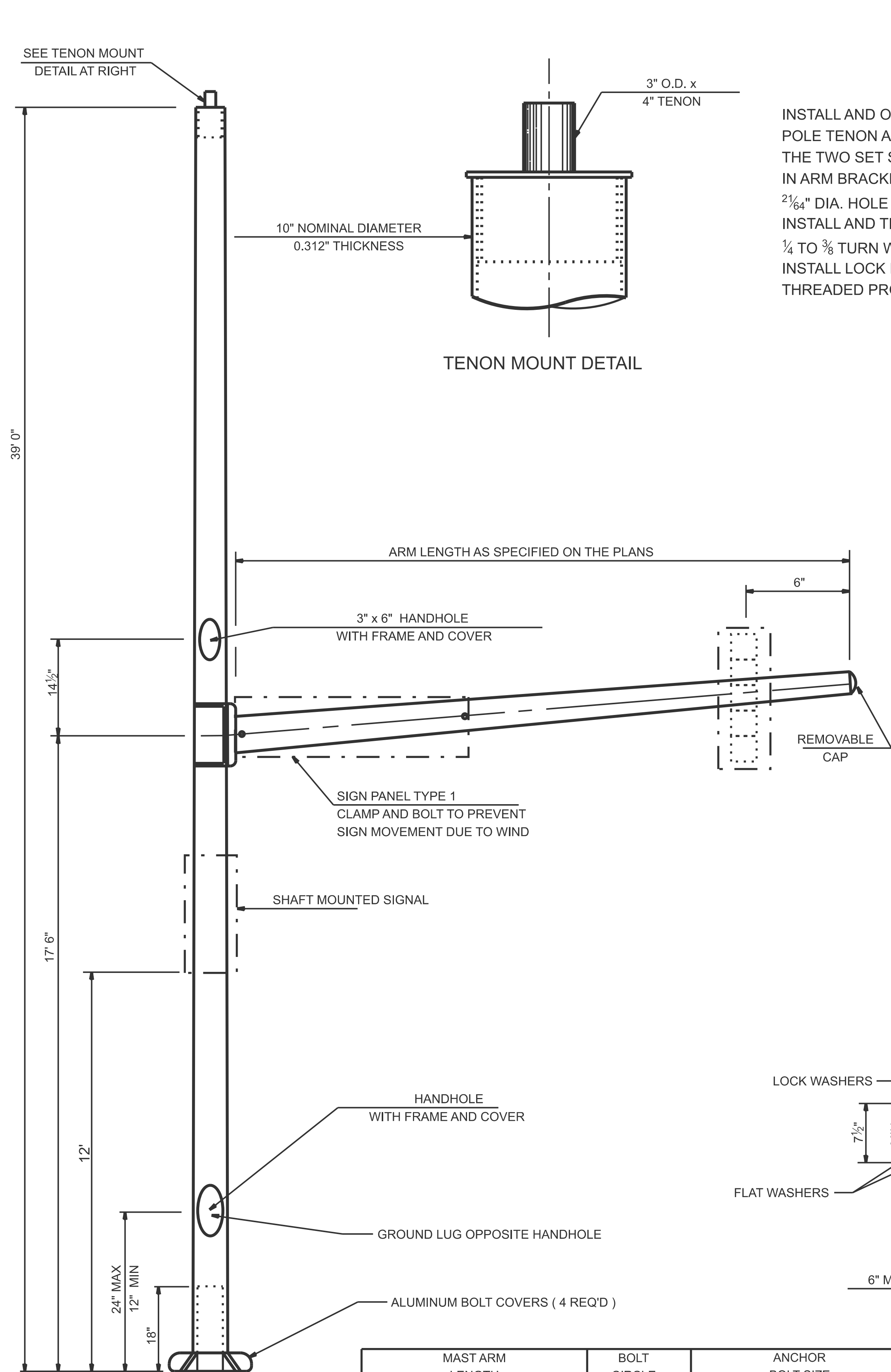
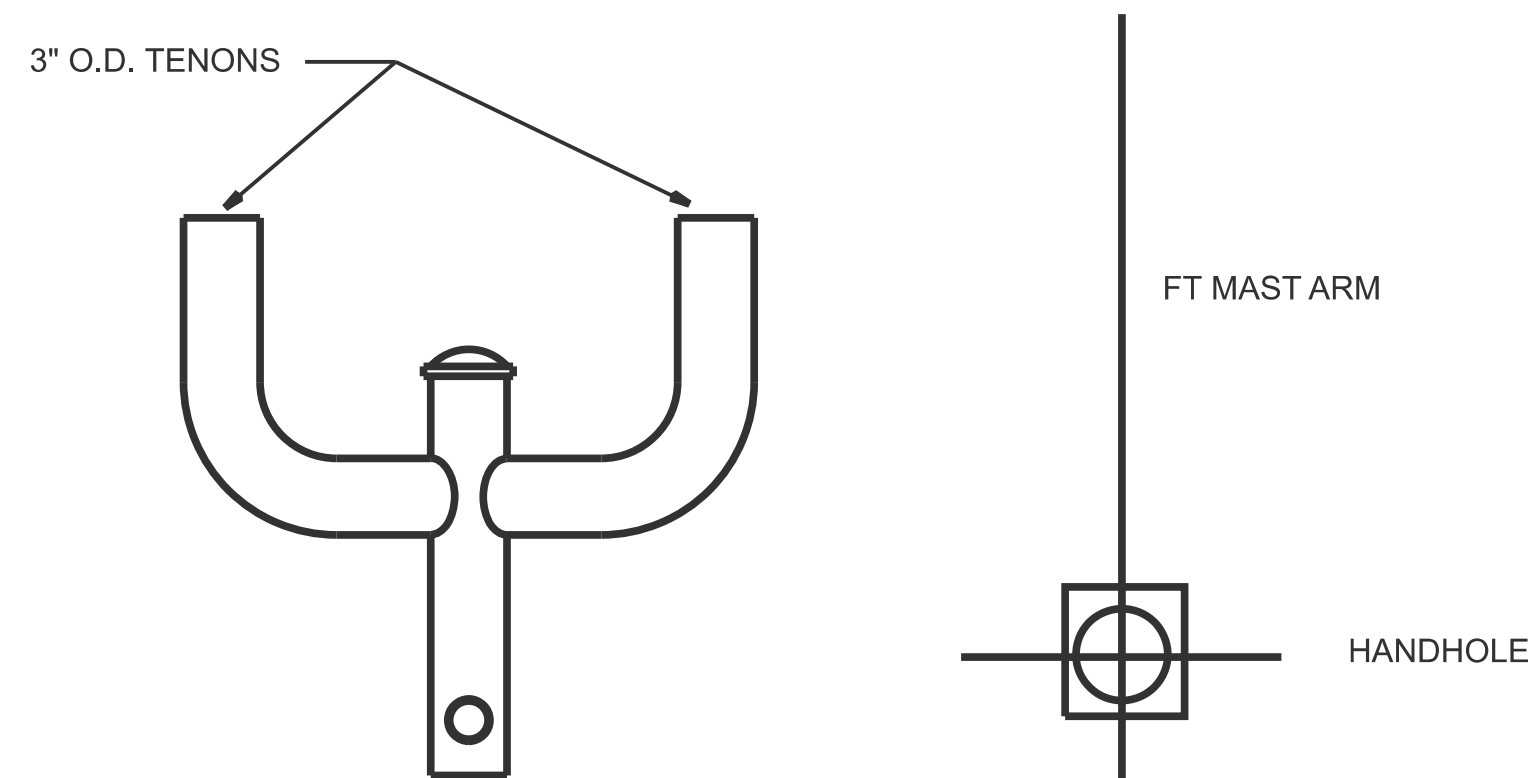




