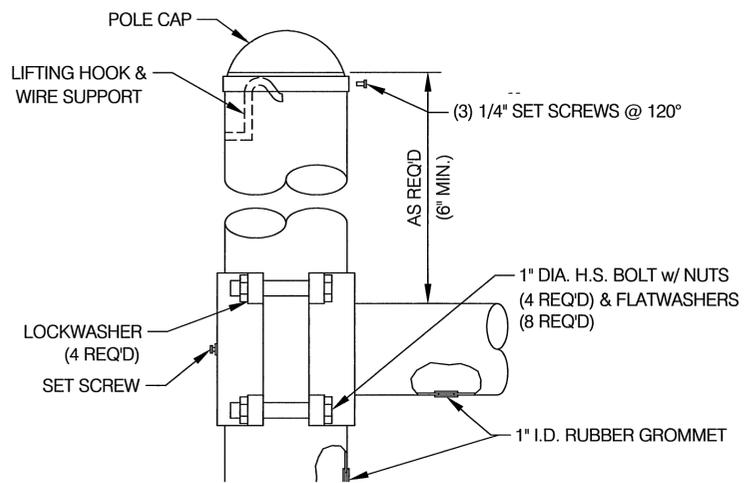


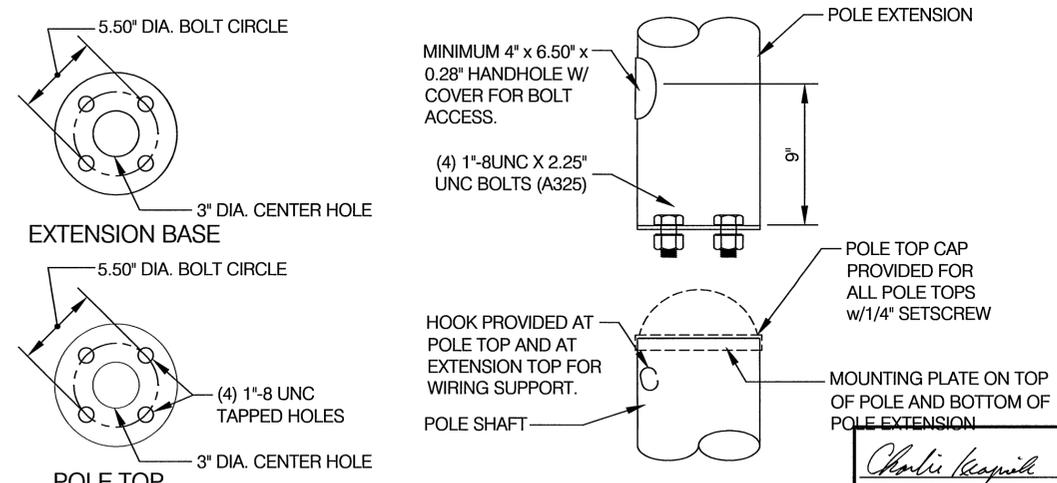
MAST ARM POLE LOADING CHART			
DEVICE	DESCRIPTION	PROJECTING AREA (SQ. FT.)	WEIGHT (LBS.)
A	12" - 5 SEC. SIGNAL WITH BACKPLATES	13.70	116
B	30" x 36" SIGNAL ARM MOUNTED SIGN	7.50	7
C	12" - 3 SEC. SIGNAL WITH BACKPLATES	8.70	60
D	18" x 84" STREET NAME SIGN	10.50	19
E	12" - 3 SEC SIGNAL WITH NO BACKPLATES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

**GENERAL 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-153 (EXCEPT THREADED FASTNERS UNDER 3/8 INCH DIAMETER).
- THE POLE SHAFT AND SIGNAL ARM SHALL BE GALVANIZED TO COMPLY WITH ASTM-123. 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 CURRENT AASHTO STANDARDS WITH 80MPH ISOTACH.
- 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.

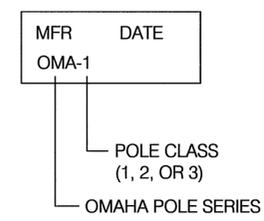


**SIGNAL ARM ATTACHMENT**



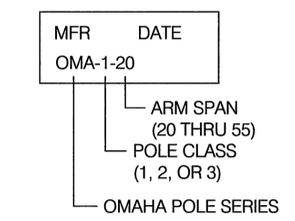
**POLE EXTENSION FOR 19'-0" POLES**

**POLE I.D. TAG**



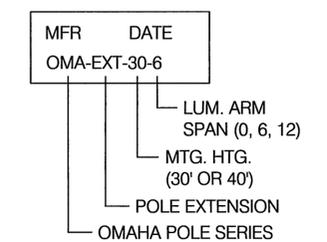
NOTE: TAG LOCATED 6" FROM BASE OF POLE.

**MAST ARM I.D. TAG**



NOTE: TAG LOCATED ON BOTTOM SIDE OF ARM

**POLE EXTENSION I.D. TAG**



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

**IDENTIFICATION TAGS**