U.S. POLE

PROJECT NAME:

PROJECT TYPE:

Embedded Round Non-Tapered Aluminum Pole

ERNTA

Shaft
Spun tapered from 6063 alloy aluminum tubing. Heat treated to produce a T6 temper. Shaft is furnished with ground lugs located on cast aluminum base plate.

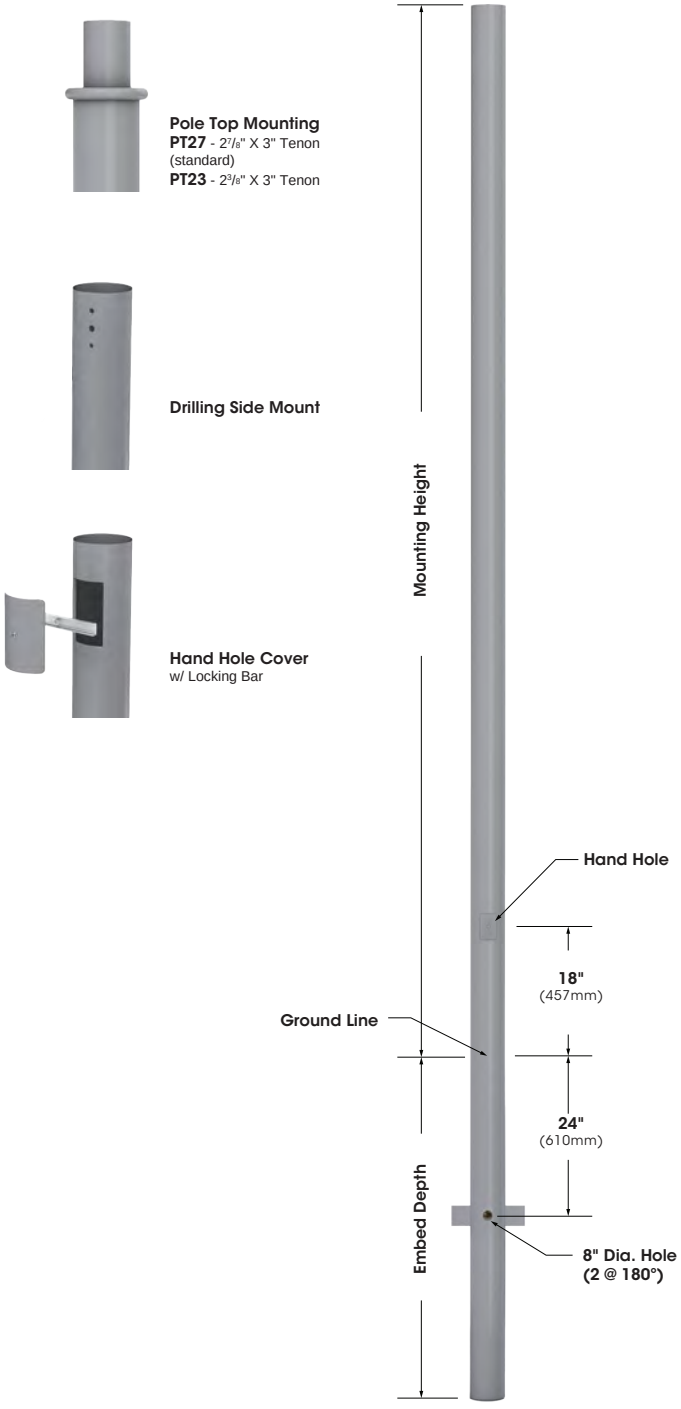
Embed and Direct Burial Detail
Designed for durability and stability, the bottom of the embedded pole section includes welded aluminum wings to prevent rotation and ensure secure placement. Wire access holes are conveniently located 24 inches below the ground line for easy installation and maintenance. Due to varying soil conditions at different sites, it is essential that foundation requirements be assessed by a qualified Structural Engineer familiar with the specific soil characteristics of the job site. This ensures optimal performance and longevity of the installation.

Drilling Side Mount
A removable pole cap is included. Pole will be drilled to match U.S. Architectural fixtures. For other Drilling required, please specify DP after specified drill pattern. (example: 2-180DP)

Pole Top Mount
Standard pole top mount - PT27, fabricated from 2.5" (2.875" O.D.) aluminum pipe – tenon options for PT276 and PT23 pole tops please see Mounting column. For other pole top configurations please consult factory.

Hand Hole Cover
Rectangular 3" x 5" stamped heavy gauge aluminum material Hand Hole Cover, 2¼" x 4¼" access opening. Sealed door is secured by a formed aluminum bar and a stainless steel, tamper proof screw.

