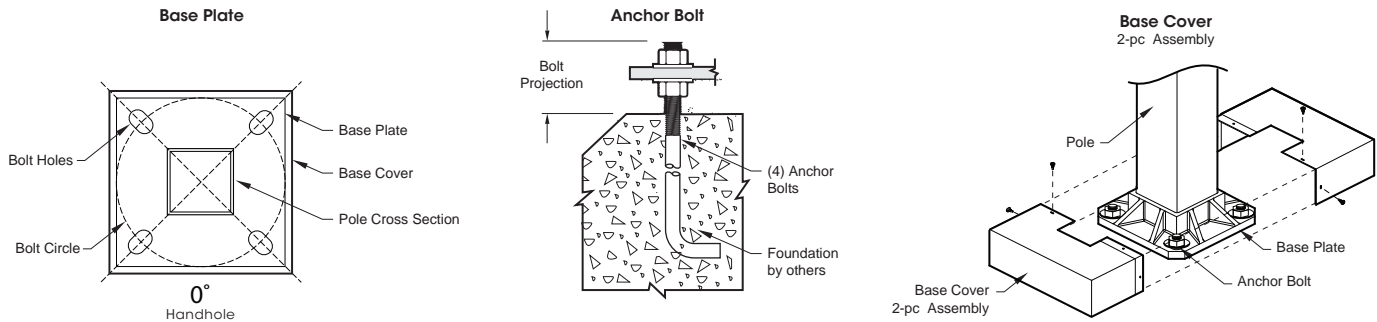
Notes

1- Requires PT27 and T3120 adaptor. (adaptor is rotatable)

When drilling pattern from other manufacturer's fixture is required, add "DP" to drill specifications. (Example: 2-180DP) **Drilling template must be provided.**

In the case of other manufacturer's drilling pattern, customer must provide drilling pattern.

