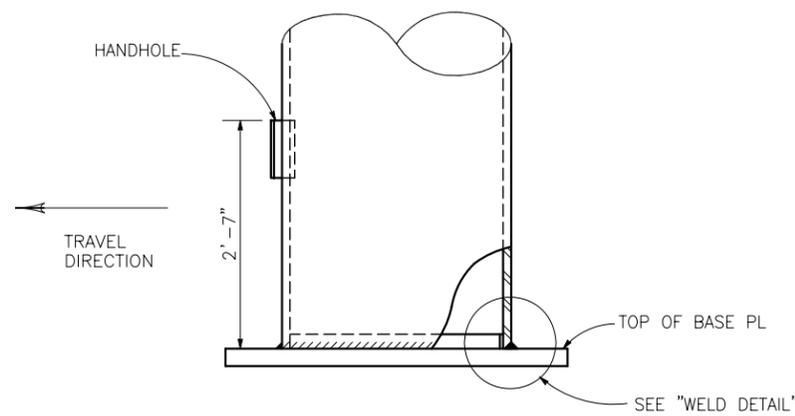


-MISCELLANEOUS MONOTUBE DETAILS-

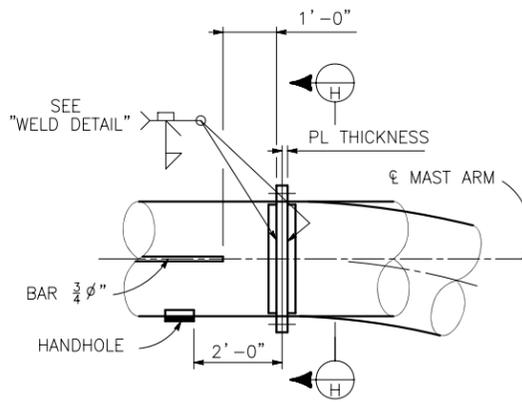
1" ASTM A-325 H.S. BOLTS (GALVANIZED) EQUALLY SPACED. THE LUBRICATED TIGHTENING TORQUE IS 395 FT.-LBS. FOR 1"Ø BOLTS. BOLTS SHALL BE SEQUENTIALLY TIGHTENED. ASSUMING 12 BOLTS AND A CLOCK FACE, THE TIGHTENING SEQUENCE WOULD BE 12, 6, 1, 7 ETC. THIS PROCESS SHALL BE CONTINUED UNTIL NO LOOSE BOLTS ARE FOUND AFTER ALL BOLTS HAVE BEEN INITIALLY TIGHTENED. SEE THE FIELD SPLICE TABLE FOR OTHER DETAILS

FIELD SPLICE					
PIPE OUTSIDE DIAMETER (IN.)	PL THICKNESS (IN.)	BC DIAMETER (IN.)	PL OD (IN.)	# OF STIFF.	# OF BOLTS
12.75	1 1/4	16	21	6	14
14	1 1/4	17	22	6	16
16	1 1/4	21	24	6	20
18	1 3/8	23	26	10	22
20	1 3/8	25	28	10	24
24	1 1/2	29	32	12	28

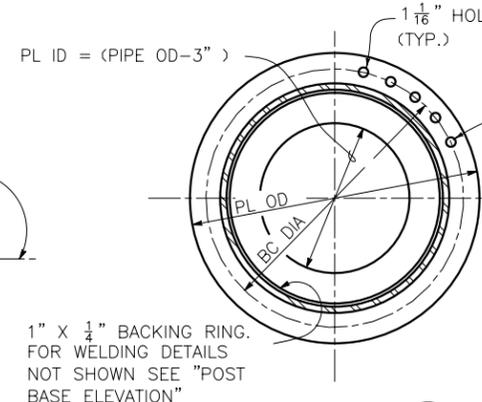


POST BASE ELEVATION

(FOR BASE PL DETAILS SEE "FOUNDATION DETAILS" SHEETS)

