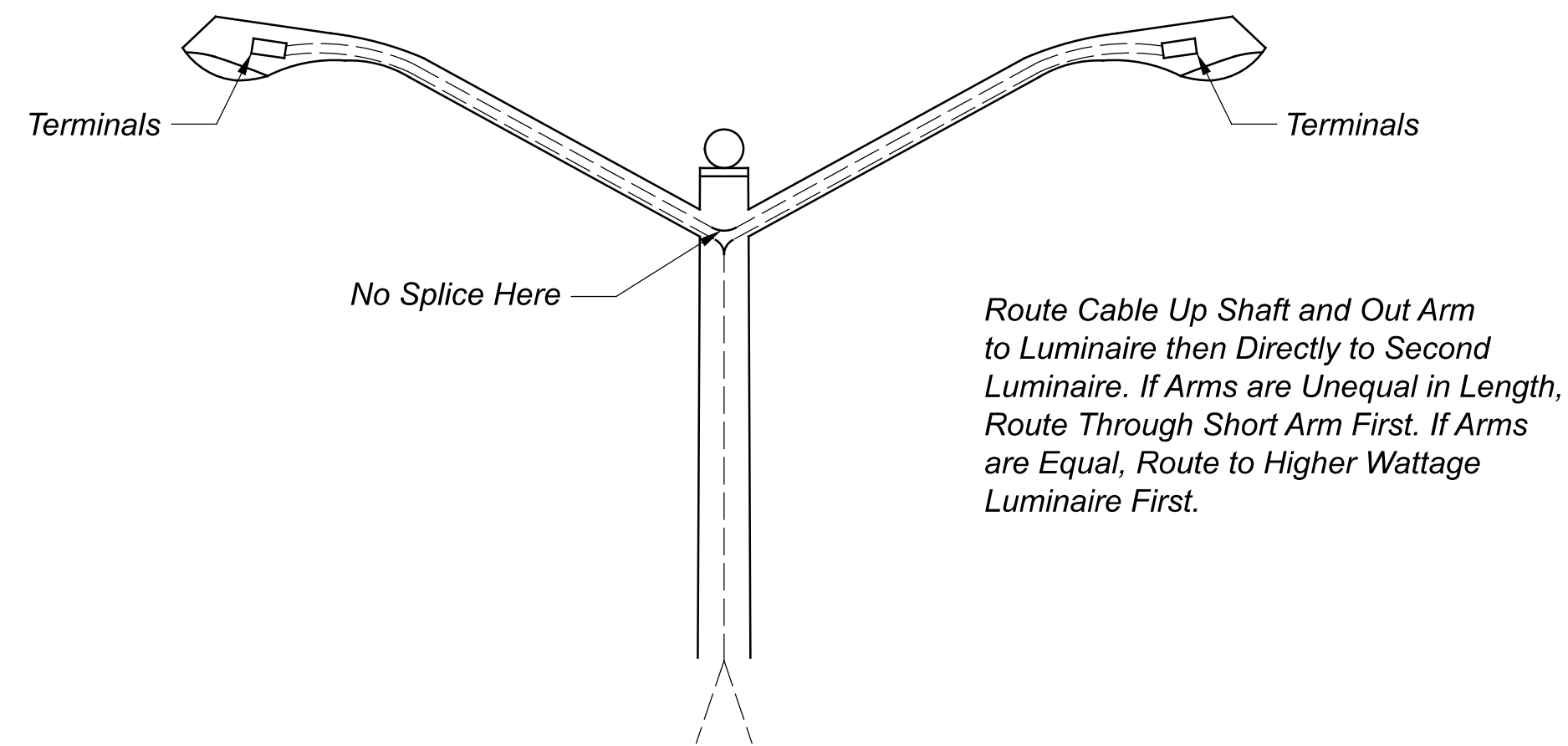


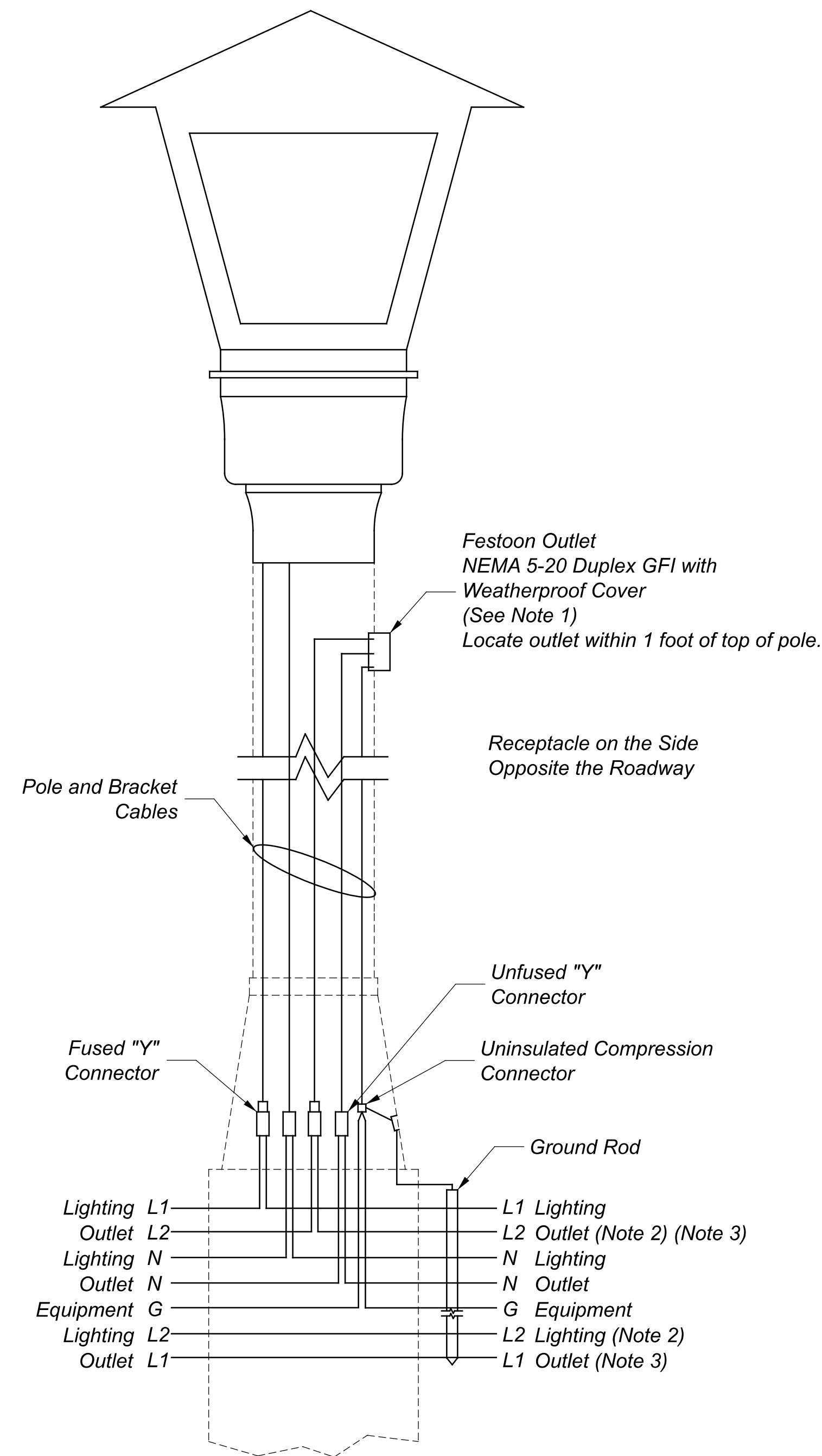


**NOTES:**

1. GFCI outlet must be UL-listed for damp locations, per NEC Article 406. The "WR" label must be visible on the outlet face.
2. Wiring diagram shows two optional branch circuits with alternating L2 Lighting and L2 Outlet energized conductors. These shall be installed only if called for by Plan Note; the standard construction uses only L1 Lighting and L1 Outlet to each pole.
3. Photocell control of light poles with festoon outlets shall be at the standard control center unless luminaire-mounted photocells are called for by the Plan Note. The festoon outlet circuits shall not be photocell controlled unless such operation is called for by Plan Note.



**WIRING FOR TWIN-LUMINAIRE POLES**



**POLE WIRING - LIGHT POLE WITH FESTOON OUTLET**

Odd Numbered Pole Shown. For Even Numbered Poles, Reverse L<sub>1</sub> and L<sub>2</sub> on Both the Lighting Circuit and the Outlet Circuit.

If specified, lighting loads may be wired L1-L2 (240V L-L), with a Neutral wire required only for the Outlet.

REVISIONS
07-16-2021
01-15-2021
04-17-2020
07-15-2016
01-17-2014
10-21-2011
10-19-2007
01-19-2007...

