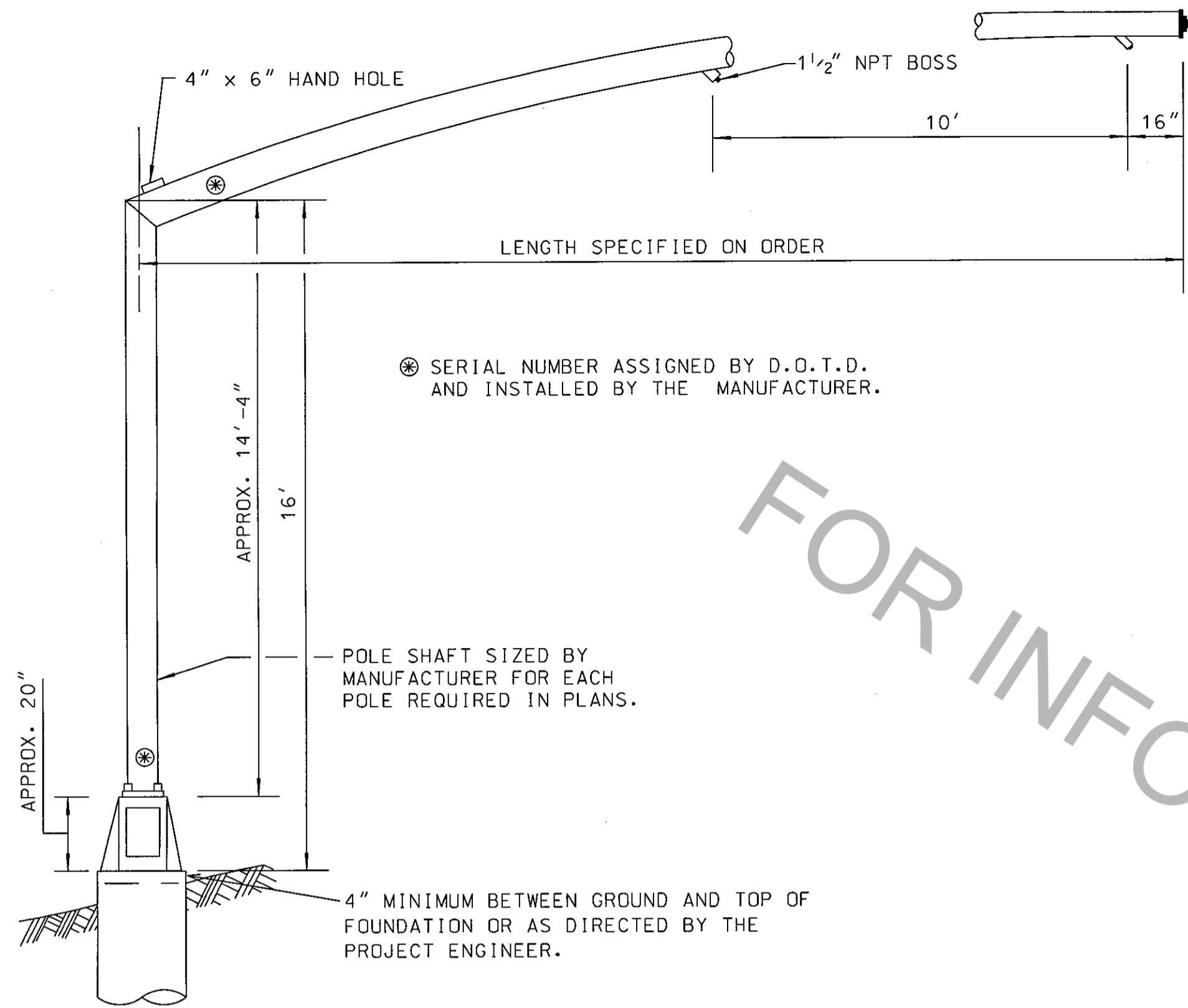
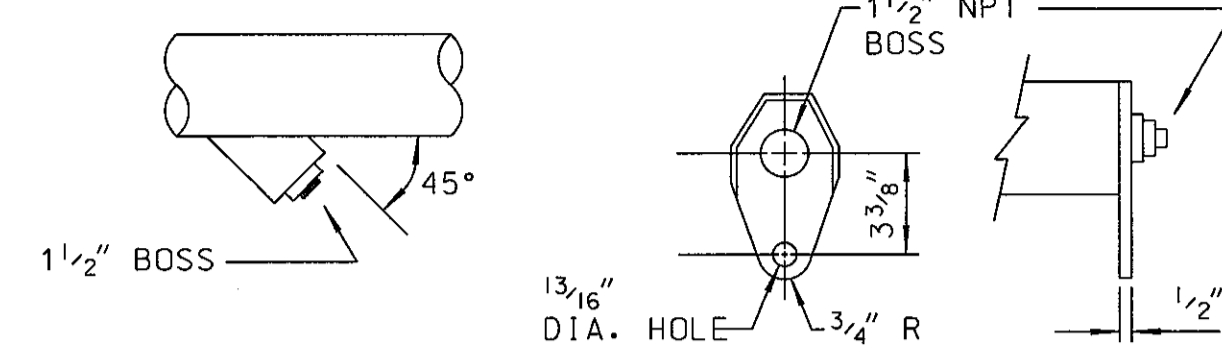