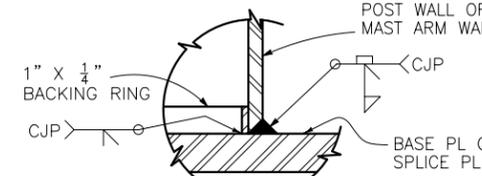


FIELD SPLICE



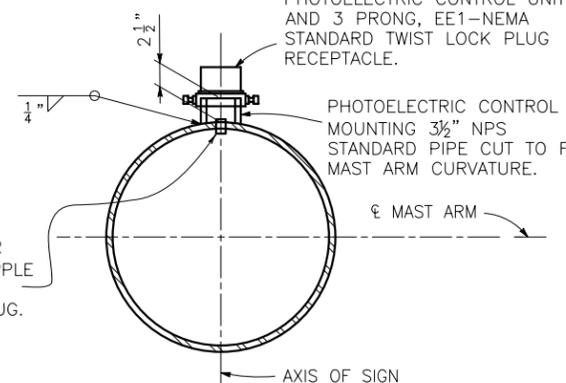
SECTION H

1" X 1/4" BACKING RING FOR WELDING DETAILS NOT SHOWN SEE "POST BASE ELEVATION"



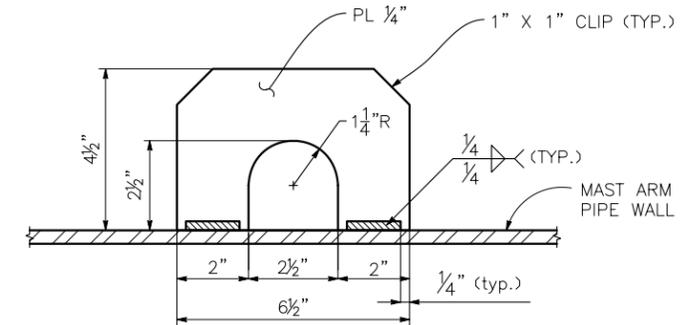
WELD DETAIL

PHOTOELECTRIC CONTROL UNIT AND 3 PRONG, EE1-NEMA STANDARD TWIST LOCK PLUG RECEPTACLE.



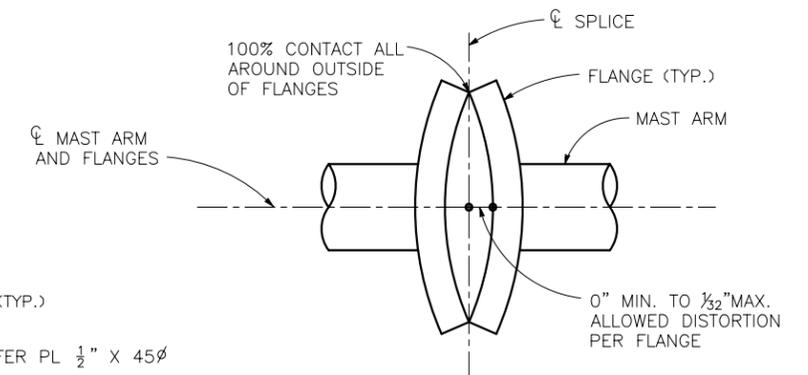
PHOTOELECTRIC CONTROL DETAILS

(SEE "LAYOUT" SHEET FOR LOCATION WHEN REQUIRED)



LIFTING EYE DETAIL

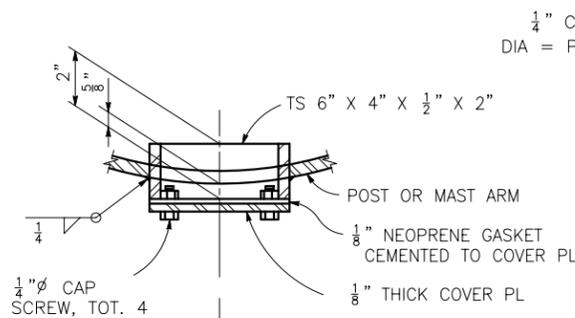
100% CONTACT ALL AROUND OUTSIDE OF FLANGES



