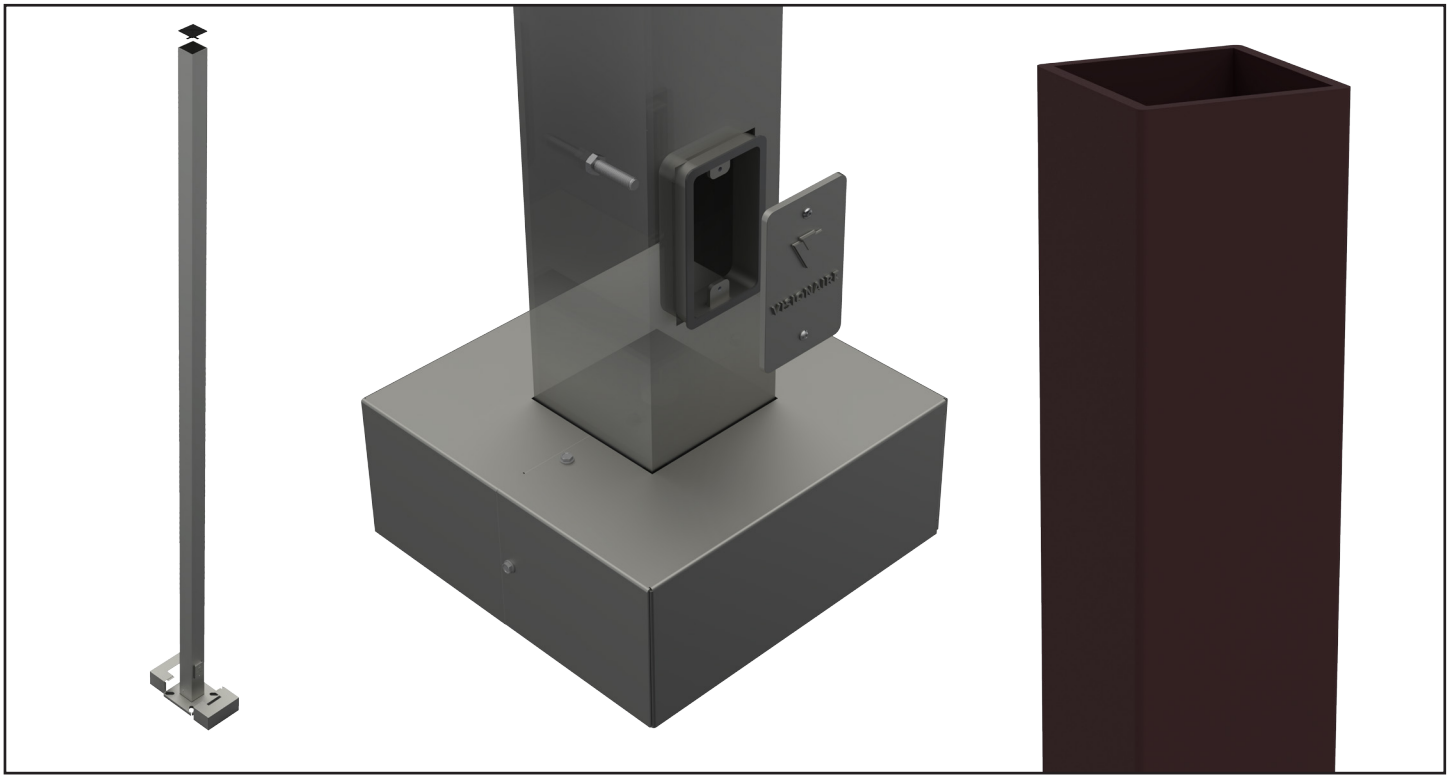
SNTS Specifications

Square Non Tapered Steel Pole



Square Non Tapered Steel Pole

Pole Shaft

· ASTM A500 Grade B tubing with minimum yield strength of 55,000 PSI. Shaft is furnished with ground lug inside pole, opposite hand hole opening. Center line of hand hole is 12" from base plate.

Base Plate

· Steel Plate base is ASTM-A36 hot rolled steel, meets or exceeds minimum yield strength of 36,000 PSI.

· Base templates provided with order. Do not pre-pour.

Base Cover

· Die-formed from heavy gauge quality aluminum. Two piece cover for easy installation.

