

## 20' MOUNTING BRACKET

### I. Quantity

The base bid shall include the indicated number of 20' mounting brackets, furnished and installed as hereinafter specified.

### II. Material

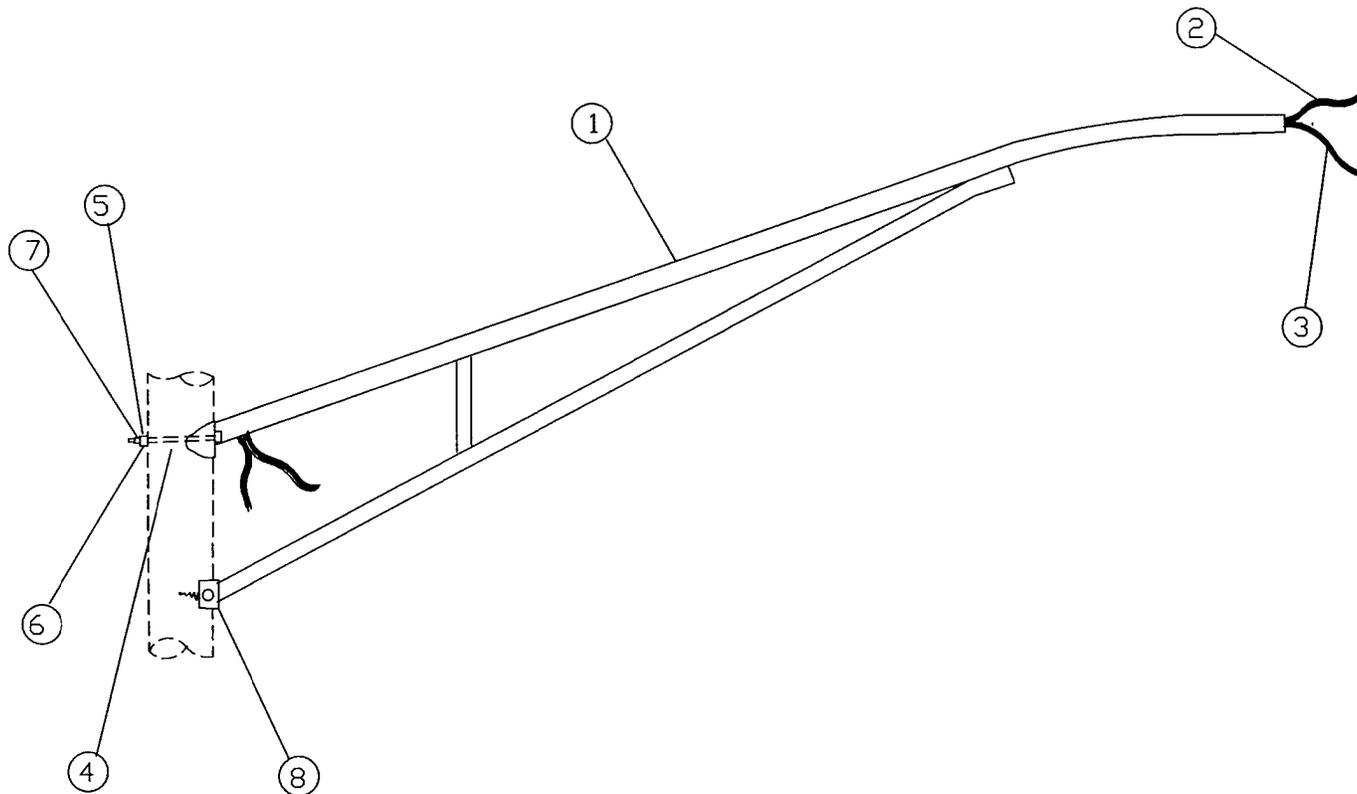
- a. 20 Ft. Aluminum Mounting Bracket - The aluminum mounting bracket, for wood pole, shall be truss style with 4" O.D. x .125" wall 6063-T6 alloy tube upper arm and brace. The bracket shall have a 2" slipfitter, a 36" rise and be suited for use with luminaires weighing up to 75 lbs. having projected areas of 1.6 square feet. Required pole mounting space shall not exceed 30." The complete bracket shall have a satin etch finish. The 20 foot bracket shall be P & K Pole Products Catalogue No. WEHT 2036 or approved equal.
- b. Wire - The wire shall be #10 AWG 7 strand, 600V Type THW or THWN single conductor.
- 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. MLBATT20.