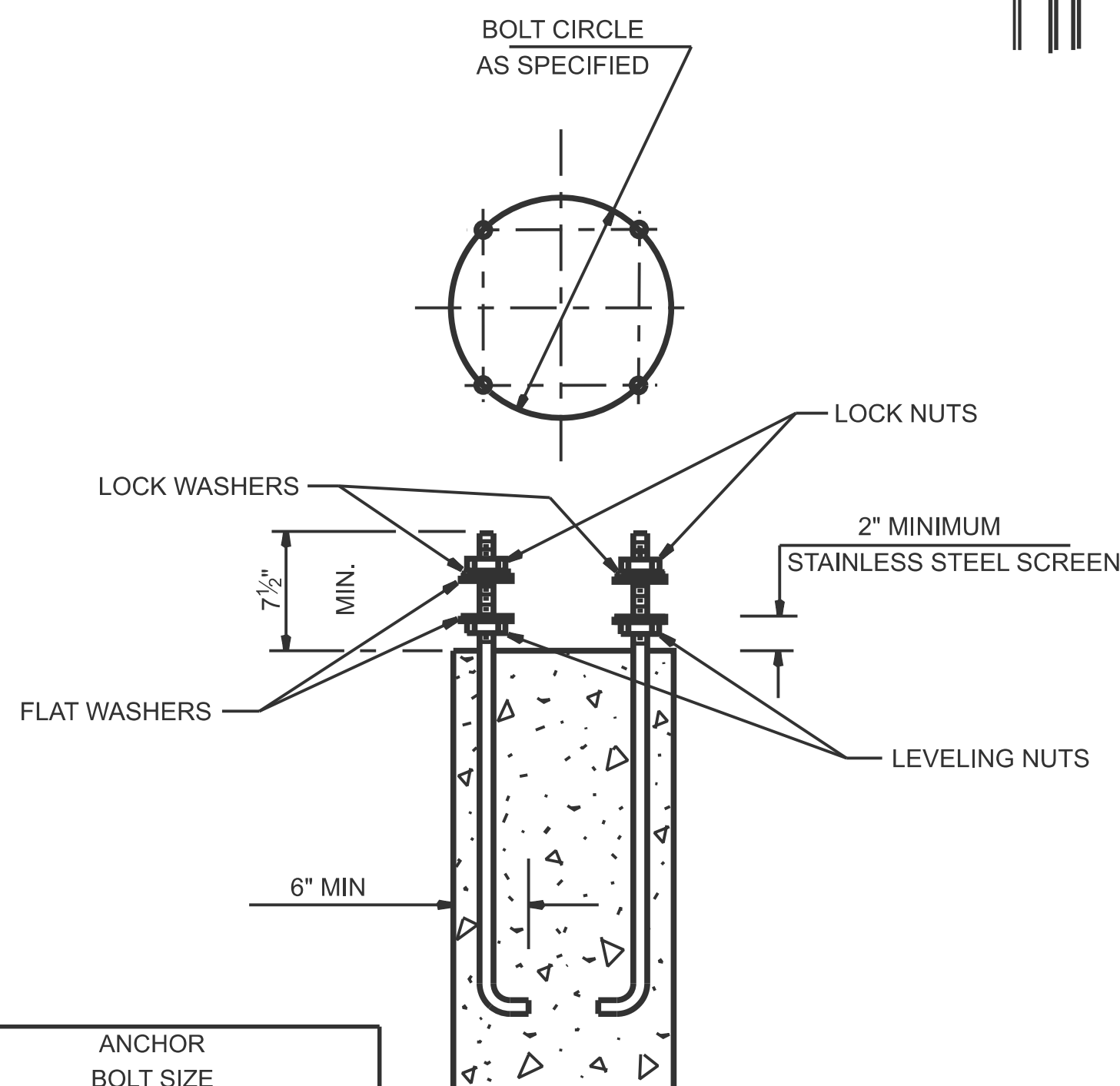
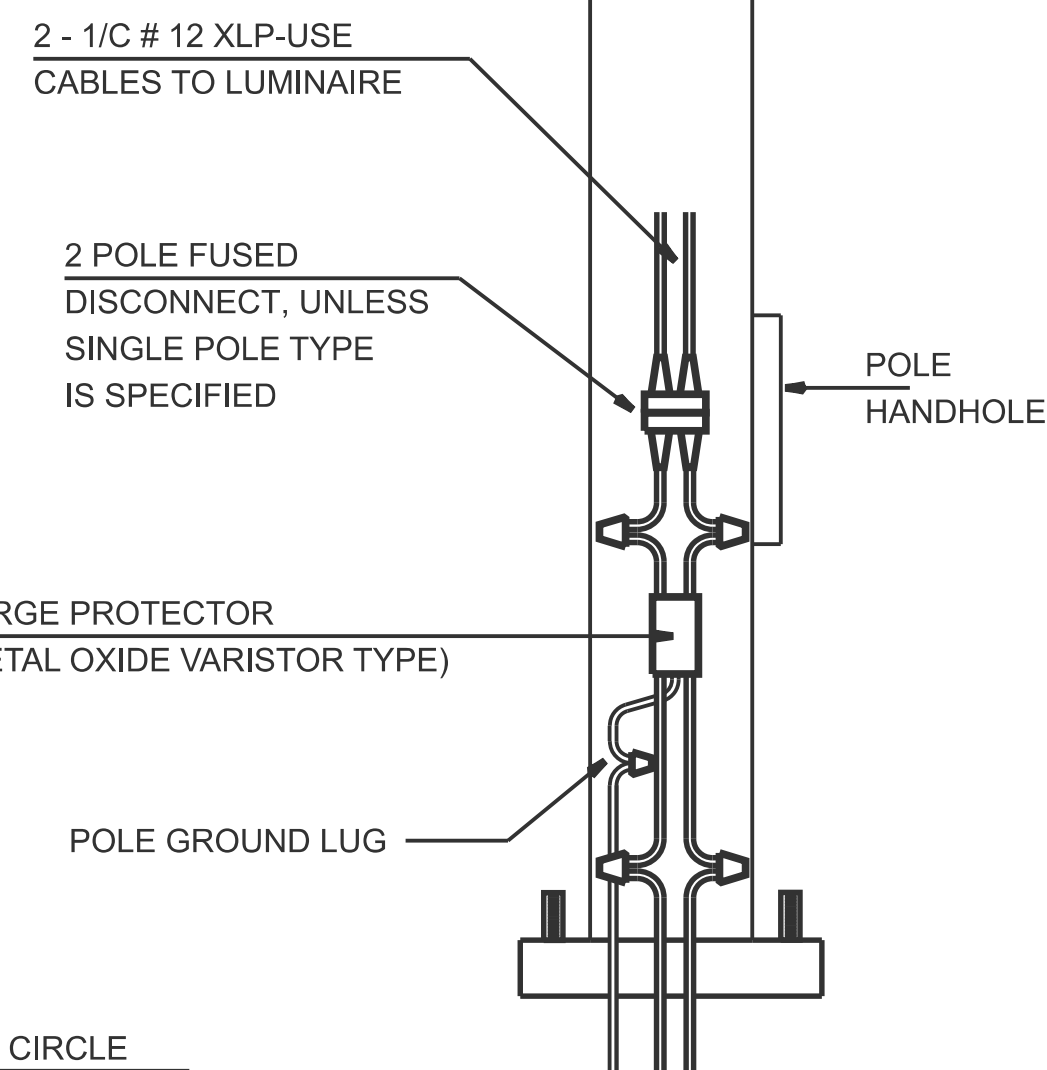
INSTALL AND ORIENT ARM BRACKET OVER
POLE TENON AND FIRMLY HAND TIGHTEN
THE TWO SET SCREWS. USE THIRD HOLE
IN ARM BRACKET AS A GUIDE TO DRILL A
 $2\frac{1}{64}$ " DIA. HOLE THROUGH TENON.
INSTALL AND TIGHTEN SET SCREWS AN ADDITIONAL
 $\frac{1}{4}$ TO $\frac{3}{8}$ TURN WITH HEX KEY (NOT INCLUDED).
INSTALL LOCK NUTS ON SET SCREWS IF
THREADED PROJECTION ALLOWS.

