MEDINAH POWER

SSS Series Poles

Square Straight Steel Poles

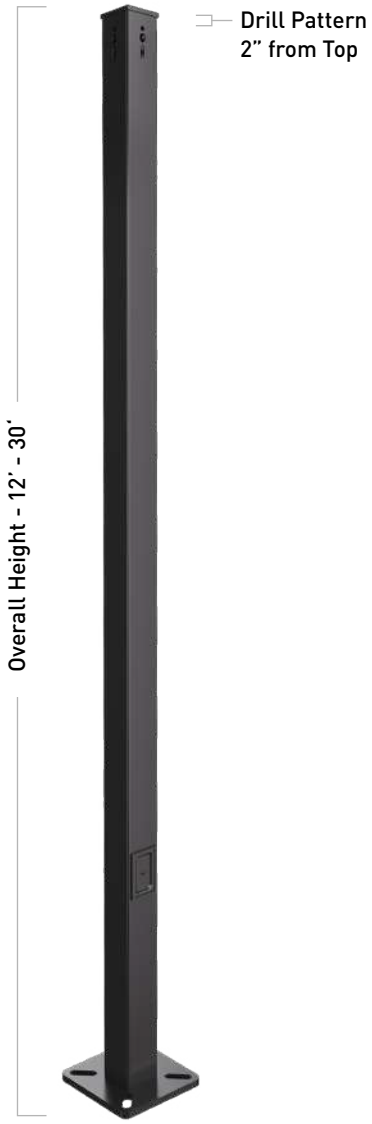
DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CONSTRUCTION: _____

Description

The SSS square straight steel poles are designed for top or side mounted luminaries, with a new universal drill pattern on all four sides of the pole. Polycarbonate black plugs are included to cover all unused holes (12 total). SSS poles are stocked in 12', 15', 17', 20', 25' and 30' lengths in a bronze finish. Pole includes pole cap, base plate cover, hand-hole cover, anchor bolts, anchor bolt template and pole plugs.



Construction

- Galvanized steel exceeds ASTM A500 Grade C (IS 2062 E350) with minimum yield strength of 50,000 PSI
- Corrosion resistant and durable bronze finish
  - Hot dip galvanized (3 mil min) base coat with TGIC-free polyester powder coat finish (3 mil min), meets 1000 hour salt fog rating per ASTM B117 and 1000 hour QUV accelerated weathering per ASTM G154
- Base plates constructed of high strength ASTM A36 steel with 36,000 PSI minimum yield strength
- Galvanized high strength ASTM A55 anchor bolts (set of 4) with 55,000 PSI minimum yield strength
- Pre-drilled universal hole pattern on all four sides for flexible luminaire attachment (accommodates 2"-3" on-center hole patterns)

Installation

- Pole includes spring-loaded polycarbonate pole cap, easily secured 2-piece base plate cover, cold rolled carbon steel hand hole cover with ground screw, anchor bolts and bolt circle template
- 12 Plugs provided to seal unused drill holes at top of pole

Warranty

- 1 Year limited warranty

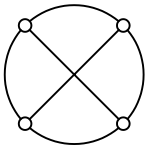
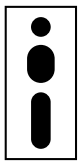
Ordering Information & Specs at a Glance

