



Round Aluminum Tapered Pole - PAT Series

Specifications



Shaft

Round aluminum shaft fabricated from high grade mechanical tube with a minimum yield strength of 46,000 psi, conforming to ASTM A500 Grade B specifications. Overall pole height is measured from bottom of base plate to the pole top. Note: tenon height not included in specified pole height.

Handhole / Grounding

Reinforced hand hole is furnished with cover. All fasteners are stainless steel. All poles include internal ground lug / nut welded to the pole shaft within handhole.

Baseplate

Pole shaft is welded to a baseplate w/ 4-bolt pattern – baseplate size and bolt circle vary based on pole size.

Mounting

Specify drill pattern & configuration or select tenon option.

Anchorbolts

Anchorbolts are equipped with (2) galvanized nuts and (2) washers per bolt, size and length vary based on selected pole size. All anchorbolts are hot dip galvanized carbon steel with minimum yield strength of 50,000 psi.

Pole Top Cap

Standard drill-mount poles include black removable top cap.

Powder Coat Finish

Thermoset polyester powder coats undergo sandblast treatment to ensure optimal adhesion and surface integrity. Each coating is meticulously applied to achieve a uniform thickness of 2-4 mils. Galvanized and marine grade finish can be specified.

Base Cover

Poles are equipped with easy assembly 2-Piece square base cover to conceal and protect base cover and anchorbolts. For more architectural base cover options, contact a Zuma representative.



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Item	Height (ft)	Pole Type	Wall Thickness	Butt Diameter	Top Diameter	Bolt Circle ¹	Mounting ²	Finish	Options
PAT Tapered Aluminum Pole	10	R Round	120 .120 in	4 4" OD	3 3" OD	BCXX³	XM No drilling, no tenon	BZ8 Zuma Bronze	GFIP GFIP (provision only)
	12		156 .156 in	5 5" OD	4 4" OD		S1 Single Drilling	BK GT Black	MGF Marine Grade Finish
	15		188 .188 in	6 6" OD			D180 Double 180° Drilling	SL Iridium Silver	EYE Eyebolt (specify location)
	20		250 .25 in	7 7" OD			D90 Double 90° Drilling	WH Alpine White	BAA⁴ Buy America Act Compliant
	25		312 .312 in	8 8" OD			T90 Triple Drilling	GRY Granite Gray	BABA⁴ Build America, Buy America Compliant
	30			9 9" OD			Q90 Quad Drilling	GRN Moss Green	LAB Less Anchor Bolts
	35			10 9" OD			TN3 3" OD x 4" length	CC Custom	CSTP Custom Provision
	40						TN238 2-3/8" OD x 4" length	WGF Woodgrain Finish	VD Vibration Damper
CH Custom Height							TNC Custom Tenon		

- 1 Smaller baseplate sizes are available only for select pole sizes. Please refer to product specifications or contact us for compatibility details.
- 2 Standard drill location for fixture mounting is 2" below top of pole. Reference page 5 for specific mounting options.
- 3 Contact sales for bolt circle details
- 4 Consult our sales team for detailed information on compliance with domestic manufacturing regulations.





ZUMALIGHTING

Project _____

Type _____

Qty _____

Company _____

Part # _____

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*Contact sales team for additional size options.