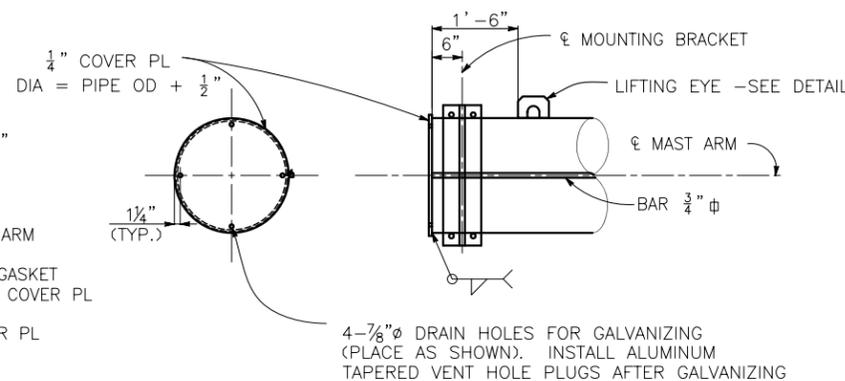
FLANGE DISTORTION TOLERANCE DIAGRAM

NOTES

1. DESIGN BASED ON CAPACITY OF STANDARD PIPE.
2. NPS = NOMINAL PIPE SIZE. OD = OUTSIDE DIAMETER.



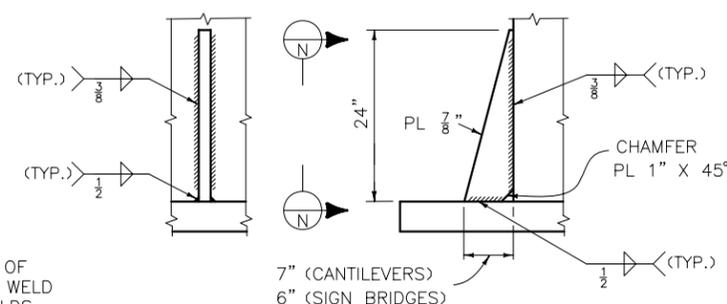
HANDHOLE AND COVER DETAILS



MAST ARM END DETAIL

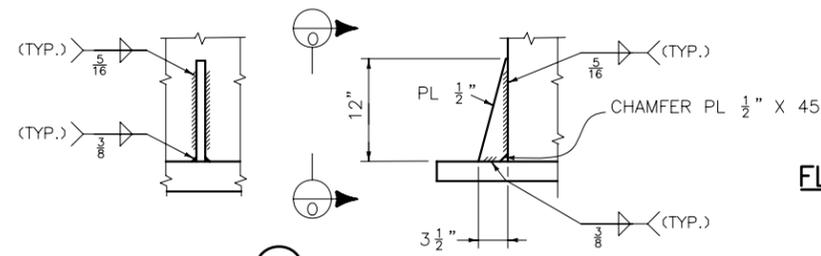
(FOR CANTILEVER ARMS)

NOTE: STIFFENERS ARE TO BE PLACED AT THE BASE OF ALL POSTS AND ALL FIELD SPLICES. SEE SHEETS 2 AND 7 FOR THE LOCATION OF STIFFENERS. STIFFENERS ARE NOT SHOWN ELSEWHERE IN THESE SHEETS FOR CLARITY.



SECTION N STIFFENER DETAILS

(@ THE POLE BASE)



SECTION O STIFFENER DETAILS

(@ THE FIELD SPLICE)

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(R-X)	

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Safety & Traffic Engineering Branch

KCM

MONOTUBE OVERHEAD SIGNS

Issued By: Traffic Engineering Unit July 4, 2006

STANDARD PLAN NO.

S-614-50

Sheet No. 6 of 14