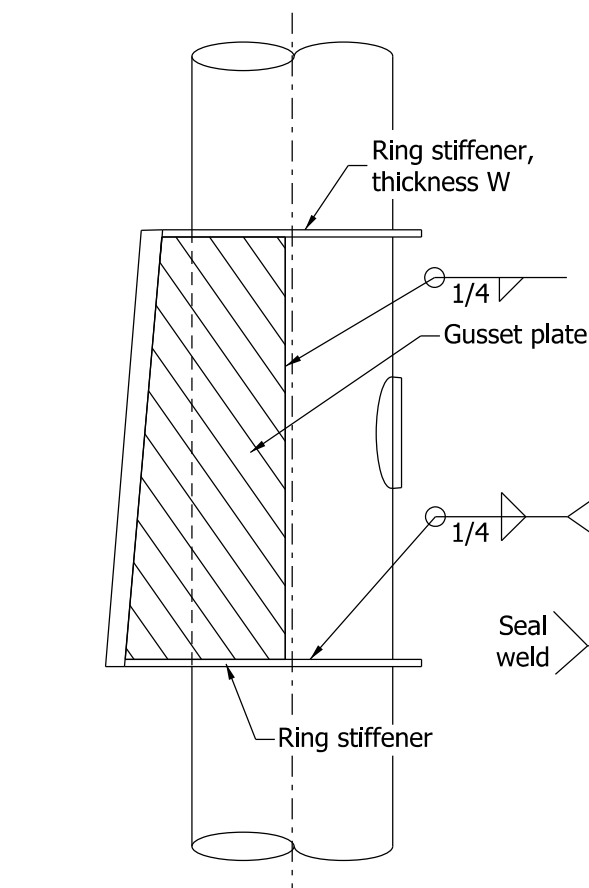
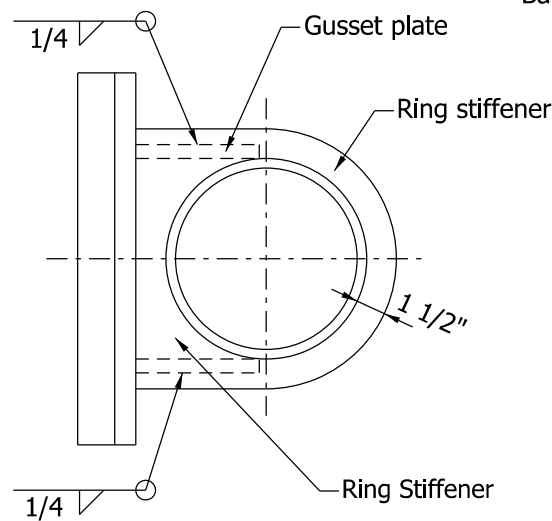
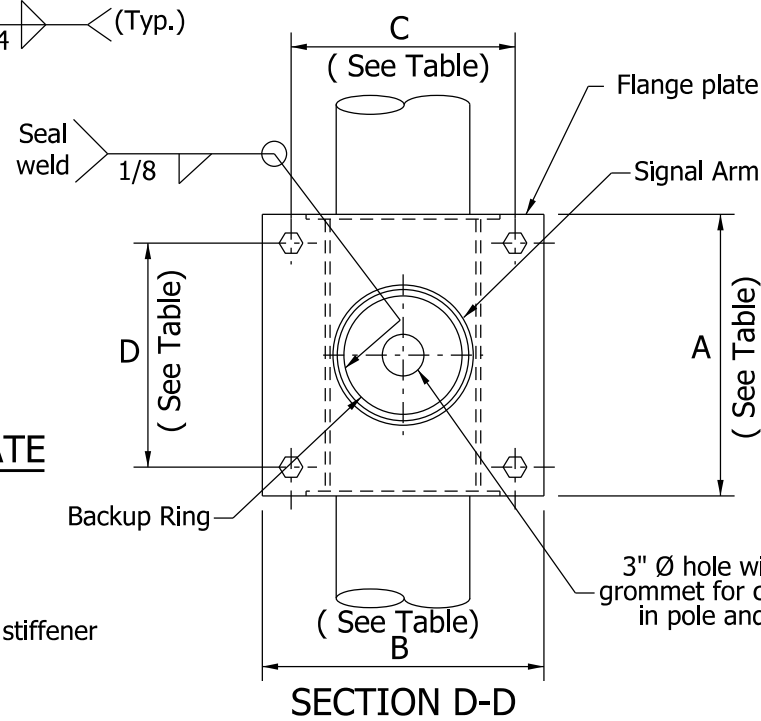




