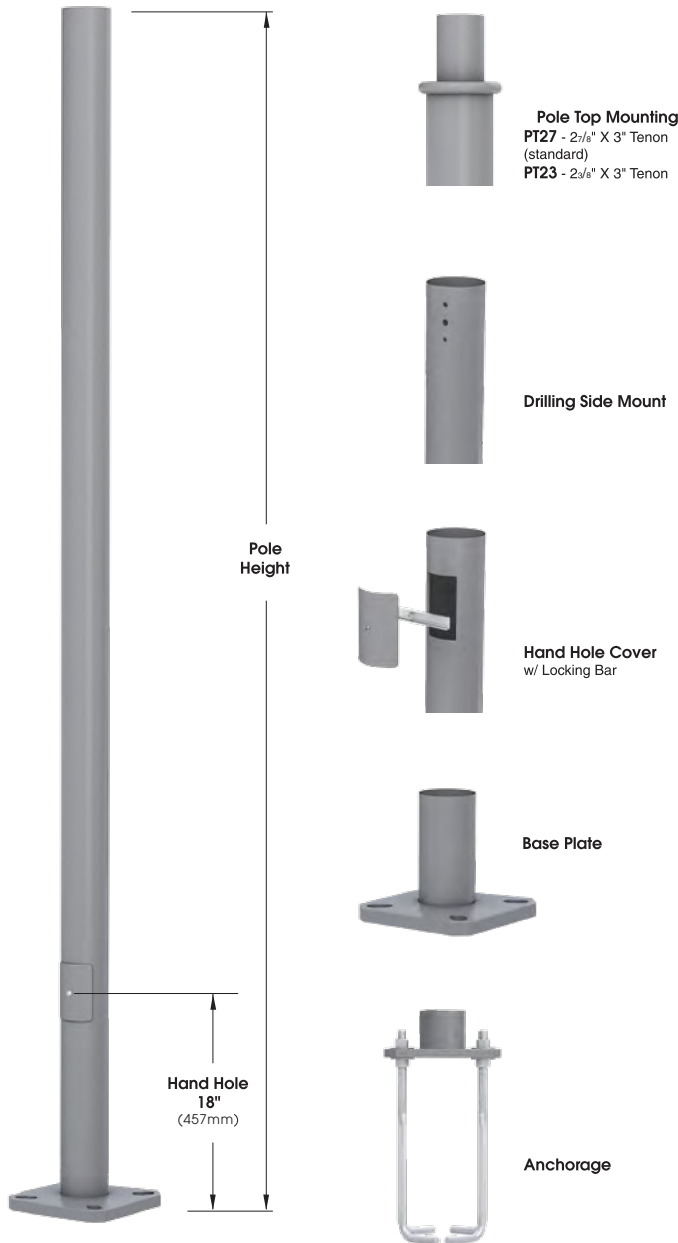


# ROUND NON-TAPERED STEEL RNTS



## SPECIFICATIONS

### Shaft

Round, fabricated from high grade structural steel tube. Shaft conforms to ASTM-A-501-68 specifications. Meets or exceeds minimum yield strength of 46,000 P.S.I. Wall thickness 11 GA. (.120 wall) or 7 GA. (.180 wall) as specified. Shaft is furnished with ground lug located inside pole on wall opposite hand hole.

### Drilling Side Mount

A removable pole cap is included. Pole will be drilled to match customer provided drilling template.

### Pole Top Mount

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

### Hand Hole Cover

**Steel Poles 15 feet and above** - Supplied with reinforced steel 2 5/8" x 4 5/8" access opening. Hand Hole provided with rectangular 3"x5" stamped heavy gauge aluminum material, Sealed door is secured by a formed aluminum bar and a stainless steel, tamper proof screw.

**Poles under 15 feet** - Rectangular 3"x5" stamped heavy gauge aluminum material, 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

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.