Pole Cap

· Color-impregnated polymer snap-to-close pole cap provided in black.

Finish

· All poles are shot-blasted and cleaned to a near-white finish prior to painting. A Quali-Guard® textured thermoset polyester powder coat is then applied to a minimum of 3 mils and then oven-baked at a temperature of 400 ºF to promote exceptional adherence and finish hardness. Optional Wood Grain Finish is a custom color and is limited to 20' pole height, please consult factory. Optional Zinc-Rich Primer - Recommended within three miles of the ocean. Pole finish is warranted for a full two (2) years. An optional five (5) year extended warranty is also available
(external primer coat and internal rust inhibiting coating).

Project Name:	
Catalog Number:	
Type:	
Date:	Location:

Anchor Bolts

· Poles are provided with hot-dip galvanized anchor bolts, with a "J" bend on one end and two flat hex bolts end and two flat washers per bolt. Anchor bolts meet or exceed a minimum of 36,000 PSI. Anchor bolts conform to ASTM F1554 grade 36 and are provided.

LED Specifications **SNTS**

MODEL	SHAFT SIZE	GAUGE	HEIGHT	BASE	ANCHORAGE
SNTS Square Non Tapered Steel	**4S** 4”X4”	**11** **7**	**10’** **12’** **14’** **16’** **18’** **20’**	**9BC** 9” Base 9 3/16” BC	**343** 3/4” X 30”
	4S 4”X4”	**11** **7**	**22’** **25’** **28’** *7G Only	**12BC** 12” Base 12 3/4” BC	**136** 1” X 36”
	5S 5”X5”	**11** **7**	**20’** **22’** **25’** **28’** **30’** **35’** *7G Only	**12BC** 12” Base 12 3/4” BC	**136** 1” X 36”
	6S 6”X6”	**7**	**28’** **30’** **35’**	**12BC** 12” Base 12 3/4” BC	**136** 1” X 36”

CBC
Custom Bolt Circle
• Consult Factory

Direct Burial
*Consult Factory

MOUNTING

S1
Single
Bolt-On Arm

D2
Double 180°
Bolt-On Arm

D9
Double 90°
Bolt-On Arm

T9
Triple 90°
Bolt-On Arm

QD
Quad
Bolt-On Arm

Tenon Options

T238R
2 3/8”

T3R
3”

T3.5R
3 1/2”

T4R
4”

FINISH

BZ
Bronze

BK
Black

SBK
Smooth Black

WH
White

SWH
Smooth White

GP
Graphite

GY
Grey

SL
Silver Metallic

GN
Tennis Green

FG
Forest Green

CC
Custom Color

FINISH OPTIONS

WGF -1
Walnut

WGF -2
Rosewood

WGF -3
Mesquite

WGF -4
Goldenpine

WGF -5
Driftwood

WGF -6
Capecod

WGF -7
Rosebirch

Custom Wood
Grain Finish
*Consult Factory

GAL
Galvanized
*No Paint
*Consult Factory

XX+GAL
Powder Coat Paint
Over Galvanized
*Consult Factory

ZRP
Zinc-Rich
Primer Coat
*Consult Factory

HCR
Rust-Inhibiting Internal
Coating & Primer
*Required for Direct
Burial Poles

ELECTRICAL OPTIONS

GFI
GFI Receptacle
*Standard location is
in hand hole.
*Specify GFI location
if different from
hand hole location.
Supplied with
in use cover.

USB
USB Receptacle
*Specify location. Supplied with
in use cover.

