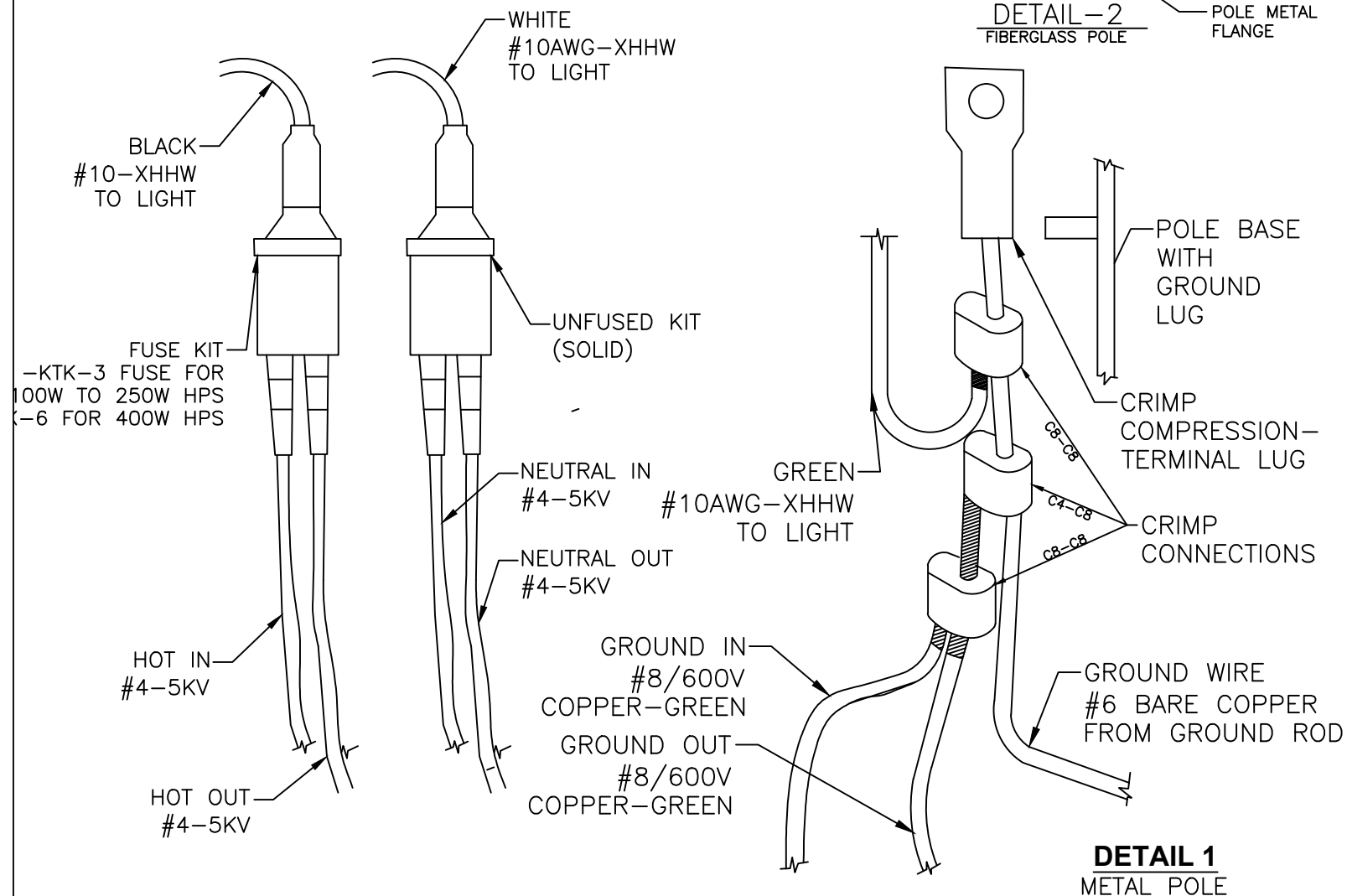


**480 VOLTS, 3-WIRE, GROUNDING NEUTRAL**



**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 CONNECTING LINK 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 CONNECTING LINK ON NEUTRAL SIDE.
- D. BOND THE #8 AWG GREEN EQUIPMENT GROUNDING CONDUCTOR TO EXISTING POLE GROUNDING.
- E. FOR STREET CROSSINGS, LOOP THE GREEN CABLE INSIDE THE 2-WAY PULL BOXES AND CRIMP CONNECT INSIDE THE 3-WAY PULL BOXES.
- F. INSTALL #10 AWG GREEN WIRE FROM LUMINAIRE TO POLE GROUNDING IF NEEDED.

**II. BASIS OF PAYMENT**

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

<b>MIS-502</b>	DEPARTMENT OF PUBLIC UTILITIES - DIVISION OF POWER CITY OF COLUMBUS, OHIO		
	<b>3 WIRE RETROFIT LIGHT POLE WITH FOUNDATION</b>		
	DRAWN BY: JOHN	DATE: 1/1/2018	
	APPROVED: <i>Amy R. Wilk</i>		
SCALE: NONE	SHEET: 1 OF 1	502	