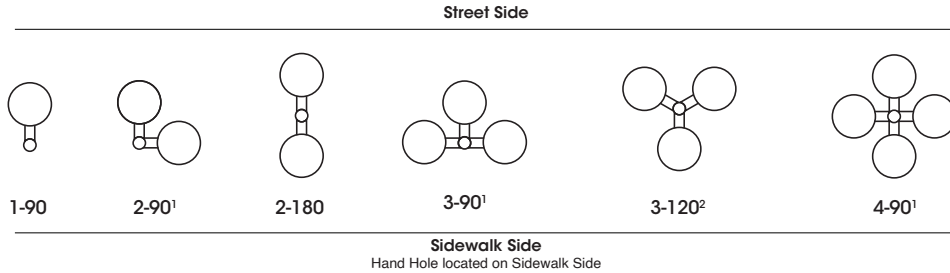
### Finish

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.

Pole Model	Pole Dia.	Pole Height
BF-RNTS4	4"	10' - 24'
BF-RNTS5	5"	16' - 25'
BF-RNTS6	6"	18' - 25'



## DRILLING SIDE MOUNT

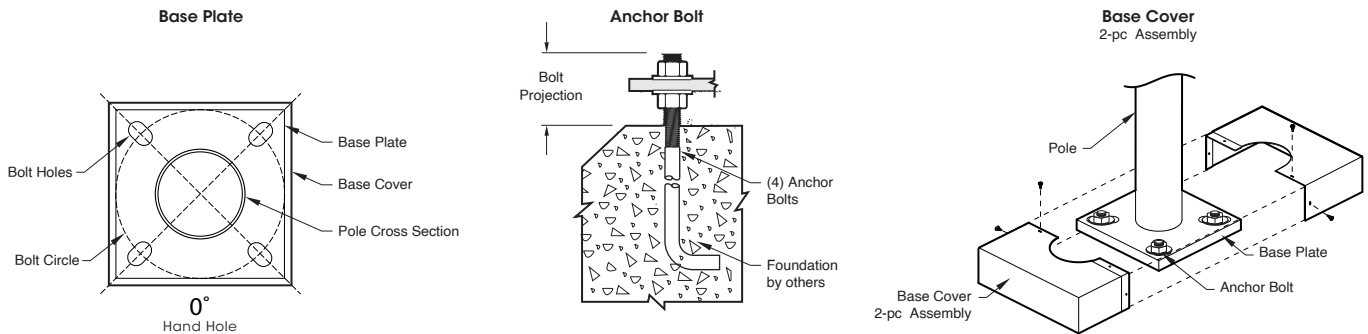


### Notes

- 1 - Poles smaller than 3" Dia. at top, or Non Linear Drilling requires PT27 and T490 Adapter. (Adaptor is rotatable)
- 2 - Poles smaller than 3" Dia. at top, or Non Linear Drilling requires PT27 and T3120 Adapter. (Adaptor is rotatable)

[Drilling template must be provided by customer]