STDS ENGINEER  
Duemmel

STATE OF OHIO DEPARTMENT OF TRANSPORTATION ADMINISTRATOR  
**Brenton Bogard**

POLE WIRING II

DESIGN AGENCY



SCD NUMBER

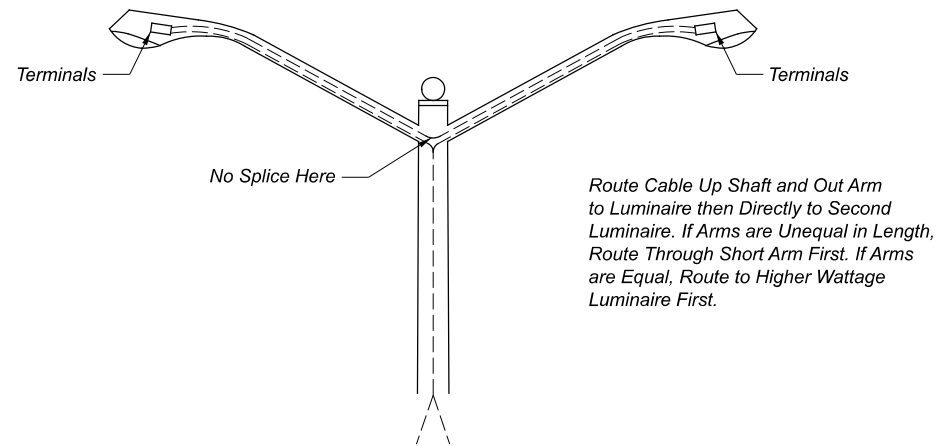
HL-60.12

SHEET TOTAL

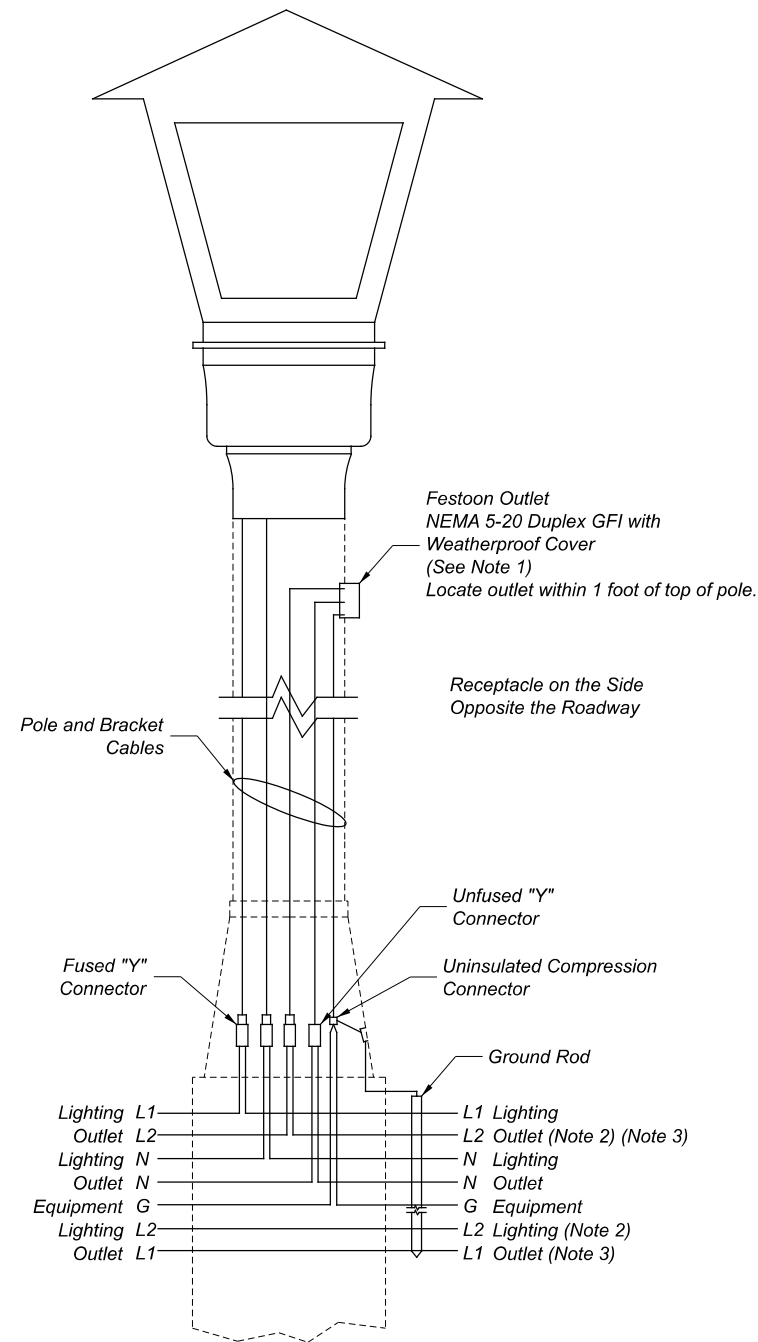
1 1

**NOTES:**

1. GFCI outlet must be UL-listed for damp locations, per NEC Article 406. The "WR" label must be visible on the outlet face.
2. Wiring diagram shows two optional branch circuits with alternating L2 Lighting and L2 Outlet energized conductors. These shall be installed only if called for by Plan Note; the standard construction uses only L1 Lighting and L1 Outlet to each pole.
3. Photocell control of light poles with festoon outlets shall be at the standard control center unless luminaire-mounted photocells are called for by the Plan Note. The festoon outlet circuits shall not be photocell controlled unless such operation is called for by Plan Note.



WIRING FOR TWIN-LUMINAIRE POLES



POLE WIRING - LIGHT POLE WITH FESTOON OUTLET

Odd Numbered Pole Shown. For Even Numbered Poles, Reverse L<sub>1</sub> and L<sub>2</sub> on Both the Lighting Circuit and the Outlet Circuit.

If specified, lighting loads may be wired L<sub>1</sub>-L<sub>2</sub> (240V L-L), with a Neutral wire required only for the Outlet.

REVISIONS
01-15-2021
04-17-2020
07-15-2016
01-17-2014
10-21-2011
10-19-2007
01-19-2007
01-21-2005...

