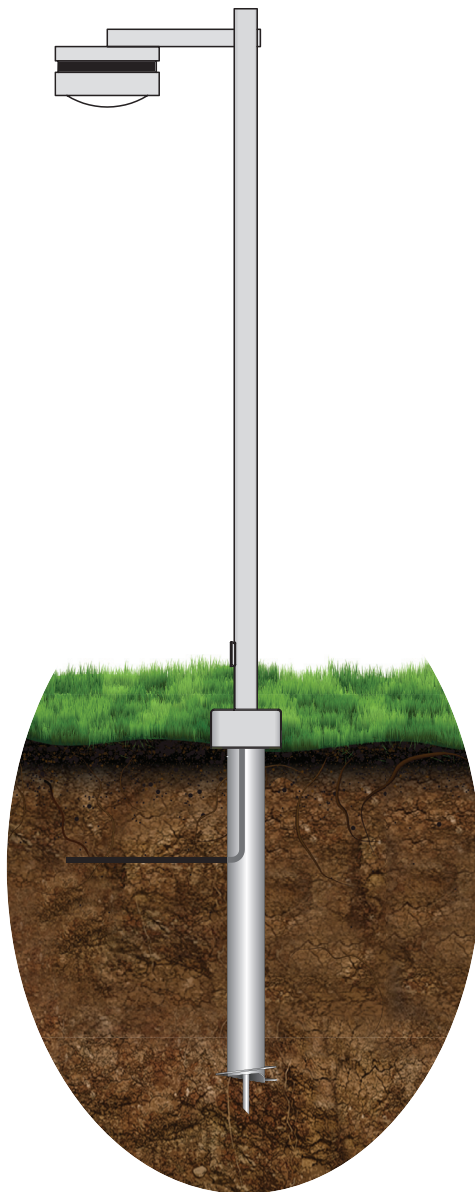


## ECP Light Pole Foundation

- Economic
- Quick Installation
- No Spoils Created
- All Weather Installation
- No Vibration Installation
- Permanent or Temporary Applications
- No Concrete Cure Time
- Environmentally Friendly
- Immediate Loading Capabilities
- Made in the USA



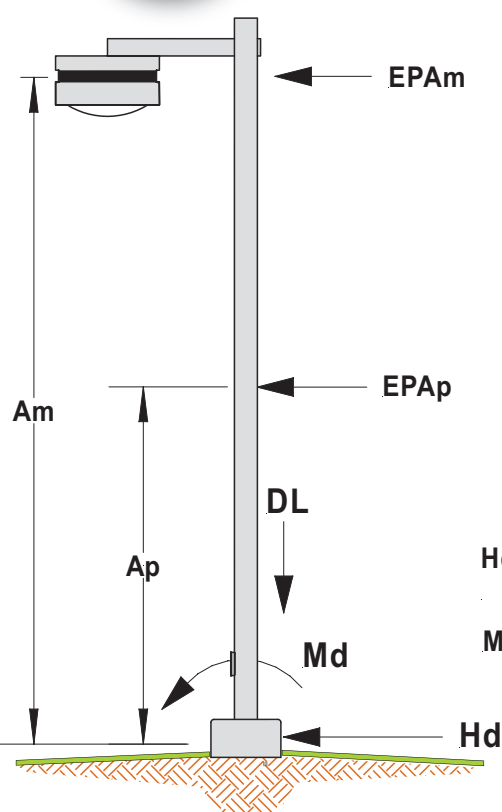
**ECP UTILITY**  
**1-866-327-0007**

15612 S Keeler Terr.  
Olathe, Ks 66062  
Phone: 913-393-0007  
Fax: 913-393-0008  
info@ecputility.com  
www.ecputility.com



# UTILITY

# ECP LPS



$q$  = wind pressure

$EPAm$  = Effective projected area of light fixture

$EPAp$  = Effective projected area of light pole

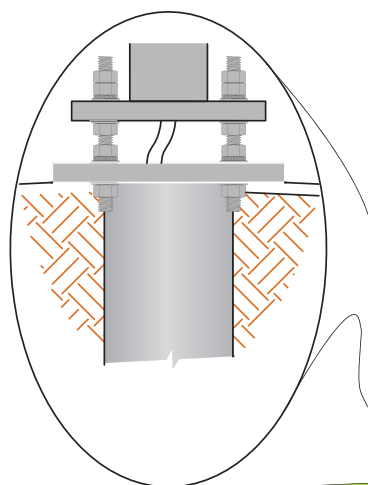
$Am$  = Moment arm to  $EPAm$  centroid

$Ap$  = Moment arm to  $EPAp$  centroid

### PILE REACTIONS

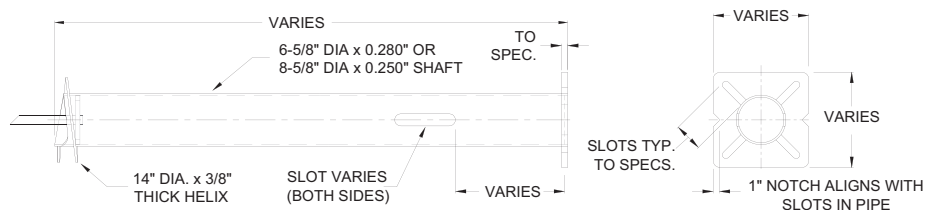
$$H_d = H_1 + H_2 \\ = [EPAm \times q] + [EPAp \times q]$$

$$M_d = [H_1 \times Am] + [H_2 \times Ap]$$



### Resultant Pile Foundation Loads

#### Light Pole Anchor Configurations



NOTE: 4\"/>

Product Designation	Shaft Size	Plate Diameter	Length	Ultimate-Limit Capacity at SPT $\geq 5$ bpf	
				Overturning Moment	Lateral Load
LPS-400-60 12	4"	12"	5'-0"	< 5,000 ft-lb	< 500 lb
LPS-663-60 14	6-5/8" x 0.280" Wall	14"	5'-0"	< 12,000 ft-lb	< 1,000 lb
LPS-663-84 14			7'-0"		
LPS-663-120 14			10'-0"		
LPS-863-60 14	8-5/8" X 0.250" Wall	14"	5'-0"	< 17,500 ft-lb	< 1,200 lb
LPS-863-84 14			7'-0"		
LPS-863-120 14			10'-0"		

#### Notes: Standard Product Shown Includes:

Standard Integral Pile Cap - 1" thick x 15-3/4" Square pile cap welded to shaft

Standard 1-1/8" slots are designed for 1" diameter mounting bolts

Cable Access Slot available on both sides of shaft - (2" x 10" Standard)

Supplied Hot Dip Galvanized Per ASTM A123 Grade 100.

Stinger End (LPS) has single chamfer on bottom of shaft with a "stinger" for alignment

Double Chamfer on bottom of LPC product shafts to ease installation - No "Stinger" on LPC (Not Shown)

Special Product Designs Are Available: We fabricate custom light pole supports to your design specifications

Please allow extra time for Special Product Designs.