UL
UL Certified

OPTIONS

CUP1/2
Coupling 1/2”
*Specify location

CUP3/4
Coupling 3/4”
*Specify location

XHH
Extra Hand Hole
*Specify location

HCR
Rust-Inhibiting Internal
Coating & Primer
*Required for Direct
Burial Poles

IVD
Internal Vibration Dampener

EB
Eye Bolt

BAA
Buy America(n)
Act Compliant

BABA
Build America
Buy American

Phone: 310 512 6480
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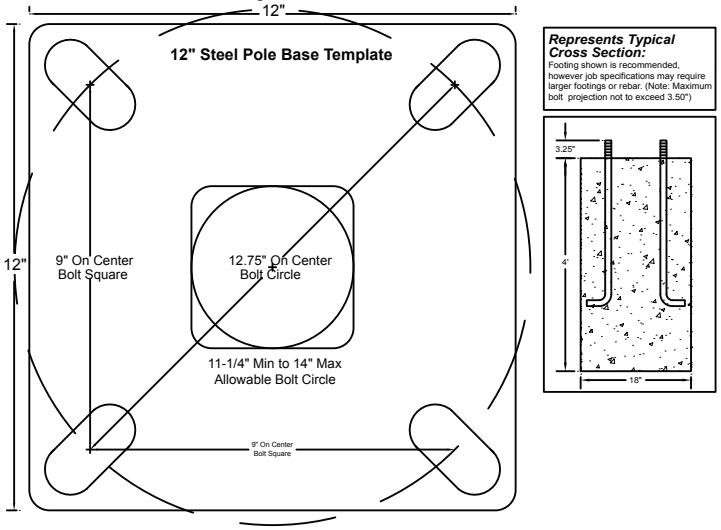
Pole EPA for Square Non Tapered Steel Poles												
Pole Height	Maximum Allowable EPA (ft²) with 1.3 gust factor)							O.D.	Pole Gauge	Base Plate	Bolt Circle	Anchor Bolts
	80 mph	90 mph	100 mph	110 mph	120 mph	130 mph	140 mph					
10'	30.1	23.5	18.4	11.0	10.3	7.6	6.1	4"	11	9"sq × ¾"	9-3/16"	¾" × 30"
12'	23.0	17.4	13.7	8.5	7.4	5.7	4.4	4"	11	9"sq × ¾"	9-3/16"	¾" × 30"
14'	18.6	13.9	10.6	6.6	5.7	4.3	3.1	4"	11	9"sq × ¾"	9-3/16"	¾" × 30"
16'	15.0	10.9	10.1	4.8	3.9	3.1	1.9	4"	11	9"sq × ¾"	9-3/16"	¾" × 30"
18'	11.7	8.4	6.0	3.4	2.8	1.9	-	4"	11	9"sq × ¾"	9-3/16"	¾" × 30"
20'	9.3	6.4	4.3	2.4	1.7	1.3	-	4"	11	9"sq × ¾"	9-3/16"	¾" × 30"
20'	15.8	10.9	8.2	5.0	4.2	3.1	2.0	4"	7	9"sq × ¾"	9-3/16"	¾" × 30"
20'	17.1	12.3	8.9	5.0	4.1	3.0	1.4	5"	11	12"sq × 1"	12-3/4"	1" × 36"
20'	27.4	22.1	16.7	13.2	8.3	6.0	3.9	5"	7	12"sq × 1"	12-3/4"	1" × 36"
22'	6.3	3.7	1.9	1.3	-	-	-	4"	11	12"sq × 1"	12-3/4"	1" × 36"
22'	11.8	8.0	5.4	3.5	2.3	2.0	-	4"	7	12"sq × 1"	12-3/4"	1" × 36"
22'	12.6	8.4	5.4	3.2	1.9	1.6	-	5"	11	12"sq × 1"	12-3/4"	1" × 36"
22'	21.4	15.4	11.1	6.9	5.0	4.3	2.3	5"	7	12"sq × 1"	12-3/4"	1" × 36"
25'	5.0	2.9	1.3	-	-	-	-	4"	11	12"sq × 1"	12-3/4"	1" × 36"
25'	10.9	7.4	5.2	2.1	1.3	1.0	-	4"	7	12"sq × 1"	12-3/4"	1" × 36"
25'	10.2	6.6	4.0	1.6	-	-	-	5"	11	12"sq × 1"	12-3/4"	1" × 36"
25'	18.8	13.0	9.5	4.8	3.7	2.7	-	5"	7	12"sq × 1"	12-3/4"	1" × 36"
28'	5.6	3.1	1.4	1.1	-	-	-	4"	7	12"sq × 1"	12-3/4"	1" × 36"
28'	5.5	3.0	1.3	-	-	-	-	5"	11	12"sq × 1"	12-3/4"	1" × 36"
28'	12.0	7.6	4.4	2.8	1.3	1.1	-	5"	7	12"sq × 1"	12-3/4"	1" × 36"
28'	20.9	14.1	9.4	5.7	3.6	3.1	-	6"	7	12"sq × 1"	12-3/4"	1" × 36"
30'	5.0	2.2	-	-	-	-	-	5"	11	12"sq × 1"	12-3/4"	1" × 36"
30'	11.4	6.8	4.0	1.7	-	-	-	5"	7	12"sq × 1"	12-3/4"	1" × 36"
30'	18.9	12.8	8.4	4.3	3.0	1.9	-	6"	7	12"sq × 1"	12-3/4"	1" × 36"
35'	6.7	2.3	1.8	-	-	-	-	5"	7	12"sq × 1"	12-3/4"	1" × 36"
35'	12.1	7.0	3.8	-	-	-	-	6"	7	12"sq × 1"	12-3/4"	1" × 36"

