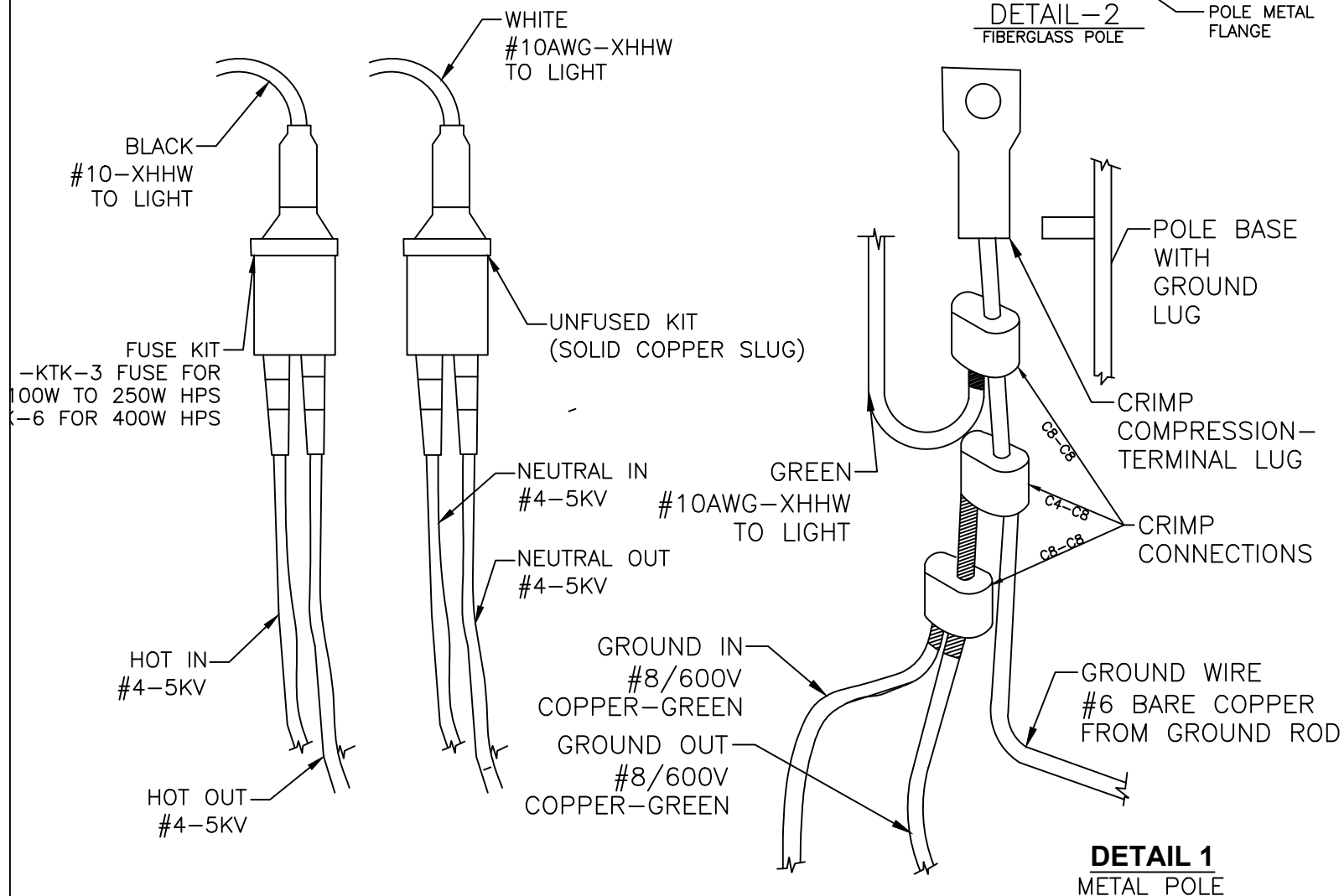


480 VOLTS, 3-WIRE, GROUNDING NEUTRAL



I. MATERIALS

- A. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE #8 AWG, XHHW-2, 600V COPPER, STRANDED, GREEN JACKET COLOR AND SUITABLE FOR WET LOCATION
- B. USE BURNDY ,YC8C8 AND YC4C8 CRIMPITS.
- C. USE NON-FUSED WITH A SOLID COPPER SLUG ON NEUTRAL SIDE, BUCHANAN 83S-EAFB1-C.
- D. USE #10 AWG, XHHW GREEN WIRE FROM LUMINAIRE TO POLE GROUNDING

II. INSTALLATION

- A. INSTALL #8 AWG GREEN EQUIPMENT GROUNDING CONDUCTOR INTO EXISTING POLE BASE IN AND OUT FROM EXISTING CONDUITS.
- B. DISCONNECT NEUTRAL #4-5KV CABLES FROM THE EXISTING POLE GROUNDING.
- C. INSTALL THE UN-FUSED KIT WITH SOLID COPPER SLUG ON NEUTRAL SIDE.
- D. BOND THE #8 AWG GREEN EQUIPMENT GROUNDING CONDUCTOR TO EXISTING POLE GROUNDING AS SHOWN.
- E. FOR STREET CROSSINGS, LOOP THE #8 AWG GREEN WIRE INSIDE THE 2-WAY PULL BOX. FOR 3-WAY PULL BOXES, CONNECT USING 3M RESIN SPLICE KIT 82BF1.
- F. INSTALL #10 AWG GREEN WIRE FROM LUMINAIRE TO POLE GROUNDING IF NEEDED AS SHOWN.

II. BASIS OF PAYMENT

ITEM	UNIT	DESCRIPTION
MIS-502	EACH	3 WIRE RETROFIT LIGHT POLE WITH FOUNDATION

<h1>MIS-502</h1>	DEPARTMENT OF PUBLIC UTILITIES - DIVISION OF POWER CITY OF COLUMBUS, OHIO		
	3 WIRE RETROFIT LIGHT POLE WITH FOUNDATION		
	DRAWN BY: SAW	DATE: 7/31/2022	
APPROVED:			
SCALE: NONE	SHEET: 1 OF 1	502	