## BOLT CIRCLE









Catalog Number	POLE							ANCHOR BOLTS				ANCHOR PLATE			
	Height		Bottom - Top				Wall Thickness (In/Ga)	Weight (Lbs)	Bolt Size	Bolt Projection above grade <sup>2,3</sup>	Bolt Circle Dia Range <sup>1</sup>	Bolt Circle Dia (In) (Rec.) <sup>1</sup>	Template	Base Plate	Cover
	Ft	M	In	Cm	In	Cm									
HL-RNTS 104-11	10	3.05	4.00	4.00	10.16	10.16	11	66	¾" x 18" x 3"	¾" - ¾"	8" - 11"	9"	HL9	¾" x 10" x 10"	5" x 12" x 12"
HL-RNTS 124-11	12	3.66	4.00	4.00	10.16	10.16	11	76	¾" x 18" x 3"	¾" - ¾"	8" - 11"	9"	HL9	¾" x 10" x 10"	5" x 12" x 12"
HL-RNTS 144-11	14	4.27	4.00	4.00	10.16	10.16	11	86	¾" x 18" x 3"	¾" - ¾"	8" - 11"	9"	HL9	¾" x 10" x 10"	5" x 12" x 12"
HL-RNTS 164-11	16	4.88	4.00	4.00	10.16	10.16	11	96	¾" x 18" x 3"	¾" - ¾"	8" - 11"	9"	HL9	¾" x 10" x 10"	5" x 12" x 12"
HL-RNTS 184-11	18	5.49	4.00	4.00	10.16	10.16	11	106	¾" x 18" x 3"	¾" - ¾"	8" - 11"	9"	HL9	¾" x 10" x 10"	5" x 12" x 12"
HL-RNTS 204-11	20	6.10	4.00	4.00	10.16	10.16	11	116	¾" x 24" x 3"	¾" - ¾"	8" - 11"	10"	HL10	¾" x 10" x 10"	5" x 12" x 12"
HL-RNTS 204-7	20	6.10	4.00	4.00	10.16	10.16	7	163	¾" x 30" x 3"	¾" - ¾"	8" - 11"	11"	HL11	¾" x 10" x 10"	5" x 12" x 12"
HL-RNTS 244-7	24	7.32	4.00	4.00	10.16	10.16	7	192	¾" x 30" x 3"	¾" - ¾"	8" - 11"	11"	HL11	¾" x 10" x 10"	5" x 12" x 12"
HL-RNTS 165-11	16	4.88	5.00	5.00	12.70	12.70	11	129	1" x 36" x 4"	4" - 4½"	10½" - 12½"	12"	HL12	1" x 11½" x 11½"	5" x 12" x 12"
HL-RNTS 185-11	18	5.49	5.00	5.00	12.70	12.70	11	142	1" x 36" x 4"	4" - 4½"	10½" - 12½"	12"	HL12	1" x 11½" x 11½"	5" x 12" x 12"
HL-RNTS 185-7	18	5.49	5.00	5.00	12.70	12.70	7	196	1" x 36" x 4"	4" - 4½"	10½" - 12½"	12"	HL12	1" x 11½" x 11½"	5" x 12" x 12"
HL-RNTS 205-11	20	6.10	5.00	5.00	12.70	12.70	11	154	1" x 36" x 4"	4" - 4½"	10½" - 12½"	12"	HL12	1" x 11½" x 11½"	5" x 12" x 12"
HL-RNTS 205-7	20	6.10	5.00	5.00	12.70	12.70	7	215	1" x 36" x 4"	4" - 4½"	10½" - 12½"	12"	HL12	1" x 11½" x 11½"	5" x 12" x 12"
HL-RNTS 255-11	25	7.62	5.00	5.00	12.70	12.70	11	186	1" x 36" x 4"	4" - 4½"	10½" - 12½"	12"	HL12	1" x 11½" x 11½"	5" x 12" x 12"
HL-RNTS 255-7	25	7.62	5.00	5.00	12.70	12.70	7	261	1" x 36" x 4"	4" - 4½"	10½" - 12½"	12"	HL12	1" x 11½" x 11½"	5" x 12" x 12"
HL-RNTS 186-7	18	5.49	6.00	6.00	15.24	15.24	7	241	1" x 36" x 4"	4" - 4½"	11½" - 14½"	12"	HL12	1" x 13½" x 13½"	5" x 14" x 14"
HL-RNTS 206-7	20	6.10	6.00	6.00	15.24	15.24	7	263	1" x 36" x 4"	4" - 4½"	11½" - 14½"	12"	HL12	1" x 13½" x 13½"	5" x 14" x 14"
HL-RNTS 256-7	25	7.62	6.00	6.00	15.24	15.24	7	319	1" x 36" x 4"	4" - 4½"	11½" - 14½"	12"	HL12	1" x 13½" x 13½"	5" x 14" x 14"

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.

