

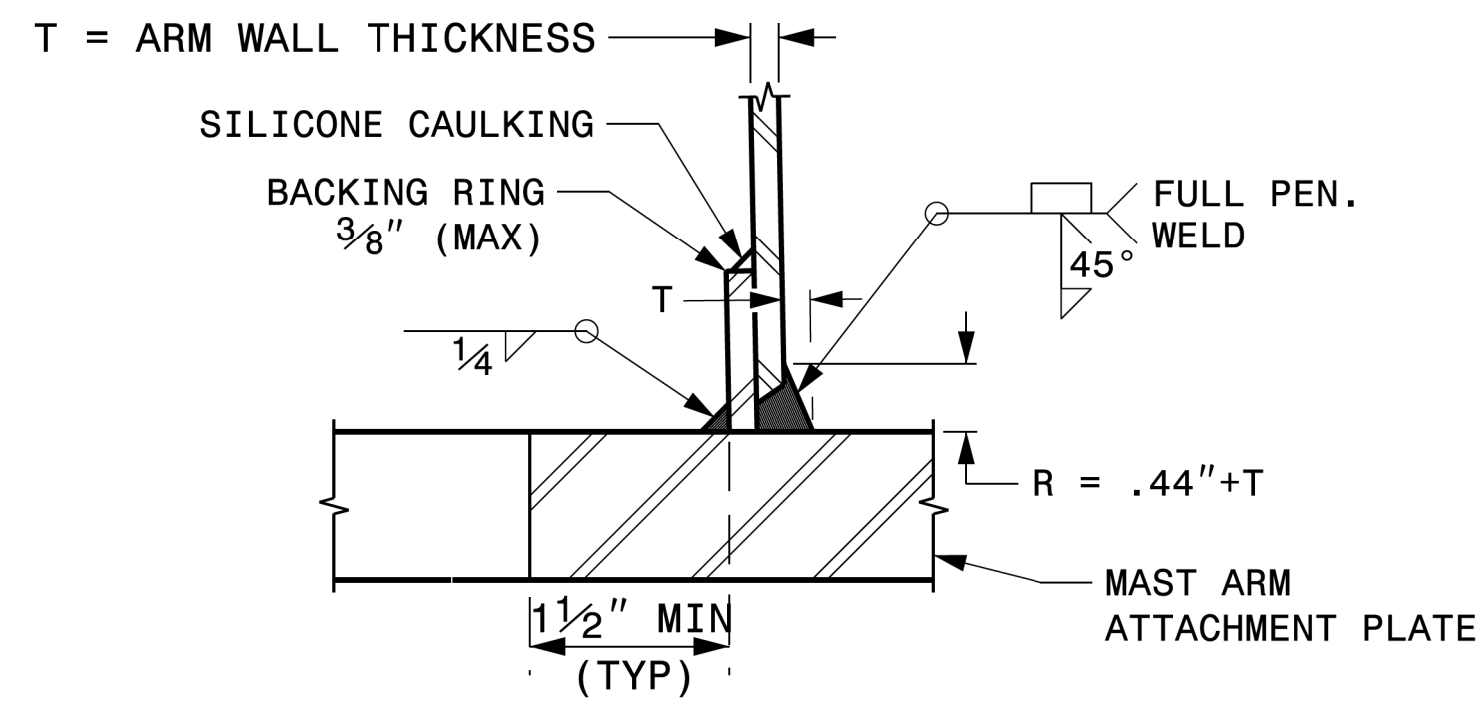
# WELDED RING STIFFENED MAST ARM CONNECTION

PROJECT I.D. NO.

