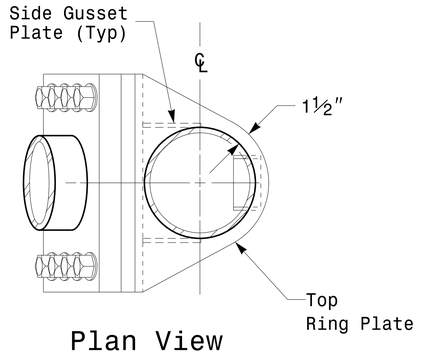
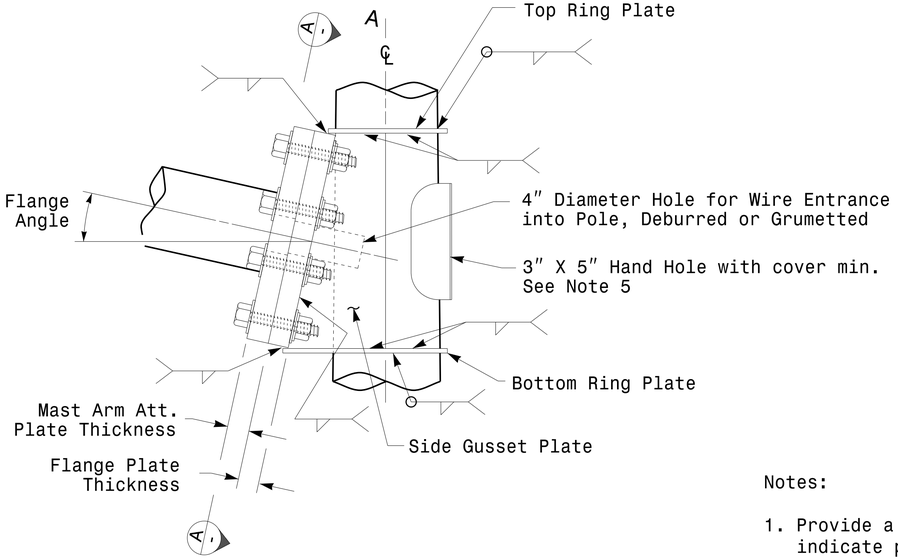
# Welded Ring Stiffened Mast Arm Connection

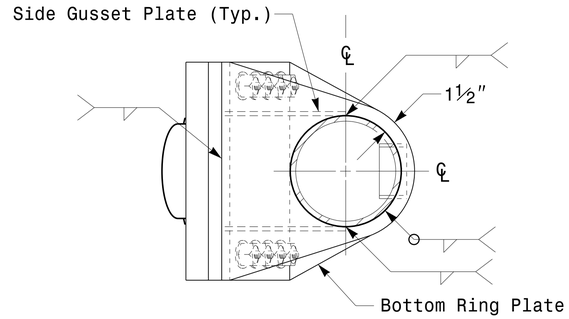
| PROJECT ID. NO. | SHEET NO. |
|---|---|
| BR-0041 | Sig.M5 |