Catalog Number	Height	Nominal Shaft Dimensions	Wall Thickness	Bolt Circle	Bolt Circle (Range)	Bolt Square (Range)	Base Plate Square	Anchor Bolt Size	Bolt Projection	Pole Weight
SSS-4-G11-12-BZ	12 ft.	4"	0.119"	9"	8" - 11"	5.66" - 7.78"	10.5"	3/4"x 30"x 4"	3.5"	120 lbs
SSS-4-G11-15-BZ	15 ft.	4"	0.119"	9"	8" - 11"	5.66" - 7.78"	10.5"	3/4"x 30"x 4"	3.5"	127 lbs
SSS-4-G11-17-BZ	17 ft.	4"	0.119"	9"	8" - 11"	5.66" - 7.78"	10.5"	3/4"x 30"x 4"	3.5"	139 lbs
SSS-4-G11-20-BZ	20 ft.	4"	0.119"	9"	8" - 11"	5.66" - 7.78"	10.5"	3/4"x 30"x 4"	3.5"	157 lbs
SSS-4-G11-25-BZ	25 ft.	4"	0.119"	9"	8" - 11"	5.66" - 7.78"	10.5"	3/4"x 30"x 4"	3.5"	188 lbs
SSS-5-G11-25-BZ	25 ft.	5"	0.119"	11"	10.5" - 12"	7.47" - 8.63"	11"	1"x 36"x 4"	3.5"	-
SSS-5-G11-30-BZ	30 ft.	5"	0.119"	11"	10.5" - 12"	7.47" - 8.63"	11"	1"x 36"x 4"	3.5"	275 lbs
SSS-5-G07-30-BZ	30 ft.	5"	0.179"	11"	10.5" - 12"	7.47" - 8.63"	11"	1"x 36"x 4"	3.5"	386 lbs

Anchor bolts : **JB3044** - Set of 4, 3/4"x 30" (included with 4" pole)
JB3644 - Set of 4, 1"x 36" (included with 5" pole)

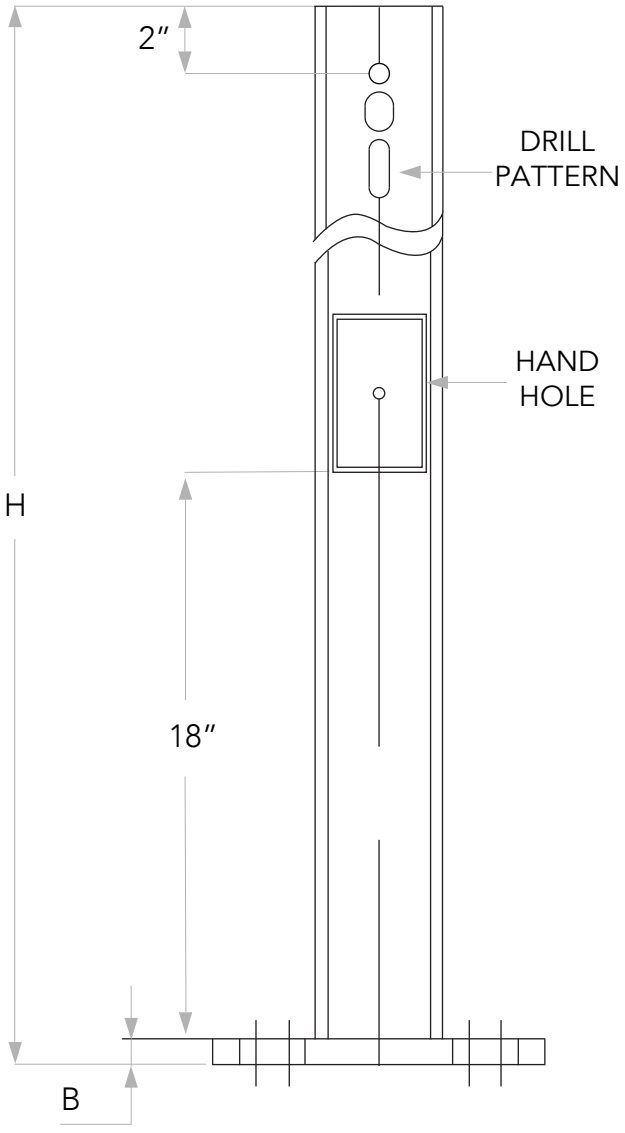
	25 ft.	5"	0.119"	9"	8" - 11"	5.66" - 7.78"	10.5"	3/4"x 30"x 4"	3.5"	188 lbs

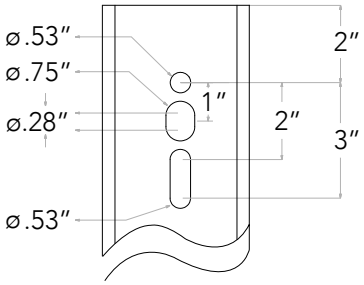
Included Accessories

Anchor Bolts	Base Plate Cover	Pole Cap (Black)	Hand Hole Cover	Template	Plugs (12 Total)
 **JB3044** for 4" poles **JB3644** for 5" poles					

