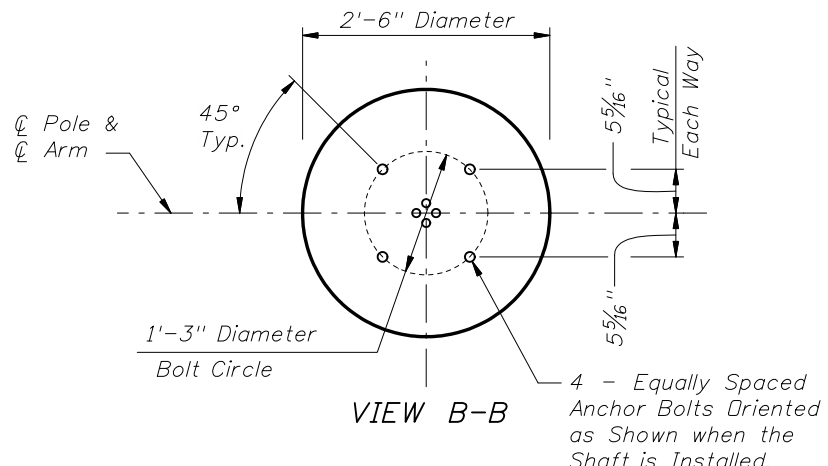
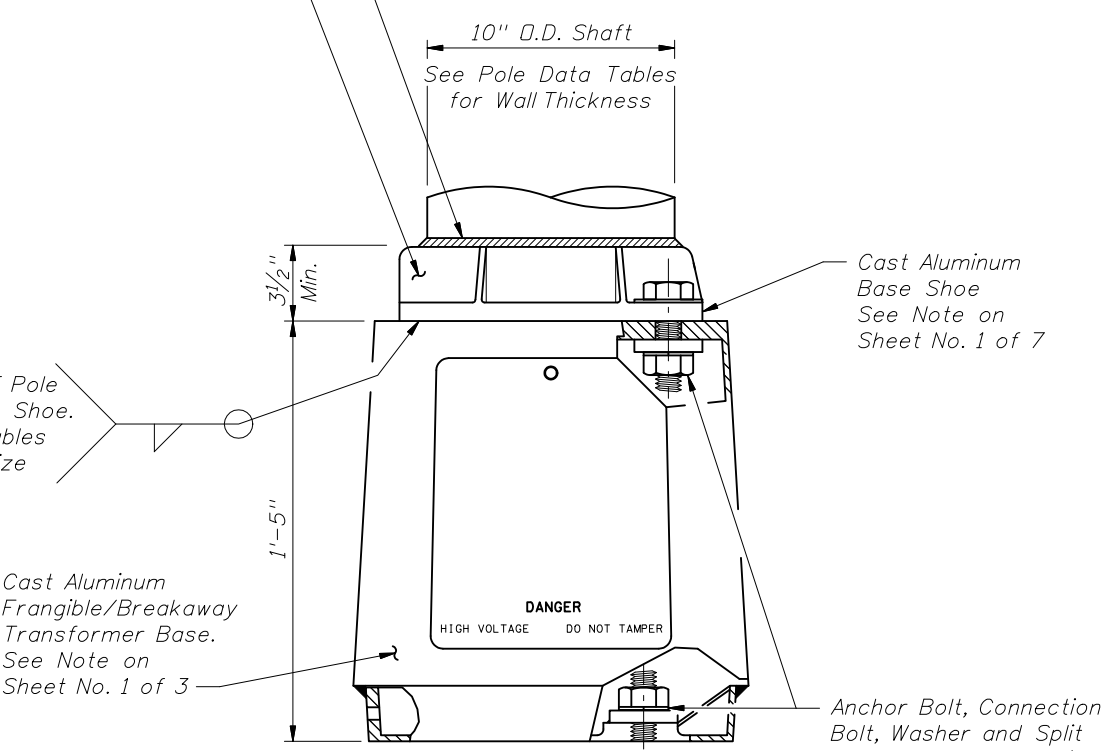


**FOUNDATION NOTES:**  
 The foundations for Standard Roadway Aluminum Lighting Poles are pre-designed and are based upon the following conservative soil criteria which covers the great majority of soil types found in Florida:  
 Classification = Cohesionless (Fine Sand)  
 Friction Angle = 30 Degrees (30°)  
 Unit Weight = 50 lbs./cu. ft. (assumed saturated)  
 Only in cases where the Designer considers the soil types at the specific site location to be of lesser strength properties should an analysis be required. Auger borings, SPT borings or CPT soundings may be utilized as needed to verify the assumed soil properties, and at relatively uniform sites, a single boring or sounding may cover several foundations. Furthermore, borings in the area that were performed for other purposes may be used to confirm the assumed soil properties.



Cast Aluminum Pressure Mounted Nut Cover - Bolted Attachment Optional  
 Fillet Weld Outside of Pole to Inside of Base Shoe. See Pole Data Tables for Upper Weld Size.