STDS ENGINEER  
Duemmel

STATE OF OHIO DEPARTMENT OF TRANSPORTATION ADMINISTRATOR  
**Brenton Bogard**

POLE WIRING II

DESIGN AGENCY

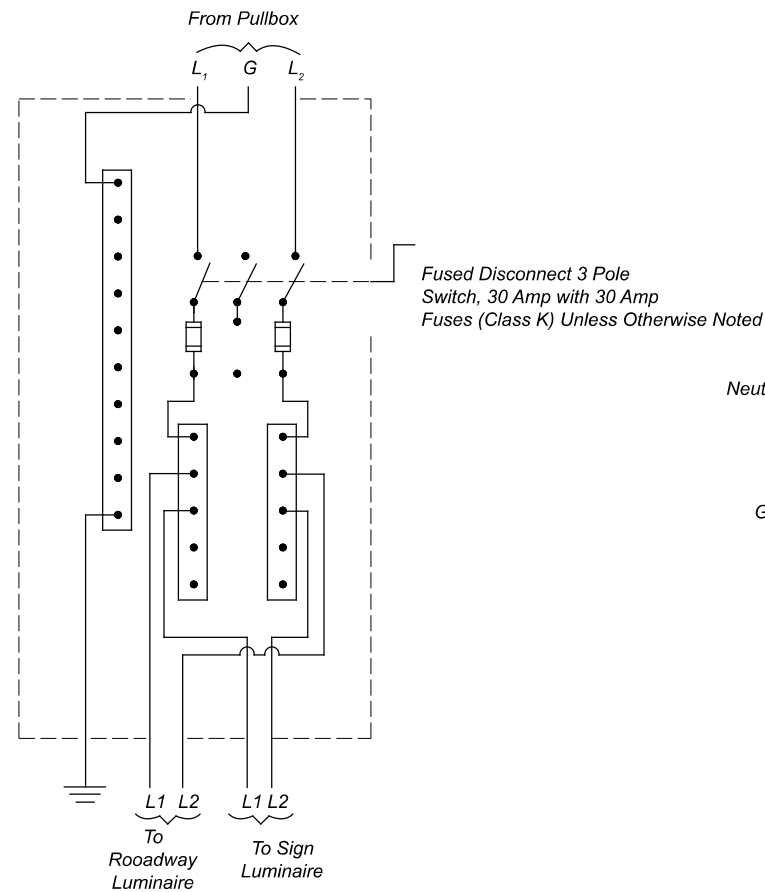


SCD NUMBER

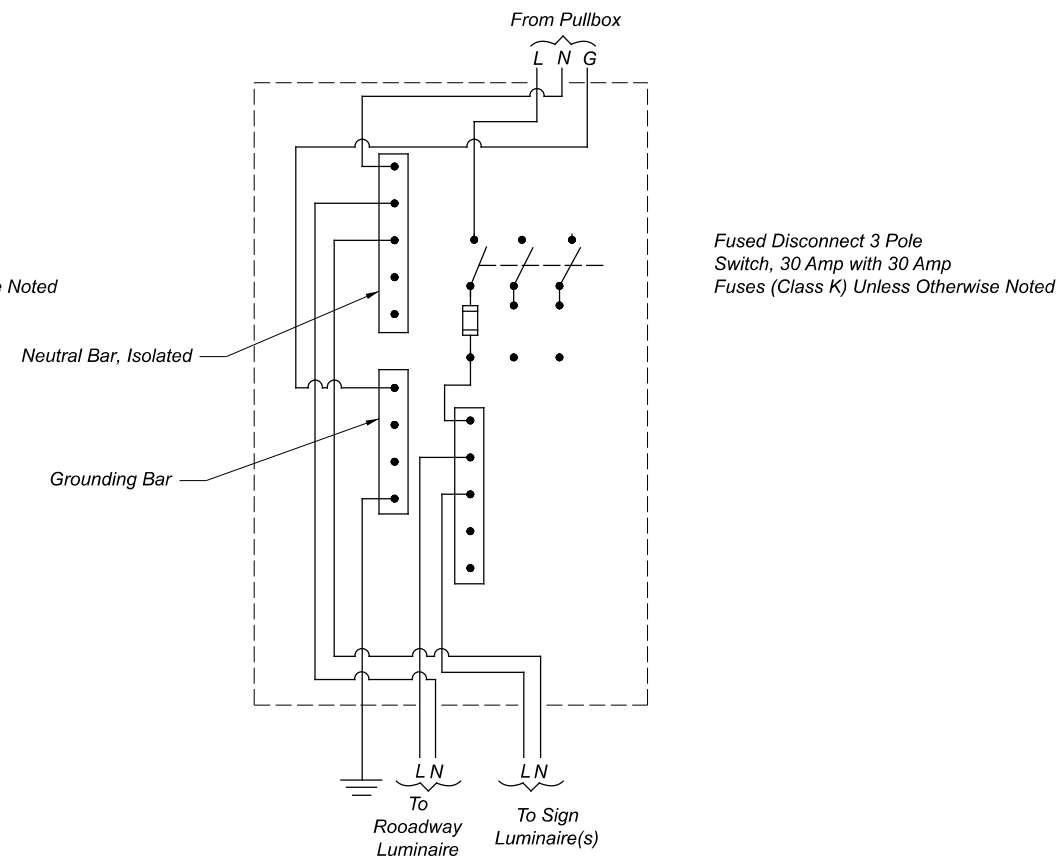
HL-60.12

SHEET TOTAL

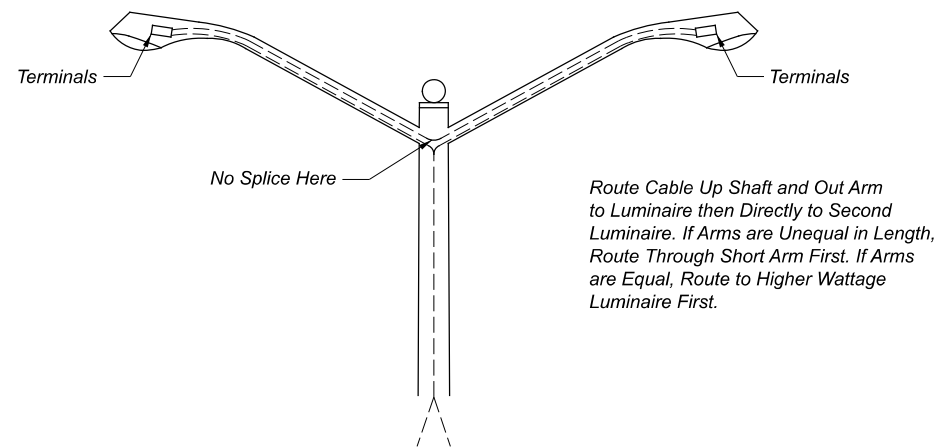
1 1



120/240 VOLT CONNECTIONS  
240/480 VOLT CONNECTIONS  
277/480 VOLT CONNECTIONS



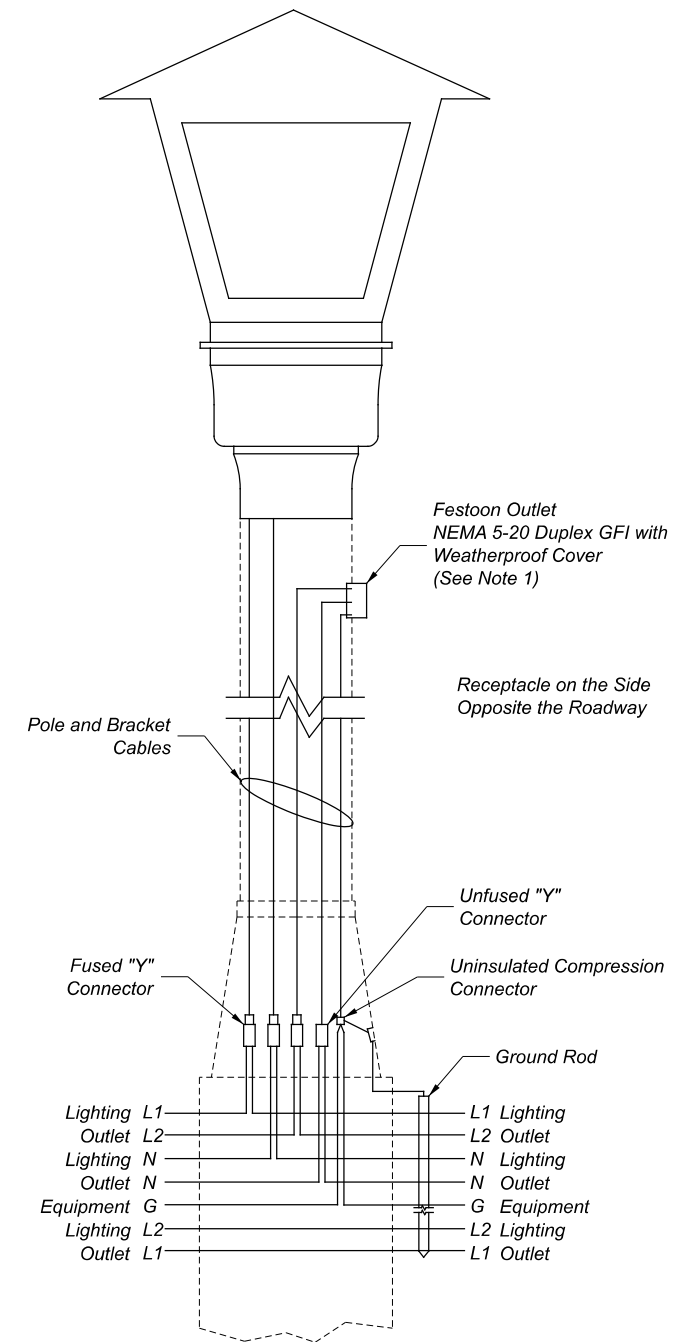
120 VOLT CONNECTIONS  
277 VOLT CONNECTIONS



WIRING FOR TWIN-LUMINAIRE POLES

NOTES:

- GFCI outlet must be UL-listed for damp locations, per NEC Article 406. The "WR" label must be visible on the outlet face.



POLE WIRING - LIGHT POLE WITH FESTOON OUTLET

Odd Numbered Pole Shown. For Even Numbered Poles, Reverse L, and L, on Both the Lighting Circuit and the Outlet Circuit.

If specified, lighting loads may be wired L1-L2 (240V L-L), with a Neutral wire required only for the Outlet.