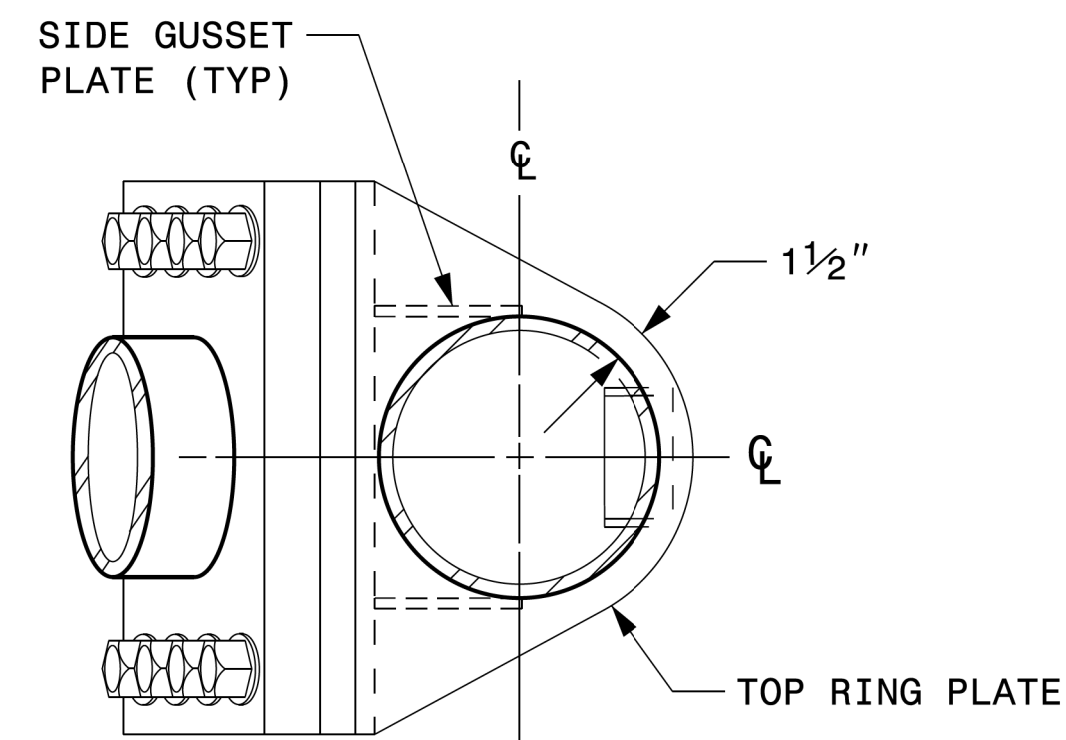
SHEET NO.

