I. MATERIALS

A. THE ALUMINUM BRACKET SHALL BE UNDERBRACED STYLE FABRICATED FROM 2" ALUMINUM PIPE. THE BRACKET RISE IS SHOWN IN THE ADJACENT TABLE. IT SHALL BE SUITED FOR USE WITH LUMINAIRES WITH WEIGHTS AND PROJECTED AREAS AS SHOWN IN THE ADJACENT TABLE.

B. THE WIRE SHALL BE #10 AWG 7 STRAND COPPER, 600 V TYPE XHHW SINGLE CONDUCTOR. THE CONDUCTOR LENGTH IS SHOWN IN THE ADJACENT TABLE.

C. THE COMPRESSION CONNECTORS SHALL BE BURNDY #YPC2A8U, OR APPROVED EQUAL.

D. ALL BOLTS AND NUTS SHALL BE COATED WITH ANTI–SEIZE COMPOUND WHEN BOLTING ARMS TO POLES.

II. INSTALLATION

A. THE INSTALLATION SHALL BE AS SHOWN ON THE CONTRACT DRAWINGS AND INDICATED IN THE FIELD BY THE FIELD ENGINEER.

B. THE MOUNTING HEIGHT TO LUMINAIRE CENTER SHALL BE 28' UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DRAWING OR INDICATED BY THE FIELD 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 INSTALLATION 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 PAID AS SEPARATE ITEMS AND ARE NOT INCLUDED IN THIS SPECIFICATION.