Part #	Nominal Height (ft)	Wall Thickness (in.)	Butt Dia. (in.)	Min. ¹ Base plate (in.)	Min. ¹ Bolt Circle (in.)	Anchorbolts (in.)	90 mph Max Weight	100 mph Max Weight	110 mph Max Weight	120 mph Max Weight	130 mph Max Weight
PAT-10-R-125-4	10	0.125	4"	9"	8" dia.	3/4" x 24"	8.4 EPA 75lbs	6.6 EPA 75 lbs	6.0 EPA 75lbs	4.8 EPA 75lbs	4.0 EPA 75lbs
PAT-10-R-188-4	10	0.188	4"	9"	8" dia.	3/4" x 24"	12.6 EPA 100lbs	10.0 EPA 100lbs	9.2 EPA 100lbs	7.4 EPA 100lbs	6.2 EPA 100lbs
PAT-10-R-125-5	10	0.125	5"	9"	8" dia.	3/4" x 24"	16.6 EPA 100lbs	13.0 EPA 100lbs	12.2 EPA 100lbs	10.0 EPA 100lbs	8.2 EPA 100lbs
PAT-10-R-188-5	10	0.125	4"	9"	8" dia.	3/4" x 24"	6.4 EPA 50lbs	4.8 EPA 50lbs	4.4 EPA 50lbs	3.4 EPA 50lbs	2.6 EPA 50lbs
PAT-12-R-188-5	12	0.188	5"	9"	8" dia.	3/4" x 24"	18.6 EPA 100lbs	14.6 EPA 100lbs	13.6 EPA 100lbs	11.2 EPA 100lbs	9.5 EPA 100lbs
PAT-12-R-188-4	12	0.188	4"	9"	8" dia.	3/4" x 24"	9.6 EPA 85lbs	7.4 EPA 85lbs	6.8 EPA 85lbs	5.6 EPA 85lbs	4.4 EPA 85lbs
PAT-12-R-125-5	12	0.125	5"	9"	8" dia.	3/4" x 24"	12.6 EPA 100lbs	10.0 EPA 100lbs	9.2 EPA 100lbs	7.4 EPA 100lbs	6.0 EPA 100lbs
PAT-12-R-188-5	12	0.188	5"	9"	8" dia.	3/4" x 24"	19.2 EPA 100lbs	15.2 EPA 100lbs	14.2 EPA 100lbs	11.6 EPA 100lbs	9.6 EPA 100lbs
PAT-14-R-125-6	14	0.125	4"	9"	8" dia.	3/4" x 24"	4.8 EPA 25lbs	3.6 EPA 25lbs	3.2 EPA 25lbs	2.4 EPA 25lbs	1.8 EPA 25lbs
PAT-14-R-188-4	14	0.188	4"	9"	8" dia.	3/4" x 24"	7.6 EPA 60lbs	5.8 EPA 60lbs	5.2 EPA 60lbs	4.0 EPA 60lbs	3.2 EPA 60lbs
PAT-14-R-188-5	14	0.125	5"	9"	8" dia.	3/4" x 24"	10.0 EPA 90lbs	7.6 EPA 90lbs	7.0 EPA 90lbs	5.6 EPA 90lbs	4.4 EPA 90lbs
PAT-14-R-156-5	14	0.156	5"	9"	8" dia.	3/4" x 24"	12.8 EPA 100lbs	9.8 EPA 100lbs	9.0 EPA 100lbs	7.4 EPA 100lbs	6.0 EPA 100lbs
PAT-14-R-188-5	14	0.188	5"	9"	8" dia.	3/4" x 24"	15.4 EPA 100lbs	12.0 EPA 100lbs	11.2 EPA 100lbs	9.0 EPA 100lbs	7.4 EPA 100lbs
PAT-16-R-188-4	16	0.188	4"	9"	8" dia.	3/4" x 24"	6.0 EPA 35lbs	4.4 EPA 35lbs	4.0 EPA 35lbs	3.0 EPA 35lbs	2.2 EPA 35lbs
PAT-16-R-125-5	16	0.125	5"	9"	8" dia.	3/4" x 24"	8.0 EPA 60lbs	6.0 EPA 60lbs	5.4 EPA 60lbs	4.2 EPA 60lbs	3.2 EPA 60lbs