R-2577A

Sig.M5



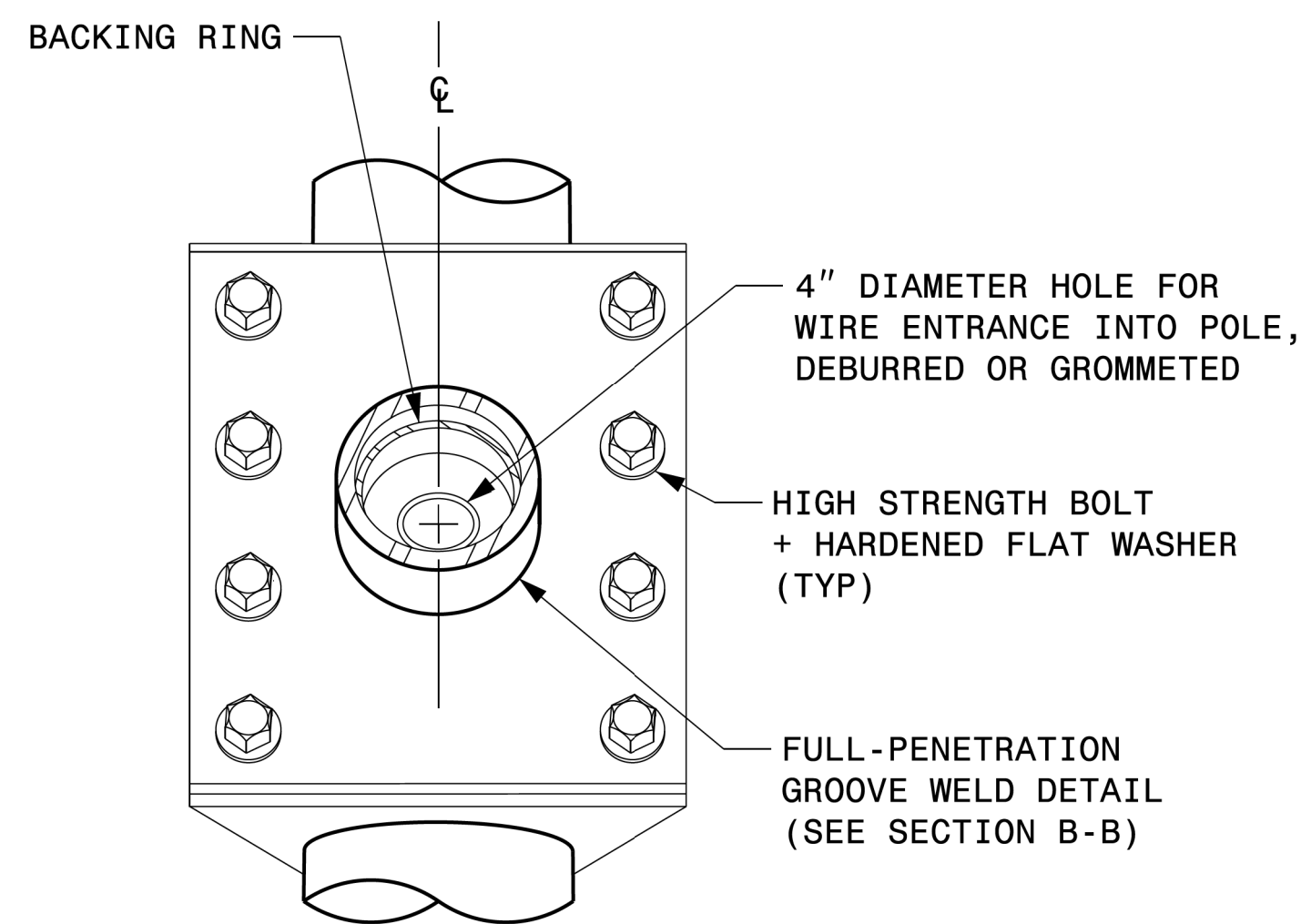
**SECTION B-B**  
**FULL-PENETRATION GROOVE WELD DETAIL**