BOLT CIRCLE



Catalog Number	POLE								ANCHOR BOLTS				ANCHOR PLATE		
	Height		Bottom - Top				Wall Thickness (In/Ga)	Weight (Lbs)	Bolt Size	Bolt Projection above grade ^{2,3}	Bolt Circle Dia Range ¹	Bolt Circle Dia (In) (Rec.) ¹	Template	Base Plate	Cover
	Ft	M	In	Cm	In	Cm									
SNTA 84-125	8	2.44	4.00	4.00	10.16	10.16	0.125	26	3/4" x 18" x 3"	3 1/4" - 3 3/4"	9 1/2" - 10 1/2"	10"	US10	3/4" x 10" x 10"	5" x 12" x 12"
SNTA 104-125	10	3.05	4.00	4.00	10.16	10.16	0.125	30	3/4" x 18" x 3"	3 1/4" - 3 3/4"	9 1/2" - 10 1/2"	10"	US10	3/4" x 10" x 10"	5" x 12" x 12"
SNTA 124-125	12	3.66	4.00	4.00	10.16	10.16	0.125	35	3/4" x 18" x 3"	3 1/4" - 3 3/4"	9 1/2" - 10 1/2"	10"	US10	3/4" x 10" x 10"	5" x 12" x 12"
SNTA 144-125	14	4.27	4.00	4.00	10.16	10.16	0.125	39	3/4" x 18" x 3"	3 1/4" - 3 3/4"	9 1/2" - 10 1/2"	10"	US10	3/4" x 10" x 10"	5" x 12" x 12"
SNTA 164-125	16	4.88	4.00	4.00	10.16	10.16	0.125	44	3/4" x 24" x 3"	3 1/4" - 3 3/4"	9 1/2" - 10 1/2"	10"	US10	3/4" x 10" x 10"	5" x 12" x 12"
SNTA 164-188	16	4.88	4.00	4.00	10.16	10.16	0.188	61	3/4" x 24" x 3"	3 1/4" - 3 3/4"	9 1/2" - 10 1/2"	10"	US10	3/4" x 10" x 10"	5" x 12" x 12"
SNTA 184-188	18	5.49	4.00	4.00	10.16	10.16	0.188	68	3/4" x 24" x 3"	3 1/4" - 3 3/4"	9 1/2" - 10 1/2"	10"	US10	3/4" x 10" x 10"	5" x 12" x 12"
SNTA 204-188	20	6.10	4.00	4.00	10.16	10.16	0.188	74	3/4" x 24" x 3"	3 1/4" - 3 3/4"	9 1/2" - 10 1/2"	10"	US10	3/4" x 10" x 10"	5" x 12" x 12"
SNTA 125-125	12	3.66	5.00	5.00	12.70	12.70	0.125	45	3/4" x 24" x 3"	3 1/4" - 3 3/4"	11" - 12"	12"	US12	1" x 11" x 11"	5" x 12" x 12"
SNTA 145-125	14	4.27	5.00	5.00	12.70	12.70	0.125	50	3/4" x 24" x 3"	3 1/4" - 3 3/4"	11" - 12"	12"	US12	1" x 11" x 11"	5" x 12" x 12"
SNTA 165-125	16	4.88	5.00	5.00	12.70	12.70	0.125	56	3/4" x 24" x 3"	3 1/4" - 3 3/4"	11" - 12"	12"	US12	1" x 11" x 11"	5" x 12" x 12"
SNTA 185-188	18	5.49	5.00	5.00	12.70	12.70	0.188	86	3/4" x 24" x 3"	3 1/4" - 3 3/4"	11" - 12"	12"	US12	1" x 11" x 11"	5" x 12" x 12"
SNTA 205-188	20	6.10	5.00	5.00	12.70	12.70	0.188	95	3/4" x 24" x 3"	3 1/4" - 3 3/4"	11" - 12"	12"	US12	1" x 11" x 11"	5" x 12" x 12"
SNTA 255-188	25	7.62	5.00	5.00	12.70	12.70	0.188	116	3/4" x 24" x 3"	3 1/4" - 3 3/4"	11" - 12"	12"	US12	1" x 11" x 11"	5" x 12" x 12"
SNTA 206-188	20	6.10	6.00	6.00	15.24	15.24	0.188	115	1" x 36" x 4"	4" - 4 1/2"	12" - 13"	13"	US13	1" x 11 1/2" x 11 1/2"	5" x 12" x 12"
SNTA 206-250	20	6.10	6.00	6.00	15.24	15.24	0.250	147	1" x 36" x 4"	4" - 4 1/2"	12" - 13"	13"	US13	1" x 11 1/2" x 11 1/2"	5" x 12" x 12"
SNTA 256-188	25	7.62	6.00	6.00	15.24	15.24	0.188	140	1" x 36" x 4"	4" - 4 1/2"	12" - 13"	13"	US13	1" x 11 1/2" x 11 1/2"	5" x 12" x 12"
SNTA 256-250	25	7.62	6.00	6.00	15.24	15.24	0.250	180	1" x 36" x 4"	4" - 4 1/2"	12" - 13"	13"	US13	1" x 11 1/2" x 11 1/2"	5" x 12" x 12"
SNTA 306-250	30	9.15	6.00	6.00	15.24	15.24	0.250	214	1" x 36" x 4"	4" - 4 1/2"	12" - 13"	13"	US13	1" x 11 1/2" x 11 1/2"	5" x 12" x 12"

1 - Not using correct bolt size or "(REC.) Recommended" Bolt Circle could result in Pole's failure.
 2 - Bolt Projection is calculated for slopes with 3 degrees or less.
 3 - For slopes greater than 3 degrees, please add Bolt Length Projection as necessary.
 4 - With 5" poles, max allowable bolt for 11" circle is 3/4".