REVISIONS
04-17-2020
07-15-2016
01-17-2014
10-21-2011
10-19-2007
01-19-2007
01-21-2005
07-20-2001

STDS ENGINEER  
Duemmel

STATE OF OHIO DEPARTMENT OF TRANSPORTATION ADMINISTRATOR  
David L. Holstein

POLE WIRING II

DESIGN AGENCY

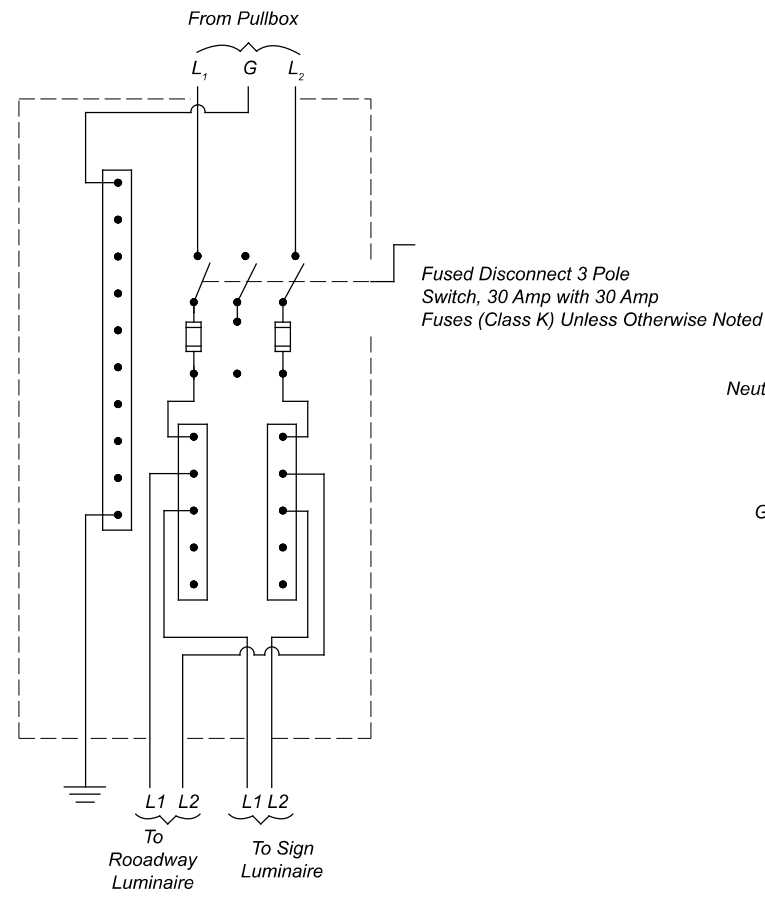


SCD NUMBER

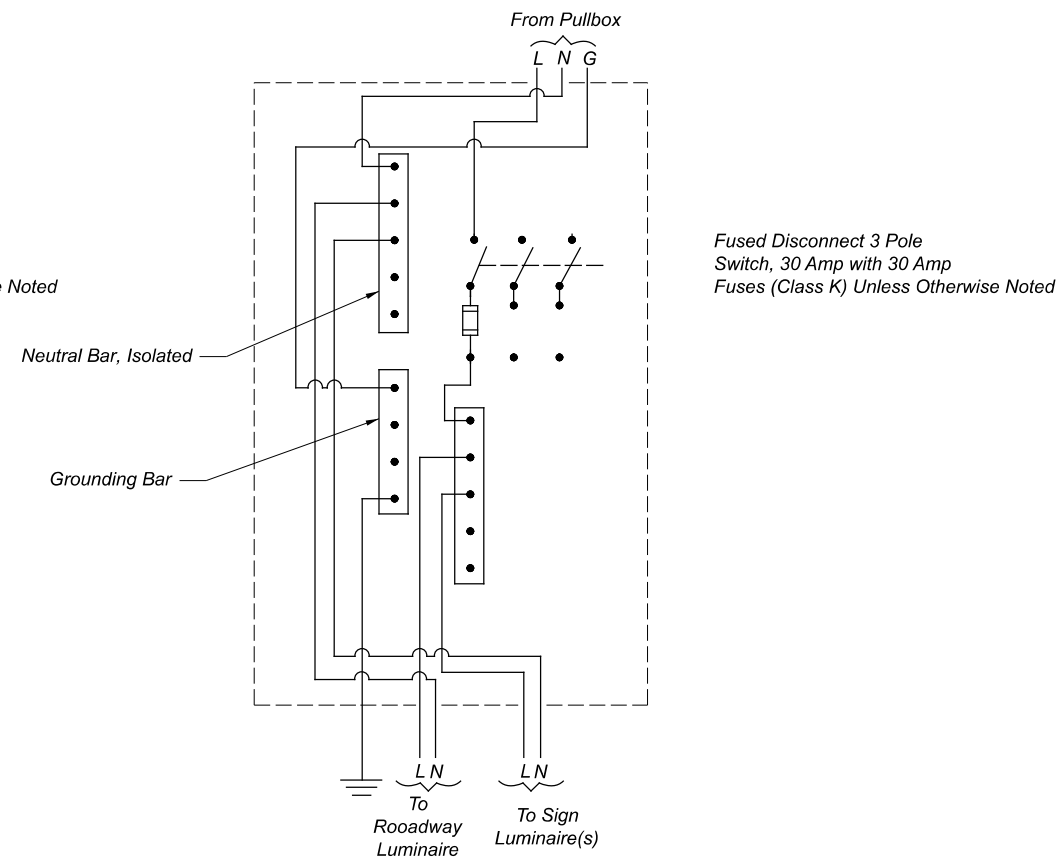
HL-60.12

SHEET TOTAL

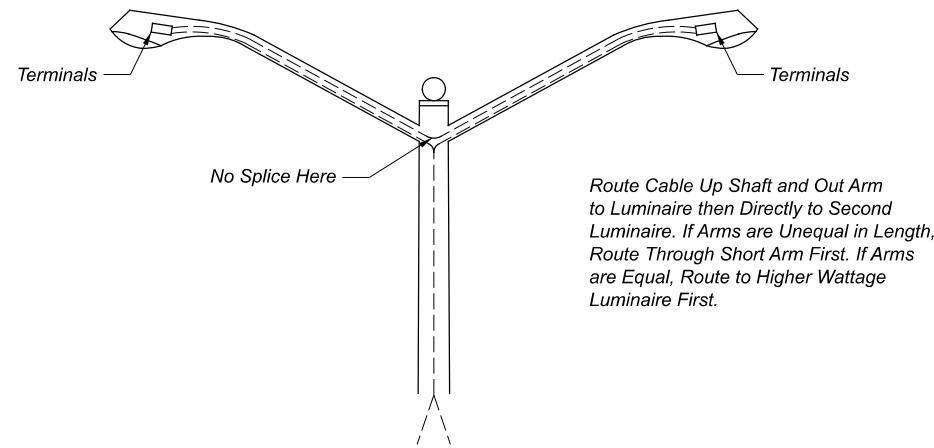
1 1



120/240 VOLT CONNECTIONS  
240/480 VOLT CONNECTIONS  
277/480 VOLT CONNECTIONS



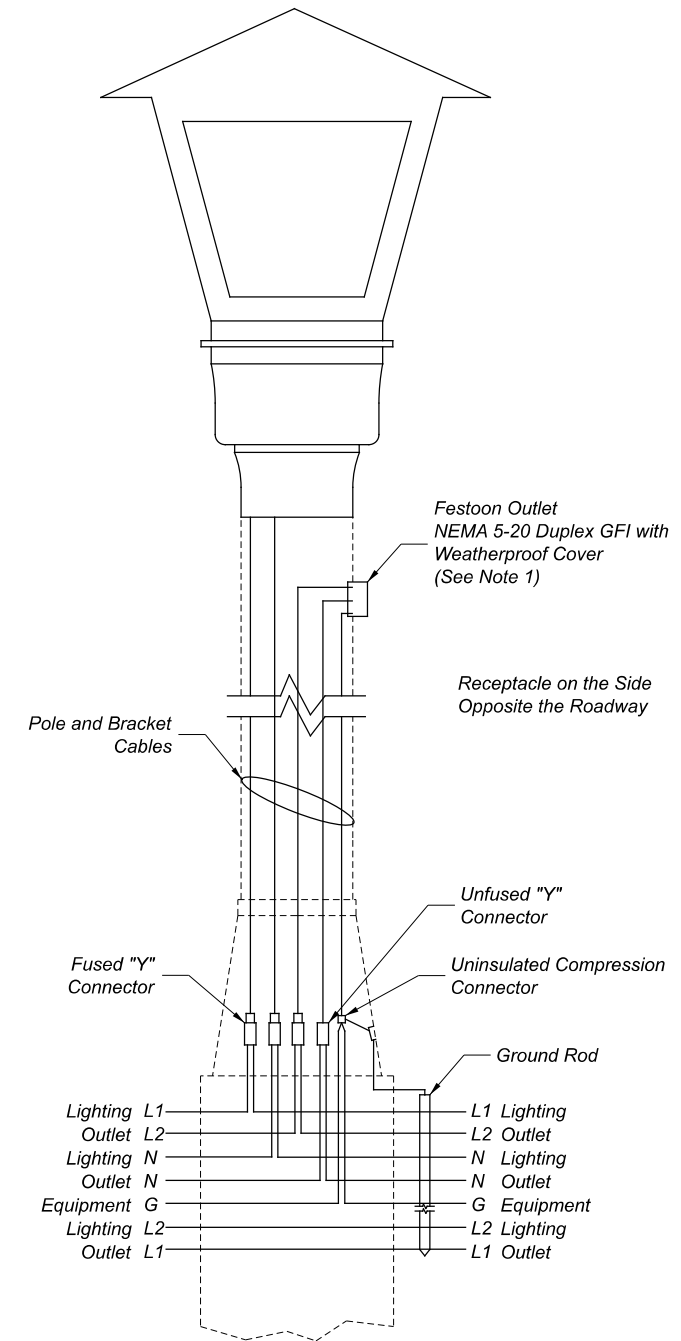
120 VOLT CONNECTIONS  
277 VOLT CONNECTIONS



WIRING FOR TWIN-LUMINAIRE POLES

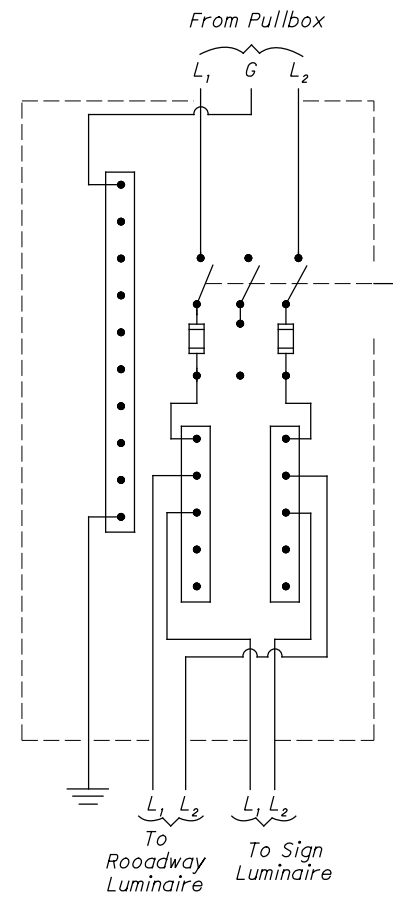
NOTES:

1. GFCI outlet must be UL-listed for damp locations, per NEC Article 406. The "WR" label must be visible on the outlet face.

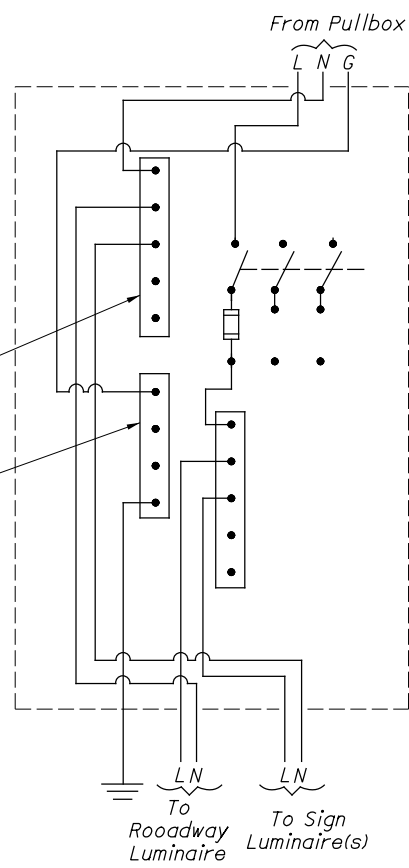


POLE WIRING - LIGHT POLE WITH FESTOON OUTLET

Odd Numbered Pole Shown. For Even Numbered Poles, Reverse L, and L<sub>2</sub> on Both the Lighting Circuit and the Outlet Circuit



Fused Disconnect 3 Pole Switch, 30 Amp with 30 Amp Fuses (Class K) Unless Otherwise Noted



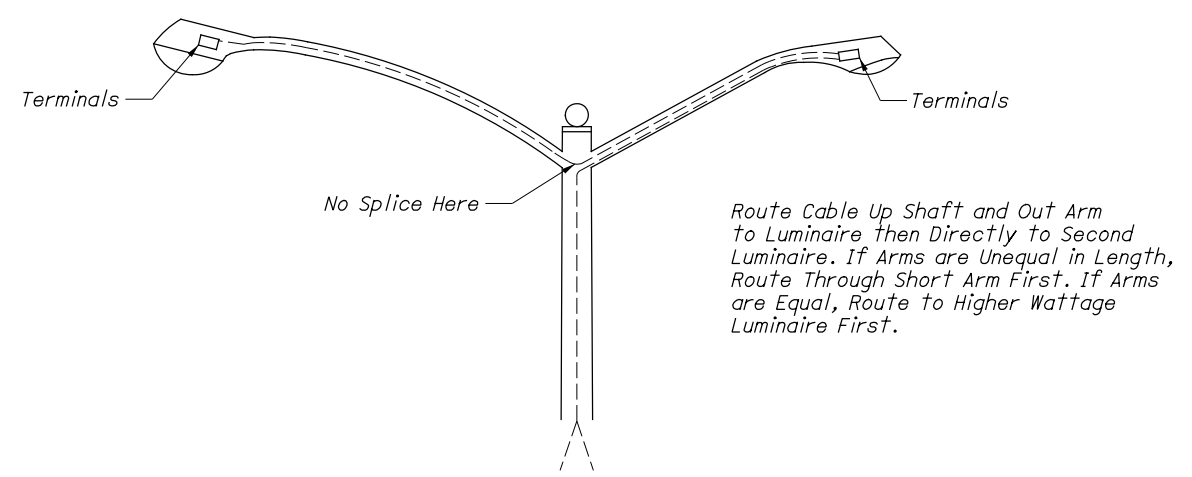
Fused Disconnect 3 Pole Switch, 30 Amp with 30 Amp Fuses (Class K) Unless Otherwise Noted

**NOTES:**

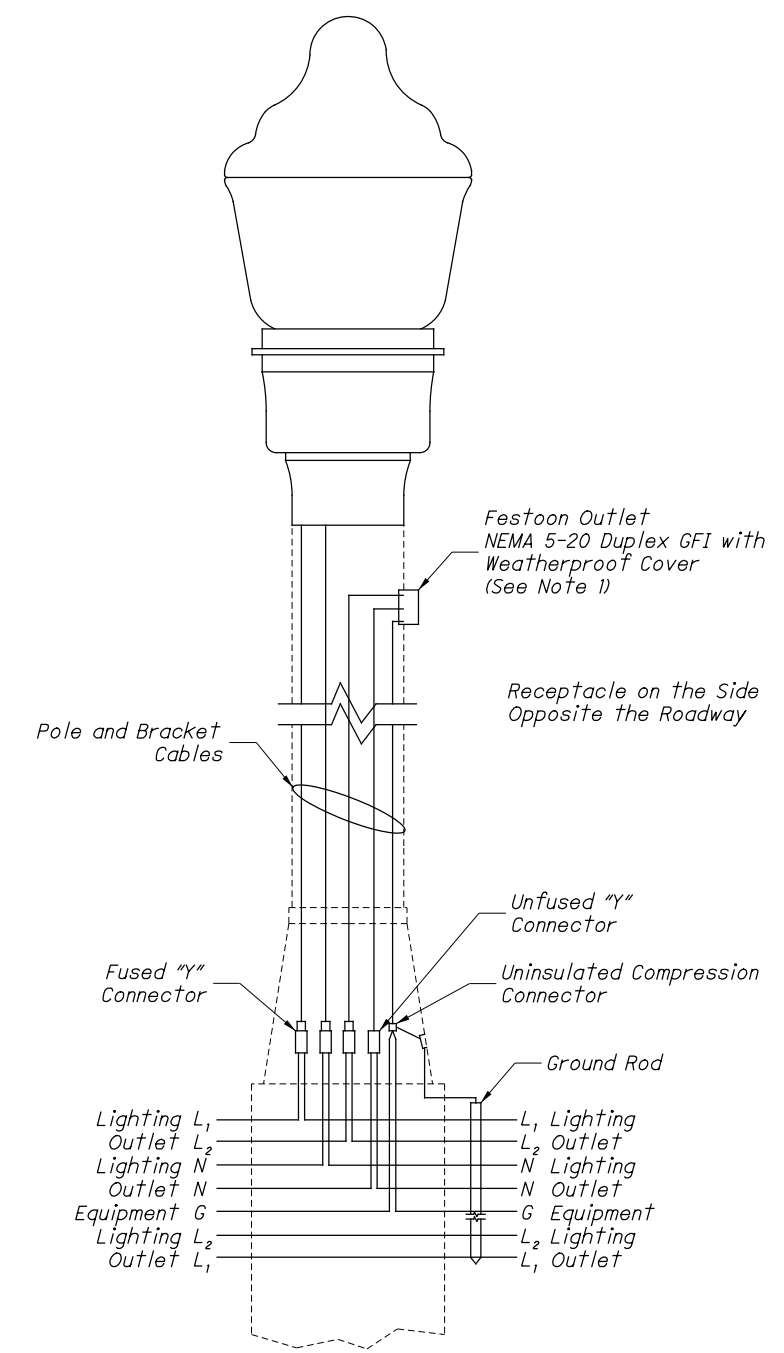
1. GFCI outlet must be UL-listed for damp locations, per NEC Article 406. The "WR" label must be visible on the outlet face.

