

8' MOUNTING BRACKET

I. Quantity

The base bid shall include the indicated number of 8' mounting brackets, furnished and installed as hereinafter specified.

II. Material

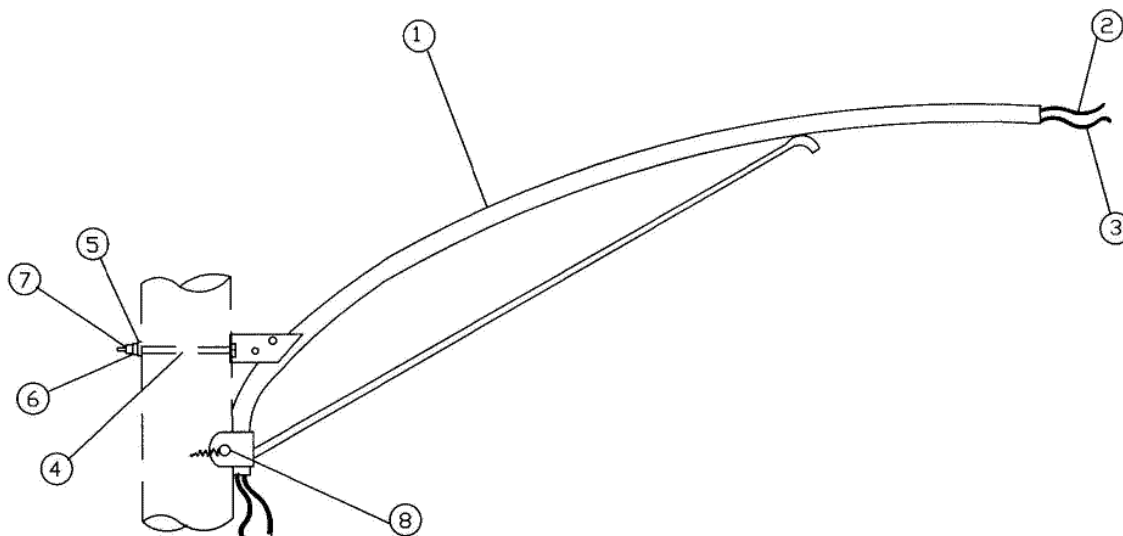
- a. 8 Ft. Aluminum Mounting Bracket - The aluminum bracket shall be under braced style fabricated from 2" aluminum pipe. It shall have a 30" rise and be suited for use with a luminaire weighing up to 67 lbs. having a projected area of 1.2 square feet. The 8 foot aluminum bracket shall be HAPCO, Catalogue No. 82-004 or approved equal.
- b. Wire - The wire shall be #10 AWG 7 strand copper, 600 V type THW or THWN, one or two conductor at option of contractor.
- c. Compression connectors - The compression connectors shall be Burndy #YPC2A8U, or approved equal.
- d. Miscellaneous Hardware - All hardware shall be as shown on DOE Module Dwg. MLBAUB8.

III. Installation

- a. The installation shall be as shown on drawing 01S0053, located as shown on the drawings and indicated in the field by the engineer.
- b. Mounting height - The height to light center shall be 28' unless otherwise specified on the drawing or indicated in the field by the engineer.
- c. Any relocation of existing facilities required for proper clearances shall be obtained by the contractor and included in the unit price bid for this item.
- d. This item shall include the furnishing and installing of the bracket arm, the wiring internal to the arm and the connection of the wiring to the circuit and luminaire. The luminaire and circuit shall be provided and quoted on as separate items and are not included in this specification.

IV. Quotation

The 8' mounting bracket as hereinbefore specified shall be quoted on as a unit price each in the appropriate place in this document.



SCHEDULE

ITEM NO.	SUFFIX NO.	DESCRIPTION	PART NO.	CONDUCTOR REQ.
1	6	6'LX28' RISE	60-17162	10 FT
1	8	8'LX30' RISE	60-17182	12 FT

10				
9		CONNECTOR, COMPRESSION (NOT SHOWN-SIZE AS REQUIRED)		95-17210 2
8		SCREW, LAG 1/2" X 4"		02-50340 2
7		NUT, SQUARE 5/8"-11 UNC (INCLUDED WITH MACHINE BOLT)		XX-XXXXX 1
6		WASHER, LOCK 11/16" DIA. HOLE, DOUBLE COIL		02-76524 1
5		WASHER, SQ. CURVED 2 1/4" X 2 1/4" X 3/16", 11/16" DIA. HOLE		02-76730 1
4		BOLT, MACHINE 5/8" X LENGTH AS REQUIRED.		95-01414 1
3		CONDUCTOR, #10 CU. WHITE		14-10118 SEE SCH.
2		CONDUCTOR, #10 CU. BLACK		14-10112 SEE SCH.
1		BRACKET, ALUMINUM, UNDERBRACED, 2' PIPE SIZE LENGTH AS REQUIRED		SEE SCH. 1

