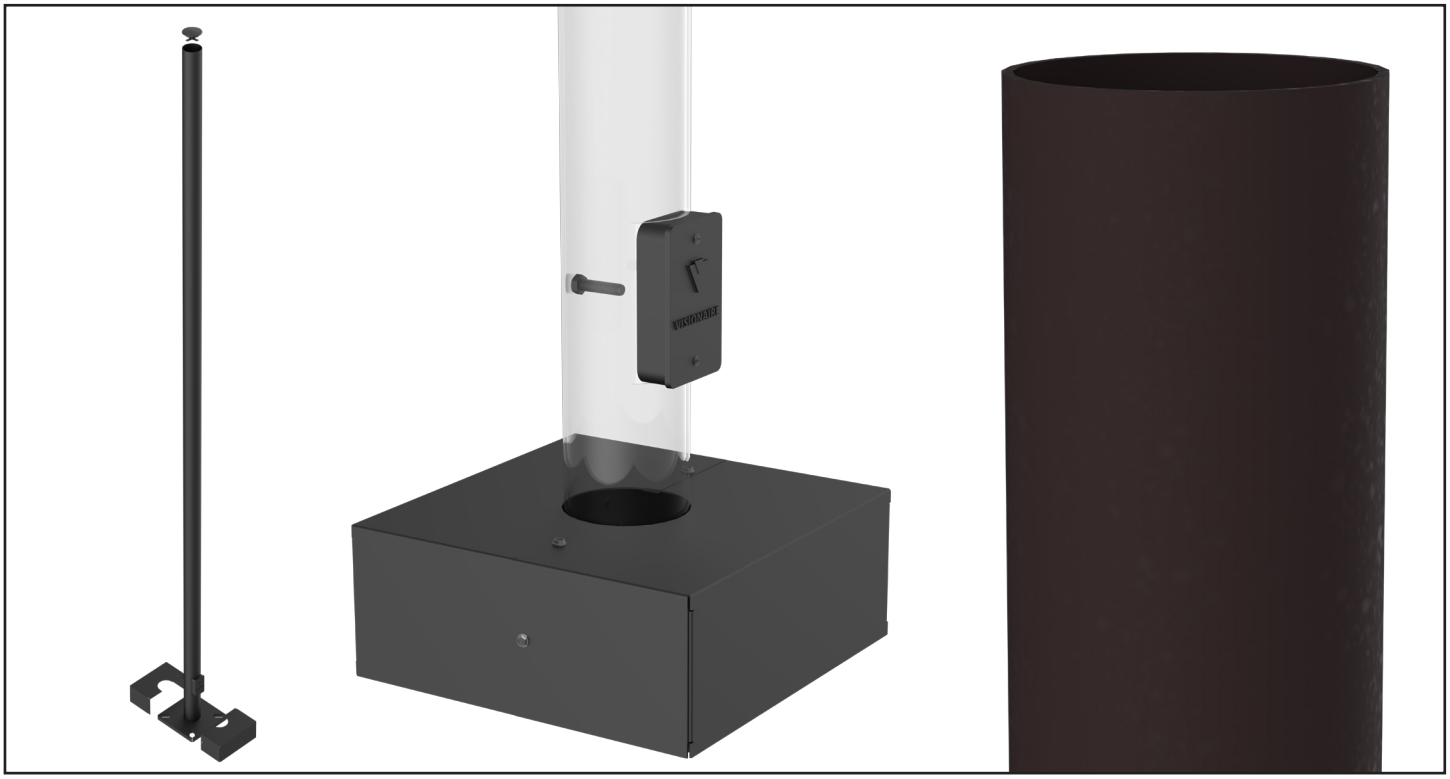
RNTS Specifications

Round Non Tapered Steel Pole



Round Non Tapered Steel Pole

Pole Shaft

· ASTM A500 Grade B tubing with minimum yield strength of 46,000 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. Square base cover is standard, round base cover is optional.

· Consult factory for DCB bolt circle info.