For Direct Burial EPA, consult factory

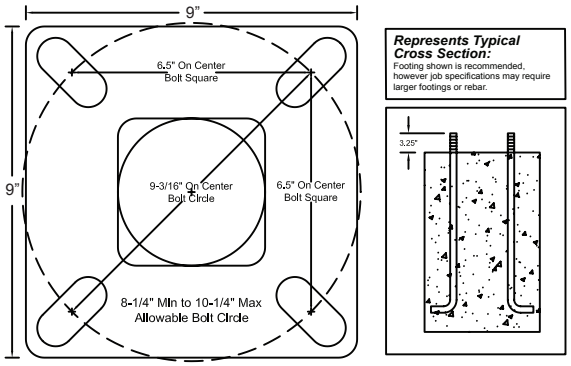
· CAUTION: If any additional stress such as flags, banners, streamers, ropes, or any other such items are added to poles, Visionaire Lighting's normal product guarantee is null and void. Additionally, adding such items to any pole may create severely hazardous conditions. Poles are calculated to withstand steady wind velocities of between 70 and 100 mph wind zones with a 1.3 gust factor depending on height, wall thickness, and width/ diameter. For an exact rating on a specific order, contact Visionaire directly.

· Certain geographic areas experience unique wind conditions that can cause wind-induced vibrations leading to a fatigue problem. There is currently no known method to predict destructive vibration of lighting poles. These conditions are unique and cannot be guaranteed against, and it is the responsibility of a site engineer to address them locally.

Base Plate Templates - Not To Scale



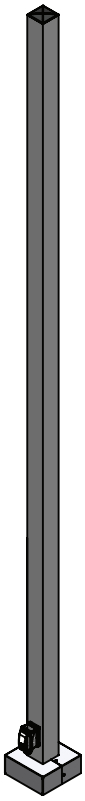
12" Steel Pole Base Template
1" x 36" Anchor Bolts



9" Steel Pole Base Template
3/4" x 30" Anchor Bolts

GFI Receptacle

Standard location is in hand hole.
Supplied with in-use cover.



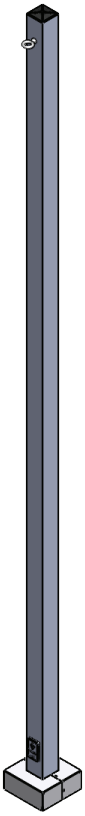
*Specify GFI location if different from hand hole location.

USB Receptacle

Standard location is in hand hole.
Supplied with in-use cover.

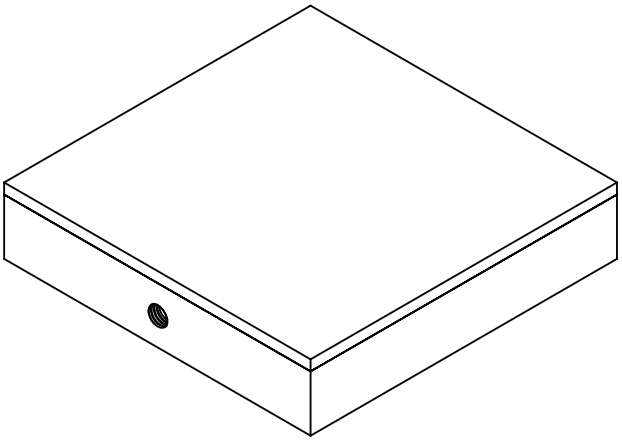
Eye Bolt

Specify orientation, height and location. 1 17/32" Max eye diameter. Standard position 6” downwards from top, same side as standard hand hole.



