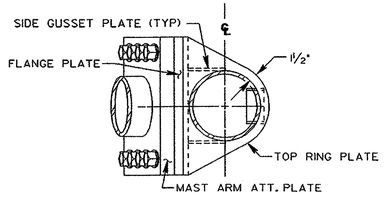
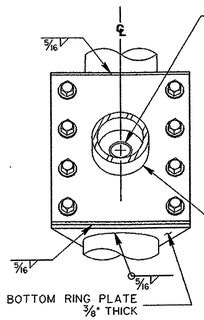
POLE AND MAST ARM FABRICATION DETAILS

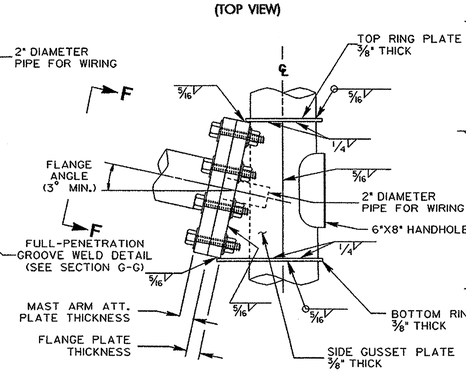
PROJECT REFERENCE NO.	SHEET NO.
U-4010	Sig. 27 dwg. MP8



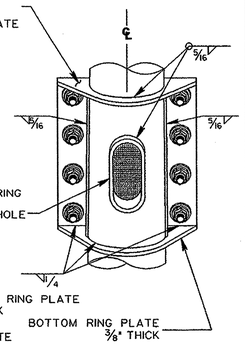
VIEW B–B
(TOP VIEW)



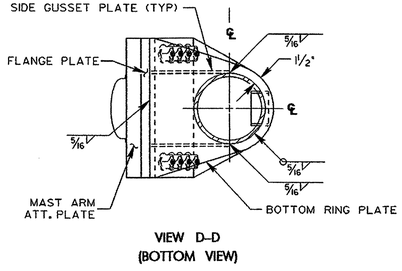
VIEW A–A
(FRONT VIEW)
0° RADIAL ORIENTATION



ELEVATION VIEW
(LEFT SIDE VIEW)
270° RADIAL ORIENTATION

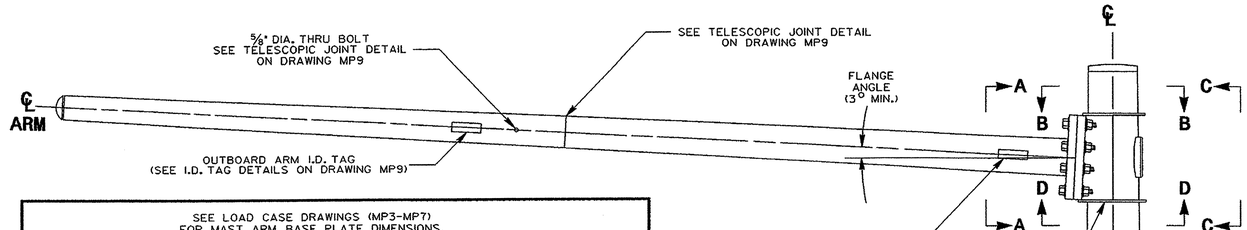


VIEW C–C
(BACK VIEW)
180° RADIAL ORIENTATION

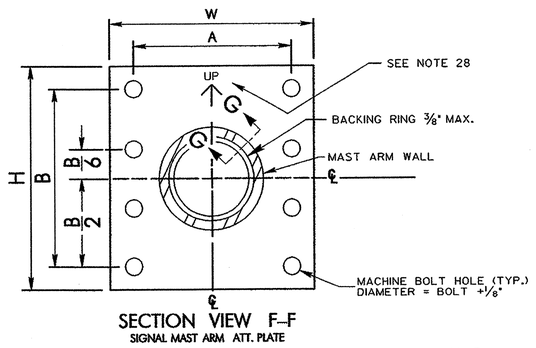


VIEW D–D
(BOTTOM VIEW)

RING STIFFENED BUILT UP BOX DETAILS FOR MAST ARM ATTACHMENT

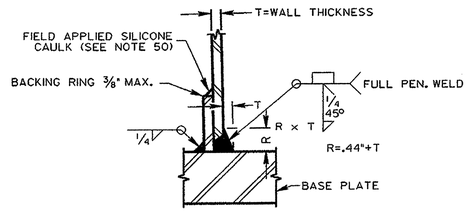


SEE LOAD CASE DRAWINGS (MP3-MP7) FOR MAST ARM BASE PLATE DIMENSIONS.