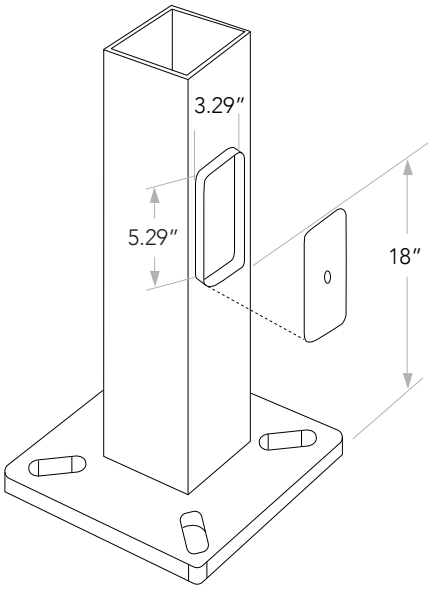
Dimensions

H	B
15'-25'	0.75"
30'	1"

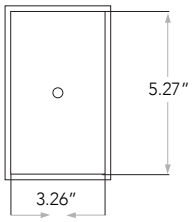




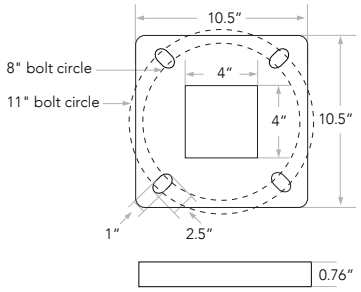
DRILL
PATTERN
(TOP OF POLE)



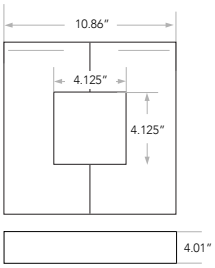
HAND
HOLE COVER



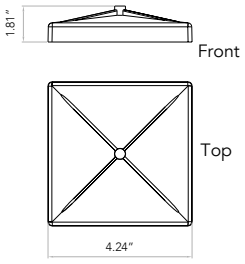
4" x 4" Pole Shaft



4x4 BASE PLATE

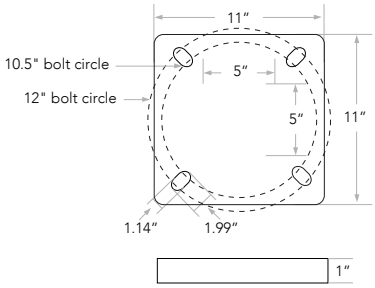


BASE PLATE COVER
INCLUDED (PACKAGED SEPARATELY)

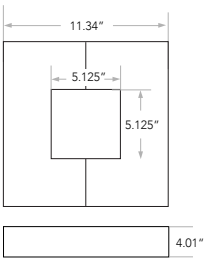


POLE CAP (INCLUDED)