120/240 VOLT CONNECTIONS  
 240/480 VOLT CONNECTIONS  
 277/480 VOLT CONNECTIONS

120 VOLT CONNECTIONS  
 277 VOLT CONNECTIONS

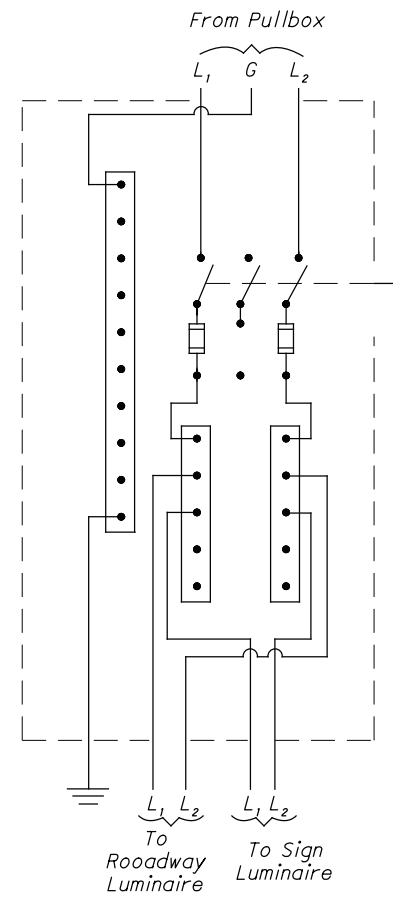


WIRING FOR TWIN-LUMINAIRE POLES

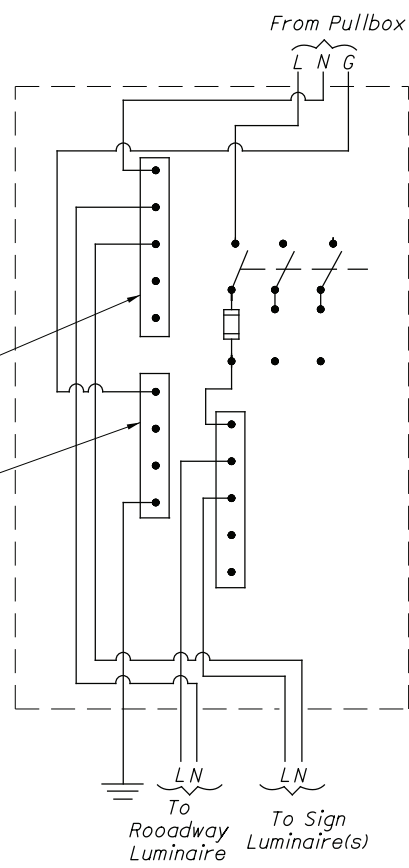


POLE WIRING - LIGHT POLE WITH FESTOON OUTLET

Odd Numbered Pole Shown. For Even Numbered Poles, Reverse L<sub>1</sub> and L<sub>2</sub> on Both the Lighting Circuit and the Outlet Circuit



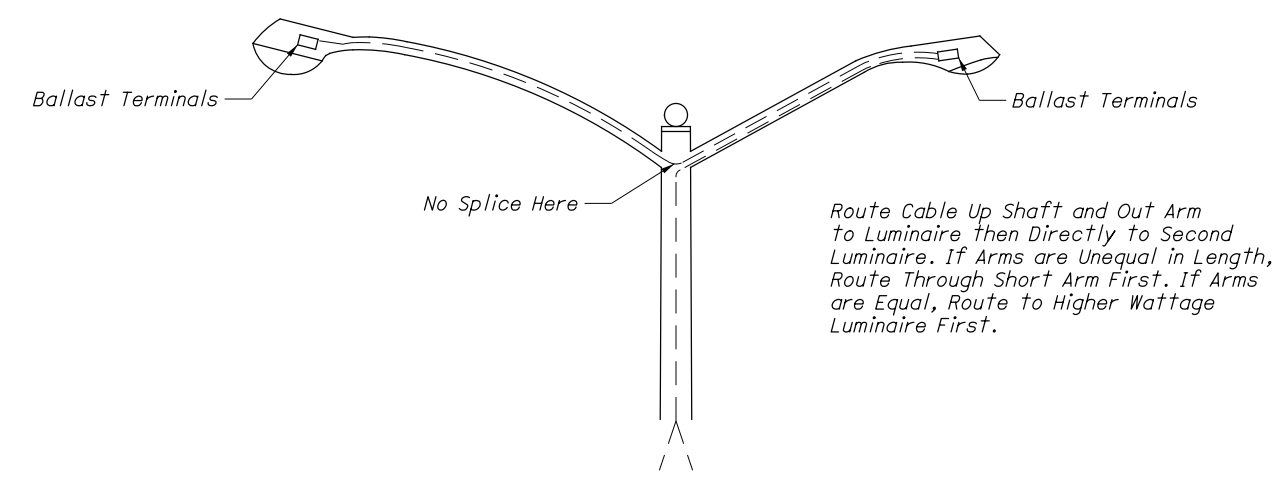
Fused Disconnect 3 Pole Switch, 30 Amp with 30 Amp Fuses Unless Otherwise Noted



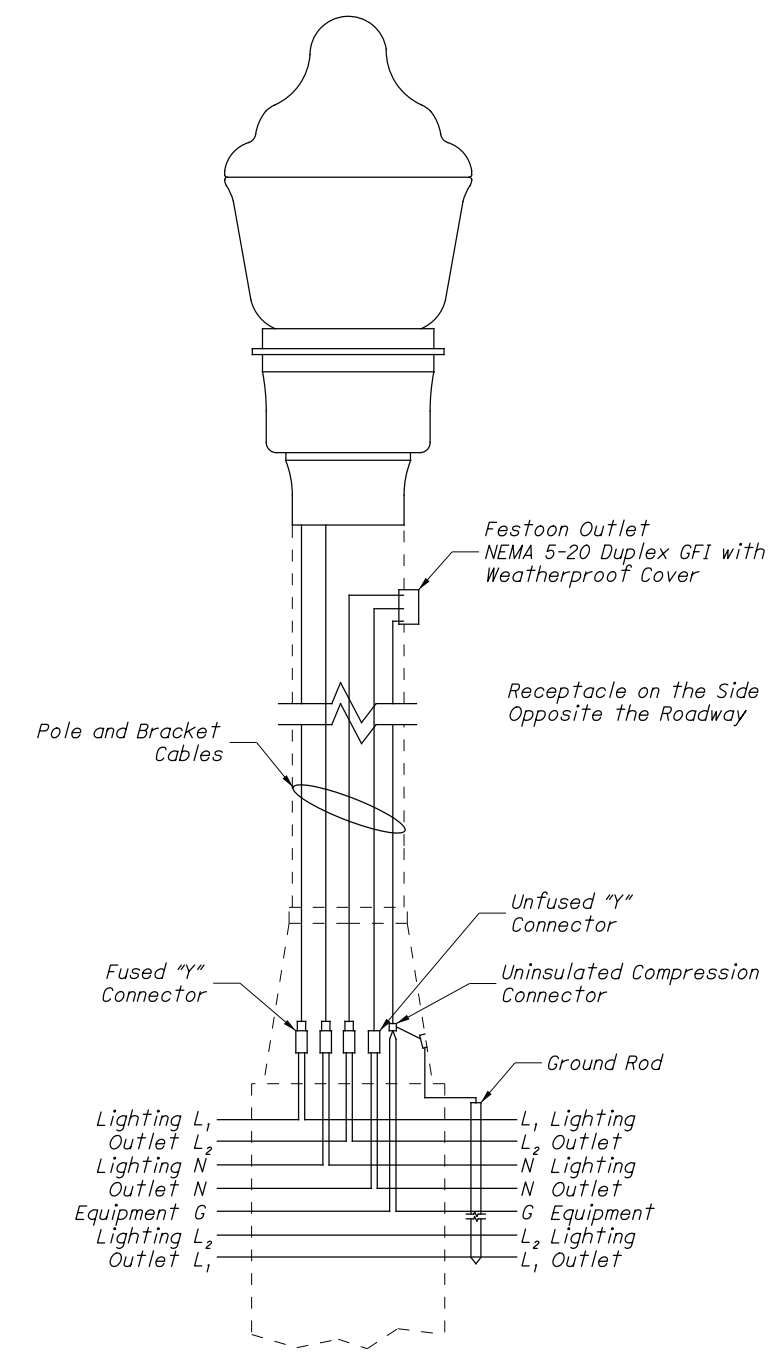
Fused Disconnect 3 Pole Switch, 30 Amp with 30 Amp Fuses Unless Otherwise Noted