ORDERING INFORMATION

Spec/Order Example: SNTA144-125/2-90/RAL-6005-T

Pole Model Number	Mounting	Finish	Options																											
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<p>4" Pole Sq.</p> <table border="1"> <thead> <tr> <th>Pole Model Number</th> <th>Pole Height</th> <th>Wall Thickness</th> </tr> </thead> <tbody> <tr><td><input type="checkbox"/> SNTA 84 - 125</td><td>8'</td><td>0.125</td></tr> <tr><td><input type="checkbox"/> SNTA 104 - 125</td><td>10'</td><td>0.125</td></tr> <tr><td><input type="checkbox"/> SNTA 124 - 125</td><td>12'</td><td>0.125</td></tr> <tr><td><input type="checkbox"/> SNTA 144 - 125</td><td>14'</td><td>0.125</td></tr> <tr><td><input type="checkbox"/> SNTA 164 - 125</td><td>16'</td><td>0.125</td></tr> <tr><td><input type="checkbox"/> SNTA 164 - 188</td><td>16'</td><td>0.188</td></tr> <tr><td><input type="checkbox"/> SNTA 184 - 188</td><td>18'</td><td>0.188</td></tr> <tr><td><input type="checkbox"/> SNTA 204 - 188</td><td>20'</td><td>0.188</td></tr> </tbody> </table>	Pole Model Number	Pole Height	Wall Thickness	<input type="checkbox"/> SNTA 84 - 125	8'	0.125	<input type="checkbox"/> SNTA 104 - 125	10'	0.125	<input type="checkbox"/> SNTA 124 - 125	12'	0.125	<input type="checkbox"/> SNTA 144 - 125	14'	0.125	<input type="checkbox"/> SNTA 164 - 125	16'	0.125	<input type="checkbox"/> SNTA 164 - 188	16'	0.188	<input type="checkbox"/> SNTA 184 - 188	18'	0.188	<input type="checkbox"/> SNTA 204 - 188	20'	0.188	<p>Tenon Mount</p> <p><input type="checkbox"/> 27/8" X 3" Tenon PT27 (Standard)</p> <p><input type="checkbox"/> 23/8" X 3" Tenon PT23</p> <p><input type="checkbox"/> 27/8" X 6" Tenon PT276</p> <p><input type="checkbox"/> Other Tenon Mt _____</p> <p>Drill Mount</p> <p><input type="checkbox"/> 1-90 </p> <p><input type="checkbox"/> 2-180 </p> <p><input type="checkbox"/> 2-90 </p> <p><input type="checkbox"/> 3-90 </p> <p><input type="checkbox"/> 4-90 </p> <p><input type="checkbox"/> 3-120 </p> <p>3-120 requires PT27 and T3120 Adapter</p> <p>2-90, 3-90, 4-90 requires PT27 and T490 Adapter</p> <p>When Drilling Pattern from other manufacturer is required, add "DP" to drill specifications (Example: 2-180DP) Drilling template must be provided.</p>	<p>Standard Smooth Finish</p> <p><input type="checkbox"/> Black RAL-9005-S</p> <p><input type="checkbox"/> White RAL-9003-S</p> <p><input type="checkbox"/> Grey RAL-7004-S</p> <p><input type="checkbox"/> Dark Bronze RAL-8019-S</p> <p><input type="checkbox"/> Green RAL-6005-S</p> <p>Premium Finishes</p> <p><input type="checkbox"/> Rust</p> <p><input type="checkbox"/> Patina Copper PC</p> <p><input type="checkbox"/> Custom Specify RAL# _____</p> <p><input type="checkbox"/> Anodized AZ</p> <p>For Textured Finish replace suffix "S" with suffix "T" Example: RAL-9005-T</p> <p>See USALTG.COM for additional colors</p>	<p><input type="checkbox"/> Vibration Dampener 2nd Mode Field Install VBDS-M2</p> <p>Receptacle</p> <p><input type="checkbox"/> G.F.I. Receptacle w/ Cover GFI</p> <p><input type="checkbox"/> G.F.I. Receptacle w/ In-Use Cover GFI-U [Specify GFI location: Height and Direction] See Location Diagram below</p> <p><input type="checkbox"/> 3 Way Adapter T3120</p> <p><input type="checkbox"/> 4 Way Adapter T490</p> <p>Coupling</p> <p><input type="checkbox"/> 1/2" Coupling CPLN12</p> <p><input type="checkbox"/> 3/4" Coupling CPLN34</p> <p><input type="checkbox"/> 1 1/4" Coupling CPLN114</p> <p><input type="checkbox"/> 1 1/2" Coupling CPLN112</p> <p><input type="checkbox"/> 2" Coupling CPLN2 [Specify Coupling location: Height and Direction] See Location Diagram below</p> <p>Nipple</p> <p><input type="checkbox"/> 1/2" Nipple NPLE12</p> <p><input type="checkbox"/> 3/4" Nipple NPLE34</p> <p><input type="checkbox"/> 1 1/4" Nipple NPLE114</p> <p><input type="checkbox"/> 1 1/2" Nipple NPLE112</p> <p><input type="checkbox"/> 2" Nipple NPLE2 [Specify Coupling location: Height and Direction] See Location Diagram below</p> <p>Location Diagram Please use this diagram to indicate placement location</p> <p>Refer to the Accessories Section for other options</p>
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<input type="checkbox"/> SNTA 306 - 250	30'	0.250																												