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 prime 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 **RNTS**

MODEL	SHAFT SIZE	GAUGE	HEIGHT	BASE	ANCHORAGE
RNTS Round Non Tapered Steel	**4R** 4"Ø	**11** **7**	**10'** **12'** **14'** **16'** **18'** **20'**	**9BC** 9" Base 9 3/16" BC	**343** 3/4" X 30"
	4R 4"Ø	**11** **7**	**22'** **25'** **28'** *7G Only	**12BC** 12" Base 12 3/4" BC	**136** 1" X 36"
	5R 5"Ø	**11** **7**	**20'** **22'** **25'** **28'** **30'** **35'** *7G Only	**12BC** 12" Base 12 3/4" BC	**136** 1" X 36"
	6R 6"Ø	**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	FINISH	FINISH OPTIONS	ELECTRICAL OPTIONS	OPTIONS
S1 Single Bolt-On Arm **D2** Double 180° Bolt-On Arm **D9** Double 90° Bolt-On Arm **T1** Triple 120° Bolt-On Arm **T9** Triple 90° Bolt-On Arm **QD** Quad Bo rm **Tenon Options** **T238R** 2 3/8" **T3R** 3" **T3.5R** 3 1/2" **T4R** 4"	**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	**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	**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	**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 **RBC** Round Base Cover *Consult Factory **EB** Eye Bolt **BAA** Buy America(n) Act Compliant **BABA** Build America Buy American

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LED Specifications **RNTS**

Pole EPA for Round Non-Tapered Steel Poles

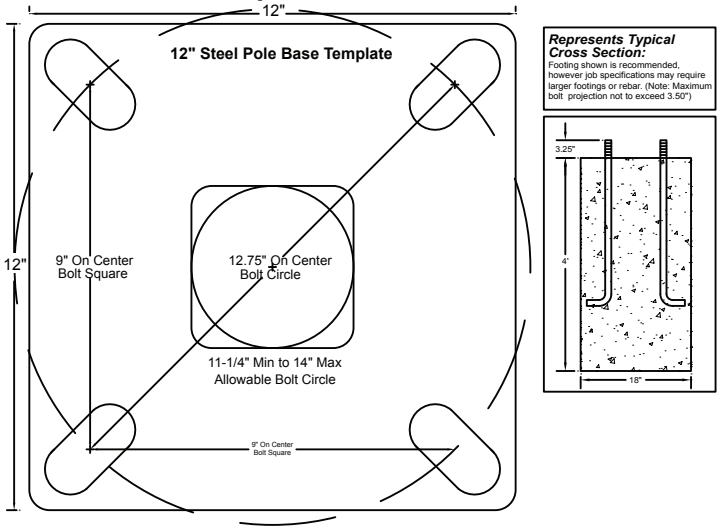
Pole Height	Maximum Allowable EPA (ft²) with 1.3 gust factor							O.D.	Pole Gauge	Base Plate	Bolt Circle	Anchor Bolts
	80 mph	90 mph	100 mph	110 mph	120 mph	130 mph	140 mph					
10'	17.5	13.4	10.7	8.6	7.0	5.9	4.7	4"	11	9"sq × ¾"	9- 3/16"	¾" × 30"
12'	14.0	10.7	8.3	6.7	5.3	4.5	3.4	4"	11	9"sq × ¾"	9- 3/16"	¾" × 30"
14'	11.5	8.7	6.7	5.2	4.0	3.4	2.4	4"	11	9"sq × ¾"	9- 3/16"	¾" × 30"
16'	9.0	6.6	5.0	3.7	2.8	2.4	1.5	4"	11	9"sq × ¾"	9- 3/16"	¾" × 30"
18'	7.3	5.2	3.8	2.7	1.8	1.5	-	4"	11	9"sq × ¾"	9- 3/16"	¾" × 30"
20'	6.1	4.2	2.9	1.9	1.2	1.0	-	4"	11	9"sq × ¾"	9- 3/16"	¾" × 30"
20'	9.9	7.2	5.3	3.9	2.8	2.4	1.6	4"	7	9"sq × ¾"	9- 3/16"	¾" × 30"
20'	10.6	7.5	5.5	3.9	2.7	2.3	1.1	5"	11	12"sq × 1"	12-3/4"	1" × 36"
20'	16.8	13.2	9.5	7.2	5.5	4.6	3.1	5"	7	12"sq × 1"	12-3/4"	1" × 36"
22'	4.6	3.0	1.8	1.0	-	-	-	4"	11	12"sq × 1"	12-3/4"	1" × 36"
22'	7.9	5.6	4.0	2.7	1.8	1.5	-	4"	7	12"sq × 1"	12-3/4"	1" × 36"
22'	8.2	5.7	3.9	2.5	1.5	1.3	-	5"	11	12"sq × 1"	12-3/4"	1" × 36"
22'	13.6	9.9	7.4	5.4	3.9	3.3	1.8	5"	7	12"sq × 1"	12-3/4"	1" × 36"
25'	3.2	1.8	-	-	-	-	-	4"	11	12"sq × 1"	12-3/4"	1" × 36"
25'	6.2	4.1	2.7	1.7	-	-	-	4"	7	12"sq × 1"	12-3/4"	1" × 36"
25'	6.3	4.0	2.5	1.2	-	-	-	5"	11	12"sq × 1"	12-3/4"	1" × 36"
25'	11.0	7.7	5.5	3.7	2.5	2.1	-	5"	7	12"sq × 1"	12-3/4"	1" × 36"
28'	4.4	2.4	1.1	-	-	-	-	4"	7	12"sq × 1"	12-3/4"	1" × 36"
28'	4.3	2.3	1.0	-	-	-	-	5"	11	12"sq × 1"	12-3/4"	1" × 36"
28'	8.4	5.6	3.6	2.2	1.0	0.9	-	5"	7	12"sq × 1"	12-3/4"	1" × 36"
28'	7.6	4.7	2.7	1.2	-	-	-	6"	11	12"sq × 1"	12-3/4"	1" × 36"
28'	13.7	9.6	6.6	4.5	2.8	2.4	-	6"	7	12"sq × 1"	12-3/4"	1" × 36"
30'	3.3	1.5	-	-	-	-	-	5"	11	12"sq × 1"	12-3/4"	1" × 36"
30'	7.2	4.6	2.8	1.3	-	-	-	5"	7	12"sq × 1"	12-3/4"	1" × 36"
30'	6.3	3.7	1.7	-	-	-	-	6"	11	12"sq × 1"	12-3/4"	1" × 36"
30'	12.0	8.2	5.5	3.3	1.8	1.5	-	6"	7	12"sq × 1"	12-3/4"	1" × 36"
35'	4.2	2.1	-	-	-	-	-	5"	7	12"sq × 1"	12-3/4"	1" × 36"
35'	7.8	4.7	2.4	-	-	-	-	6"	7	12"sq × 1"	12-3/4"	1" × 36"

