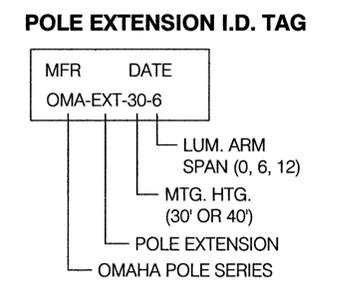
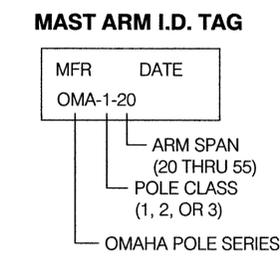
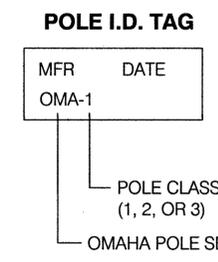
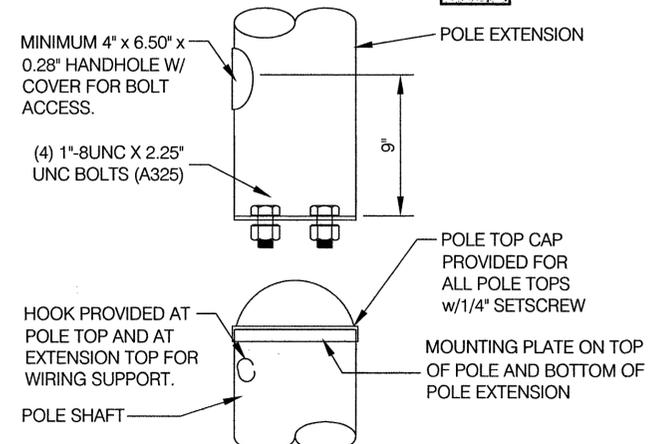
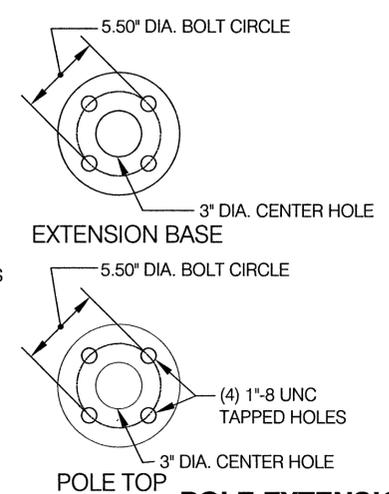
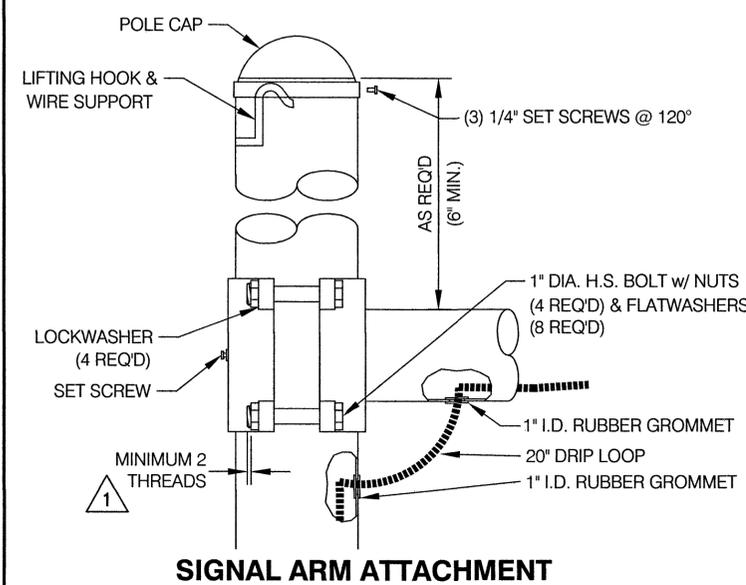


MAST ARM POLE LOADING CHART			
DEVICE	DESCRIPTION	PROJECTING AREA (SQ. FT.)	WEIGHT (LBS.)
A	12" - 5 SEC. SIGNAL WITH BACKPLATES	13.70	116
B	30" x 36" SIGNAL ARM MOUNTED SIGN	7.50	7
C	12" - 3 SEC. SIGNAL WITH BACKPLATES	8.70	60
D	18" x 84" STREET NAME SIGN	10.50	19
E	12" - 3 SEC SIGNAL WITH NO BACKPLATES	4.00	45
F	12" PEDESTRIAN SIGNAL	2.00	25
G	LUMINAIRE ARM	3.3	60