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.	Mounting Height	Embed Depth
ERNTA4	4"	8' - 14'	3'
ERNTA5	5"	10' - 20'	4'
ERNTA6	6"	20' - 25'	4'
ERNTA658	6 5/8"	20' - 25'	5'

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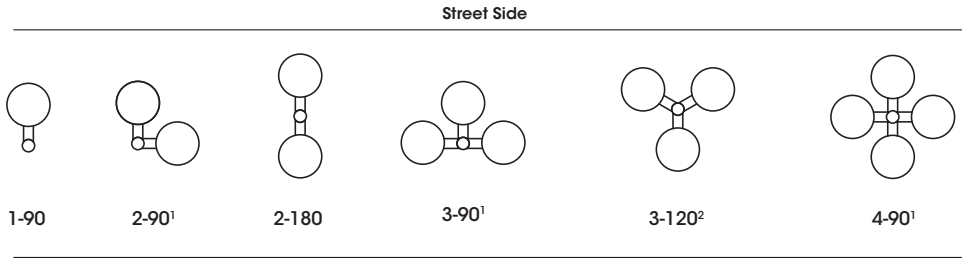
DRILLING SIDE MOUNT



Notes

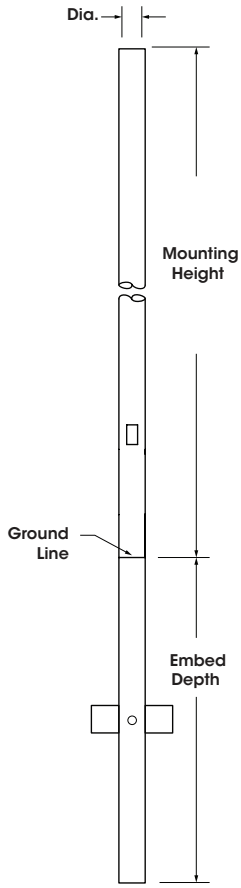
1- Poles smaller than 5" Dia. at top, or Non Linear Drilling requires PT27 and T490 Adapter. (Adaptor is rotatable)

2- Poles smaller than 5" Dia. at top, or Non Linear Drilling requires PT27 and T3120 Adapter. (Adaptor is rotatable)

When drilling pattern from other manufacturer's fixture is required, add "DP" to drill specifications.
(Example: 2-180DP) **Drilling template must be provided.**

In the case of other manufacturer's drilling pattern, customer must provide drilling pattern.

DIMENSION DETAILS



Catalog Number	POLE								
	Mounting Height		Bottom - Top				Wall Thickness (In/Ga)	Weight (Lbs)	Embed Depth
	Ft	M	In		Cm				
ERNTA 84-125	8	2.44	4.00	4.00	10.16	10.16	0.125	23	3'
ERNTA 104-125	10	3.05	4.00	4.00	10.16	10.16	0.125	27	3'
ERNTA 124-125	12	3.66	4.00	4.00	10.16	10.16	0.125	30	3'
ERNTA 144-125	14	4.27	4.00	4.00	10.16	10.16	0.125	34	3'
ERNTA 105-125	10	3.05	5.00	5.00	12.70	12.70	0.125	32	4'
ERNTA 125-125	12	3.66	5.00	5.00	12.70	12.70	0.125	36	4'
ERNTA 145-125	14	4.27	5.00	5.00	12.70	12.70	0.125	41	4'
ERNTA 145-188	14	4.27	5.00	5.00	12.70	12.70	0.188	56	4'
ERNTA 165-125	16	4.88	5.00	5.00	12.70	12.70	0.125	45	4'
ERNTA 165-188	16	4.88	5.00	5.00	12.70	12.70	0.188	63	4'
ERNTA 185-125	18	5.49	5.00	5.00	12.70	12.70	0.125	50	4'
ERNTA 185-188	18	5.49	5.00	5.00	12.70	12.70	0.188	69	4'
ERNTA 205-188	20	6.10	5.00	5.00	12.70	12.70	0.188	76	4'
ERNTA 206-188	20	6.10	6.00	6.00	15.24	15.24	0.188	95	4'
ERNTA 206-250	20	6.10	6.00	6.00	15.24	15.24	0.250	121	4'
ERNTA 256-188	25	7.62	6.00	6.00	15.24	15.24	0.188	115	4'
ERNTA 256-250	25	7.62	6.00	6.00	15.24	15.24	0.250	147	4'
ERNTA 20658-250	20	6.10	6.63	6.63	16.83	16.83	0.250	135	5'
ERNTA 25658-250	25	7.62	6.63	6.63	16.83	16.83	0.250	165	5'

