



**NOTES:**

- 1) INSTALL GROUND ROD AT THE FIRST AND LAST POLE OF STREET LIGHTING CIRCUIT AND EVERY 300 METERS MAXIMUM. REFER TO STD. 30-3700 IF IN-POLE CIRCUIT BREAKER IS MOUNTED AT THE FIRST POLE.
- 2) WHERE GROUND WIRE LOOP IN HANDHOLE IS PROVIDED, CONNECT WIRE TO GROUND CONNECTOR (BOM ITEM 2). WHERE GROUND LUG IS PROVIDED, USE #6 BARE WIRE (BOM ITEM 7) TO CONNECT LUG TO GROUND CONNECTOR.
- 3) WRAP INSULATED CONNECTORS WITH AT LEAST 2 LAPS OF PVC TAPE.
- 4) REFER TO STD. 30-3200 FOR FUSE ASSEMBLY INSTALLATION DETAIL.
- 5) REFER TO STD. 30-3820 FOR DETAILS OF UNDERGROUND SUPPLY DUCT INTO POLE APERTURE.

DISTRIBUTION CONSTRUCTION STANDARD  
Street Lighting

**UNDERGROUND 120 V SUPPLY  
TO POLE-MOUNTED LUMINAIRE**



Approved By:  
E. H. 2016-12-05  
Drafted By:  
B. W.      Designed By:  
E. H.

Original Issue:  
I. S. / J. D. 2011-02-15

Scale:  
N. T. S.

Rev:  
**4**

**30-3800**

**1/2**

BOM LEGEND	
A	WITHOUT GROUND ROD
B	WITH GROUND ROD

BILL OF MATERIALS FOR 30-3800					
ITEM NO.	DESCRIPTION	ITEM I.D.	QTY		
			A	B	
1	CONNECTOR AL KIT #14 TO #2/0	7214022	2	2	
2	CONNECTOR AL MAIN #1/0 - #8 TAP #2 - #14	9665361	1	1	
3	CONNECTOR SPLIT BOLT CU #6 - #8	7213004	-	1	
4	FUSE 600 V 10 A 100 kA FAST-ACTING	7020006	1	1	
5	FUSEHOLDER 600 V 30 A WATERTIGHT	7030139	1	1	
6	CABLE 2C #12 SOL CU WITH #14 SOL CU BARE GND	7155155	13	13	
* 7	WIRE #6 STR CU BARE	7105120	1	1	⚠
8	WIRE #2 19 STR CU BARE	7105045	-	3	⚠
9	CONNECTOR 3/4" ROD TO #2 CU	7214201	-	1	⚠
10	ROD 3/4" X 10' GROUND STEEL GALVANIZED	2470102	-	1	
OPEN BIN MATERIALS					
11	TAPE PVC 3/4"	7600001	+	+	
ASSOCIATED STANDARDS					
12	SECONDARY BUS CABLES SELECTION TABLE	STD. 30-1300	+	+	

+ AS REQUIRED

⚠ \* GROUND WIRE (BOM ITEM 7) IS NOT REQUIRED IF GROUND WIRE LOOP IS PROVIDED IN POLE HANDHOLE.

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