## ORDERING INFORMATION

Spec/Order Example: HL-RNTS205-7/1-90/6005-S

Pole Model Number			Mounting	Finish	Options
	Pole Height	Wall Thickness			
<b>4" Pole Dia.</b>			<b>Tenon Mount</b>	<b>Standard Smooth Finish</b>	
HL-RNTS 104 - 11	10'	11	<b>PT27</b> 2 7/8" X 3" Tenon (Standard)	<b>9005-S</b> Black	<b>VBDS-M2</b> Vibration Dampener 2nd Mode Field Install
HL-RNTS 124 - 11	12'	11	<b>PT23</b> 2 3/8" X 3" Tenon	<b>9003-S</b> White	
HL-RNTS 144 - 11	14'	11	<b>PT276</b> 2 7/8" X 6" Tenon	<b>7004-S</b> Grey	
HL-RNTS 164 - 11	16'	11	<b>Other Tenon Mt</b>	<b>8019-S</b> Dark Bronze	
HL-RNTS 184 - 11	18'	11		<b>6005-S</b> Green	
HL-RNTS 204 - 11	20'	11			
HL-RNTS 204 - 7	20'	7			
HL-RNTS 244 - 7	24'	7			
<b>5" Pole Dia.</b>			<b>Drill Mount</b>	<b>Premium Finishes</b>	
HL-RNTS 165 - 11	16'	11	<b>1-90</b> 	Custom Specify RAL#	
HL-RNTS 185 - 11	18'	11	<b>2-180</b> 	<b>GLV</b> Galvanized	
HL-RNTS 185 - 7	18'	7	<b>2-90</b> 		
HL-RNTS 205 - 11	20'	11	<b>3-90</b> 		
HL-RNTS 205 - 7	20'	7	<b>4-90</b> 		
HL-RNTS 255 - 11	25'	11	<b>3-120</b> 		
HL-RNTS 255 - 7	25'	7			
<b>6" Pole Dia.</b>					
HL-RNTS 186 - 7	18'	7			
HL-RNTS 206 - 7	20'	7			
HL-RNTS 256 - 7	25'	7			
Other heights available Please consult factory			3-120 requires PT27 and T3120 Adapter		
			2-90, 3-90, 4-90 requires PT27 and T490 Adapter		
			<b>[Drilling template must be provided by customer]</b>		
					<b>Receptacle</b>
					<b>GFI</b> G.F.I. Receptacle w/ Cover
					<b>GFI-IU</b> G.F.I. Receptacle w/ In-Use Cover
					<b>[Specify GFI location: Height and Direction]</b> See Location Diagram below
					<b>T3120</b> 3 Way Adapter
					<b>T490</b> 4 Way Adapter
					<b>[Drilling template must be provided by customer]</b>
					<b>Coupling</b>
					<b>CPLN12</b> 1/2" Coupling
					<b>CPLN34</b> 3/4" Coupling
					<b>CPLN114</b> 1 1/4" Coupling
					<b>CPLN112</b> 1 1/2" Coupling
					<b>CPLN2</b> 2" Coupling
					<b>[Specify Coupling location: Height and Direction]</b> See Location Diagram below
					<b>Nipple</b>
					<b>NPLE12</b> 1/2" Nipple
					<b>NPLE34</b> 3/4" Nipple
					<b>NPLE114</b> 1 1/4" Nipple
					<b>NPLE112</b> 1 1/2" Nipple
					<b>NPLE2</b> 2" Nipple
					<b>[Specify Coupling location: Height and Direction]</b> See Location Diagram below

## ACCESSORIES



**GFI**  
Duplex GFI  
w/ Cover



**GFI-IU**  
Duplex GFI  
w/ In-Use Cover



**T3120**  
3 Way Adapter



**T490**  
4 Way Adapter

(Drilling template must be provided by customer)