50' SINGLE, 45' X40' DUAL, AND UNDER MAST ARM, STEEL STRAIN POLE STANDARD

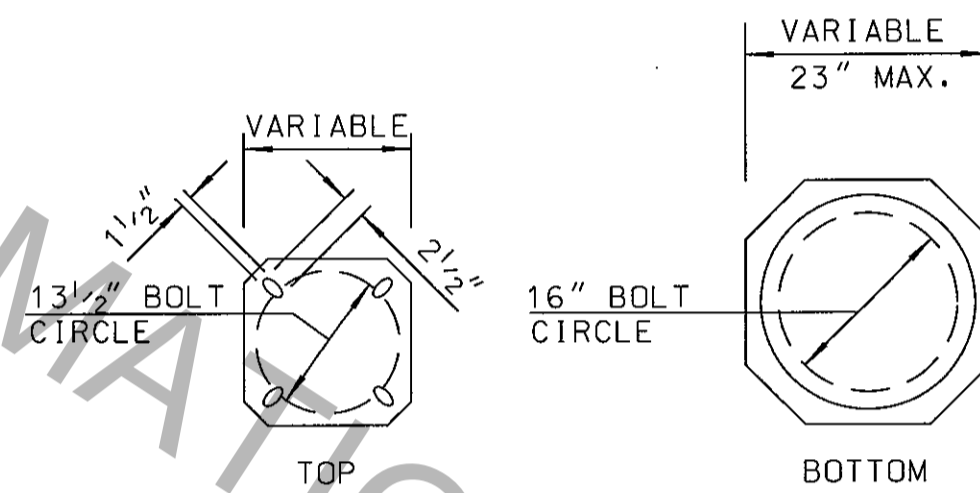


END OF ARM SHALL BE ELEVATED 5' ABOVE TOP OF SHAFT AND PROVIDE A 21' MINIMUM ELEVATION DIFFERENCE FROM THE BOTTOM OF TRANSFORMER BASE.