SECTION VIEW F–F
SIGNAL MAST ARM ATT. PLATE

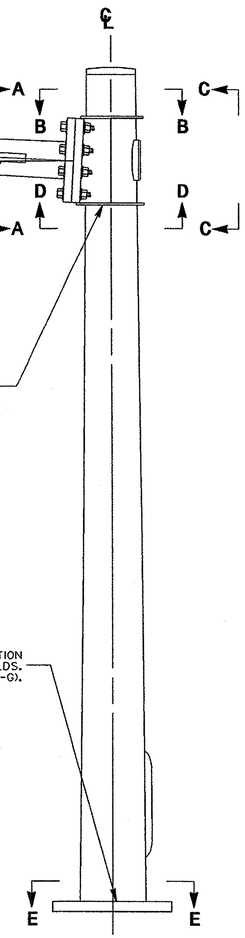
MAST ARM PLATE CONNECTION DETAILS



SECTION G–G

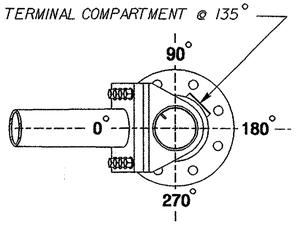
FULL–PENETRATION
GROOVE WELD DETAIL
(SIGNAL ARM ATT. AND POLE BASE PLATES)

SEE POLE BASE PLATE CONNECTION DETAILS FOR FULL PENETRATION WELDS. (SECTION VIEW E-E AND CROSS SECTION G-G).

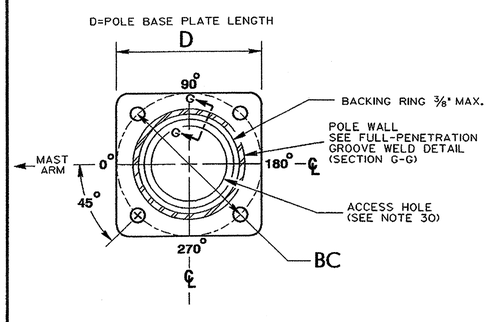


ELEVATION VIEW

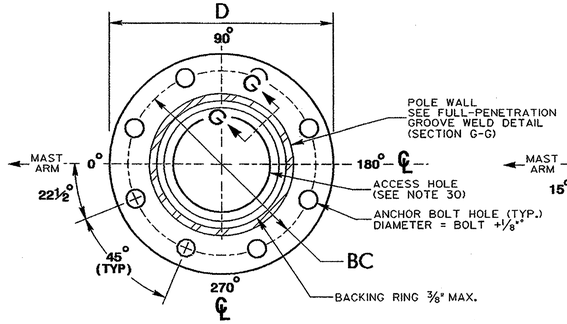
TERMINAL COMPARTMENT @ 135°



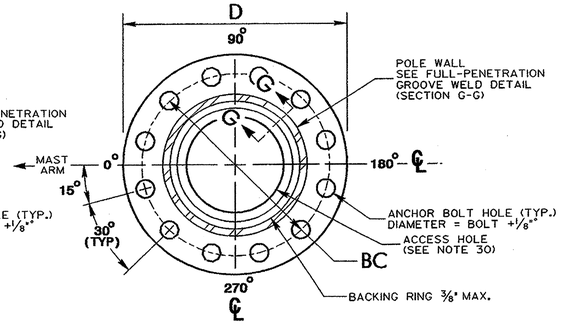
PLAN VIEW
RADIAL ORIENTATION



SQUARE POLE BASE PLATE FOR 4 BOLT CONNECTION



CIRCULAR POLE BASE PLATE FOR 8 BOLT CONNECTION



CIRCULAR POLE BASE PLATE FOR 12 BOLT CONNECTION

SEE LOAD CASE DRAWINGS (MP3-MP7) FOR ALL POLE BASE PLATE DIMENSIONS.

POLE BASE PLATE CONNECTION DETAILS (SECTION VIEW E-E)

METAL POLES WITH MAST ARMS

Prepared in the Offices of:
The Department of Transportation and Safety, Bureau of Traffic Engineering and Safety Systems, Signals and Geometrics Section
122 N. McDonald St., Raleigh, NC 27603

METAL POLE AND MAST ARM FABRICATION DETAILS

PLAN DATE:	APRIL 2003	REVIEWED BY:	D.C. SARKAR
PREPARED BY:	C.F. ANDREWS	REVIEWED BY:	R.E. MULLINAX

REVISIONS	INIT.	DATE

SCALE: 0 NA NONE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 028094 ENGINEER DINESH C. SARKAR

SIGNATURE: D. Sarkar DATE: 6.3.03

SIG. INVENTORY NO.

03-JUN-2003 09:51
M:\Peoples-Unit\Workgroups\Andrews 2003 Mast Arms\mp8.dgn
cfandrews