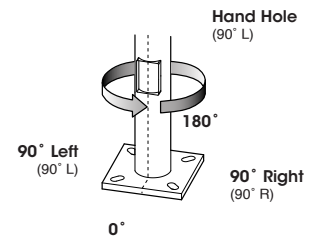
**CPLN**  
1/2", 3/4", 1 1/4", 1 1/2",  
or 2" Coupling



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

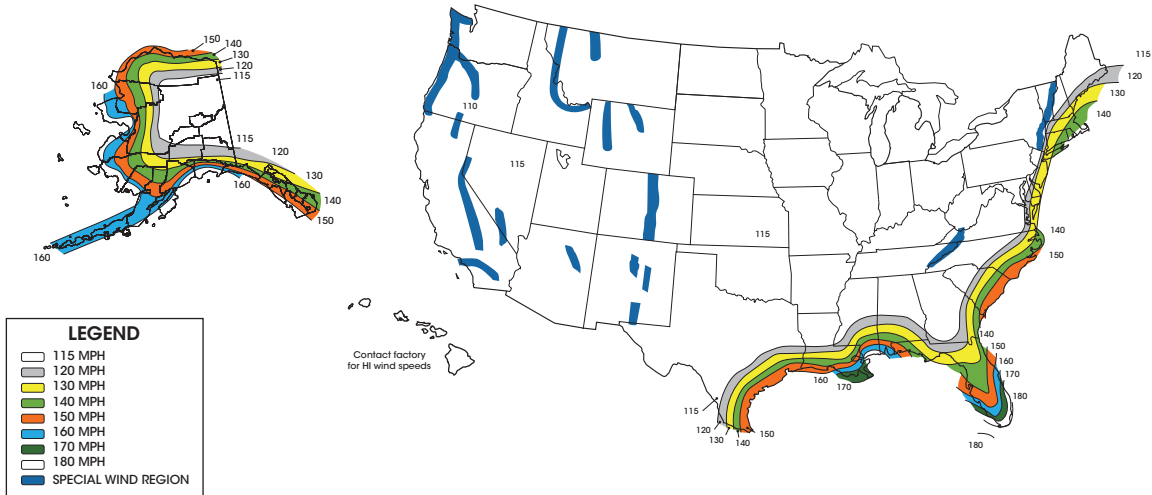
### Location Diagram

Please use this diagram to indicate placement location



Refer to the Accessories Section for other options

## WIND MAP



### EPA INFORMATION (ft<sup>2</sup>)

(per AASHTO LRFDLTS-1 revised 2022)

Cat. 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
HL-RNTS 104-11	300 - 252*	15.0	15.0	15.0	15.0	14.4	12.4	10.6	9.0	8.2	7.2
HL-RNTS 124-11	300 - 182*	15.0	15.0	15.0	13.6	11.2	9.6	7.8	6.8	6.2	5.2
HL-RNTS 144-11	300 - 143.5*	15.0	13.5	12.1	10.9	9.1	7.5	6.3	5.1	4.7	4.1
HL-RNTS 164-11	300 - 87.5*	13.1	10.3	9.1	8.1	6.7	5.1	4.1	3.5	3.3	2.5
HL-RNTS 184-11	300 - 66.5*	10.9	8.3	7.3	6.7	4.9	3.7	2.9	2.7	2.3	1.9
HL-RNTS 204-11	300 - 60*	9.0	7.0	5.8	5.0	3.6	2.6	1.8	1.4	1.3	1.2
HL-RNTS 204-7	300 - 105*	15.0	14.0	12.1	9.4	7.8	6.4	4.8	4.2	3.6	3.0
HL-RNTS 244-7	300 - 60*	10.2	8.0	6.3	5.0	3.9	3.0	2.2	1.8	1.5	0.9
HL-RNTS 165-11	300 - 262.5*	15.0	15.0	15.0	15.0	15.0	13.3	10.7	9.1	7.5	
HL-RNTS 185-11	300 - 182*	15.0	15.0	15.0	15.0	15.0	12.8	10.0	8.0	6.6	5.2
HL-RNTS 185-7	300 - 217*	15.0	15.0	15.0	15.0	14.6	12.2	9.6	8.0	6.2	
HL-RNTS 205-11	300 - 129.5*	15.0	12.5	10.9	9.1	7.8	6.6	5.5	4.8	4.3	3.7
HL-RNTS 205-7	300 - 154*	15.0	15.0	15.0	15.0	14.8	12.0	9.2	7.2	5.8	4.4
HL-RNTS 255-11	300 - 60*	9.4	6.8	5.4	5.0	4.0	3.2	2.6	1.8	1.8	1.4
HL-RNTS 255-7	300 - 126*	15.0	12.6	10.8	9.6	8.2	6.8	5.8	4.6	4.2	3.6
HL-RNTS 186-7	300	15.0	15.0	15.0	15.0	15.0	15.0	13.5	12.1	10.5	
HL-RNTS 206-7	300	15.0	15.0	15.0	15.0	15.0	15.0	13.6	11.8	10.4	9.2
HL-RNTS 256-7	300	15.0	15.0	15.0	15.0	15.0	15.0	14.2	12.0	10.2	8.8