120/240 VOLT CONNECTIONS  
240/480 VOLT CONNECTIONS  
277/480 VOLT CONNECTIONS

120 VOLT CONNECTIONS  
277 VOLT CONNECTIONS



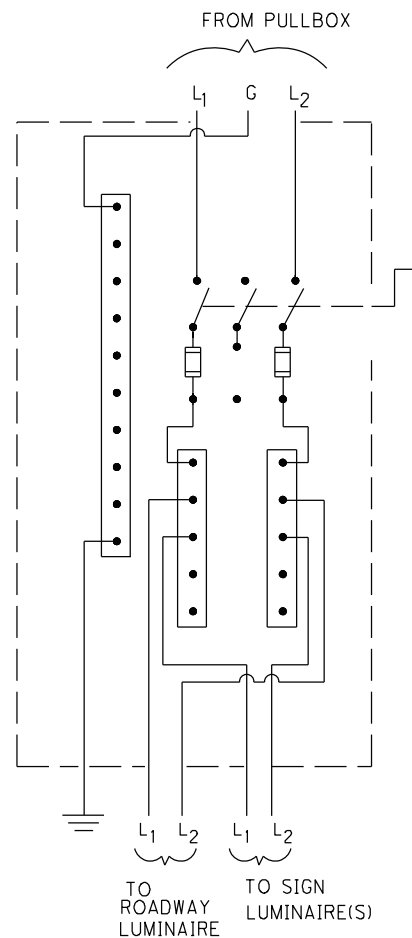
WIRING FOR TWIN-LUMINAIRE POLES



POLE WIRING - LIGHT POLE WITH FESTOON OUTLET

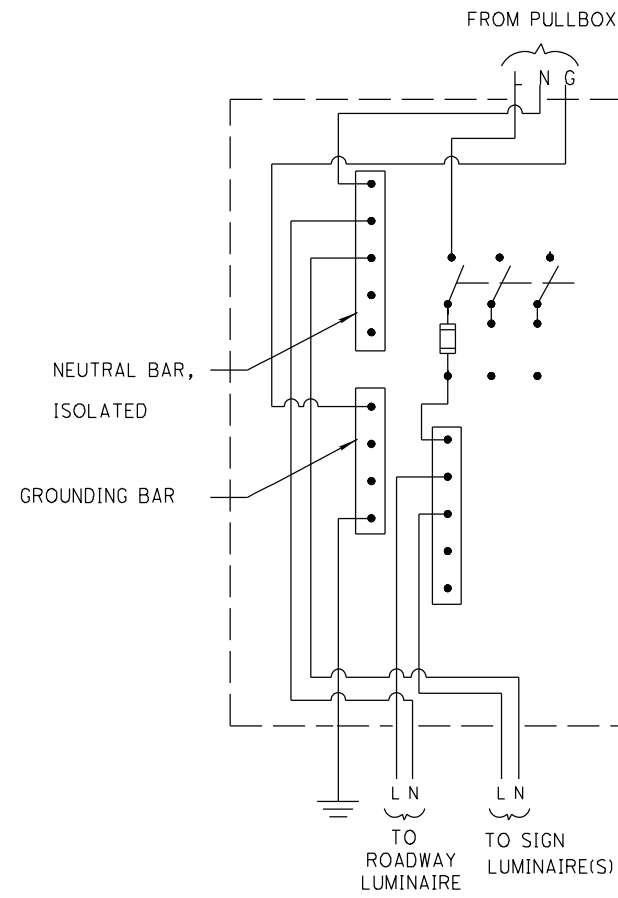
Odd Numbered Pole Shown. For Even Numbered Poles, Reverse L<sub>1</sub> and L<sub>2</sub> on Both the Lighting Circuit and the Outlet Circuit

THIS DRAWING REPLACES HL-60.12 DATED 10-21-2011.  
STANDARD ROADWAY CONSTRUCTION DRAWING



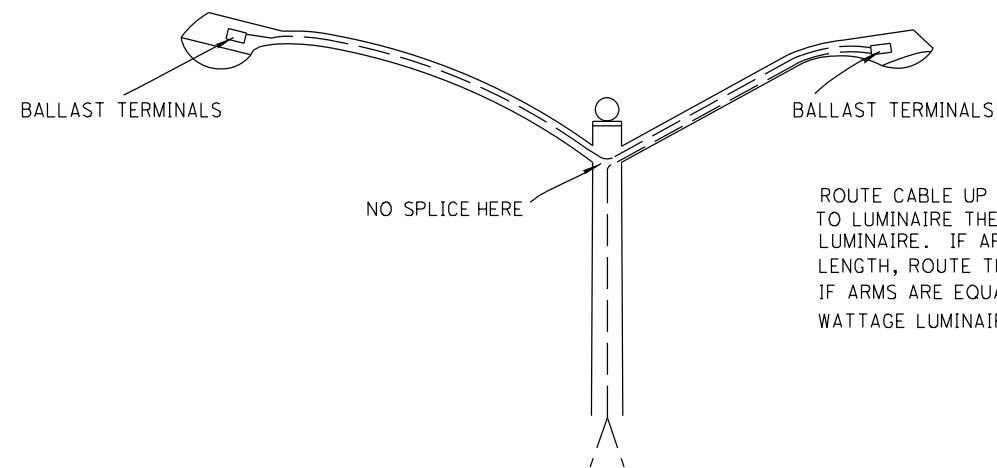
FUSED DISCONNECT  
3 POLE SWITCH, 30 AMP  
WITH 30 AMP FUSES  
UNLESS NOTED OTHERWISE

120/240 VOLT  
240/480 VOLT CONNECTIONS  
277/480 VOLT

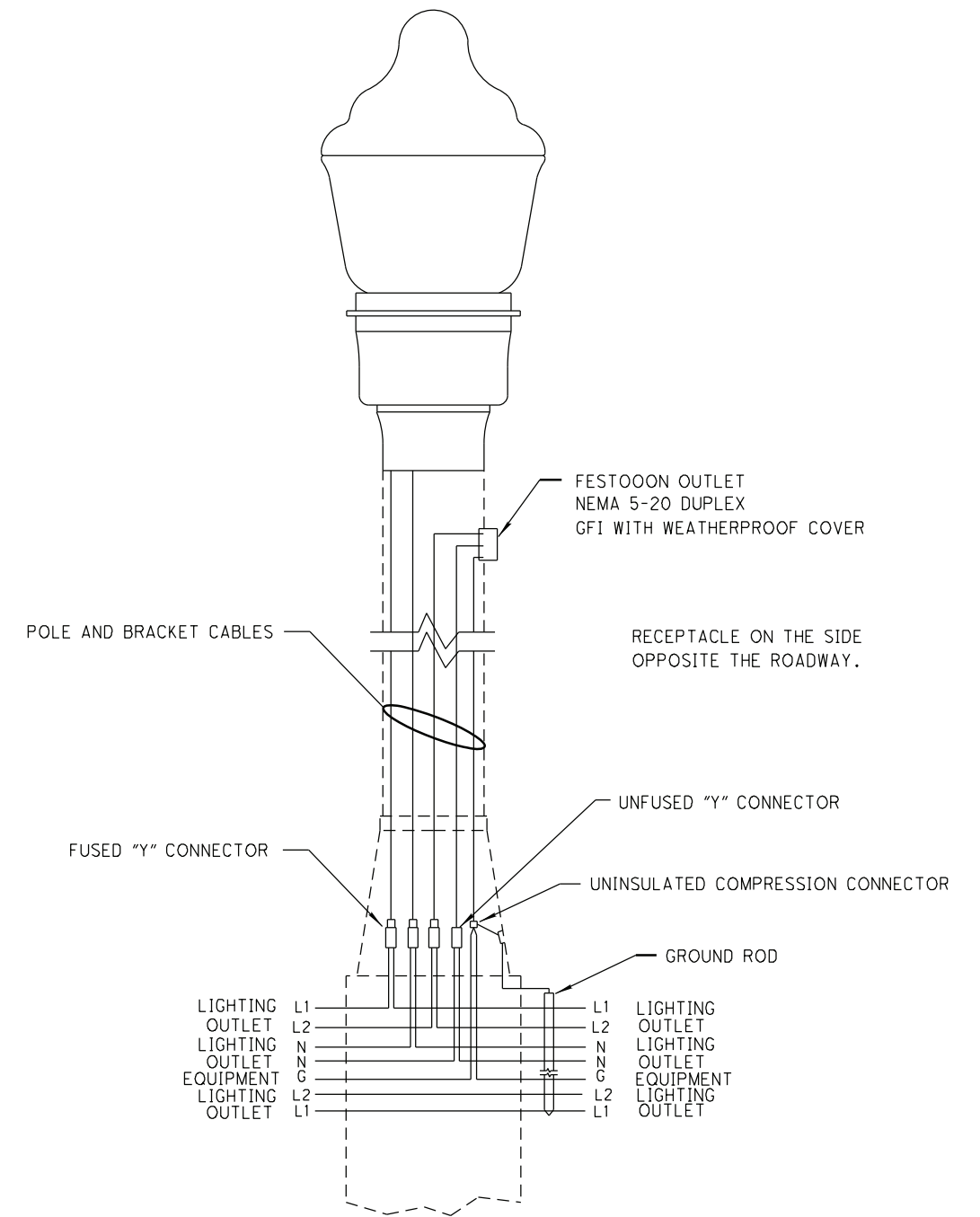


FUSED DISCONNECT  
3 POLE SWITCH, 30 AMP  
WITH 30 AMP FUSES  
UNLESS NOTED OTHERWISE

120 VOLT  
277 VOLT CONNECTIONS

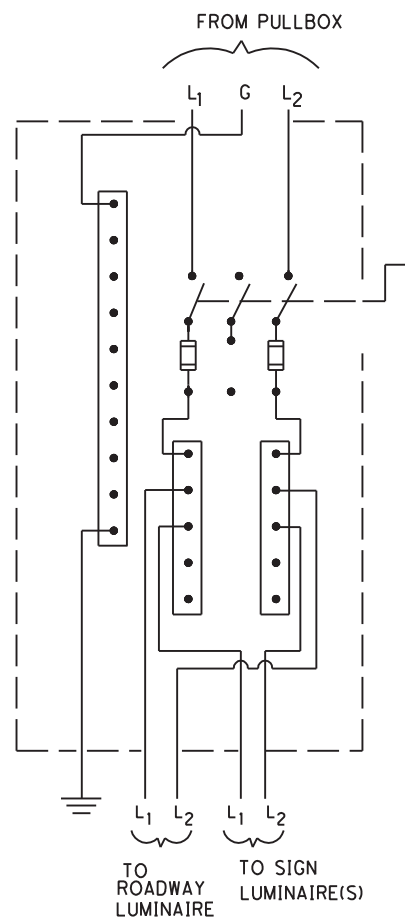


WIRING FOR TWIN-LUMINAIRE POLES



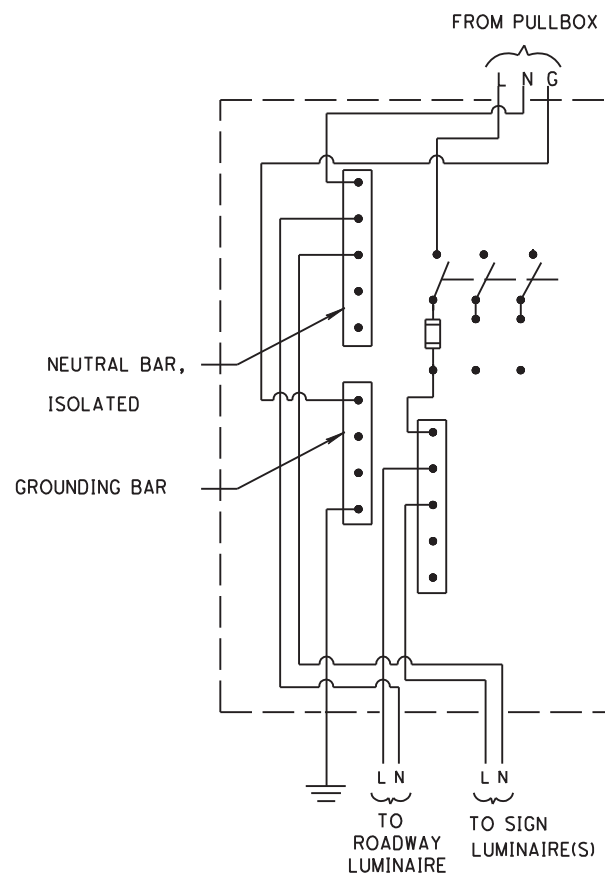
POLE WIRING- LIGHT POLE WITH FESTOON OUTLET

ODD NUMBERED POLE SHOWN. FOR EVEN NUMBERED POLES,  
REVERSE L1 AND L2 ON BOTH THE LIGHTING CIRCUIT AND  
THE OUTLET CIRCUIT.



