

I. MATERIAL

- A. THE 20’ ALUMINUM MOUNTING BRACKET FOR WOOD POLE SHALL BE A TRUSS STYLE WITH 4” O.D. X 0.125” WALL, 6063–T6 ALLOY TUBE UPPER AND LOWER ARM, AND 2” STRUT BRACES AS SHOWN ON SHEET # 2. THE BRACKET SHALL HAVE A 2” X 8” SLIP–FITTER FOR LUMINAIRE MOUNTING, AND A 36” RISE. THE BRACKET SHALL BE SUITED FOR USE WITH LUMINAIRES HAVING A MAXIMUM EFFECTIVE PROJECTED AREA OF 1.6 SQUARE FEET, AND A MAXIMUM WEIGHT OF 75 LBS. THE REQUIRED POLE MOUNTING SPACE FOR THE ARM SHALL NOT EXCEED 30.” THE COMPLETE BRACKET SHALL HAVE A SATIN ETCHED FINISH. THE 20 FOOT BRACKET SHALL BE MANUFACTURED PER HAPCO DRAWING # B38794 OR APPROVED EQUAL.
- B. THE LUMINAIRE CONDUCTOR SHALL BE #10 AWG 7 STRAND, 600V TYPE XHHW SINGLE CONDUCTOR WIRE. COLORS SHALL BE BLACK FOR THE HOT, AND WHITE FOR THE NEUTRAL.
- C. THE COMPRESSION CONNECTORS SHALL BE BURNDY #YPC2A8U OR APPROVED EQUAL.

II. INSTALLATION

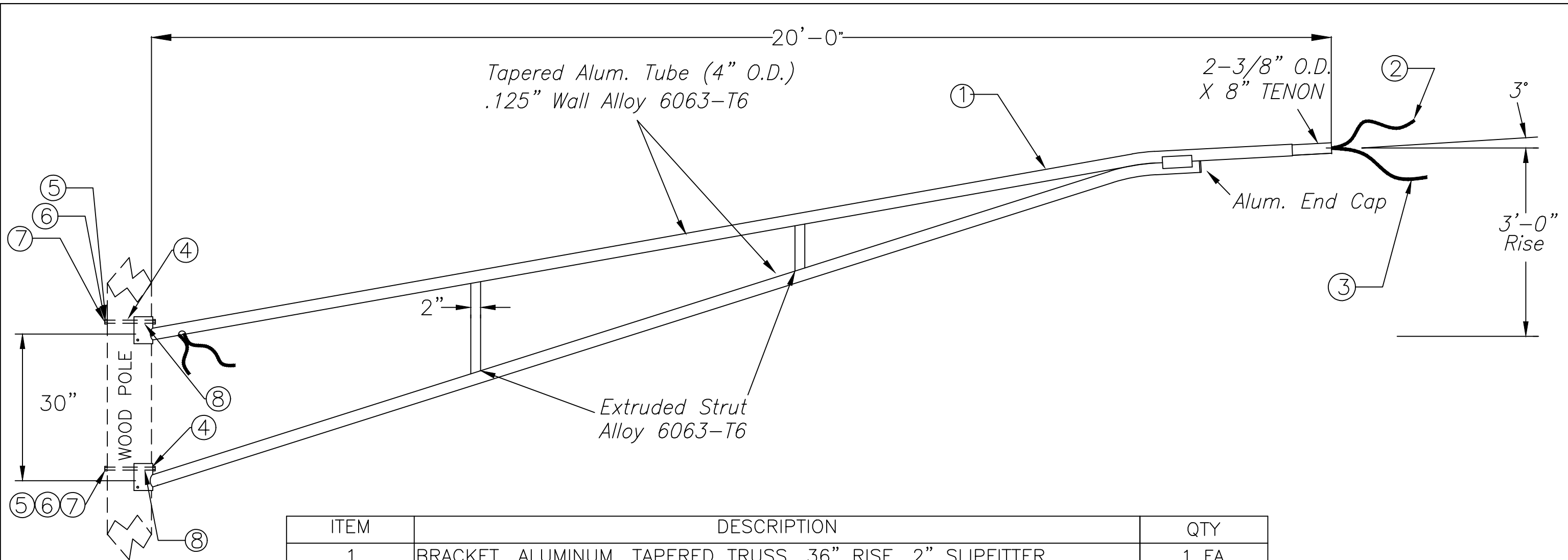
- A. THE INSTALLATION SHALL BE AS SHOWN IN THE CONTRACT DRAWINGS OR INDICATED IN THE FIELD BY THE ENGINEER.
- B. THE MOUNTING HEIGHT TO THE CENTER OF THE LUMINAIRE SHALL BE 28’ UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DRAWINGS OR INDICATED BY THE ENGINEER.
- C. ANY RELOCATION OF EXISTING FACILITIES REQUIRED FOR PROPER CLEARANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND INCLUDED IN THE UNIT PRICE BID FOR THIS ITEM.
- D. THIS ITEM SHALL INCLUDE FURNISHING AND INSTALLING THE BRACKET ARM, THE WIRING INTERNAL TO THE ARM, AND THE CONNECTION OF THE WIRING TO THE CIRCUIT AND LUMINAIRE. THE LUMINAIRE AND CIRCUIT CABLE SHALL BE PROVIDED AND PAID AS SEPARATE ITEMS, AND ARE NOT INCLUDED IN THIS SPECIFICATION.

III. BASIS OF PAYMENT

ITEM	UNIT	DESCRIPTION
MIS–102	EACH	BRACKET, 20’ ALUMINUM, FOR WOOD POLE

MIS-102

DEPARTMENT OF PUBLIC UTILITIES - DIVISION OF POWER CITY OF COLUMBUS, OHIO		
BRACKET, 20' ALUMINUM, FOR WOOD POLE		
DRAWN BY: SAW	DATE: 9/16/24	
APPROVED:		
SCALE: NONE	SHEET: 1 OF 2	102



ITEM	DESCRIPTION	QTY
1	BRACKET, ALUMINUM, TAPERED TRUSS, 36" RISE, 2" SLIPFITTER	1 EA
2	CONDUCTOR, #10 AWG, 7 STRAND, 600 V, XHHW, BLACK	24 FT
3	CONDUCTOR, #10 AWG, 7 STRAND, 600 V, XHHW, WHITE	24 FT
4	BOLT, MACHINE 5/8" x LENGTH AS REQUIRED	2 EA
5	WASHER, SQ. CURVED 2-1/4" x 2-1/4" x 3/16", 11/16" DIA. HOLE	2 EA
6	WASHER, LOCK 11/16" DIA. HOLE, DOUBLE COIL	2 EA
7	NUT, SQUARE 5/8" -11 UNC (INCLUDED WITH MACHINE BOLT)	2 EA
8	SCREW, LAG 1/2" x 4"	4 EA
9	CONNECTOR, COMPRESSION (NOT SHOWN SIZE AS REQUIRED)	2 EA

MIS-102

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

BRACKET, 20' ALUMINUM,
FOR WOOD POLE

DRAWN BY: SAW	DATE: 9/16/24	
APPROVED:		
SCALE: NONE	SHEET: 2 OF 2	102