POLE TABLE					
WIND SPEED (MPH)	ARM LENGTH (FT)	DESIGN MOUNTING HEIGHT (FT)	POLE WALL (IN)	UPPER WELD (IN)	LOWER WELD (IN)
110	8, 10, 12 & 15	40 & 45	0.156	0.156	0.156
110	8, 10, 12 & 15	50	0.188	0.188	0.188
130	8, 10 & 12	40	0.156	0.156	0.156
130	15	40	0.188	0.188	0.188
130	8, 10, & 12	45	0.188	0.188	0.188
130	15	45	0.250	0.250	0.250
130	8, 10, 12 & 15	50	0.250	0.250	0.250
150	8, 10, & 12	40	0.188	0.188	0.188
150	15	40	0.250	0.250	0.250
150	8, 10, 12 & 15	45	0.250	0.250	0.250
150	8, 10, 12 & 15	50	0.313	0.313	0.313

**NOTE:**  
 Pole wall thicknesses shown in the POLE TABLE are nominals and shall be within the Aluminum Association Tolerances. Thicker walls are permitted and tapered walls may be used provided the minimum Aluminum Association thicknesses are not violated.

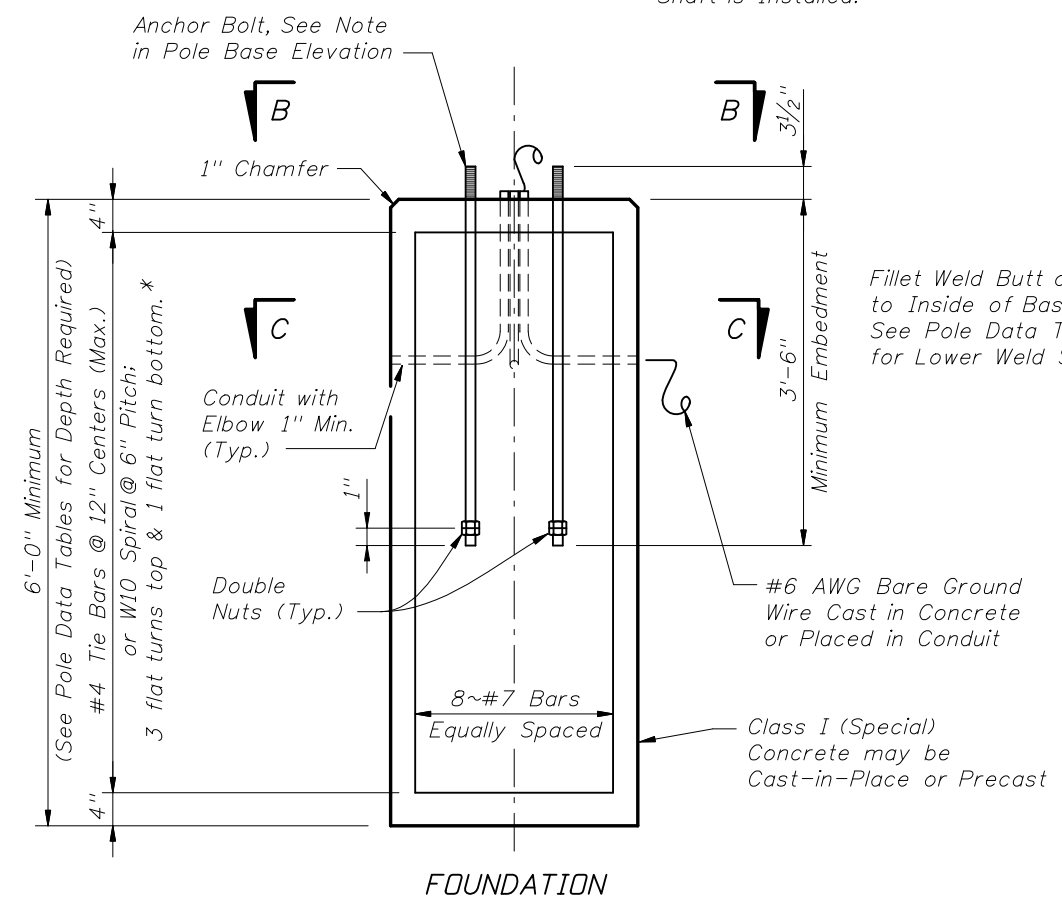
Fillet Weld Butt of Pole to Inside of Base Shoe. See Pole Data Tables for Lower Weld Size

Cast Aluminum Frangible/Breakaway Transformer Base. See Note on Sheet No. 1 of 3

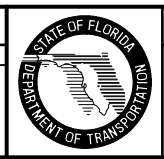
FOUNDATION TABLE		
WIND SPEED (MPH)	DESIGN MOUNTING HEIGHT (FT)	TOTAL DEPTH (FT) *
110	40	7
110	45 & 50	8
130	40 & 45	8
130	50	9
150	40 & 45	9
150	50	10

\* Depths shown in table are for grades flatter than 1:4, for grades up to 1:2 add 2'-6" to foundation depths shown in table.

- \* Shop-weld assemblies of foundation stirrup reinforcing bars are permitted in reinforced concrete foundation provided that:
1. The reinforcing bars conform to ASTM Specification A706/706M.
  2. The holding wires conform to ASTM Specification A82 or A496.
  3. The Shop welding is performed by machines under a continuous, controlled process, approved by the Engineer.
  4. Quality control tests are performed on shop-welded specimens and the test results are available, upon request, to the Engineer.



REVISIONS			
DATE	BY	DESCRIPTION	
01/01/08	DYW	Added 1" dimension to FOUNDATION detail. Changed 'Class I ... note on FOUNDATION detail.	



BASE DETAILS