III. BASIS OF PAYMENT

ITEM	UNIT	DESCRIPTION
MIS–100	EACH	BRACKET, 6' ALUMINUM, FOR WOOD POLE
MIS–100	EACH	BRACKET, 8' ALUMINUM, FOR WOOD POLE

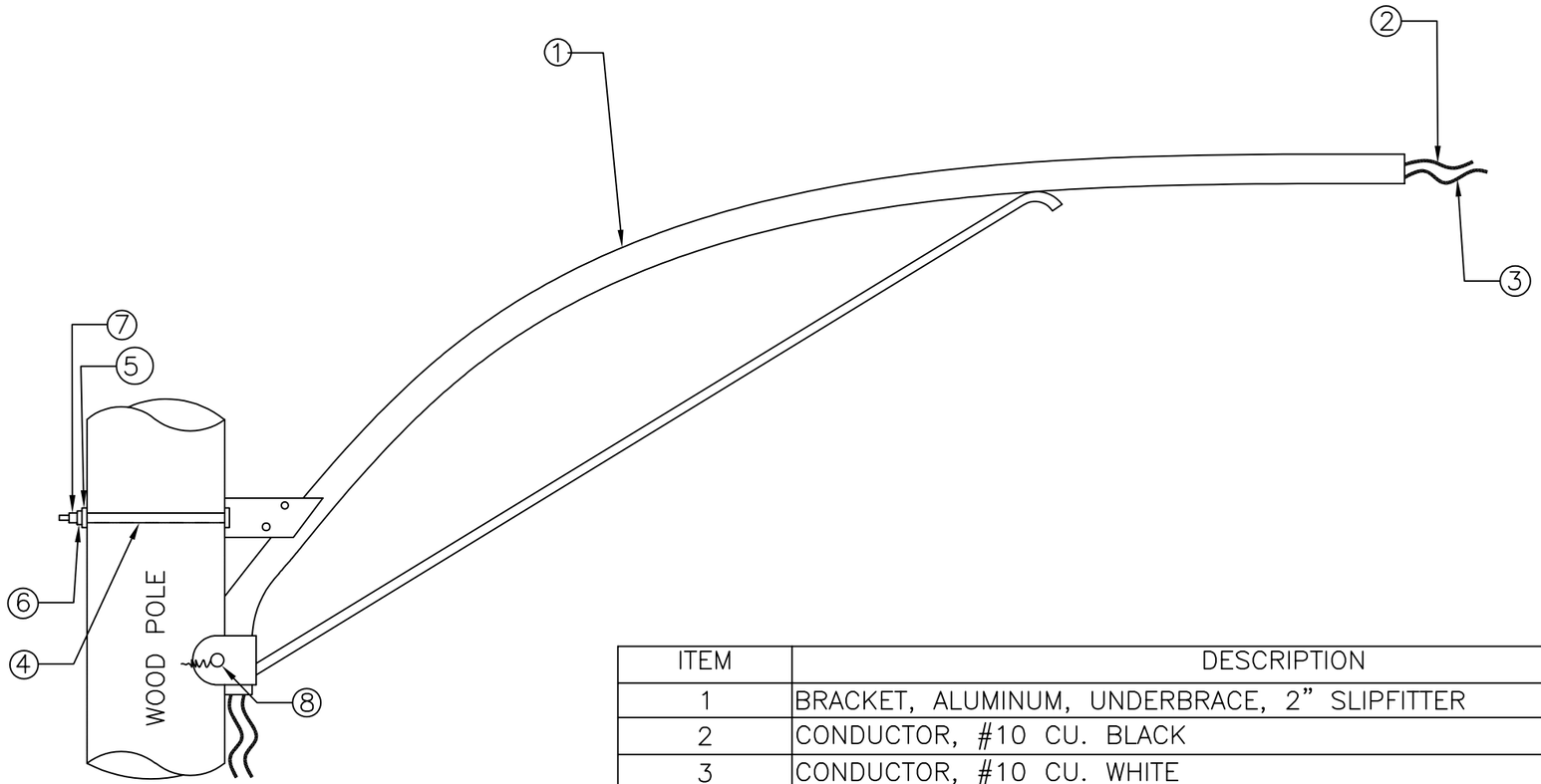
BRACKET LENGTH (FT)	BRACKET RISE (IN)	CONDUCTOR LENGTH (FT)	LUMINAIRE WEIGHT (LBS)	PROJECTED AREA (SF)	APPROVED PRODUCT (OR APPROVED EQUAL)
6	28	10	70	1.6	HAPCO # 82–003
8	30	12	67	1.2	HAPCO # 82–004

MIS-100

DEPARTMENT OF PUBLIC UTILITIES - DIVISION OF POWER
CITY OF COLUMBUS, OHIO

BRACKET, X' ALUMINUM,
FOR WOOD POLE(6' OR 8')

DRAWN BY: SAW	DATE: 1/10/25	
APPROVED:		
SCALE: NONE	SHEET: 1 OF 2	100



ITEM	DESCRIPTION	QTY
1	BRACKET, ALUMINUM, UNDERBRACE, 2" SLIPFITTER	1 EA
2	CONDUCTOR, #10 CU. BLACK	SEE SHEET 1
3	CONDUCTOR, #10 CU. WHITE	SEE SHEET 1
4	BOLT, MACHINE 5/8" x LENGTH AS REQUIRED	1 EA
5	WASHER, SQ. CURVED 2–1/4" x 2–1/4" x 3/16", 11/16" DIA. HOLE	1 EA
6	WASHER, LOCK 11/16" DIA. HOLE, DOUBLE COIL	1 EA
7	NUT, SQUARE 5/8" –11 UNC (INCLUDED WITH MACHINE BOLT)	1 EA
8	SCREW, LAG 1/2" x 4"	2 EA
9	CONNECTOR, COMPRESSION (NOT SHOWN SIZE AS REQUIRED)	2 EA

MIS-100

DEPARTMENT OF PUBLIC UTILITIES - DIVISION OF POWER
CITY OF COLUMBUS, OHIO

BRACKET, X' ALUMINUM, FOR WOOD POLE (6' OR 8')

DRAWN BY: SAW	DATE: 1/10/25	
APPROVED:		
SCALE: NONE	SHEET: 2 OF 2	100