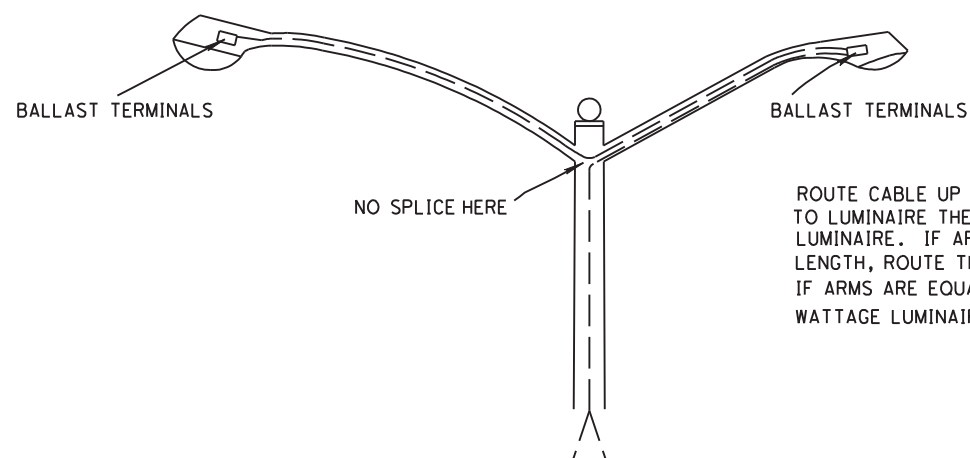
FUSED DISCONNECT  
3 POLE SWITCH, 30 AMP  
WITH 30 AMP FUSES  
UNLESS NOTED OTHERWISE

120/240 VOLT  
240/480 VOLT CONNECTIONS  
277/480 VOLT



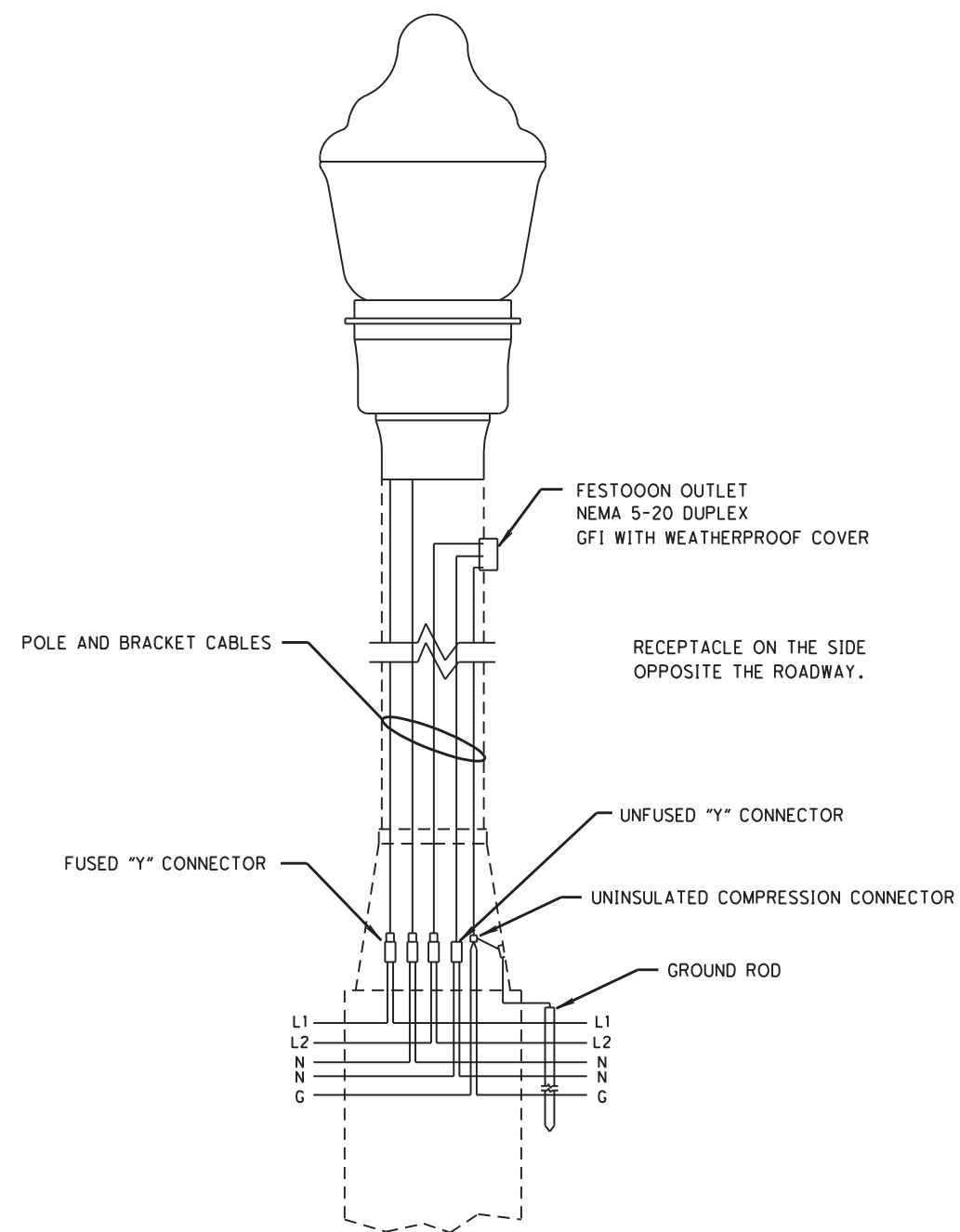
FUSED DISCONNECT  
3 POLE SWITCH, 30 AMP  
WITH 30 AMP FUSES  
UNLESS NOTED OTHERWISE

120 VOLT  
277 VOLT CONNECTIONS



WIRING FOR TWIN-LUMINAIRE POLES

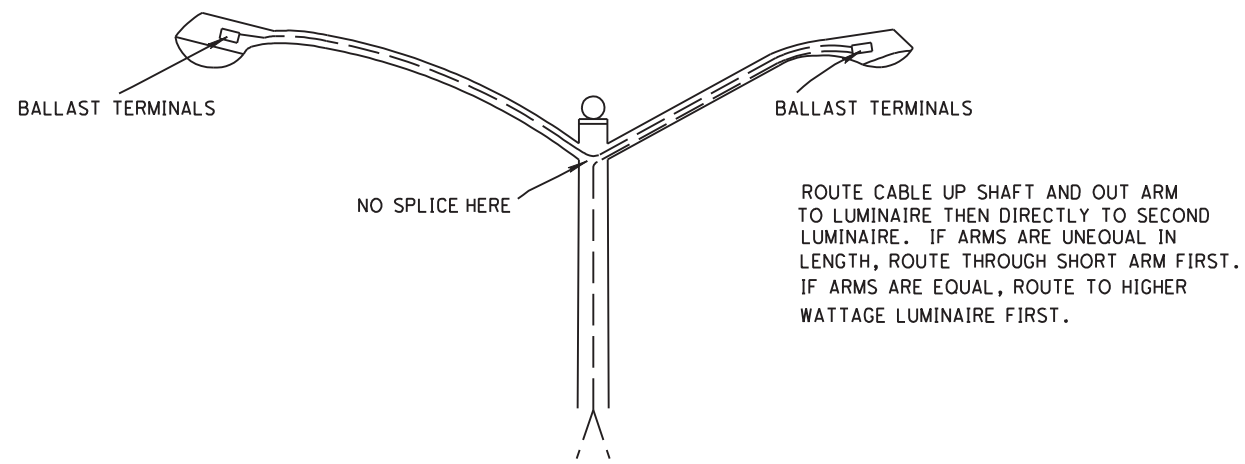
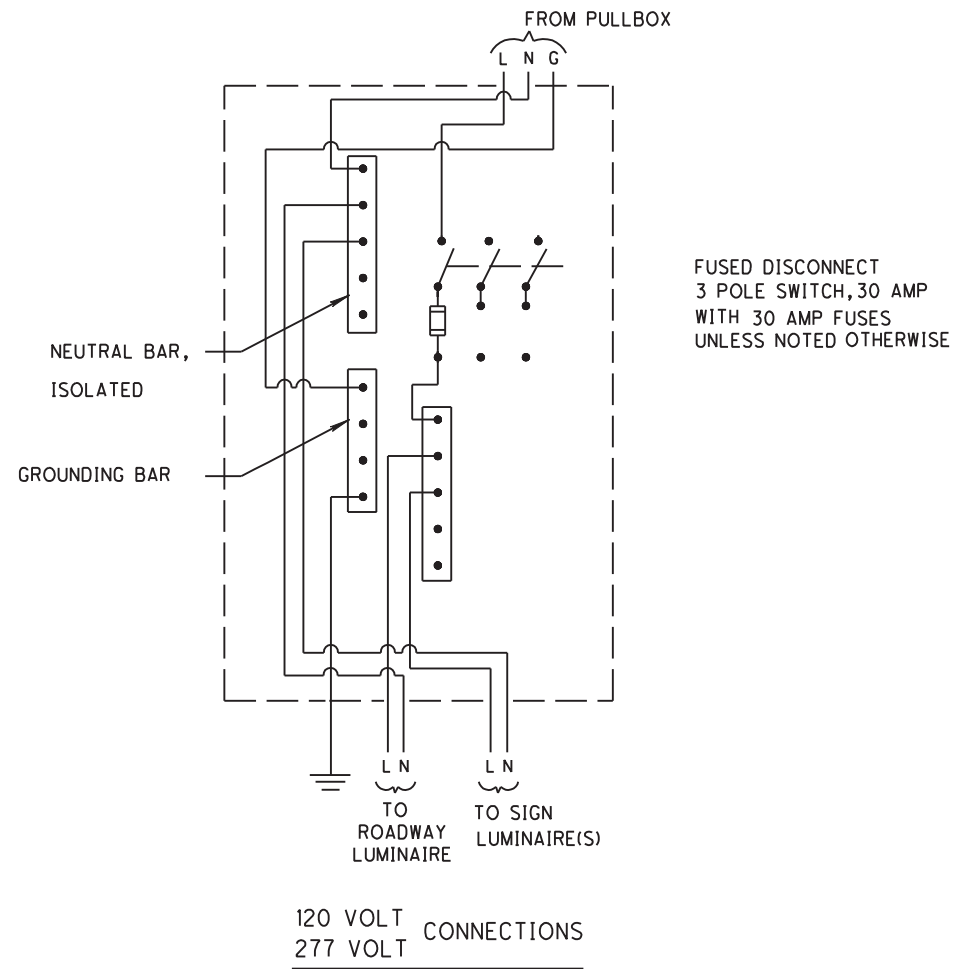
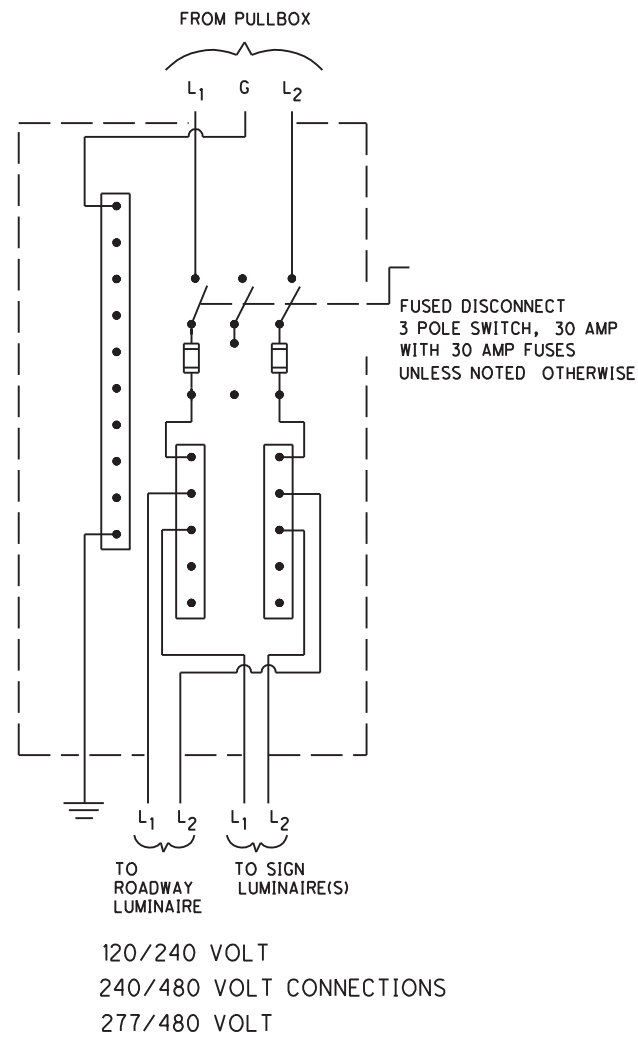
ROUTE CABLE UP SHAFT AND OUT ARM  
TO LUMINAIRE THEN DIRECTLY TO SECOND  
LUMINAIRE. IF ARMS ARE UNEQUAL IN  
LENGTH, ROUTE THROUGH SHORT ARM FIRST.  
IF ARMS ARE EQUAL, ROUTE TO HIGHER  
WATTAGE LUMINAIRE FIRST.