**NOTES**

- TRAFFIC SIGNAL MAST ARMS AND POLE SHAFTS SHALL BE SUPPLIED WITH 1" I.D. RUBBER GROMMETS FOR CABLE INLETS. SIGNAL MAST ARMS SHALL ALSO BE SUPPLIED WITH 1" RUBBER GROMMETS FOR THE NUMBER OF SIGNALS SPECIFIED. ALL INLET HOLES SHALL BE DRILLED IN THE FIELD BY THE CONTRACTOR.
- POLE CAPS SHALL BE PROVIDED WITH EACH POLE SHAFT AND SIGNAL MAST ARM.
- TRANSFORMER BASES SHALL BE PROVIDED WITH EACH POLE SHAFT FOR MAST ARM LENGTHS OF 60' OR LESS. THE TRANSFORMER BASE SHALL HAVE A HAND HOLE WITH A MINIMUM OPENING OF 8" x 13" AND SHALL BE REINFORCED TO MAINTAIN THE FULL STRENGTH OF THE TRANSFORMER BASE.
- SIGNAL MAST ARMS SHALL HAVE A MAXIMUM RISE OF 5" UNLOADED AND A MINIMUM RISE OF 0" AT THE END OF THE MAST ARM WHEN FULLY LOADED.
- EACH POLE SHAFT AND SIGNAL ARM SHALL BE FURNISHED WITH ALL MISCELLANEOUS HARDWARE NECESSARY TO COMPLETE ASSEMBLY.
- ALL MISCELLANEOUS HARDWARE SHALL BE GALVANIZED TO COMPLY WITH ASTM A153 (EXCEPT THREADED FASTNERS UNDER 3/8 INCH DIAMETER).
- THE POLE SHAFT AND SIGNAL ARM SHALL BE GALVANIZED TO COMPLY WITH ASTM A123. ONLY SINGLE PIECE SIGNAL ARMS ARE ACCEPTABLE FOR ARM LENGTHS LESS THAN 54'.
- A GROUNDING NUT FOR ACCOMMODATION OF NO. 6 AWG BASE COPPER WIRE SHALL BE PROVIDED ON THE INSIDE OF THE TRANSFORMER BASE.
- TRAFFIC SIGNAL POLES SHALL BE DESIGNED TO THE 1994 AASHTO "SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS".
- A MINIMUM 6" GAP SHALL BE LEFT BETWEEN THE EDGE OF THE SIGN AND THE BACKPLATE ON MAST ARM MOUNTED SIGNS.
- MAST ARM POLES SHALL BE DESIGNED ACCORDING TO THE MAXIMUM LOADING CHART SHOWN ON THIS STANDARD PLATE.
- ALL COMBINATION MAST ARM POLES SHALL HAVE SERVICE CONDUCTORS PROVIDED IN THE POLE SHAFT AND LUMINAIRE ARM. THE CONTRACTOR SHALL COMPLETE THE INSTALLATION OF THE LUMINAIRES CIRCUIT TO THE DISCONNECT PEDESTAL. FINAL LUMINAIRE TURN ON SHALL BE MADE BY O.P.P.D.

△ THESE SIGNS CANNOT BE USED ON 60' LONG ARMS



NOTE: TAG LOCATED 6" FROM BASE OF POLE.

NOTE: TAG LOCATED ON BOTTOM SIDE OF ARM

NOTE: TAG LOCATED 6" FROM EXT. BASE, AND 180° FROM HANDHOLD

**IDENTIFICATION TAGS**

**POLE EXTENSION FOR 19'-0" POLES**

1 6/02/2015  
 MORNY KOST  
 TRAFFIC ENGINEER  
 MOSEL  
 CITY ENGINEER

CITY OF OMAHA PUBLIC WORKS DEPARTMENT

**MAST ARM POLES**

**STANDARD PLATE 900-20**

ISSUE DATE: ..... DECEMBER 10, 2013

SHEET 1/1