OPTIONS



GFI
Duplex GFI w/ Cover



GFI-U
Duplex GFI w/ In-Use Cover



T3120
3 Way Adapter



T490
4 Way Adapter

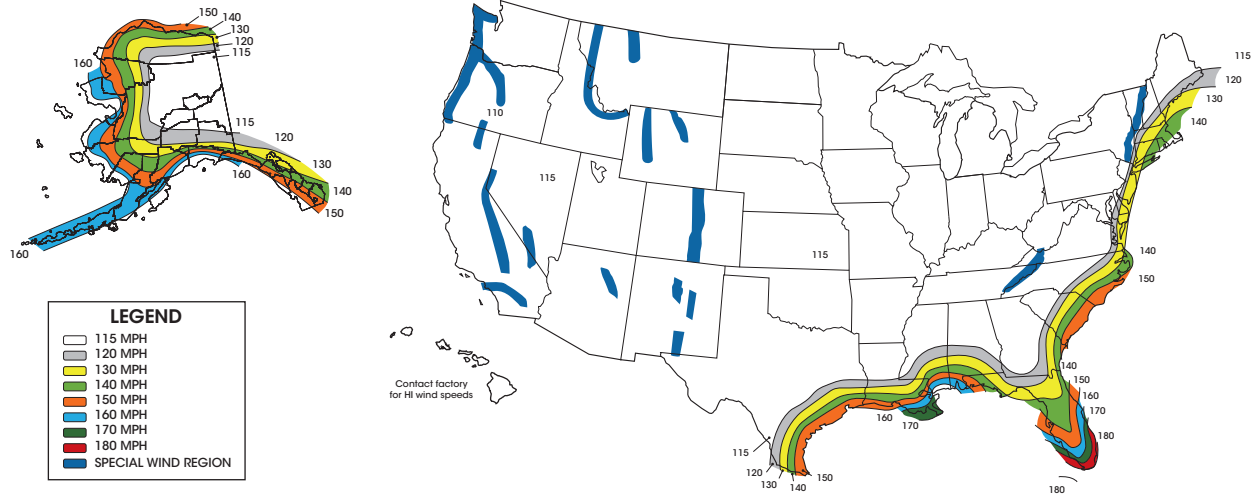


CPLN
1/2", 3/4", 1 1/4", 1 1/2", or 2" Coupling



NPLE
1/2", 3/4", 1 1/4", 1 1/2", or 2" Nipple

WIND MAP



EPA INFORMATION (ft²)
(per AASHTO LRFDLTS-1 revised 2022)