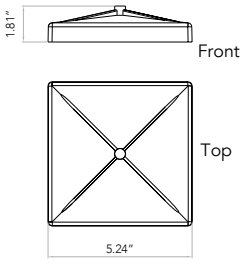
5" x 5" Pole Shaft



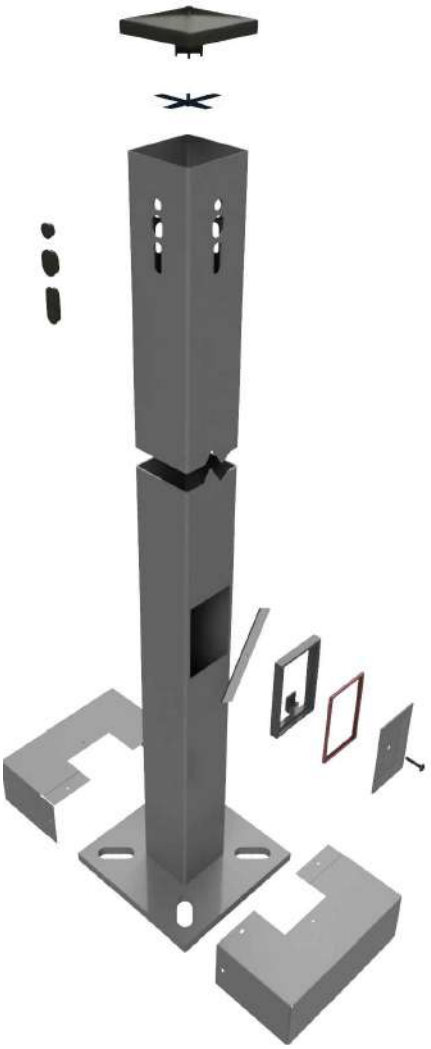
5x5 BASE PLATE



BASE PLATE COVER
INCLUDED (PACKAGED SEPARATELY)

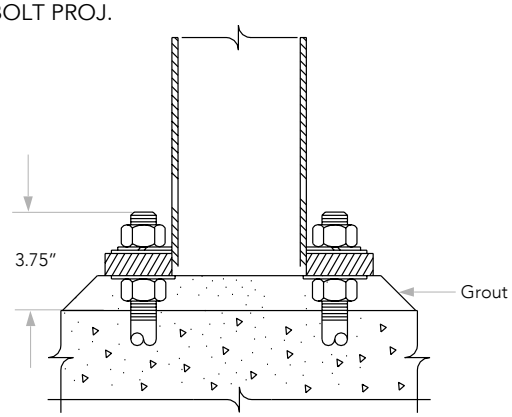


POLE CAP (INCLUDED)



Anchor Bolts

BOLT PROJ.