### III. Installation

- a. The installation shall be as shown on drawing 01S0053, located as shown on the drawings or 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 20' 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	10	10' LENGTH	60-17196	14 FT.
1	12	12' LENGTH	60-17212	16 FT.
1	15	15' LENGTH	60-17215	18 FT.
1	20	20' LENGTH	60-17220	20 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, TAPERED TRUSS, 39' RISE, 2' SLIPFITTER			SEE SCH. 1

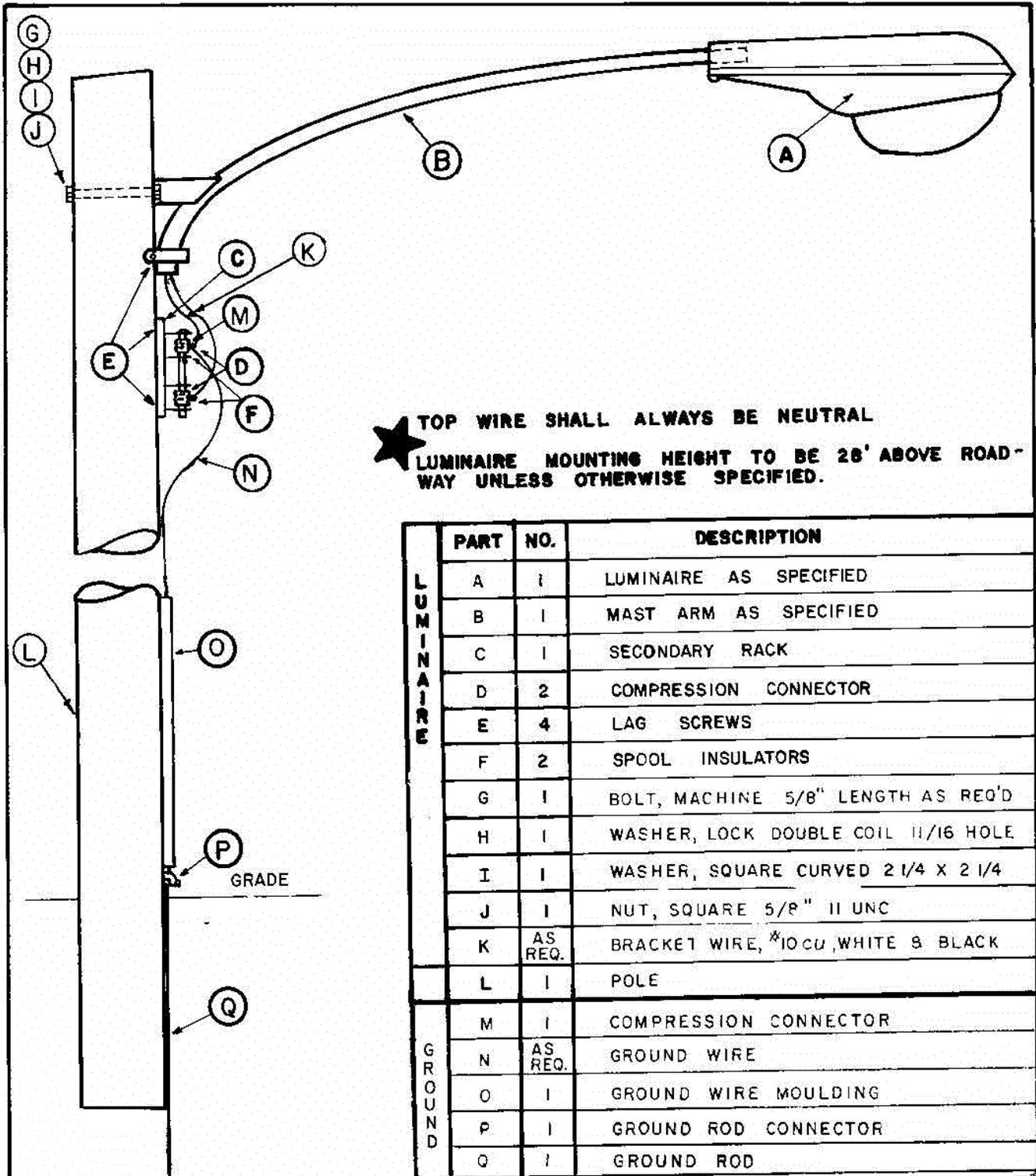
ITEM	DESCRIPTION	PART#	#REQ
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**MODULE LIGHT, BRACKET, ALUMINUM, TAPERED, TRUSS**

**MEL & P**

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

MLBATT20



★ TOP WIRE SHALL ALWAYS BE NEUTRAL  
 LUMINAIRE MOUNTING HEIGHT TO BE 26' 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, *10cu, WHITE & BLACK
	L	1 POLE
	GROUND	M
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  
 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: DHB 3/80 SHEET 1 OF 1