Caf. No.	Weight Capacity Maximum (Lbs.)	100 MPH	110 MPH	115 MPH	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH
SNTA 84-125	248.5 - 60*	7.1	5.3	5.1	4.3	3.7	2.7	2.3	2.1	1.9	1.7
SNTA 104-125	220.5 - 60*	6.3	4.9	4.1	3.8	2.8	2.4	1.7	1.4	1.2	0.7
SNTA 124-125	150.5 - 60*	4.3	3.5	3.1	2.3	1.9	1.2	0.8	0.4	0.2	0.0
SNTA 144-125	105 - 60*	3.0	2.3	1.9	1.5	0.8	0.6	0.2	0.0	0.0	0.0
SNTA 164-125	66.5 - 60*	1.9	1.0	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
SNTA 164-188	136.5 - 60*	3.9	2.5	2.1	1.7	1.3	0.6	0.2	0.0	0.0	0.0
SNTA 184-188	98 - 60*	2.8	1.6	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0
SNTA 204-188	60	1.2	0.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SNTA 125-125	266 - 60*	7.6	6.1	5.2	4.7	3.7	2.6	2.0	1.4	1.0	0.0
SNTA 145-125	199.5 - 60*	5.7	4.4	3.8	3.2	2.1	1.6	0.9	0.6	0.2	0.0
SNTA 165-125	140 - 60*	4.0	2.8	2.0	1.8	0.9	0.6	0.0	0.0	0.0	0.0
SNTA 185-188	182 - 60*	5.2	3.6	3.1	2.8	1.8	0.9	0.3	0.0	0.0	0.0
SNTA 205-188	140 - 60*	4.0	2.6	1.9	1.6	0.8	0.2	0.0	0.0	0.0	0.0
SNTA 255-188	60	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SNTA 206-188	241.5 - 60*	6.9	5.0	3.9	3.2	2.1	1.1	0.3	0.0	0.0	0.0
SNTA 206-250	300 - 60*	10.9	7.9	6.6	5.9	4.3	3.1	1.8	1.0	0.6	0.0
SNTA 256-188	73.5 - 60*	2.1	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SNTA 256-250	171.5 - 60*	4.9	3.0	2.5	1.6	0.7	0.0	0.0	0.0	0.0	0.0
SNTA 306-250	60	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

EPA INFORMATION (ft²)
(per 2020 FL Building Code)

Caf. No.	Weight Capacity Maximum (Lbs.)	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH
SNTA 84-125	140 - 60*	4.0	3.3	2.5	2.2	1.9	1.8	1.6
SNTA 104-125	119.7 - 60*	3.4	2.5	2.2	1.6	1.3	1.1	0.7
SNTA 124-125	74.06 - 60*	2.1	1.8	1.1	0.7	0.4	0.2	0.0
SNTA 144-125	60	1.4	0.7	0.6	0.2	0.0	0.0	0.0
SNTA 164-125	60	0.4	0.0	0.0	0.0	0.0	0.0	0.0
SNTA 164-188	60	1.5	1.2	0.6	0.2	0.0	0.0	0.0
SNTA 184-188	60	0.7	0.4	0.0	0.0	0.0	0.0	0.0
SNTA 204-188	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SNTA 125-125	152.99 - 60*	4.4	3.4	2.4	1.9	1.3	0.9	0.5
SNTA 145-125	100.8 - 60*	2.9	1.9	1.4	0.8	0.6	0.2	0.0
SNTA 165-125	60	1.7	0.8	0.6	0.0	0.0	0.0	0.0
SNTA 185-188	88.2 - 60*	2.5	1.7	0.8	0.3	0.0	0.0	0.0
SNTA 205-188	60	1.5	0.7	0.2	0.0	0.0	0.0	0.0
SNTA 255-188	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SNTA 206-188	103.04 - 60*	2.9	1.9	1.0	0.3	0.0	0.0	0.0
SNTA 206-250	185.85 - 60*	5.3	3.9	2.9	1.7	0.9	0.5	0.0
SNTA 256-188	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SNTA 256-250	70 - 60*	2.0	1.0	0.0	0.0	0.0	0.0	0.0
SNTA 306-250	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0

* Please use the following to obtain the proper weight capacity: The maximum fixture weight equals 60 lbs. or the product of 35 lbs. x the EPA value, whichever is greater, not to exceed 300 lbs. Example, EPA = 2.2 , weight = 35 lbs. x 2.2 EPA = 77 lbs.

Notes

- Specifier is responsible for correct pole selection. For proper pole choice, the specifier must consider the total EPA of fixtures, banners, arms, and any other accessories attached to pole assembly.
- U.S. Architectural discourages the attachment of unauthorized accessories; any such attachments will void the manufacturer's warranty.
- ALL EPAs are calculated for ground installations. For installations on bridges, buildings or other structures, the specifier must contact the factory or consult with a structural Engineer
- Unpredictable aerodynamic forces such as wind-induced vibrations are not included in wind velocity ratings or EPA ratings.
- Wind gust factors are considered in developing all EPA chart data.