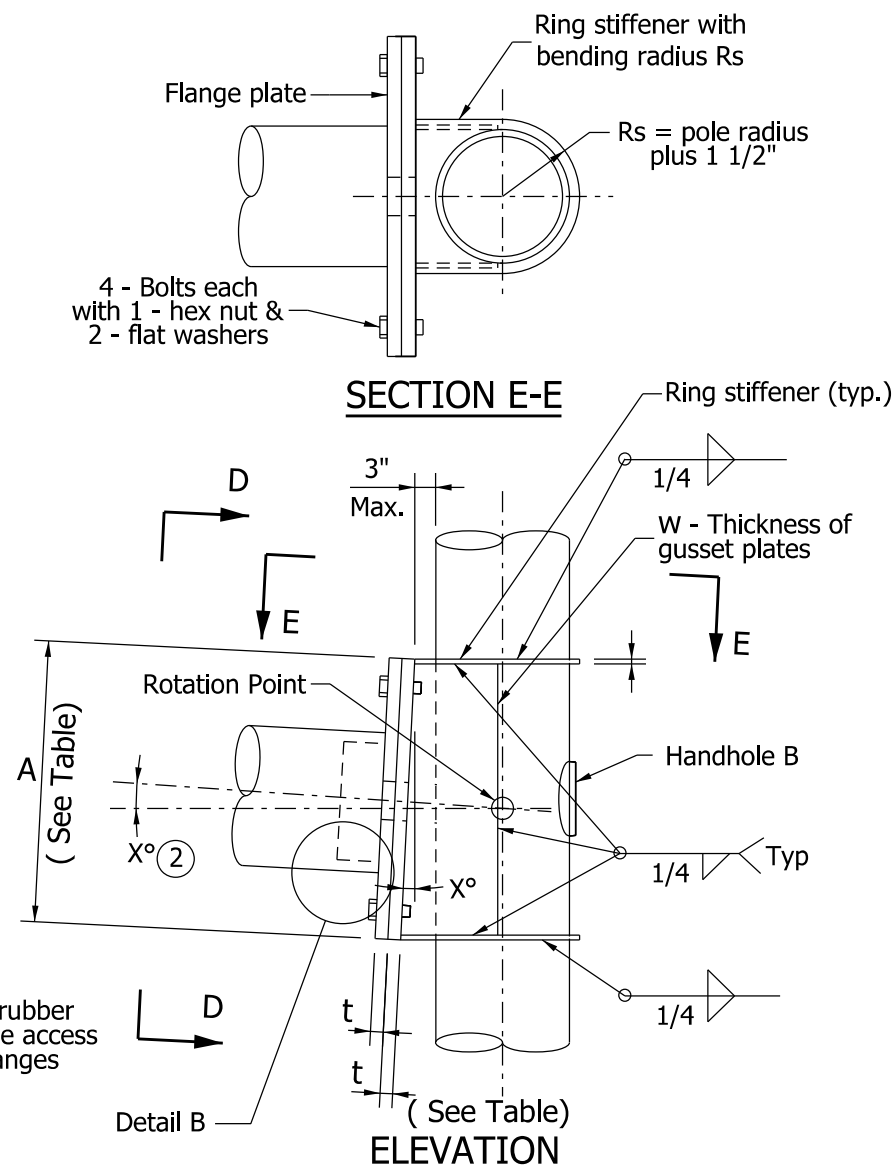
ELEVATION OF GUSSET PLATE



TOP OF GUSSET PLATE



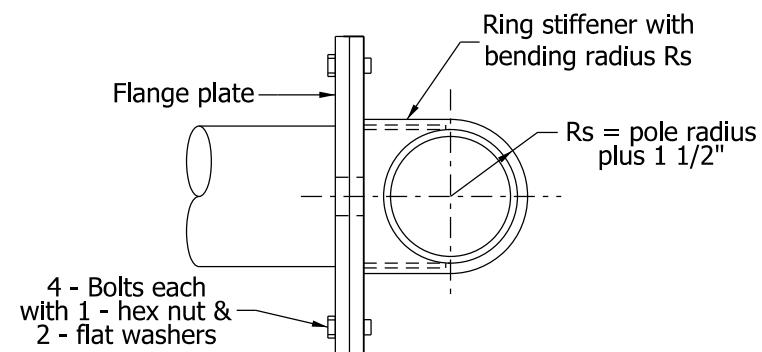
SECTION D-D



ELEVATION

SIGNAL ARM CONNECTION DETAIL

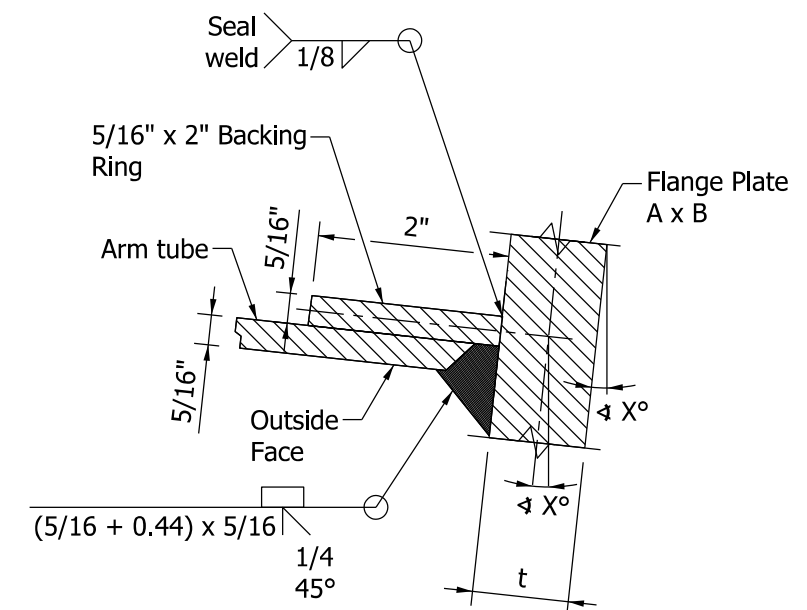
PLATES AND BOLTS FOR SIGNAL SINGLE ARM CANTILEVER					
ARM LENGTH	FLANGE PLATE A x B	BOLT PATTERN C x D	RING STIFFNER GUSSET PLATE W	FLANGE PLATE THICKNESS t	BOLT
15' TO 35'	22" X 22"	17 1/2" X 17 1/2"	3/8"	1 1/2"	1 1/8" - 7 UNC x 4 1/4" LONG
>35' TO 60'	33" X 33"	27 1/2" X 27 1/2"	1/2"	1 3/4"	1 1/2" - 6 UNC x 6 1/4" LONG



SECTION E-E

NOTES:

- See Standard Drawing E 805-TSCS-05 for Handhole B details.
- The required signal arm rise shall be built into the gusset plate at the angle X. The angle X is described as arc tan R/L, where R is the arm rise and L is the arm length. Both R and L vary and are listed in the Arm Dimension Table on Standard Drawing E 805-TSCS-02.



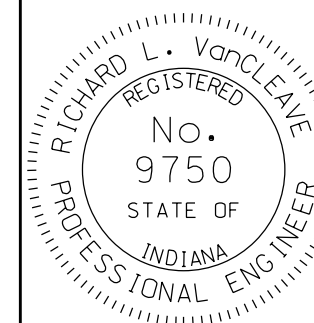
DETAIL B - ARM WELD

INDIANA DEPARTMENT OF TRANSPORTATION

**TRAFFIC SIGNAL CANTILEVER STRUCTURE
SIGNAL ARM CONNECTION DETAILS**

SEPTEMBER 2012

STANDARD DRAWING NO. E 805-TSCS-04



/s/ Richard L. VanCleave 09/04/12

SUPERVISOR, ROADWAY STANDARDS DATE

/s/ Mark A. Miller 09/04/12

CHIEF ENGINEER DATE