Plan View



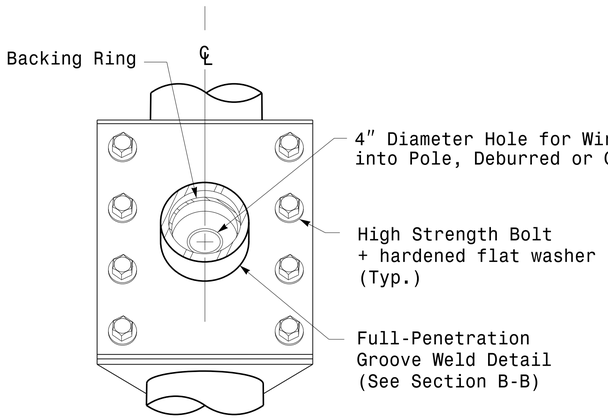

Side Elevation View



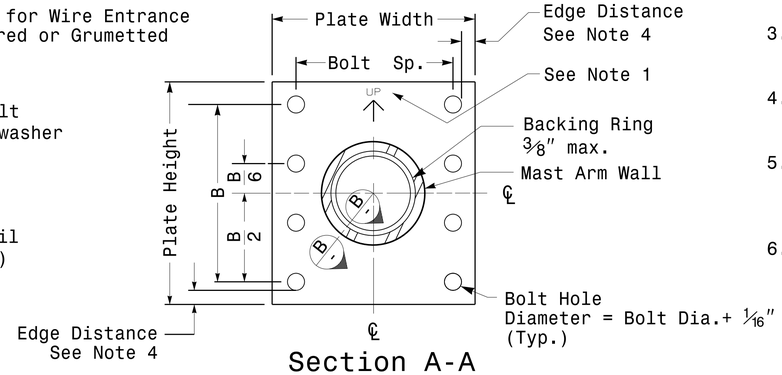

Bottom View

Notes:

1. Provide a permanent means of identification above the mast arm to indicate proper attachment orientation of the mast arm.
2. Designer will determine the size of all structural components, plates, fasteners, and welds shown unless they are already specified.
3. Fabricator is responsible for providing appropriate holes at drainage points to drain galvanizing materials.
4. For minimum edge distance follow AISC Table J3.4 and J3.5. For nominal bolt hole size use Table J3.3.
5. Provide upper handhole as necessary when shaft extensions are required for luminaire arms or camera. For poles without luminaires/camera, wiring can be done through the top of pole.
6. Allowable range of flange tilt angle will vary from 0° to as required.

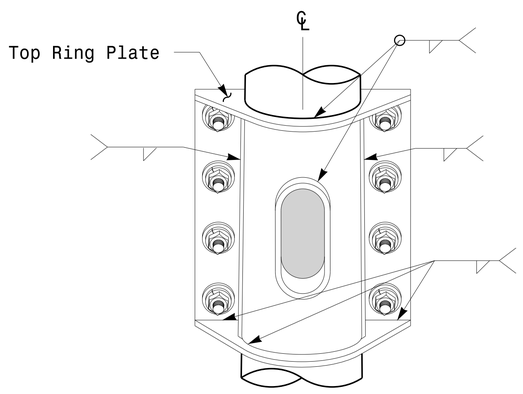



Front Elevation View

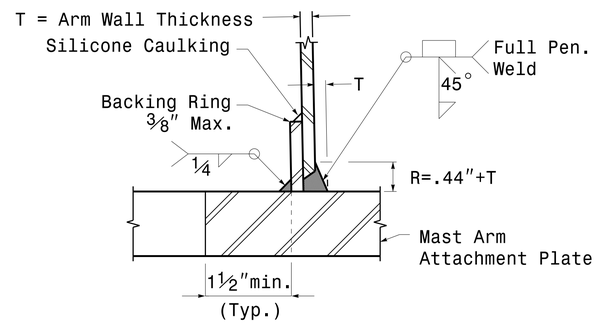



Section A-A

Mast Arm Attachment Plate




Back Elevation View




Section B-B

Full-Penetration Groove Weld Detail

Prepared in the Offices of:
Transportation Mobility and Safety Division
Signal Design Section
750 N.Greenfield Pkwy.Garner,NC 27529

Typical Fabrication Details For Mast Arm Connection To Pole

| PLAN DATE: | OCTOBER 2017 | DESIGNED BY: | C.F.ANDREWS |
|---|---|---|---|
| PREPARED BY: | N. BITTING | REVIEWED BY: | D.C. SARKAR |

| REVISIONS | INIT. | DATE |
|---|---|---|
| | | |

SCALE: 0 NA — NONE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 028094 ENGINEER DEBESH C. SARKAR

DocuSigned by: Debesh C. Sarkar 44EBE3E5A0A54...
SIGNATURE

10/11/2017
DATE

Fabrication Details — Mast Arm Connection

11-OCT-2017 08:35
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