For Direct Burial EPA, consult factory

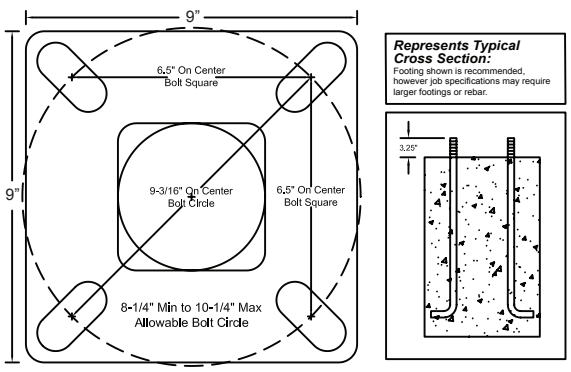
- CAUTION: If any additional stress such as flags, banners, streamers, ropes, or any other such items are added to poles, Visionaire Lighting's normal product guarantee is null and void. Additionally, adding such items to any pole may create severely hazardous conditions. Poles are calculated to withstand 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 Lighting 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.

USB Receptacle

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

Optional round base cover shown.

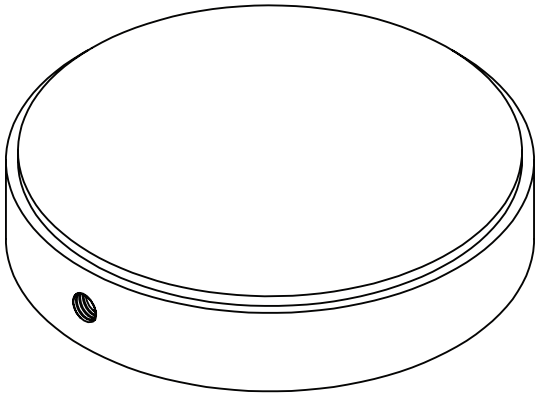
Eye Bolt

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

Optional round base cover shown.