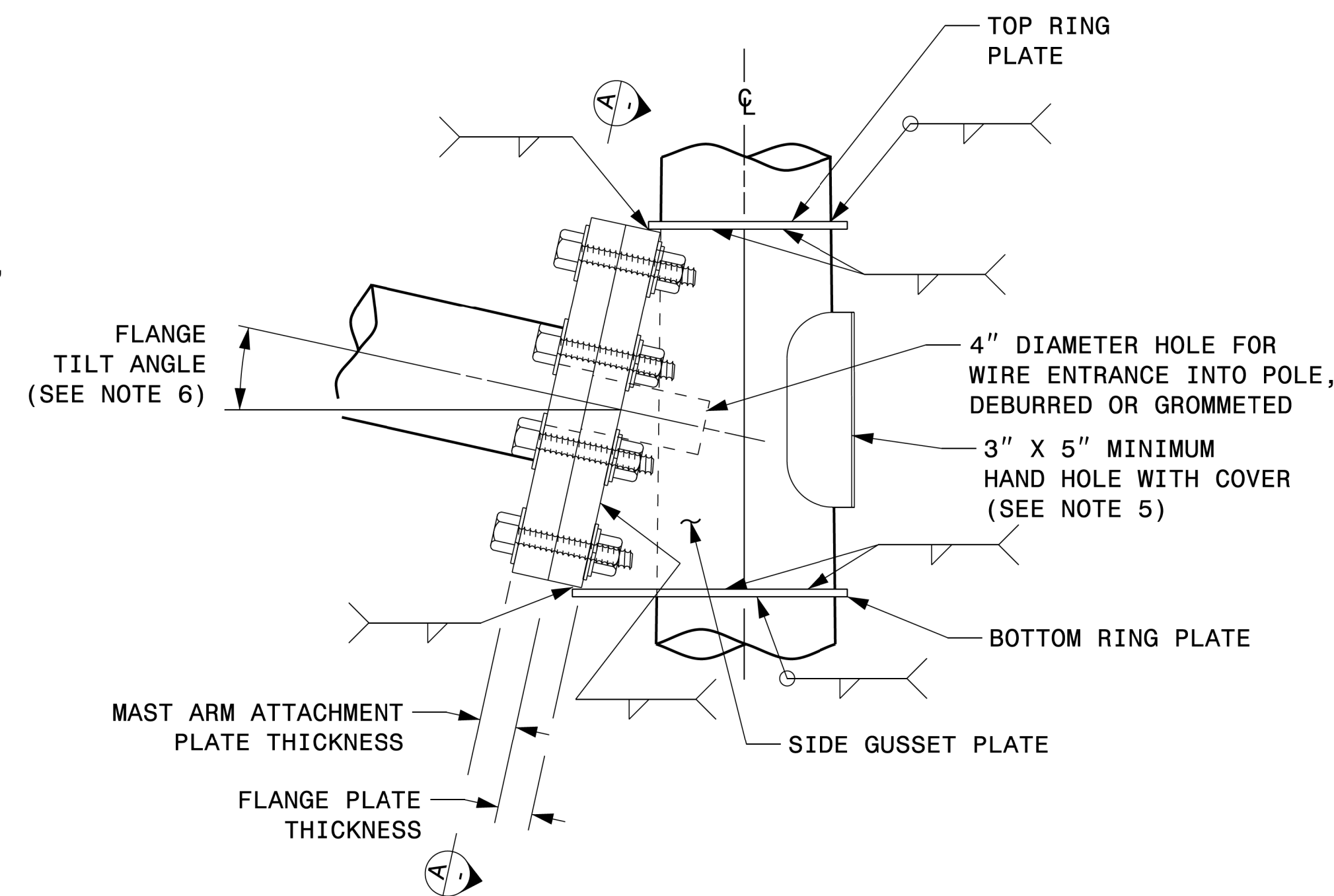
**PLAN VIEW**

**NOTES:**

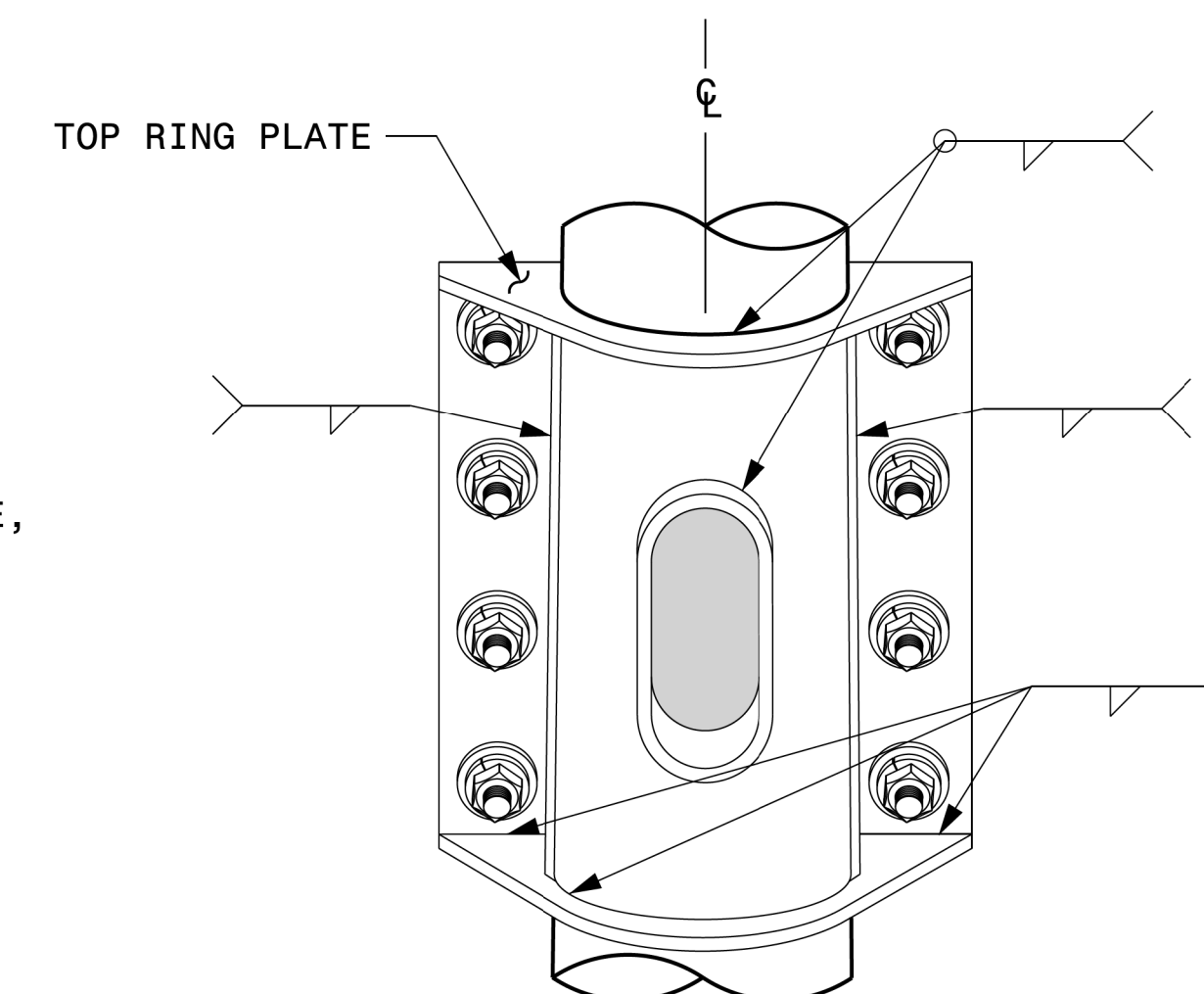
1. PROVIDE A PERMANENT MEANS OF IDENTIFICATION ABOVE THE MAST ARM TO INDICATE PROPER ATTACHMENT ORIENTATION OF THE MAST ARM.
2. DESIGNER WILL DETERMINE THE SIZE OF ALL STRUCTURAL COMPONENTS, PLATES, FASTENERS, AND WELDS SHOWN UNLESS THEY ARE ALREADY SPECIFIED.
3. FABRICATOR IS RESPONSIBLE FOR PROVIDING APPROPRIATE HOLES AT DRAINAGE POINTS TO DRAIN GALVANIZING MATERIALS.
4. FOR MINIMUM EDGE DISTANCE AND NOMINAL BOLT HOLE SIZE, FOLLOW THE LATEST AISC STEEL CONSTRUCTION MANUAL.
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.