PAT-16-R-156-5	16	0.156	5"	9"	8" dia.	3/4" x 24"	10.2 EPA 85lbs	7.8 EPA 85lbs	7.2 EPA 85lbs	5.6 EPA 85lbs	4.6 EPA 85lbs
PAT-16-R-156-5	16	0.156	5"	9"	8" dia.	3/4" x 24"	9.8 EPA 90lbs	7.4 EPA 90lbs	6.6 EPA 90lbs	5.2 EPA 90lbs	4.4 EPA 90lbs
PAT-16-R-188-5	16	0.188	5"	9"	8" dia.	3/4" x 24"	12.6 EPA 100lbs	9.8 EPA 100lbs	9.0 EPA 100lbs	7.2 EPA 100lbs	5.8 EPA 100lbs
PAT-16-R-188-6	16	0.188	6"	12"	9" dia.	1" x 36"	24.2 EPA 100lbs	19.0 EPA 100lbs	17.6 EPA 100lbs	14.6 EPA 100lbs	12.2 EPA 100lbs
PAT-18-R-125-5	18	0.125	5"	9"	8" dia.	3/4" x 24"	6.4 EPA 40lbs	4.6 EPA 40lbs	4.2 EPA 40lbs	3.0 EPA 40lbs	2.2 EPA 40lbs
PAT-18-R-156-5	18	0.156	5"	9"	8" dia.	3/4" x 24"	8.2 EPA 60lbs	6.2 EPA 60lbs	5.6 EPA 60lbs	4.2 EPA 60lbs	3.4 EPA 60lbs
PAT-18-R-188-5	18	0.188	5"	9"	8" dia.	3/4" x 24"	10.2 EPA 85lbs	7.8 EPA 85lbs	7.0 EPA 85lbs	5.4 EPA 85lbs	4.4 EPA 85lbs
PAT-18-R-156-6	18	0.156	6"	12"	9" dia.	1" x 36"	16.2 EPA 100lbs	12.4 EPA 100lbs	11.6 EPA 100lbs	9.4 EPA 100lbs	7.8 EPA 100lbs
PAT-18-R-188-5	18	0.156	6"	12"	9" dia.	1" x 36"	20.0 EPA 100lbs	15.6 EPA 100lbs	14.4 EPA 100lbs	11.8 EPA 100lbs	10.0 EPA 100lbs
PAT-20-R-125-5	20	0.125	5"	9"	8" dia.	3/4" x 24"	5.0 EPA 30lbs	3.4 EPA 30lbs	3.0 EPA 30lbs	2.0 EPA 30lbs	1.4 EPA 30lbs
PAT-20-R-156-5	20	0.156	5"	9"	8" dia.	3/4" x 24"	6.6 EPA 40lbs	4.8 EPA 40lbs	4.2 EPA 40lbs	3.2 EPA 40lbs	2.2 EPA 40lbs
PAT-20-R-188-5	20	0.188	5"	9"	8" dia.	3/4" x 24"	8.4 EPA 55lbs	6.2 EPA 55lbs	5.6 EPA 55lbs	4.2 EPA 55lbs	3.2 EPA 55lbs
PAT-20-R-125-6	20	0.125	6"	12"	9" dia.	1" x 36"	10.0 EPA 85lbs	7.4 EPA 85lbs	6.8 EPA 85lbs	5.4 EPA 85lbs	4.4 EPA 85lbs
PAT-20-R-156-6	20	0.156	6"	12"	9" dia.	1" x 36"	13.2 EPA 100lbs	10.0 EPA 100lbs	9.2 EPA 100lbs	7.4 EPA 100lbs	6.2 EPA 100lbs
PAT-20-R-188-6	20	0.188	6"	12"	9" dia.	1" x 36"	16.6 EPA 100lbs	12.8 EPA 100lbs	11.8 EPA 100lbs	9.6 EPA 100lbs	8.0 EPA 100lbs
PAT-25-R-156-6	25	0.156	6"	12"	9" dia.	1" x 36"	8.0 EPA 60lbs	5.6 EPA 60lbs	5.0 EPA 60lbs	4.0 EPA 60lbs	3.2 EPA 60lbs
PAT-25-R-188-6	25	0.188	6"	12"	9" dia.	1" x 36"	10.4 EPA 85lbs	7.6 EPA 85lbs	7.0 EPA 85lbs	5.4 EPA 85lbs	4.4 EPA 85lbs