UL Certified

UL Certified option comes supplied with aluminum pole cap painted black as standard.



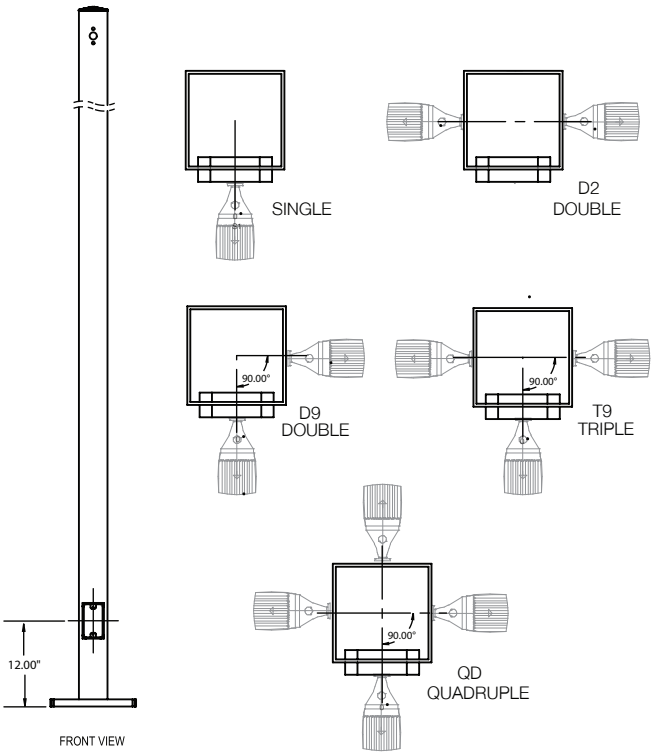
1/2” Coupling

Specify orientation, height and location

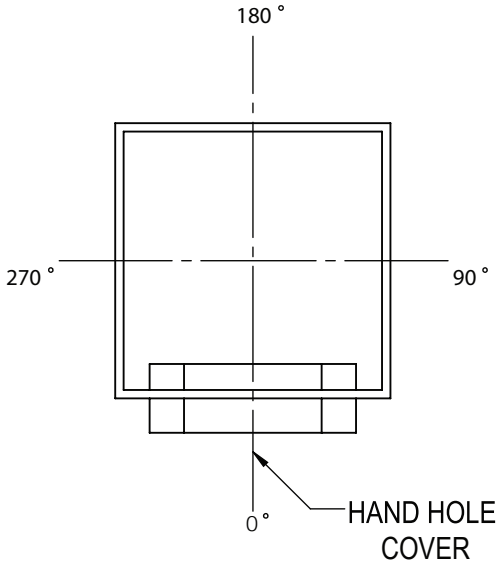
3/4” Coupling

Specify orientation, height and location

Hand Hole And Fixture Orientation

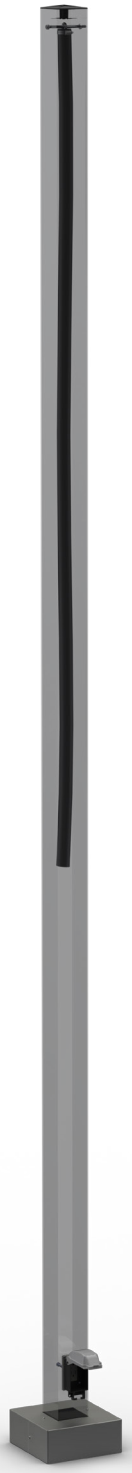


Hand Hole And Accesories Orientation



Internal Vibration Dampener

Internal Chain Vibration Damper can be
installed in the field to mollify first mode pole vibration.



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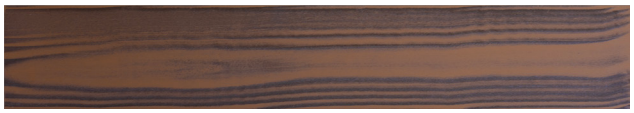
Custom Wood Grain Finish

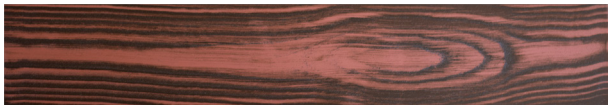
Multi Stage Process for realistic wood grain finish. 20’ Pole Height Max. Consult factory.

