

## **KEY**

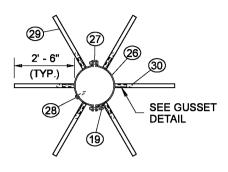
- (1) GALVANIZED STEEL OR ALUMINUM MAST ARM ~ CONFIGURATIONS VARY WITH MANUFACTURER
- 2 LUMINAIRE ~ SEE CONTRACT FOR TYPE AND NUMBER
- (3) MOUNTING HEIGHT ~ ROADWAY TO LUMINAIRE ELEVATION DIFFERENCE ± 2% ~ SEE CONTRACT
- (4) MAST ARM LENGTH ~ SEE CONTRACT
- (5) 5/8" (IN) GALVANIZED THIMBLE EYE BOLT (SINGLE OR DOUBLE) WITH WASHERS AND NUTS OR EYENUT
- (6) BONDING JUMPER
- (7) POLE AND BRACKET CABLE
- (8) EQUIPMENT GROUNDING CONDUCTOR ~ SEE STANDARD PLAN J-60.05
- (9) FROM GROUND LINE TO 10' (FT) ABOVE GROUND, ENCLOSE EQUIPMENT GROUNDING CONDUCTOR IN GALVANIZED STEEL CONDUIT, CODE SIZED ~ ABOVE 10' (FT) FROM GROUND, STAPLE EQUIPMENT GROUNDING CONDUCTOR TO POLE ~ CONNNECT TO SUPPLEMENTAL GROUND, PER STANDARD PLAN J-60.05
- (10) SERVICE WEDGE CLAMP
- (1) ACSR TRIPLEX OR FOURPLEX CONDUCTORS ~ SEE CONTRACT
- (12) CU \ AL SPLIT BOLT CONNECTOR
- (13) MESSENGER CABLE
- (14) INSULATING TAPE FOR WATERPROOF CONNECTION
- (15) FUSED QUICK DISCONNECT, PER STANDARD SPECIFICATION 9-29.7(2) ~ USE 30 AMP FUSES FOR HIGH MAST SUPPORTS
- (16) WEATHERHEAD ~ SIZE AS REQUIRED

SHOWN FOR 480 VAC POWER FEED ~ INCREASE CONDUCTOR AND FUSE SIZE AS REQUIRED FOR 240 VAC POWER FEED

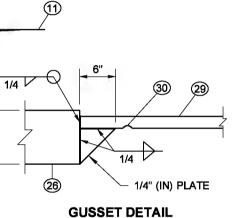
- (17) STEEL CONDUIT ~ STRAPS SPACED MAXIMUM 5' (FT) APART AND NEAR ALL CONDUIT ENDS
- (18) 8" (IN) × 8" (IN) × 4" (IN) NEMA 3R JUNCTION BOX WITH RAIN-TIGHT HUBS AND REMOVABLE COVER
- (19) GROUNDING LUG
- (20) 12-POLE TERMINAL BLOCK
- (21) DIRECT BURIAL CONDUCTORS OR GALVANIZED STEEL OR PVC CONDUITS WITH CONDUCTORS ~ SEE CONTRACT (22) GROUNDING END BUSHING
- (23) SUPPLEMENTAL GROUND ~ SEE STANDARD PLAN J-60.05
- (24) CLASS 5 TIMBER POLE ~ LENGTH SUFFICIENT FOR MOUNTING HEIGHT AND BURIAL DEPTH
- (25) CLASS 2 TIMBER POLE ~ LENGTH SUFFICIENT FOR MOUNTING HEIGHT AND BURIAL DEPTH
- (26) 1/4" (IN) × 10" (IN) PLATE COLLAR BENT TO FIT POLE DIAMETER (8" (IN) 10"(IN))
- 27 3/8" (IN) × 4" (IN) MACHINE BOLTS (FOUR REQUIRED) WITH WASHERS AND NUTS
- (28) 1/2" (IN) LAG BOLTS (SIX REQUIRED) ~ DRILL 9/16" (IN) HOLE IN PLATE
- (29) 2" (IN) PIPE
- (30) 3/4" (IN) WIRE HOLE 2" (IN) FROM GUSSET PLATE, SMOOTH HOLE EDGES
- (3) 1" (IN) NON-METALLIC CONDUIT WITH 1" (IN) STRAPS SPACED MAXIMUM 5' (FT) APART AND NEAR ALL CONDUIT ENDS
- (32) DISTANCE VARIES, 35' (FT) MIN. TO 50' (FT) MAX. DEPENDING ON LINE CLEARANCE REQUIREMENTS
- 33 CONDUIT GROUND CLAMP

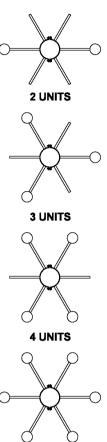
## NOTES

- 1. Timber luminaire supports are allowed only for temporary installations where breakaway or Slip Bases are not required.
- 2. When down guys are required, see Standard Plan J-15.15.



PLAN VIEW LUMINAIRE SUPPORT BRACKET





6 UNITS

PLAN VIEW TYPICAL LUMINAIRE MOUNTING CONFIGURATIONS



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## **TIMBER LIGHT STANDARD**

STANDARD PLAN J-15.10-01

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

STATE DESIGN ENGINEER T irtment of Transportation