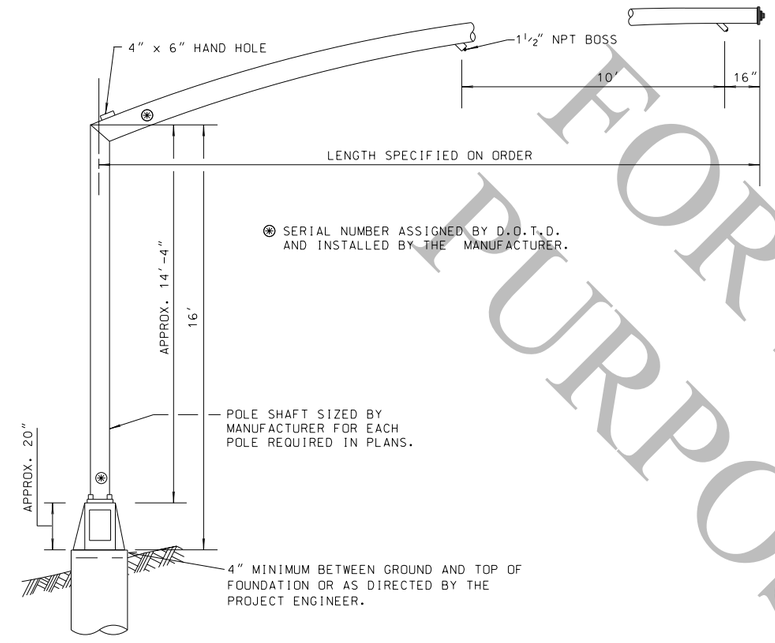
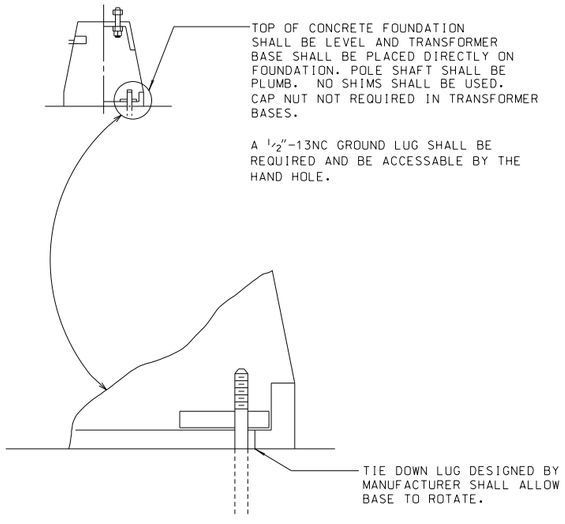
11:51
9/3/2025

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

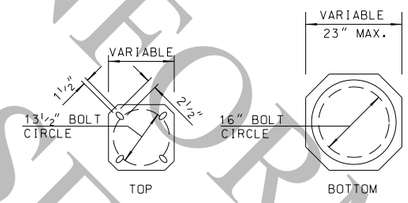


NOTE:
1. ALL BOSSES SHALL BE PLUGGED WITH A 1½" GALVANIZED STEEL CONDUIT PLUG WITH A SQUARE HEAD HDG. WHEN CABLE IS ROUTED THROUGH THE BOSS A RUBBER COMPRESSION BUSHING SHALL BE USED TO SEAL AND HOLD CABLE IN BOSS. CABLE SHALL BE SECURED TO MAST ARM FROM BOSS TO SIGNAL HEAD WITH ½" WIDE WEATHER RESISTANT 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 MANUFACTURES RECOMMENDED METHOD AND INSULATED. (WIRE NUTS SHALL NOT BE ALLOWED)

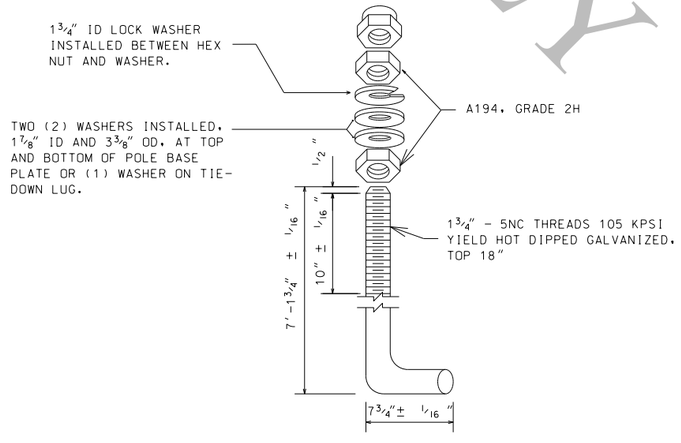
ROTATABLE BASE



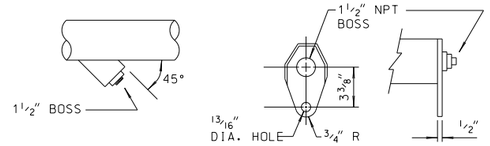
TRANSFORMER BASE DETAIL



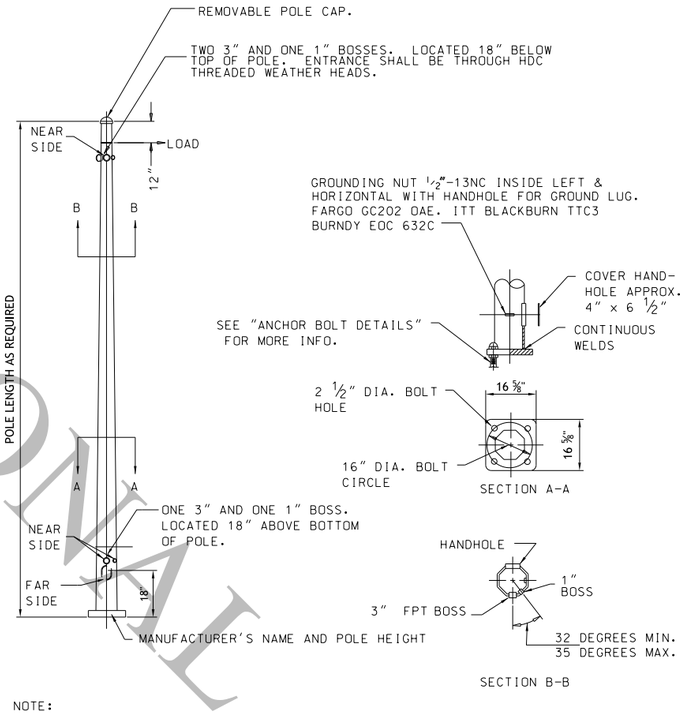
ANCHOR BOLT DETAILS FOR STRAIN POLES AND MAST ARMS



BOSS AND END PLATE 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.

SHEET NUMBER

PARISH	CONTROL SECTION	STATE PROJECT

DESIGN	S. MCCARROLL	DETAIL	S. MCCARROLL
CHECK	D. LORIO	CHECK	L. WANG
		REVIEW	SERIES # 3 OF 14

APPROVED BY CHIEF ENGINEER: DATE: Oct. 1, 2025

NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY

STATE OF LOUISIANA

TRAFFIC SIGNAL DETAILS

STRAIN POLE AND MAST ARMS 55' & UNDER

TSD-02

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

STANDARD PLAN