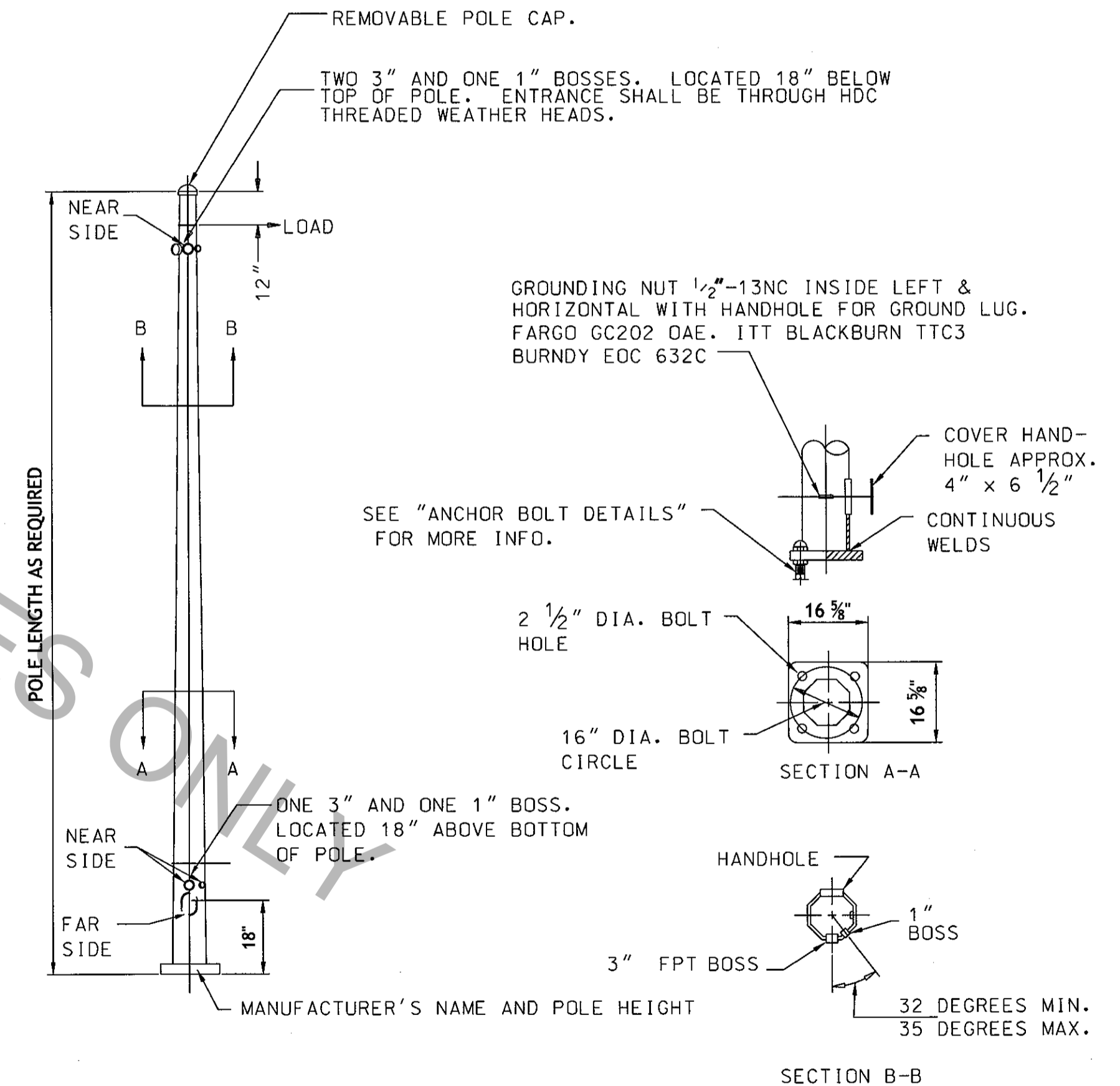
BOSS AND END PLATE DETAIL



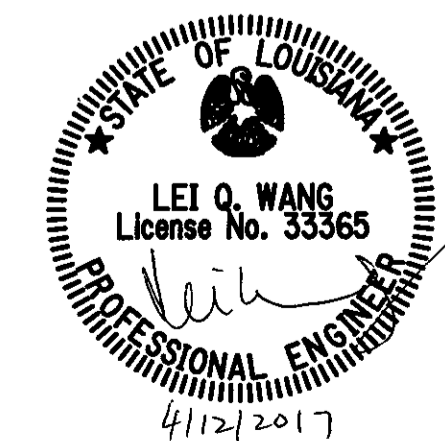
TRANSFORMER BASE DETAIL



STEEL STRAIN POLE