ORDERING INFORMATION

Spec/Order Example: ERNTA205-188/1-90/RAL-6005-T

Pole Model Number | Mounting | Finish | Options

Pole Model Number

	Mounting Height	Embed Depth	Wall Thickness
4" Pole Dia.			
☐ **ERNTA 84 - 125**	8'	3'	.125
☐ **ERNTA 104 - 125**	10'	3'	.125
☐ **ERNTA 124 - 125**	12'	3'	.125
☐ **ERNTA 144 - 125**	14'	3'	.125
5" Pole Dia.			
☐ **ERNTA 105 - 125**	10'	4'	.125
☐ **ERNTA 125 - 125**	12'	4'	.125
☐ **ERNTA 145 - 125**	14'	4'	.125
☐ **ERNTA 145 - 188**	14'	4'	.188
☐ **ERNTA 165 - 125**	16'	4'	.125
☐ **ERNTA 165 - 188**	16'	4'	.188
☐ **ERNTA 185 - 125**	18'	4'	.125
☐ **ERNTA 185 - 188**	18'	4'	.188
☐ **ERNTA 205 - 188**	20'	4'	.188
6" Pole Dia.			
☐ **ERNTA 206 - 188**	20'	4'	.188
☐ **ERNTA 206 - 250**	20'	4'	.250
☐ **ERNTA 256 - 188**	25'	4'	.188
☐ **ERNTA 256 - 250**	25'	4'	.250
6⅝" Pole Dia.			
☐ **ERNTA 20658 - 250**	20'	5'	.250
☐ **ERNTA 25658 - 250**	25'	5'	.250

Other heights available
Please consult factory

Mounting

Tenon Mount

- ☐ 2⅞" X 3" Tenon **PT27** (Standard)
- ☐ 2⅜" X 3" Tenon **PT23**
- ☐ 2⅞" X 6" Tenon **PT276**
- ☐ Other Tenon Mt _____

Drill Mount

- ☐ **1-90** .....
- ☐ **2-180** .....
- ☐ **2-90** .....
- ☐ **3-90** .....
- ☐ **4-90** .....
- ☐ **3-120** .....

3-120 requires PT27 and T3120 Adapter

2-90, 3-90, 4-90 requires PT27 and T490 Adapter

When Drilling Pattern from other manufacturer is required, add "DP" to drill specifications (Example: **2-180DP**)
Drilling template must be provided.

Finish

Standard Smooth Finish

- ☐ Black **RAL-9005-S**
- ☐ White **RAL-9003-S**
- ☐ Grey **RAL-7004-S**
- ☐ Dark Bronze **RAL-8019-S**
- ☐ Green **RAL-6005-S**

Premium Finishes

- ☐ Rust
- ☐ Patina Copper **PC**
- ☐ Custom Specify RAL# _____
- ☐ Anodized **AZ**

For Smooth Finish replace suffix "T" with suffix "S" Example: 9005-S

See USALTG.COM for additional colors

Options

- ☐ Vibration Dampener 2nd Mode Field Install **VBDS-M2**

Receptacle

- ☐ G.F.I. Receptacle w/ Cover **GFI**
- ☐ G.F.I. Receptacle w/ In-Use Cover **GFI-IU**

[**Specify GFI location**: Height and Direction] See Location Diagram below

- ☐ 3 Way Adapter **T3120**
- ☐ 4 Way Adapter **T490**

Coupling

- ☐ ½" Coupling **CPLN12**
- ☐ ¾" Coupling **CPLN34**
- ☐ 1¼" Coupling **CPLN114**
- ☐ 1½" Coupling **CPLN112**
- ☐ 2" Coupling **CPLN2**

[**Specify Coupling location**: Height and Direction] See Location Diagram below

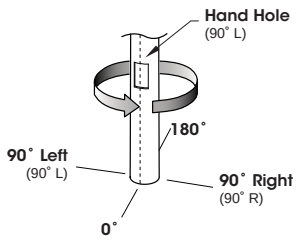
Nipple

- ☐ ½" Nipple **NPLE12**
- ☐ ¾" Nipple **NPLE34**
- ☐ 1¼" Nipple **NPLE114**
- ☐ 1½" Nipple **NPLE112**
- ☐ 2" Nipple **NPLE2**

