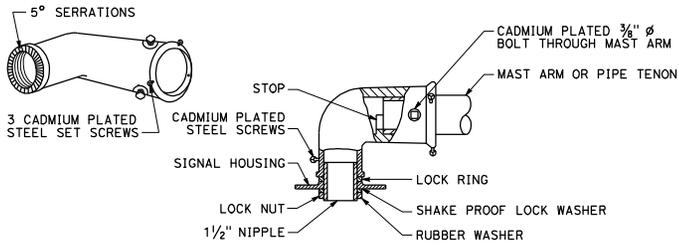
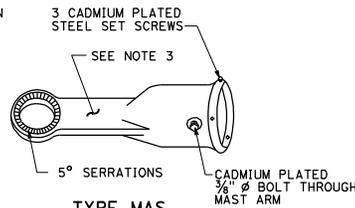


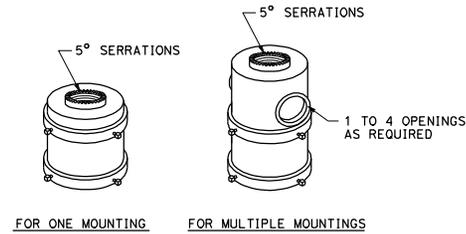
D16+	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
<i>William F. McFar</i> REGISTERED ELECTRICAL ENGINEER					
May 20, 2011 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS            OR AGENTS SHALL NOT BE RESPONSIBLE FOR            THE ACCURACY OR COMPLETENESS OF SCANNED            COPIES OF THIS PLAN SHEET.</small>					
REGISTERED PROFESSIONAL ENGINEER <i>Jeffery G. McRob</i> No. E14512 Exp. 6-30-12 ELECTRICAL STATE OF CALIFORNIA					



**TYPE MAT**  
**MAST ARM MOUNTING**  
 For 2 NPS pipe, see Note 1.



**TYPE MAS**  
**MAST ARM MOUNTING**  
 For 2 NPS pipe, see Note 1.

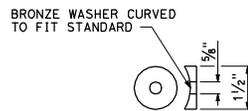


**TOP MOUNTINGS**  
 For 4 NPS pipe, see Note 2.

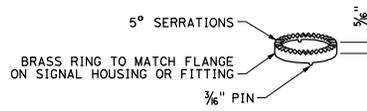
**NOTES:**

1. After mast arm signal has been plumbed and secured, drill  $\frac{1}{16}$ " hole through mast arm tenon in line with slip fitter hole. Place a cadmium plated  $\frac{3}{16}$ " galvanized bolt with washer under bolt head through hole and secure with washer, nut, and locknut. Seal openings between mast arm mountings and mast arm with mastic.
2. (A) Threaded top mounted slip fitter openings shall be  $\frac{1}{2}$ " NPS.  
 (B) Serrations in fittings shall match those on bottom of signal heads or in lock ring.  
 (C) Top opening shall be offset when backplate is used.
3. Wireway shall have a cross section area of 0.95 square inch minimum. Minimum width of  $\frac{1}{2}$ ".

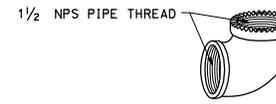
**SIGNAL SLIP FITTERS**



**DETAIL C**

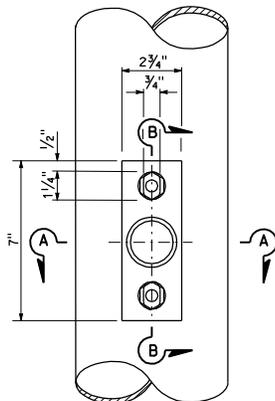


**LOCK RING**  
 Use where locking ring is not integral with signal housing or fitting.

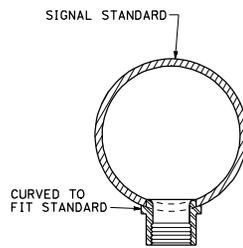


**SPECIAL 90° ELBOW**  
 One for each signal head, except those with special slip fitter mounting

**MISCELLANEOUS MOUNTING HARDWARE**

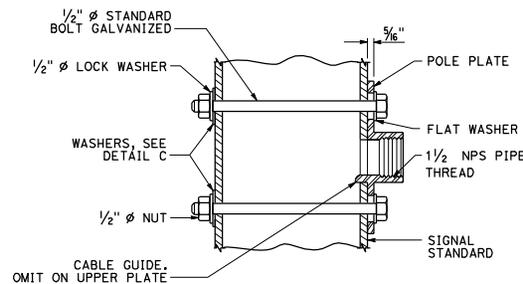


**TOP VIEW**

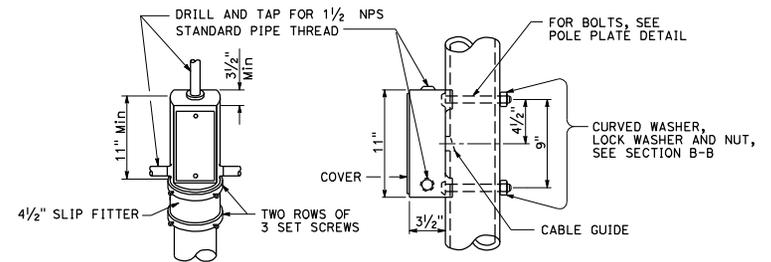


**SECTION A-A**

**POLE PLATE FOR SIDE MOUNTING**



**SECTION B-B**



**TOP MOUNTING**

**SIDE MOUNTING**

**TERMINAL COMPARTMENT**

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**ELECTRICAL SYSTEMS**  
**(SIGNAL MOUNTING)**

NO SCALE

**ES-4D**