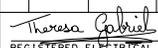
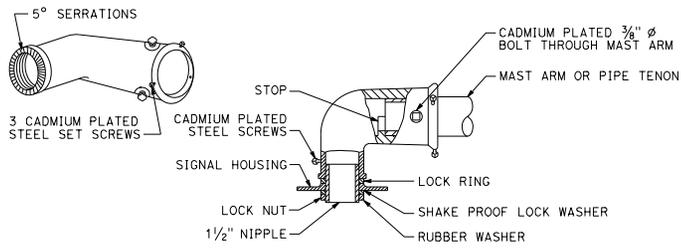
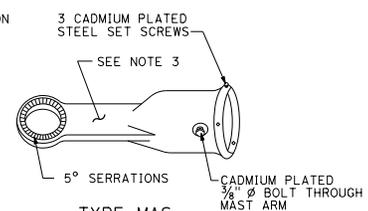


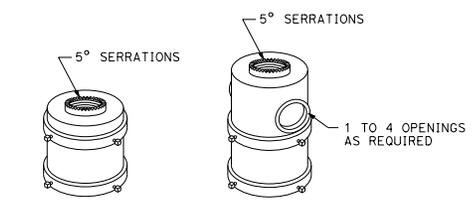
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
 REGISTERED ELECTRICAL ENGINEER Theresa Gabriel No. E15129 Exp. 6-30-16 ELECTRICAL STATE OF CALIFORNIA					
October 30, 2015 PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					



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



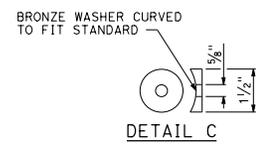
**TYPE MAS**  
**MAST ARM MOUNTING**  
For 2 NPS pipe, see Note 1.



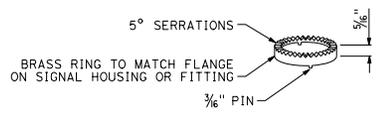
**TOP MOUNTINGS**  
For 4 NPS pipe, see Note 2.

- NOTES:**
- 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  $\frac{3}{8}$ " 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.
  - (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.
  - Wireway shall have a cross section area of 0.95 square inch minimum. Minimum width of  $\frac{1}{2}$ ".

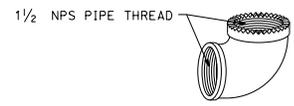
**SIGNAL SLIP FITTERS**



**DETAIL C**

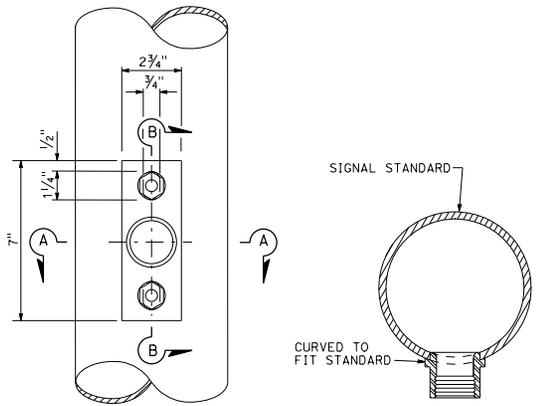


**LOCK RING**  
Use where locking ring is not integral with signal housing or fitting.

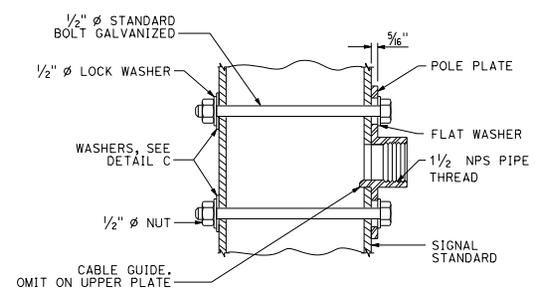


**SPECIAL 90° ELBOW**  
One for each signal head, except those with special slip fitter mounting

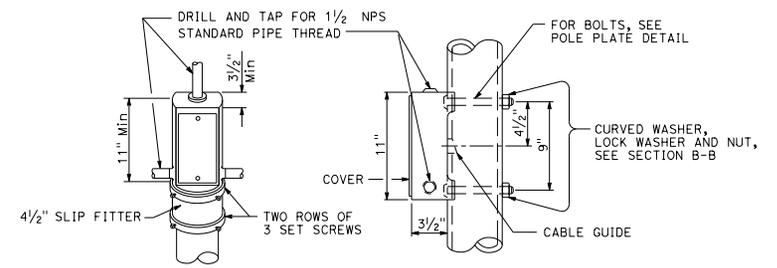
**MISCELLANEOUS MOUNTING HARDWARE**



**POLE PLATE FOR SIDE MOUNTED SIGNAL HEAD WITHOUT TERMINAL COMPARTMENT**



**SECTION B-B**



**TERMINAL COMPARTMENT**

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**ELECTRICAL SYSTEMS**  
**(SIGNAL HEAD MOUNTING)**  
NO SCALE

RSP ES-4D DATED OCTOBER 30, 2015 SUPERSEDES STANDARD PLAN ES-4D DATED MAY 20, 2011 - PAGE 446 OF THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP ES-4D**

2010 REVISED STANDARD PLAN RSP ES-4D