TENON MOUNT DETAIL



TWIN TENON

ORIENTATION OF ARM



GENERAL NOTES

- The combination mast arm assembly and pole shall be constructed with one piece mast arms and pole or other equivalent sectional design.
- The standard shall be designed to support one 80 lbs signal head with a projected area of 14.7 square feet at the free end of the mast arm, one 50 lbs signal head with a projected area of 8.7 square feet mounted 12 feet inward on the mast arm, one 125 lbs signal head with a projected area of 7.6 square feet mounted 12 feet high on the shaft, one 55 lbs luminaire with a projected area of 3 square feet, and a sign panel 2'-6" by 6'-0" mounted as shown on Standard 2380 or the loadings shown on the plans, whichever is greater. The design shall be in accordance with the requirements of the current "Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals" as published by the American Association of State Highway and Transportation Officials for 80 mph wind velocity.
- The contractor shall submit detailed drawings showing design materials, thickness of sections, weld sizes, and anchor bolts to the Engineer for approval prior to fabrication. These drawings shall be at least 17 inches by 22 inches in size and of adequate quality for microfilming.
- The type of signal head mounting bracket to be used shall be approved by the Engineer.
- The signal head (including backplate when used) shall be not less than 16' or more than 18' above the crown of the pavement.
- The manufacturer will be allowed to slot the base plate in which other bolt circles may fit providing that these slots do not offset the integrity of the pole.
- Combination mast arm assemblies and poles shall not be installed without the luminaire.
- The anchor bolts shall conform to the requirements of Article 706.09 of the Standard Specifications for Road and Bridge Construction.
- Luminaire shall comply with Section 962 of the Standard Specifications for Road and Bridge Construction. It includes luminaire, lamp and surge protector.
- Cable for luminaire shall conform to Section 952 and 785.03 of the Standard Specifications for Road and Bridge Construction. It includes cable and fused quick disconnect.
- Luminaire mast arms shall comply with Article 785.10 of the Standard Specifications for Road and Bridge Construction and may be either "clamp on" type or davit type.
- Fused disconnect or circuit breaker shall conform to Article 785.05 of the Standard Specifications for Road and Bridge Construction.
- Cable shall be installed in traffic signal conduit unless otherwise noted.

DETAILS OF ALUMINUM COMBINATION MAST ARM ASSEMBLY AND POLE