¹ Values above show minimum value for base plate and bolt circle. These values may be larger than what's shown above. Contact sales for additional details.

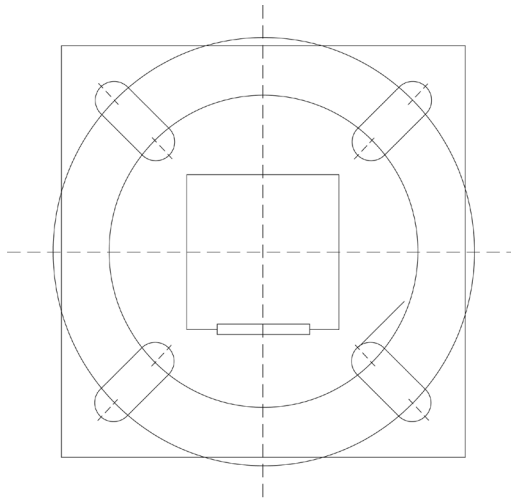
ADDITIONAL NOTES

- All wind loading calculations assume sustained wind forces plus an additional gust factor of 1.3.
- The attachment of flags, banners, streamers, ropes, or any other items to poles will void Zuma Lighting's normal product guarantee. These attachments may also create hazardous conditions.
- Installing poles without their designated luminaire(s) compromises pole strength and can lead to potential failures.
- Any accessories or modifications made in the field, including but not limited to banner arms, signage, and cameras, compromise the structural integrity of the pole. All modifications require factory evaluation and approval prior to order placement. Local structural engineer approval is also recommended.
- Proper performance of light poles is dependent on the pole being securely attached to a suitably designed supporting foundation. Failure to adhere to this requirement may result in pole failure.

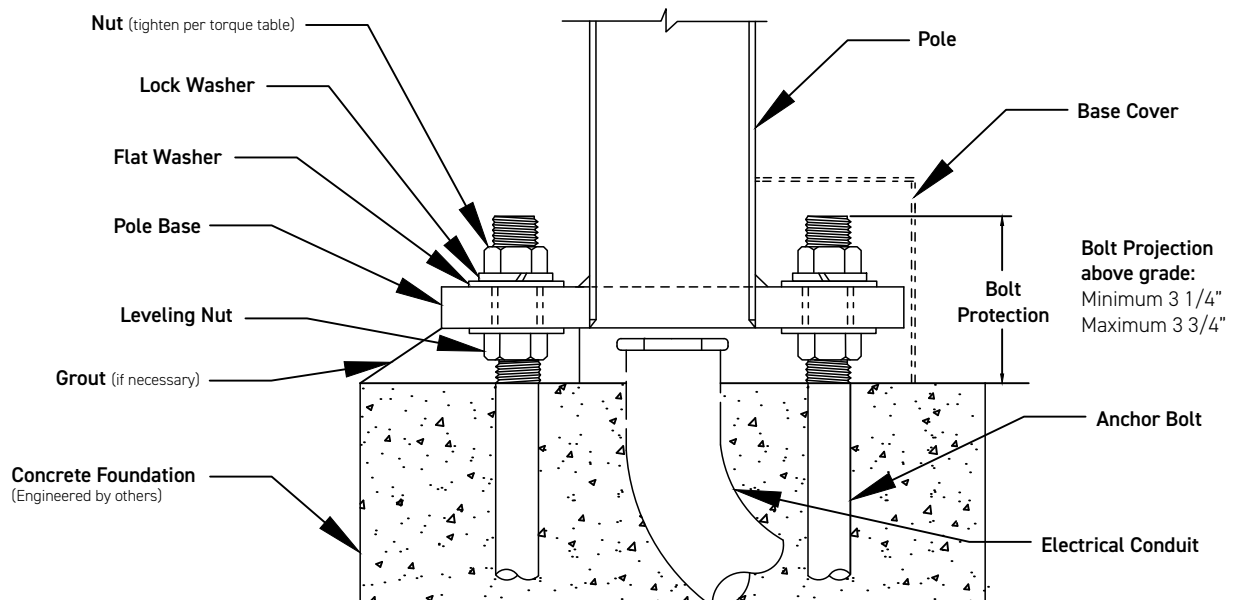
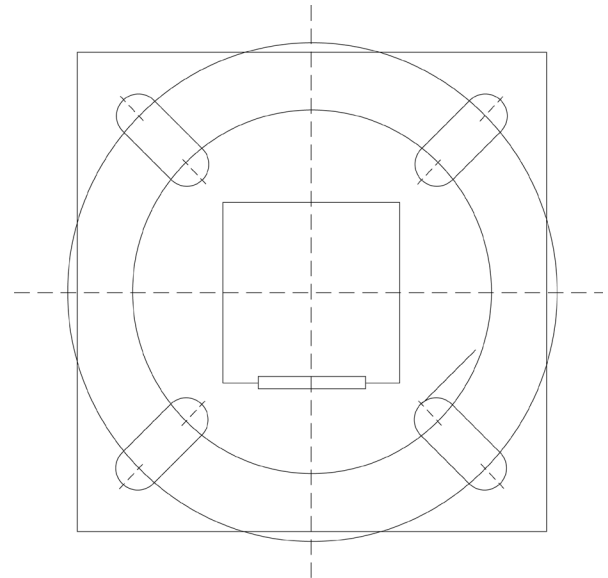