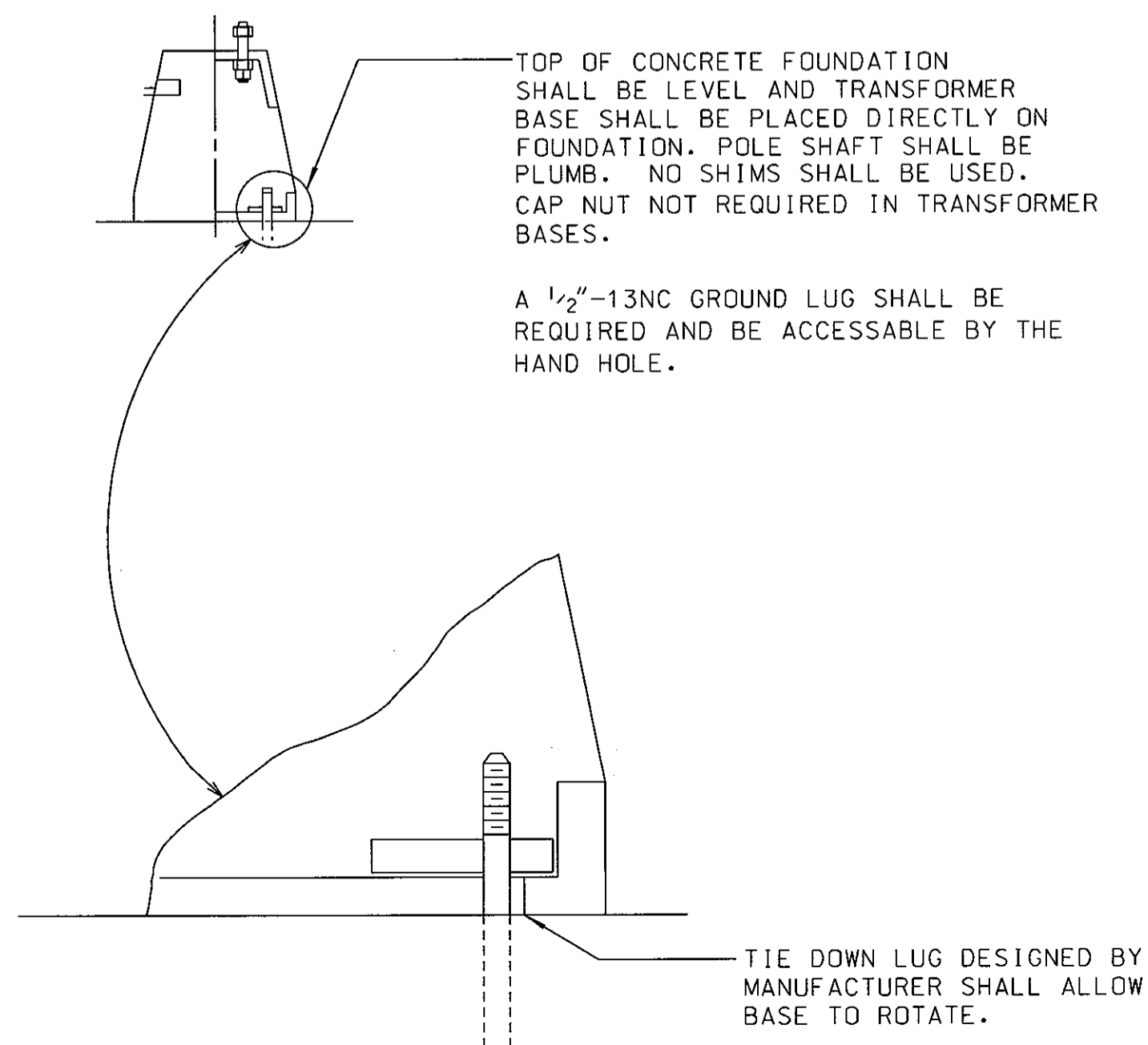


- NOTE:
1. STEEL POLE BASEPLATES SHALL HAVE A 16" DIAMETER BOLT CIRCLE.
 2. VENDORS SHALL BE AMERICAN INSTITUTE OF STEEL CONSTRUCTORS (AISC) CERTIFIED.