UL Certified

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

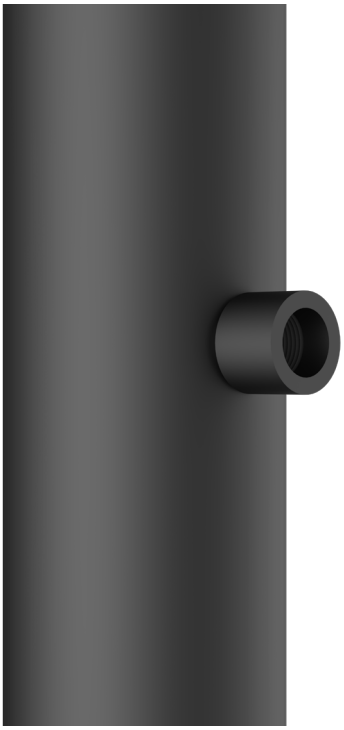


1/2” Coupling

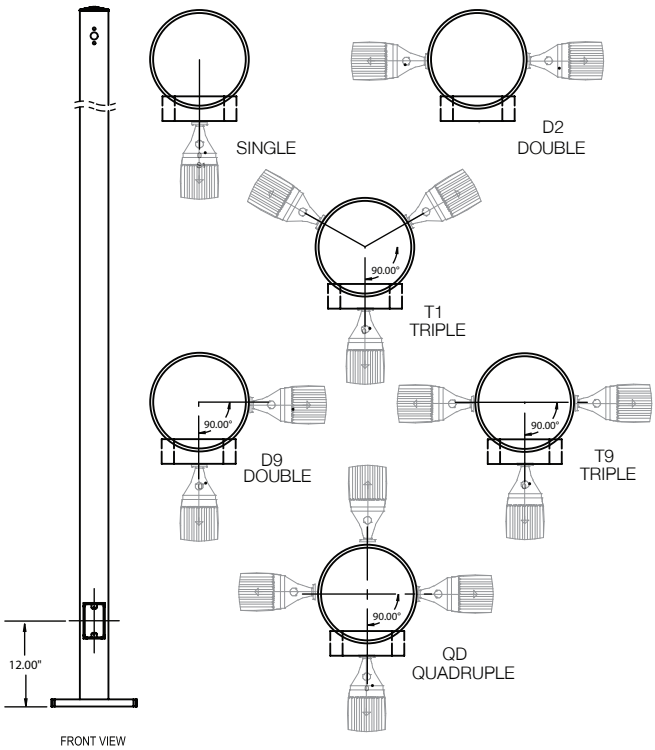
Specify orientation, height and location

3/4” Coupling

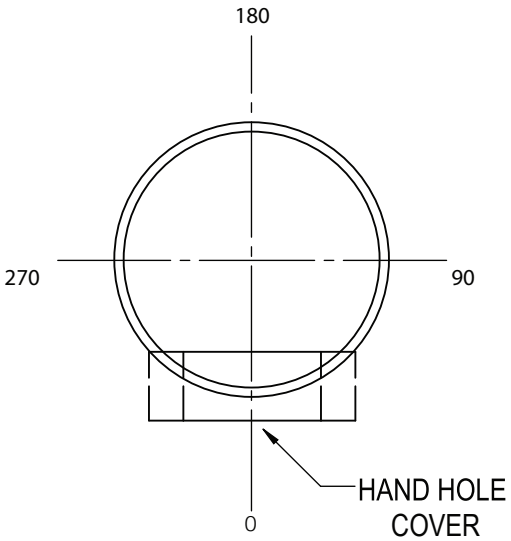
Specify orientation, height and location



Hand Hole And Fixture Orientation

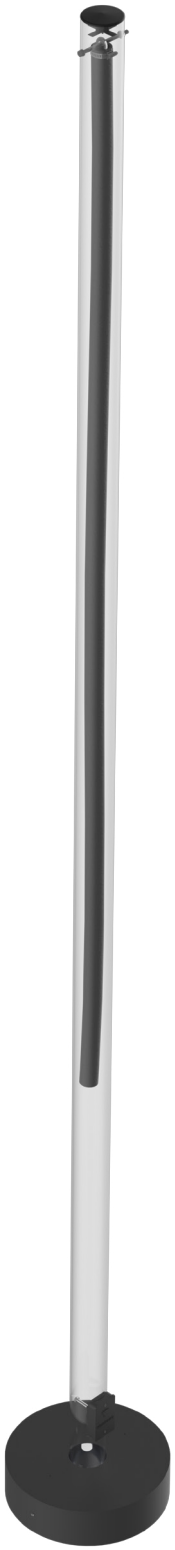


Hand Hole And Accesories Orientation



Internal Vibration Dampener

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



Optional round base cover shown.