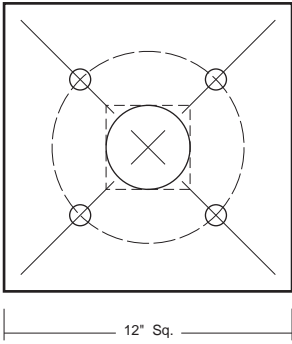
To mitigate 2nd Mode (Aeolian) Vibration please read the following Recommendations:

- We do not recommend the installation of poles without a fixture; such installations have been known to fail due to destructive 2nd mode pole vibration.
- An internal vibration dampener will be provided for 4" square poles 20 ft. tall and above, for 5" square poles 25 ft tall and above, and for 6" square poles 30 ft tall and above.
- Pole installations with a combined (fixtures, banners, flags, etc.) of less than 0.75 ft2 EPA and 20 feet or taller will be provided with a vibration dampener.

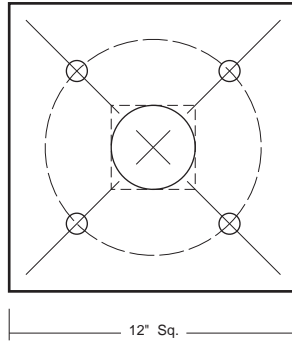
ANCHOR BOLT TEMPLATES

For printable versions of Templates: click on the Template's name, otherwise go to <https://usaltg.com/downloads/templates.html>.

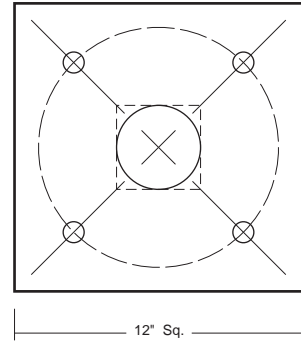
US8
8" Bolt Circle



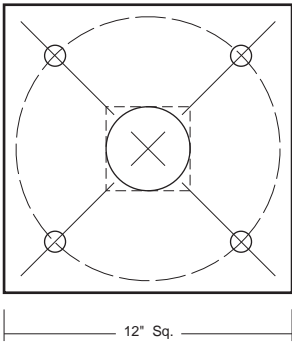
US9
9" Bolt Circle



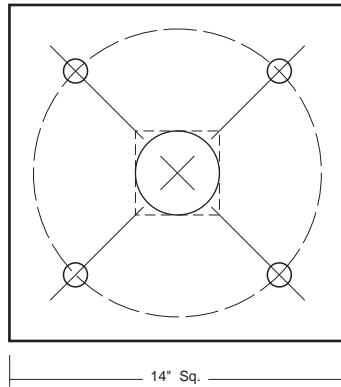
US10
10" Bolt Circle



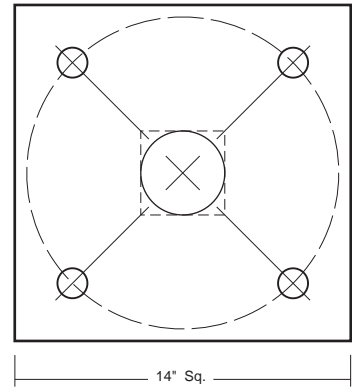
US11
11" Bolt Circle



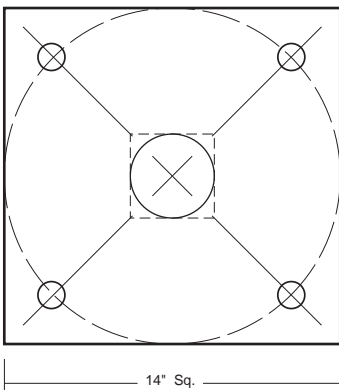
US12
12" Bolt Circle



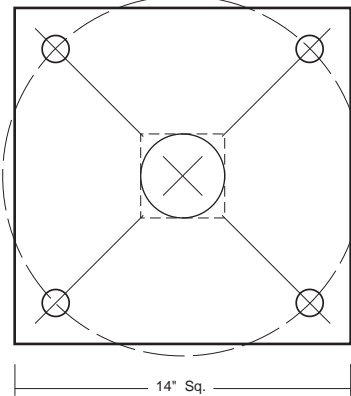
US13
13" Bolt Circle



US14
14" Bolt Circle



US15
15" Bolt Circle



US16
16" Bolt Circle