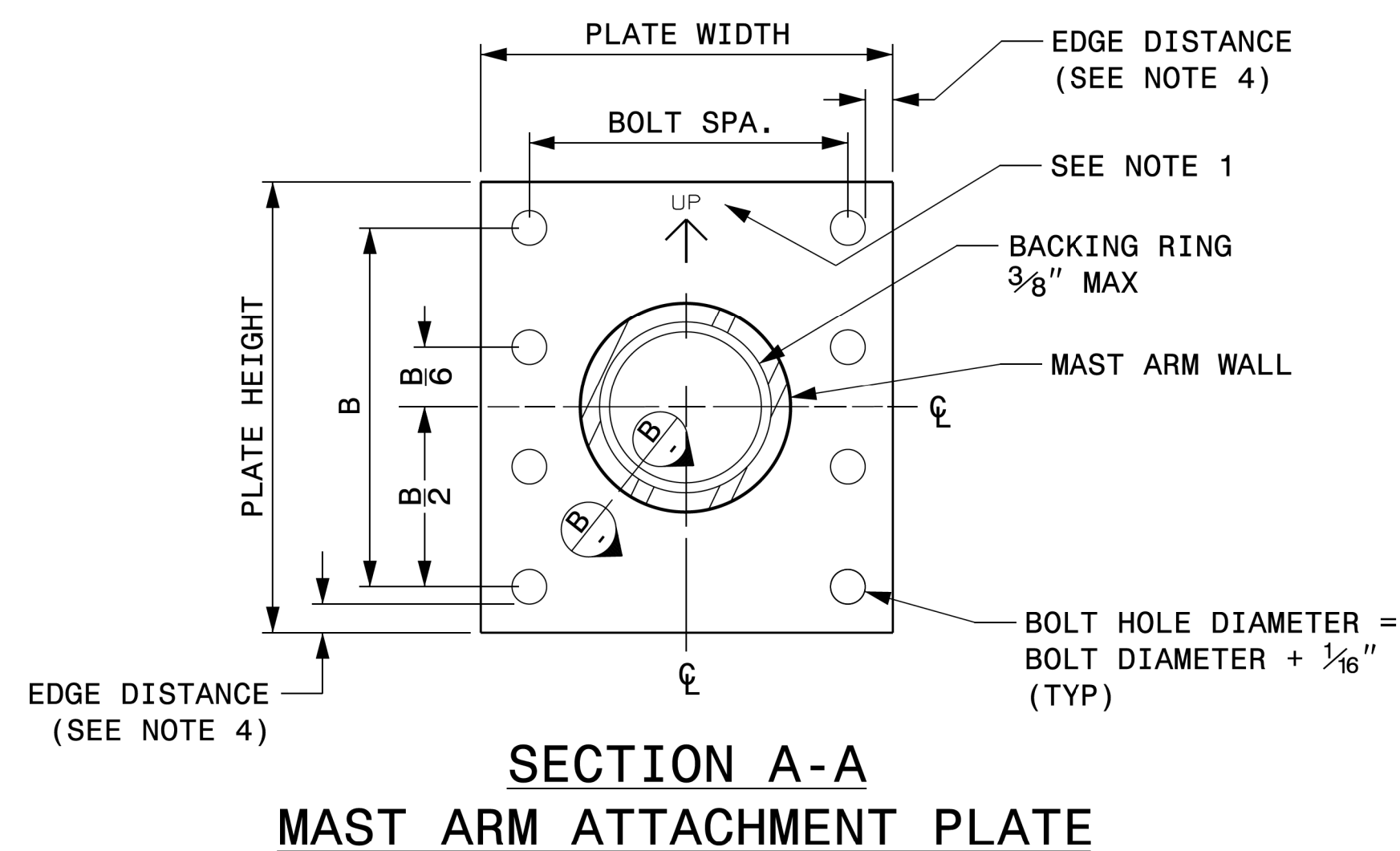
**FRONT ELEVATION VIEW**



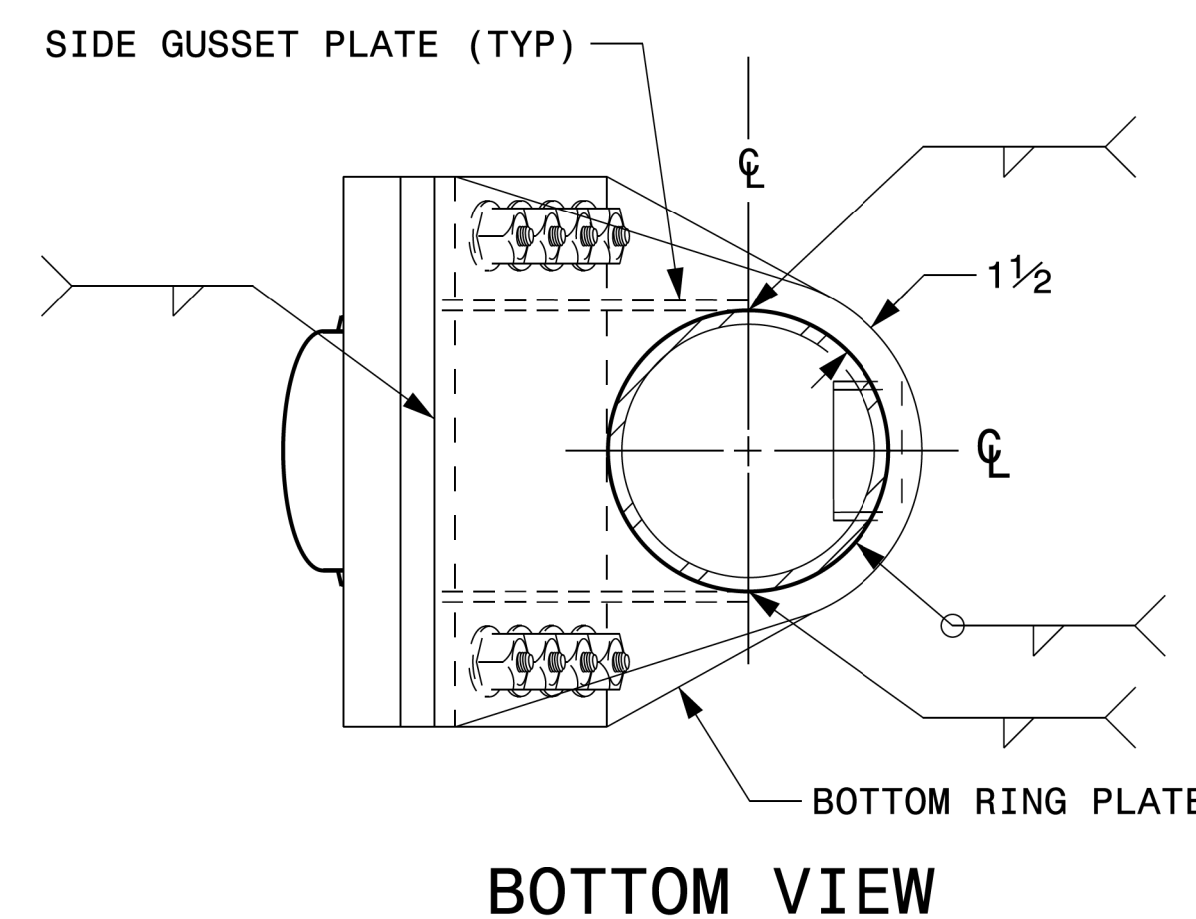
**SIDE ELEVATION VIEW**



**BACK ELEVATION VIEW**



**SECTION A-A**  
**MAST ARM ATTACHMENT PLATE**



**BOTTOM VIEW**

Prepared in the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

Typical Fabrication Details  
For  
Mast Arm Connection To Pole

PLAN DATE: SEPTEMBER 2023	DESIGNED BY: C.F. ANDREWS
PREPARED BY: K.C. DURIGON	REVIEWED BY: D.C. SARKAR
REVISIONS	INIT. DATE

SCALE: NA  
NONE

SEAL

DocuSigned by:  
**Kevin Durigon**  
SIGNATURE

09/21/2023  
DATE

21-SEP-2023 08:01 S:\ITS\AS\MTS Signal\Structures\Drawings\2024 Metal Pole Std Drawings for LRFD\2024 Sig.M5 Std. Connection Fabrication Details-Mast Arm Poles.dgn Kedar Igan

**Fabrication Details – Mast Arm Connection**