### EPA INFORMATION (ft<sup>2</sup>)

(per 2020 FL Building Code)

Cat. No.	Weight Capacity Maximum (Lbs.)	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH
HL-RNTS 104-11	300 - 154*	8.6	7.8	7.1	6.5	5.5	5.0	4.4
HL-RNTS 124-11	224 - 112*	6.4	5.8	5.3	4.8	4.2	3.8	3.2
HL-RNTS 144-11	179 - 87.5*	5.1	4.7	4.2	3.9	3.1	2.9	2.5
HL-RNTS 164-11	115.5 - 60*	3.3	3.0	2.8	2.5	2.1	2.0	1.5
HL-RNTS 184-11	84 - 60*	2.4	2.1	2.0	1.8	1.7	1.4	1.2
HL-RNTS 204-11	168 - 60*	4.8	3.4	2.5	1.7	1.3	1.2	1.1
HL-RNTS 204-7	300 - 101.5*	8.9	7.4	6.1	4.6	4.0	3.4	2.9
HL-RNTS 244-7	168 - 60*	4.8	3.7	2.9	2.1	1.7	1.4	0.9
HL-RNTS 165-11	300 - 161*	10.8	9.8	9.0	8.1	6.5	5.6	4.6
HL-RNTS 185-11	283.5 - 112*	8.1	7.4	6.7	6.1	4.9	4.0	3.2
HL-RNTS 185-7	300 - 133*	9.9	9.0	8.2	7.5	5.9	4.9	3.8
HL-RNTS 205-11	300 - 122.5*	8.6	7.4	6.3	5.2	4.6	4.1	3.5
HL-RNTS 205-7	262.5 - 94.5*	7.5	6.8	6.2	5.6	4.4	3.5	2.7
HL-RNTS 255-11	73.5 - 60*	2.1	1.9	1.8	1.6	1.4	1.1	0.9
HL-RNTS 255-7	164.5 - 77*	4.7	4.3	3.9	3.5	3.0	2.6	2.2
HL-RNTS 186-7	300 - 224*	12.2	11.1	10.1	9.2	8.3	7.4	6.4
HL-RNTS 206-7	300 - 196*	11.1	10.1	9.2	8.3	7.2	6.4	5.6
HL-RNTS 256-7	238 - 112*	6.8	6.2	5.7	5.1	4.3	3.7	3.2