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10.5" Square
9.5" Dia. Bolt Circle



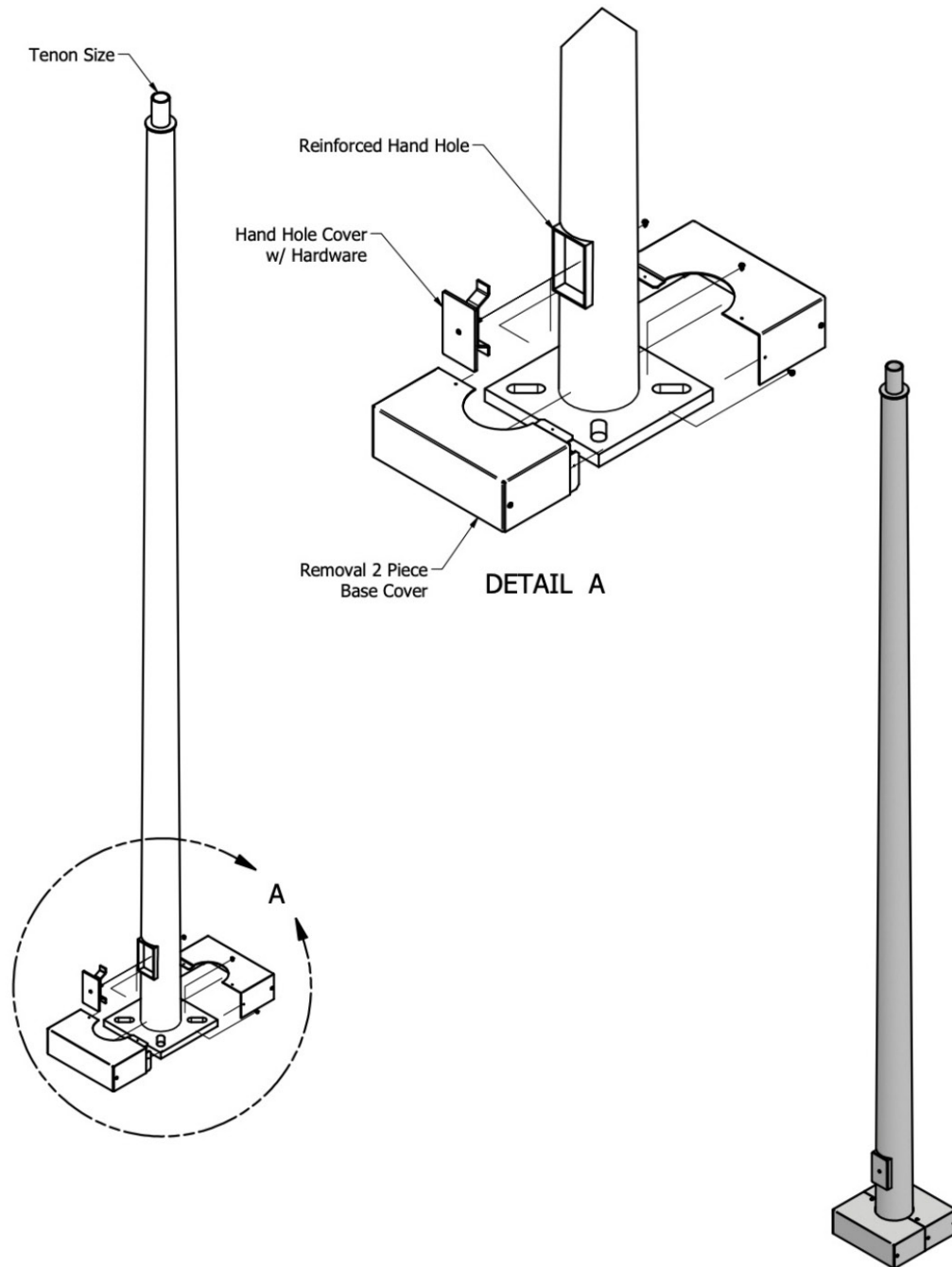
12" Square
11.75" Dia. Bolt Circle