[**Specify Coupling location**: Height and Direction] See Location Diagram below

Location Diagram

Please use this diagram to indicate placement location



Refer to the Accessories Section for other options

OPTIONS

GFI
Duplex GFI w/ Cover

GFI-IU
Duplex GFI w/ In-Use Cover

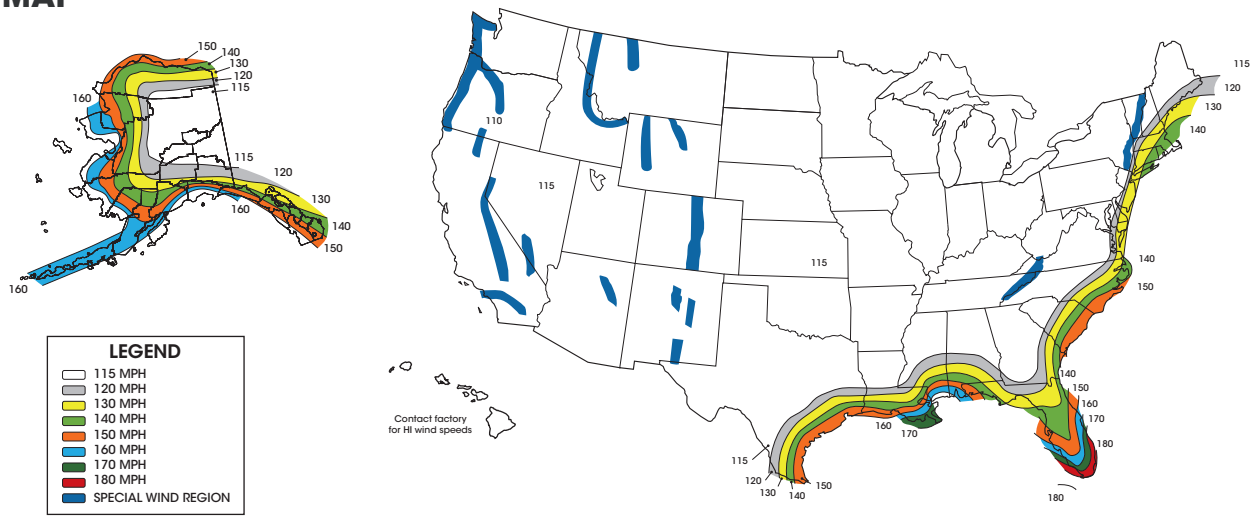
T3120
3 Way Adapter

T490
4 Way Adapter

CPLN
½", ¾", 1¼', 1½", or 2" Coupling

NPLE
½", ¾", 1¼', 1½", or 2" Nipple

WIND MAP



EPA INFORMATION (ft^2)
(per 2020 FL Building Code)

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
ERNTA 84 - 125	294 - 112*	15.0	12.0	10.9	9.8	8.4	6.8	5.8	5.0	4.6	3.8
ERNTA 104 - 125	203 - 66.5*	11.5	9.0	8.4	7.6	6.2	4.8	4.0	3.4	3.2	2.6
ERNTA 124 - 125	150.5 - 60*	8.9	6.8	6.4	5.4	4.2	3.6	2.6	2.2	2.0	1.6
ERNTA 144 - 125	105 - 60*	6.8	5.4	4.4	3.8	2.8	2.4	1.8	1.2	1.0	0.8
ERNTA 105 - 125	300 - 147*	19.0	15.4	14.0	12.5	10.5	9.3	7.7	6.7	6.1	5.1
ERNTA 125 - 125	262.5 - 105*	15.0	12.0	10.7	10.0	8.0	7.1	6.0	5.3	4.7	4.1
ERNTA 145 - 125	203 - 73.5*	12.1	9.7	8.3	7.7	6.1	5.1	4.3	3.5	3.2	2.7
ERNTA 145 - 188	300 - 133*	19.0	15.5	14.0	12.3	10.3	8.7	7.5	6.7	5.9	4.9
ERNTA 165 - 125	136.5 - 60*	8.9	6.7	6.1	5.1	4.5	3.7	2.9	2.7	2.3	1.7
ERNTA 165 - 188	241.5 - 94.5*	14.7	11.5	10.5	9.5	7.9	6.7	5.7	4.9	4.3	3.5
ERNTA 185 - 125	84 - 60*	7.0	5.3	4.5	3.9	2.9	2.3	2.1	1.5	1.3	1.0
ERNTA 185 - 188	189 - 66.5*	12.0	9.5	`8.1	7.5	5.9	4.9	4.1	3.5	3.3	2.5
ERNTA 205 - 188	140 - 60*	10.1	7.4	6.5	5.5	4.7	3.9	3.3	2.7	2.3	1.7
ERNTA 206 - 188	287 - 108.5*	16.0	13.1	12.0	10.7	8.9	7.5	6.3	5.7	4.7	4.1
ERNTA 206 - 250	300 - 147*	20.0	18.7	16.7	15.5	12.7	10.7	9.5	7.9	6.9	6.3
ERNTA 256 - 188	136.5 - 60*	9.1	7.1	6.3	5.9	4.5	3.9	3.3	2.7	2.3	1.9
ERNTA 256 - 250	220.5 - 84*	13.7	10.9	10.1	9.1	7.5	6.3	5.3	4.5	3.9	3.1

*** 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.
- U.S. Architectural discourages the attachment of unauthorized accessories; any such attachments will void the manufacturer's warranty.
- 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 installations have been known to fail due to destructive 2nd mode pole vibration.
- For pole installations with a combined (fixtures, banners, flags, etc.) of less than 0.75 ft2 EPA and 20 feet or taller, it is strongly recommended that you install a vibration dampener.

Please consult with the factory for specific dampener to order.