1-WGF Walnut



2-WGF Rosewood

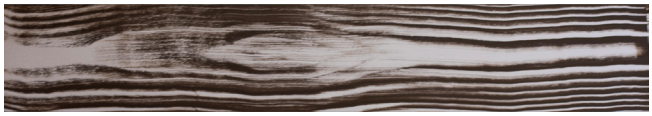
3-WGF Mesquite



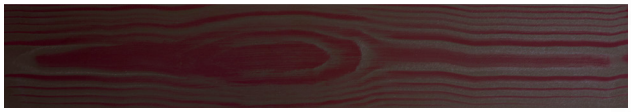
4-WGF Goldenpine

5-WGF Driftwood

6-WGF Capecod

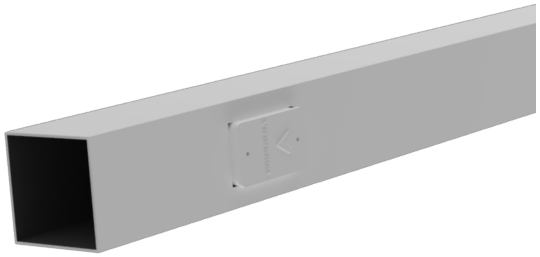


7-WGF Rosebirch



Rust-Inhibiting Internal Coating & Primer

Required for Direct Burial Poles



Standard Finish Colors

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Extra Hand Hole

XHH (Standard Dimensions are 3" X 5")
To Specify the XHH, you must choose the desired side of the pole in degrees, and the location of the center of the hand hole from grade in feet
. Refer to Fig. 1 and Fig 2.

Ordering Example : XHH-0DEG-YFT (XHH-0DEG-3FT)

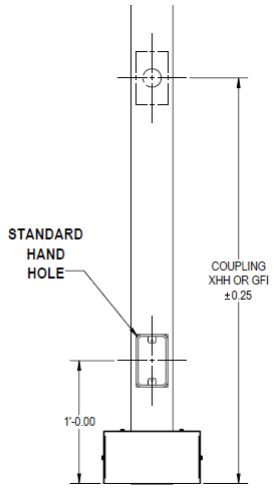

Fig. 1

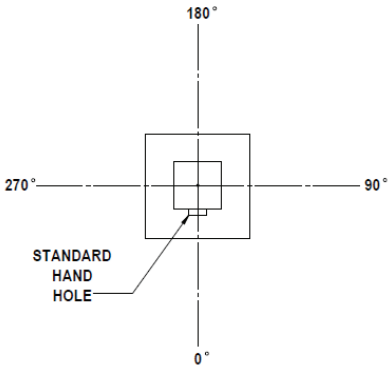

Fig. 2

Coupling

CUP (Coupling sizes are 1/2"NPT, 3/4NPT, 1"NPT")
To specify the CUP, you must choose size, orientation in degrees and location in feet for each coupling. Refer to Fig. 1 and Fig 2.

Ordering Example : CUPS-0DEG-YFT (CUP1/2-0DEG-7FT)

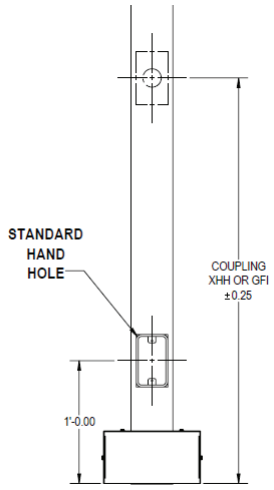

Fig. 1

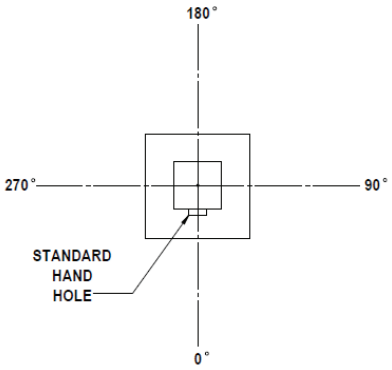

Fig. 2