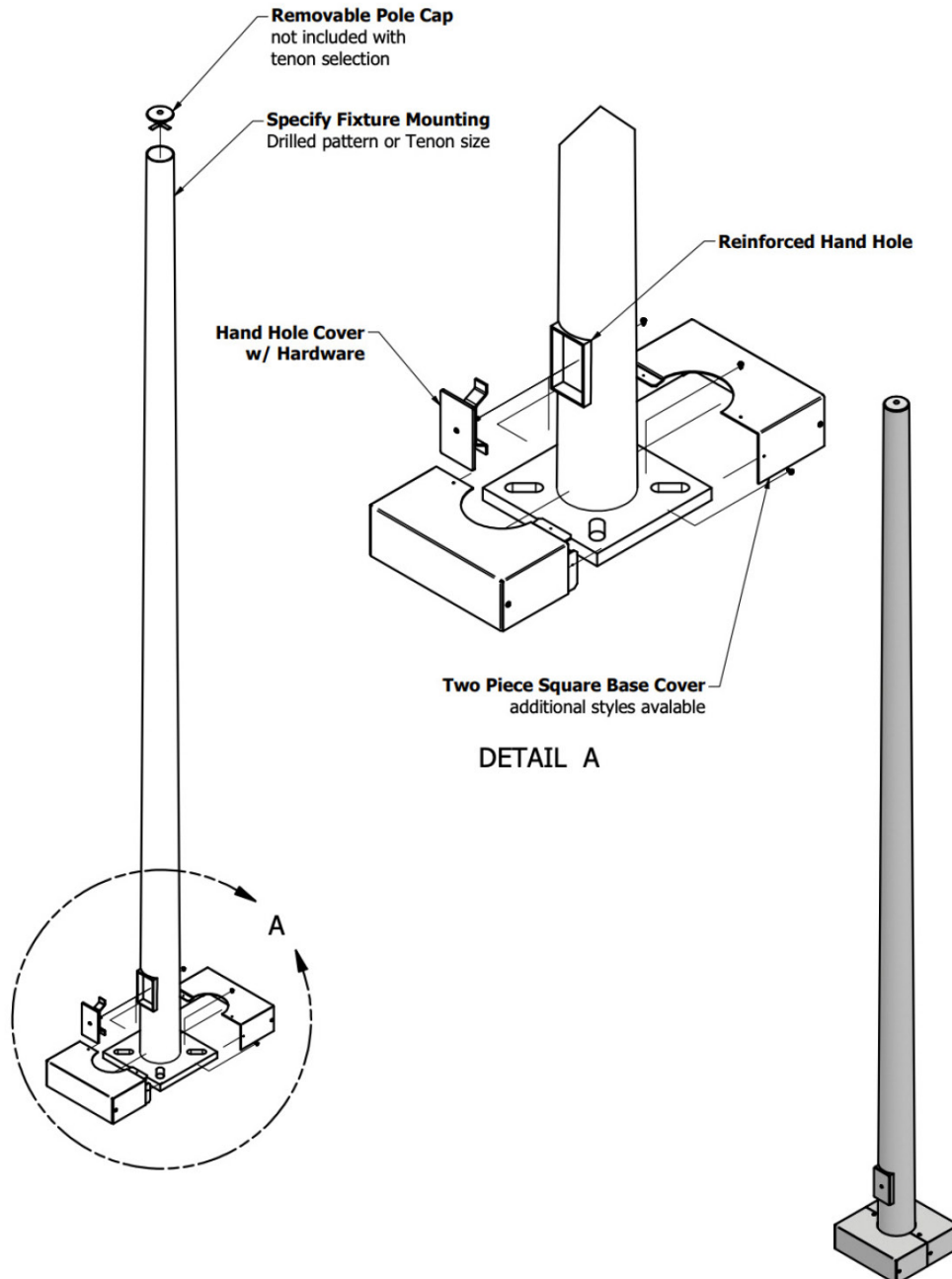
ADDITIONAL NOTES

• Templates not to scale. Please contact a Zuma representative for to scale baseplate templates prior to anchor bolt installation.