Mounting A



4"/5" Vertical Square
Single Tenon, Bronze

PM-SSS-4-VT-S360
PM-SSS-5-VT-S360



4"/5" Horizontal Twin/Dual
Tenon 180°, Bronze

PM-SSS-4-HT-D180
PM-SSS-5-HT-D180



4"/5" Horizontal Twin/Dual
Tenon 90°, Bronze

PM-SSS-4-HT-D090
PM-SSS-5-HT-D090



4"/5" Horizontal
Tri Tenon 90°, Bronze

PM-SSS-4-HT-T090
PM-SSS-5-HT-T090



4"/5" Horizontal
Quad Tenon 90°, Bronze

PM-SSS-4-HT-Q090
PM-SSS-5-HT-Q090

Direct fitment to pole



Vertical Tri Tenon 30",
Bronze

PM-SSS-0-VT-T180-30



Vertical Tri Tenon 54",
Bronze

PM-SSS-0-VT-T180-54



Vertical Twin Dual
Tenon, Bronze

PM-SSS-0-VT-D180



Vertical 90° Quad
Tvenon, Bronze

PM-SSS-0-VT-Q090



Dual 180° Bullhorn, Bronze

PM-SSS-0-BH-D180



Tri 180° Bullhorn, Bronze

PM-SSS-0-BH-T180



Tri 120° Bullhorn, Bronze

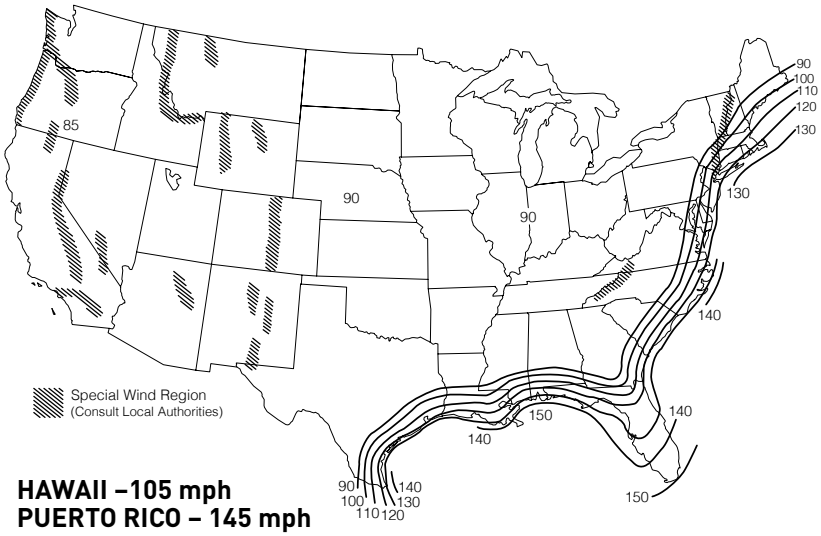
PM-SSS-0-BH-T120



Quad 90° Bullhorn, Bronze

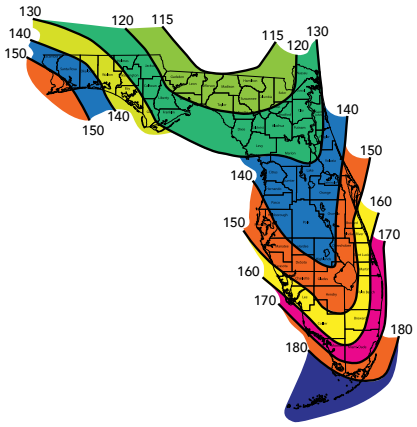
PM-SSS-0-BH-Q090

ASCE7-05 WIND MAP



HAWAII –105 mph
PUERTO RICO – 145 mph

FLORIDA REGION WIND MAP



Florida region wind map above is based upon 3-second gust winds and the 2017 Florida Building Code

Allowable Wind Loading (AASHTO LRFDLTS-1)									
Catalog Number	Mounting Height (ft)	90 mph	100 mph	110 mph	120 mph	130 mph	150 mph	Anchor Bolt	
		EPA (ft²)	EPA (ft²)	EPA (ft²)	EPA (ft²)	EPA (ft²)	EPA (ft²)	Diameter (in)	Length (in)
SSS-4-G11-12-BZ	12	16.0	13.0	10	8	6.5	4	0.75	30
SSS-4-G11-15-BZ	15	11.5	8.9	6.5	5	3.8	1.9	0.75	30
SSS-4-G11-17-BZ	17	12.0	12.0	9.9	7.6	5.9	3.3	0.75	30
SSS-4-G11-20-BZ	20	12.0	9.1	6.7	4.8	3.4	1.3	0.75	30
SSS-4-G11-25-BZ	25	7.0	4.6	2.7	1.3	0.3	-	0.75	30
SSS-5-G11-25-BZ	25	5.6	2.7	0.6	-	-	-	1.00	36
SSS-5-G11-30-BZ	30	5.6	2.7	0.6	-	-	-	1.00	36
SSS-5-G07-30-BZ	30	11.7	7.8	4.8	2.5	0.8	-	1.00	36

- Applications: Lighting installations for side and top mounting of luminaires with an effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location.
- Allowable EPA, to determine max pole loading weight, multiply allowable EPA by 30 lbs.
- The Wind Maps are intended only as a general guide. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application.
- Allowable pole EPA for jobsite wind conditions must be equal to or greater than the total EPA for fixtures, arms, and accessories to be assembled to the pole. The responsibility lies with the specifier for correct pole selection. Installation of poles without luminaires or attachment of any unauthorized accessories to poles is discouraged and shall void the manufacturer's warranty.
- Wind speeds and listed EPAs are for ground-mounted installations. Poles mounted on structures (such as bridges and buildings) must consider vibration and coefficient of height factors beyond this general guide; Consult local and federal standards.
- Wind induced vibration brought on by steady, unidirectional winds and other unpredictable aerodynamic forces are not included in wind velocity ratings.
- Extreme wind events like hurricanes, typhoons, cyclones, or tornadoes may expose poles to flying debris, wind shear or other detrimental effects not included in wind velocity ratings. Due to our continued efforts to improve our products, product specifications are subject to change without notice.
- Factory supplied template must be used when setting anchor bolts. Medinah Power will deny any warranty claim for incorrect anchorage placement resulting from failure to use factory supplied template and anchor bolts.
- For the diameter and depth of concrete pads for anchor bolts, please consult a qualified engineer.