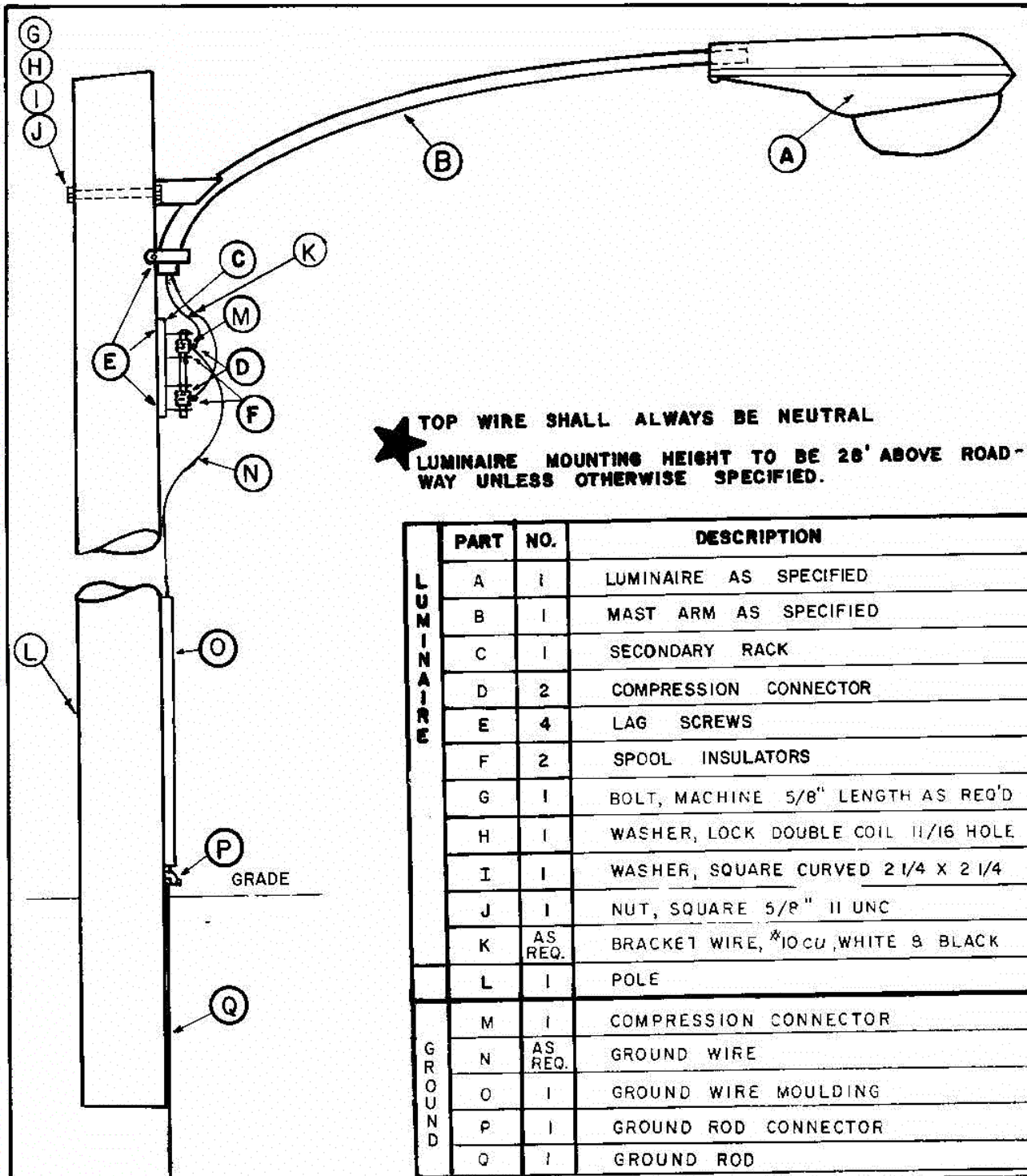
ITEM	DESCRIPTION	PART#	#REQ
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MODULE LIGHT, BRACKET, ALUMINUM,
UNDERBRACE

MEL & P

MUNICIPAL ELECTRIC LIGHT & POWER SYSTEM
CITY OF COLUMBUS, OHIO
DEPT. OF PUBLIC UTILITIES DIV. OF ELECTRICITY

MLBAUB 8



★ TOP WIRE SHALL ALWAYS BE NEUTRAL
 LUMINAIRE MOUNTING HEIGHT TO BE 28' ABOVE ROADWAY UNLESS OTHERWISE SPECIFIED.

	PART NO.	DESCRIPTION
LUMINAIRE	A	1 LUMINAIRE AS SPECIFIED
	B	1 MAST ARM AS SPECIFIED
	C	1 SECONDARY RACK
	D	2 COMPRESSION CONNECTOR
	E	4 LAG SCREWS
	F	2 SPOOL INSULATORS
	G	1 BOLT, MACHINE 5/8" LENGTH AS REQ'D
	H	1 WASHER, LOCK DOUBLE COIL 11/16 HOLE
	I	1 WASHER, SQUARE CURVED 2 1/4 X 2 1/4
	J	1 NUT, SQUARE 5/8" 11 UNC
	K	AS REQ. BRACKET WIRE, #10 CU, WHITE & BLACK
L	1 POLE	
GROUND	M	1 COMPRESSION CONNECTOR
	N	AS REQ. GROUND WIRE
	O	1 GROUND WIRE MOULDING
	P	1 GROUND ROD CONNECTOR
	Q	1 GROUND ROD

REVISIONS
 3.5.80 D.L.G. REDRAWN TO
 TO SHOW TOP WIRE AS
 NEUTRAL.

MEL & P

MUNICIPAL ELECTRIC LIGHT & POWER SYSTEM
 CITY OF COLUMBUS, OHIO
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**HPS LUMINAIRE / MAST ARM
 CIRCUIT GROUND INSTALLATION DETAIL
 FOR OPEN ALUMINUM CIRCUIT**

SCALE **NONE** DRAWN **D.L.G 3/80** DRAWING NO. **01 S 0053**
 PROJECT NO. APPROVED **DHG 3/80** SHEET 1 OF 1