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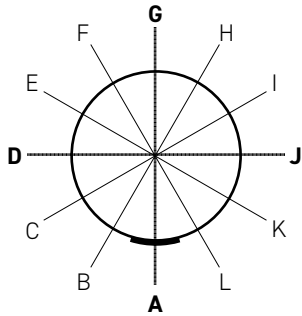
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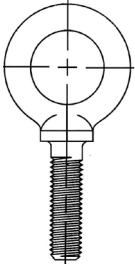
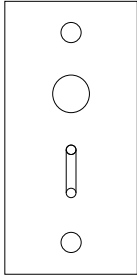
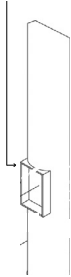
Orientation

"A" position is aligned with center of handhole cover and each consecutive letter represents 30° clockwise.



Letter	Degree
A	0°
B	30°
C	60°
D	90°
E	120°
F	150°
G	180°
H	210°
I	240°
J	270°
K	300°
L	330°

Options

Eye Bolt EYE	Drilling S1/D180/D90/T90/Q90	Provision GFIP
		

Drilling

S1: Recommended orientation is G and recommended height 1.5" from the top.
D180: Recommended orientation is A & G and recommended height 1.5" from the top.
T90: Recommended orientation is D, G and J and recommended height 1.5" from the top.

Eye Bolt

Recommended orientation is G and recommended height is 2" from the top.

Provision GFCI

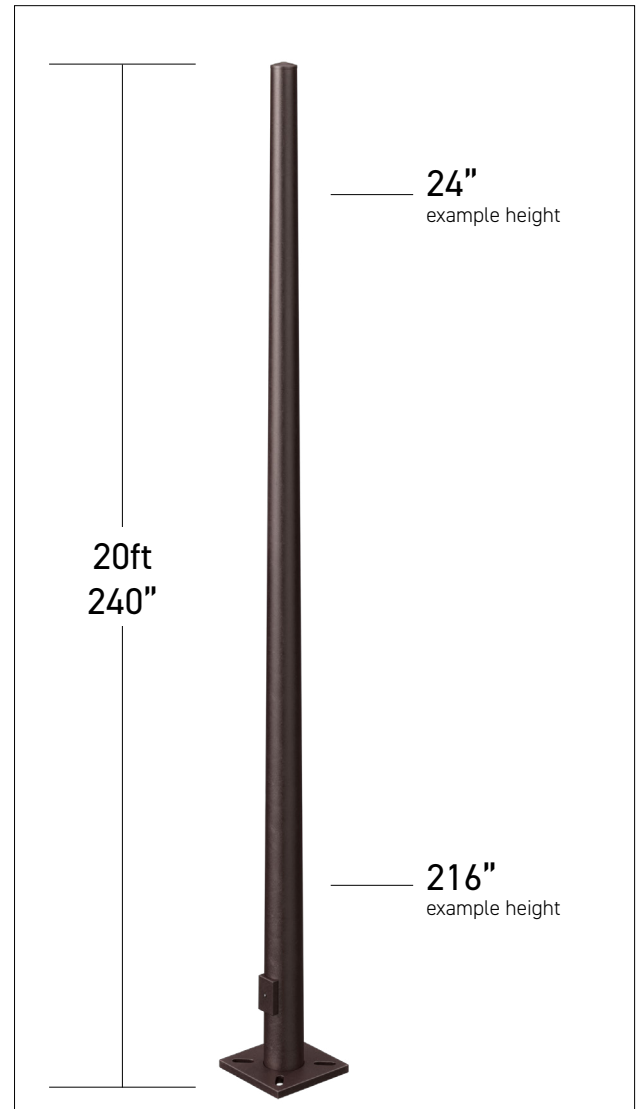
Recommended orientation is G and height 6" from the top or 28" up from the base plate.

Configurator

Please fill out the chart using the above choices. Consult our sales team for any questions or further information. Unless a custom orientation is specified at time of order, Zuma will provide standardized mounting and drilling orientations per our typical specification. Hand Hole located on Sidewalk Side.

Height Location

Specify distance in inches from top of pole for each fixture.



Option	Orientation	Height Location	Notes
ex. EYE	G	2" from the top	