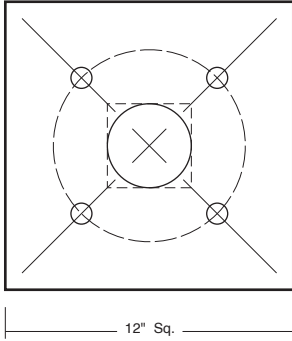
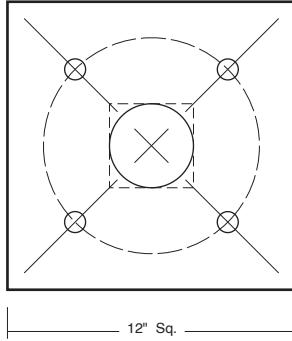
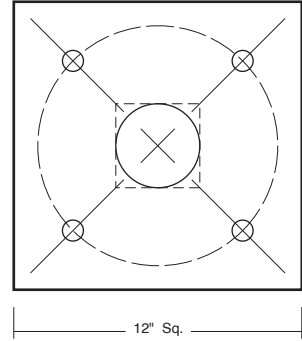
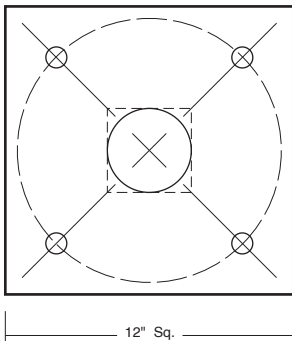
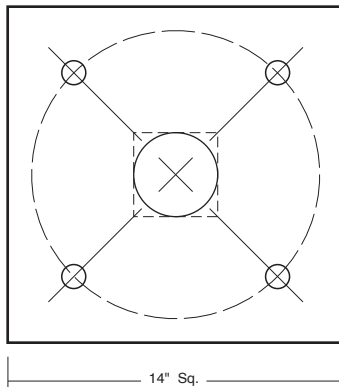
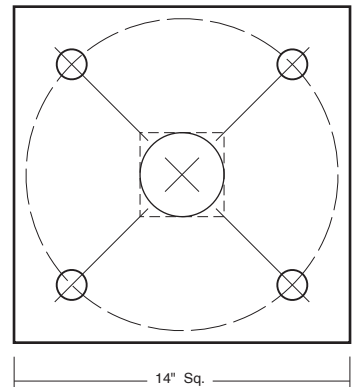
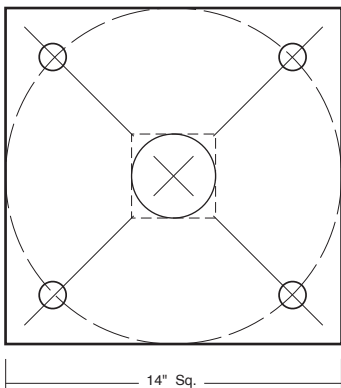
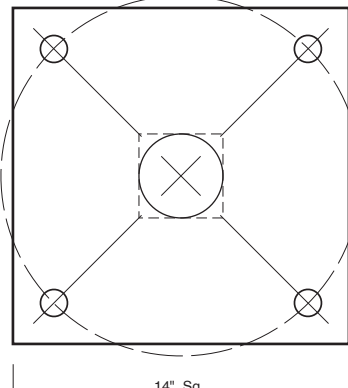
\* Please use the following to obtain the proper weight capacity: The maximum fixture weight equals 60 lbs. or the product of 35 lbs. x the EPA value, whichever is greater, not to exceed 300 lbs. Example, EPA = 2.2 , weight = 35 lbs. x 2.2 EPA = 77 lbs.

#### 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.
- 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 installation have been known to fail due to high pole vibrations. Replace with note 1 above
- Pole installations with a combined (fixtures, banners, flags, etc.) of less than 0.75 ft<sup>2</sup> EPA and 25 feet or taller should be installed with a vibration dampener. Please consult with your site structural engineer.

**ANCHOR BOLT TEMPLATES**
**HL8**  
8" Bolt Circle

**HL9**  
9" Bolt Circle

**HL10**  
10" Bolt Circle

**HL11**  
11" Bolt Circle

**HL12**  
12" Bolt Circle

**HL13**  
13" Bolt Circle

**HL14**  
14" Bolt Circle

**HL15**  
15" Bolt Circle

**HL16**  
16" Bolt Circle