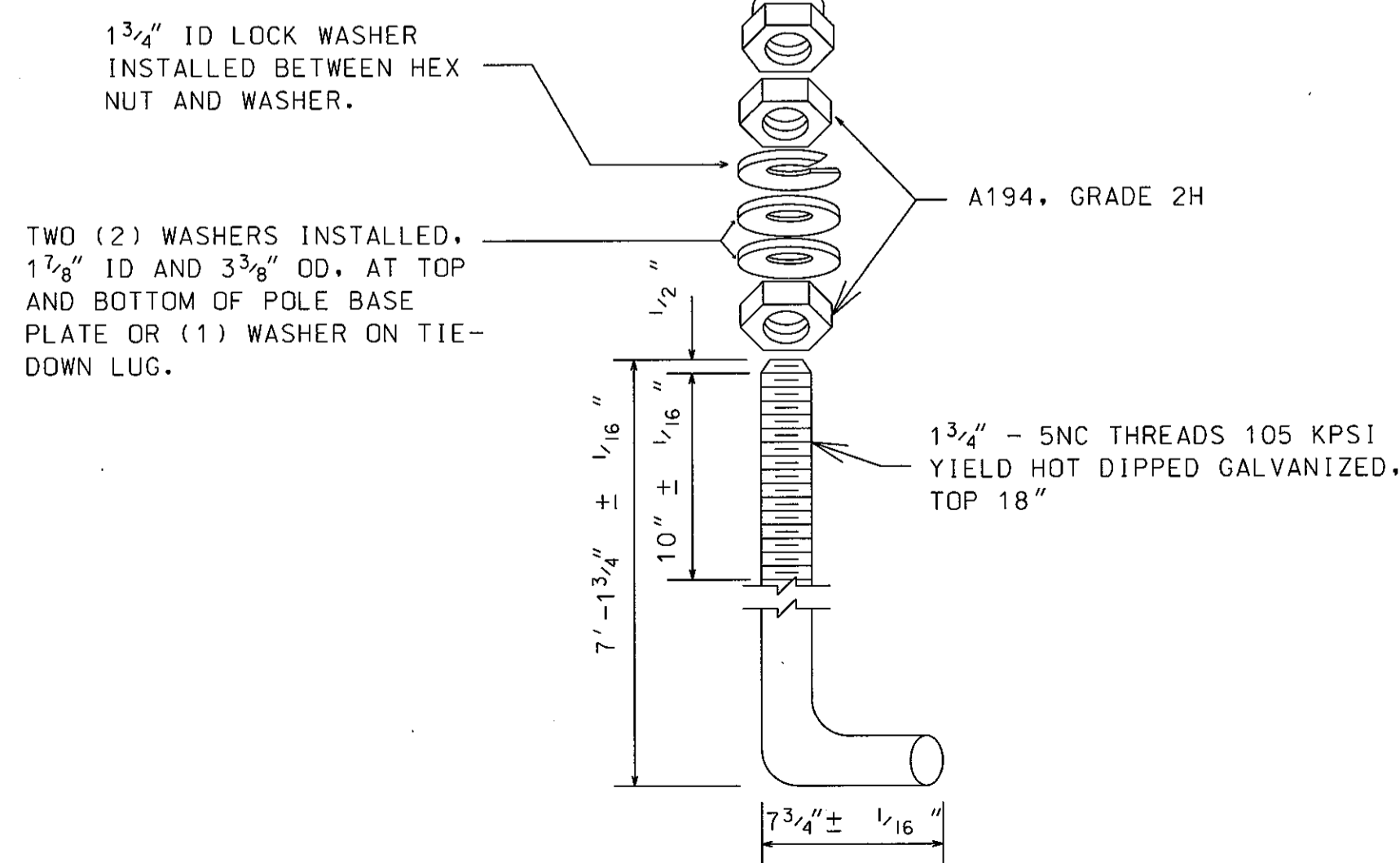


- NOTE:
1. ALL BOSSES SHALL BE PLUGGED WITH A 1 1/2" GALVANIZED STEEL CONDUIT PLUG WITH A SQUARE HEAD HDG. WHEN CABLE IS ROUTED THROUGH THE BOSS A RUBBER COMPRESSION BUSHING SHALL BE USED TO SEAL AND HOLD CABLE IN BOSS. CABLE SHALL BE SECURED TO MAST ARM FROM BOSS TO SIGNAL HEAD WITH 1/2" WIDE WEATHER RESISTANT TIE WRAPS.
 2. TEN (10) CONDUCTOR SIGNAL CABLE FROM CONTROLLER MAY BE SPLICED IN TRANSFORMER BASE TO TWO (2) - SIX (6) CONDUCTOR SIGNAL CABLES ROUTED TO TWO (2) - THREE (3) SECTION SIGNAL HEADS ON THE MAST ARM. NO OTHER SPLICING SHALL BE ALLOWED.
 3. ALL SPLICES SHALL BE MADE WITH AN ALL COPPER OPEN-ENDED COMPRESSION SPLICE CAP INSTALLED TO THE MANUFACTURER'S RECOMMENDED METHOD AND INSULATED. (WIRE NUTS SHALL NOT BE ALLOWED)

ROTATABLE BASE



ANCHOR BOLT DETAILS FOR STRAIN POLES AND MAST ARMS



| SHEET NUMBER | | PARISH | | FEDERAL PROJECT | | STATE PROJECT | |
|--|--------------|--------|-----|----------------------|-----|---------------|----|
| DESIGNED | BY | DATE | NO. | REVISION DESCRIPTION | NO. | DATE | BY |
| CHECKED | | | | | | | |
| DESIGNED | S. MCCARROLL | DATE | | | | | |
| CHECKED | D. LORIO | | | | | | |
| DESIGNED | S. MCCARROLL | DATE | | | | | |
| CHECKED | L. WANG | | | | | | |
| DATE | 04/12/2017 | | | | | | |
| SHEET | 3 OF 14 | | | | | | |
| TRAFFIC SIGNAL STANDARD DETAILS | | | | | | | |
| STRAIN POLE AND MAST ARMS 55' AND UNDER DETAIL | | | | | | | |
| TSD-02 | | | | | | | |
| TRAFFIC ENGINEERING | | | | | | | |