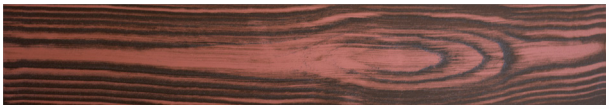
Custom Wood Grain Finish

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

1-WGF Walnut

2-WGF Rosewood

3-WGF Mesquite

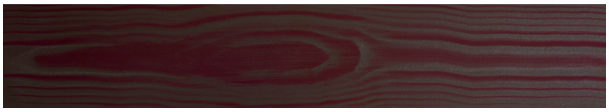


4-WGF Goldenpine

5-WGF Driftwood

6-WGF Capecod

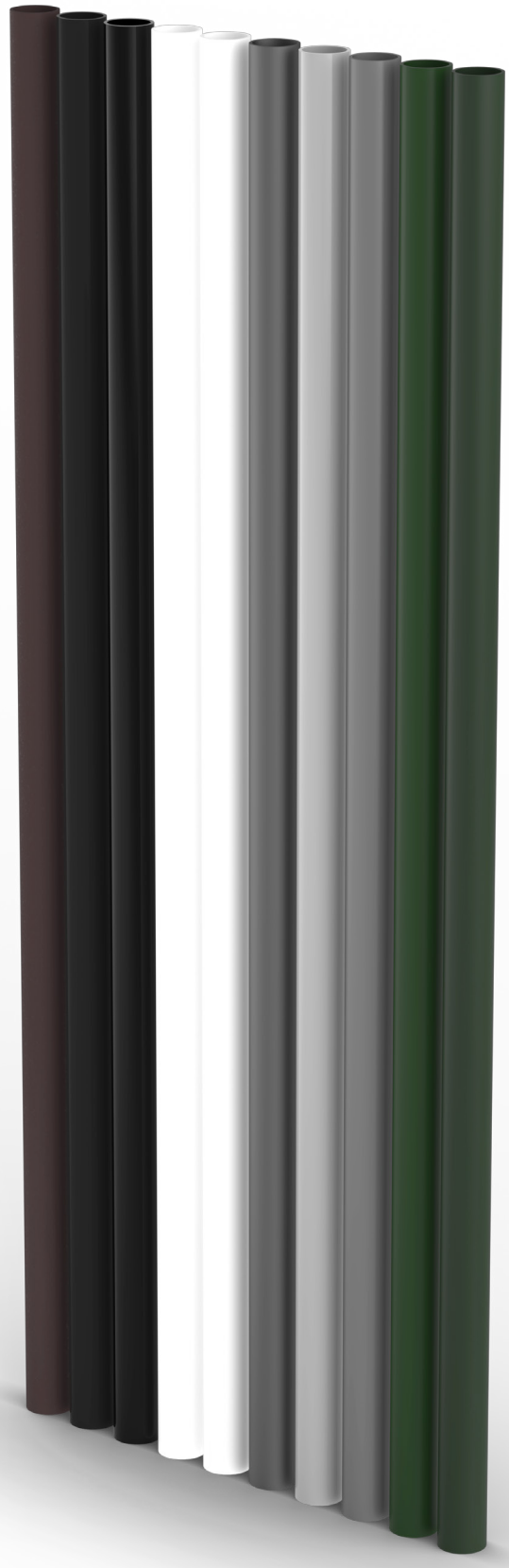
7-WGF Rosebirch



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)

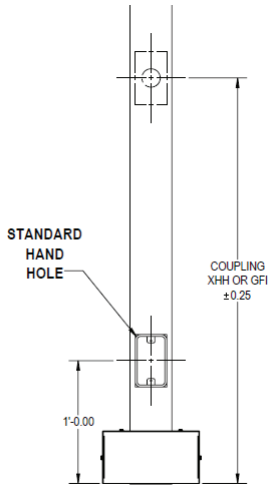

Fig. 1

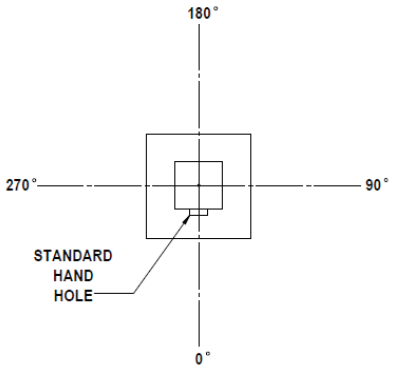

Fig. 2

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)

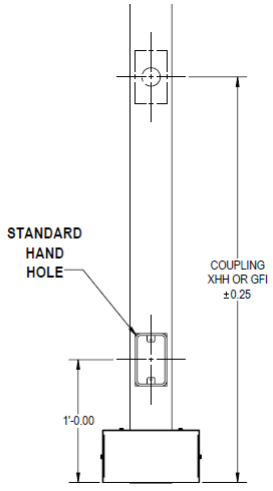

Fig. 1

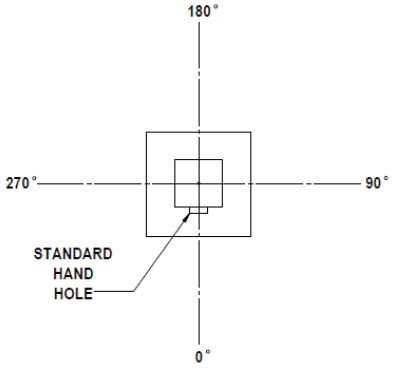

Fig. 2