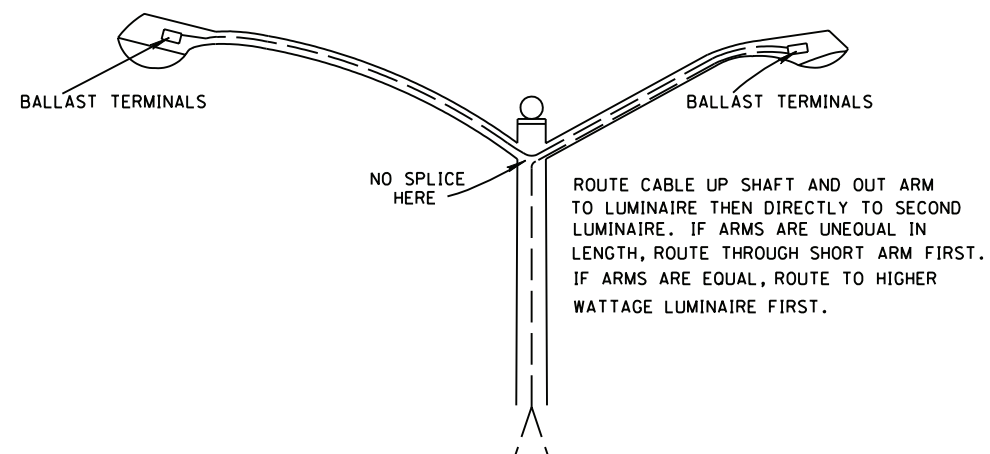
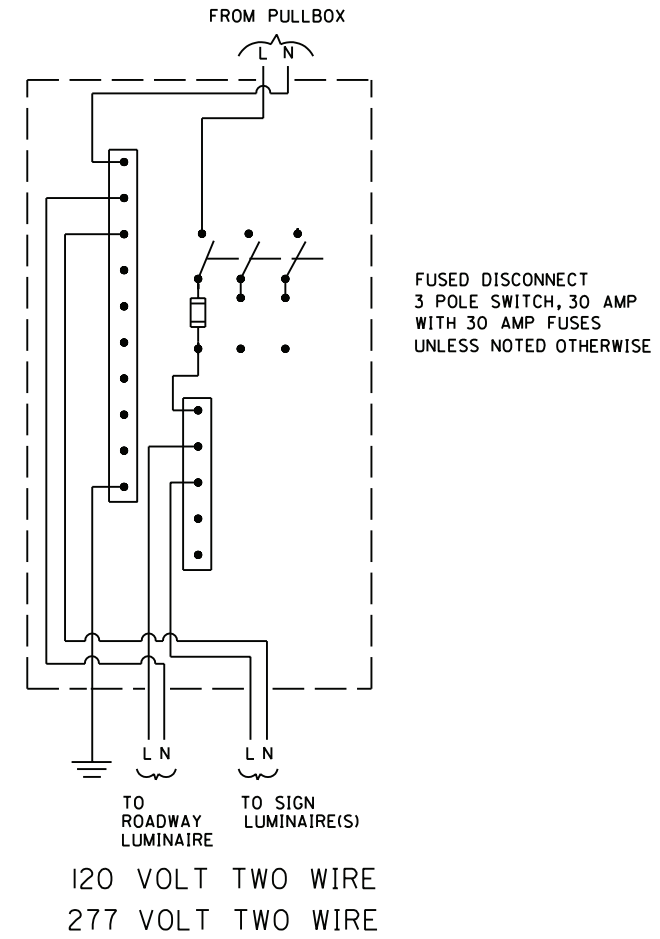
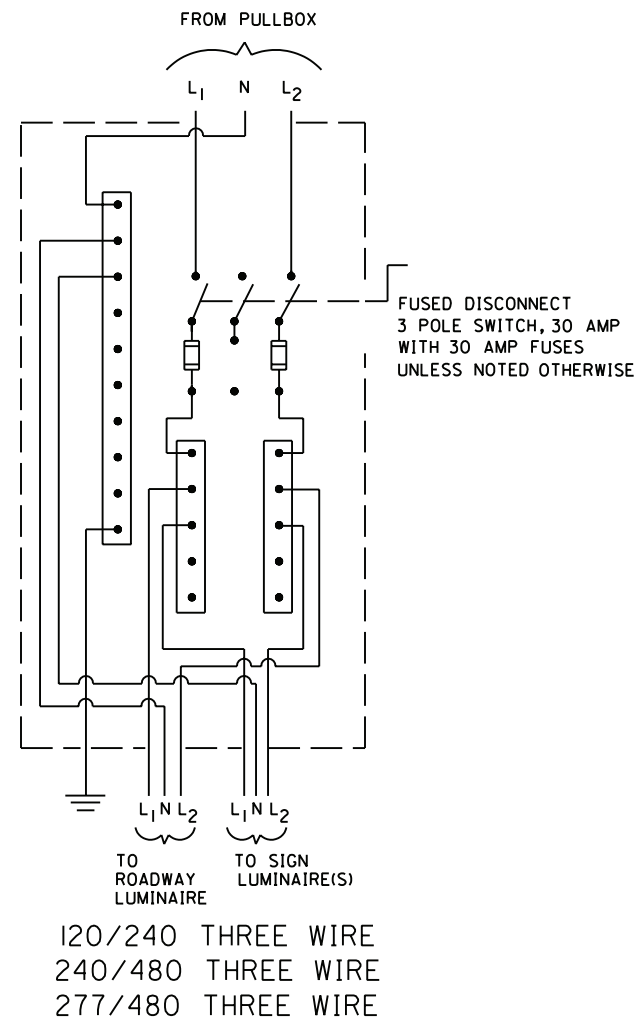
POLE WIRING- LIGHT POLE WITH FESTOON OUTLET

ODD NUMBERED POLE SHOWN  
REVERSE L1 AND LG ON EVEN NUMBERED POLE

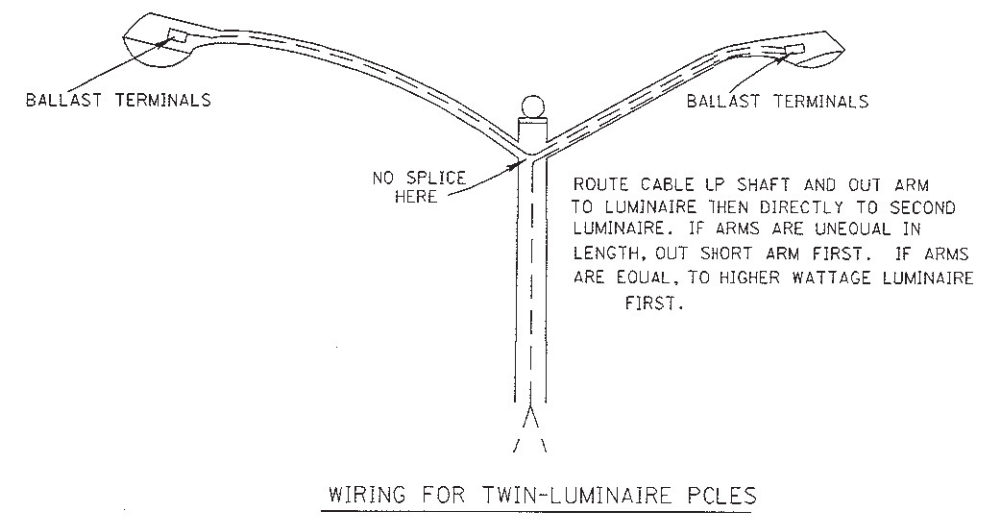
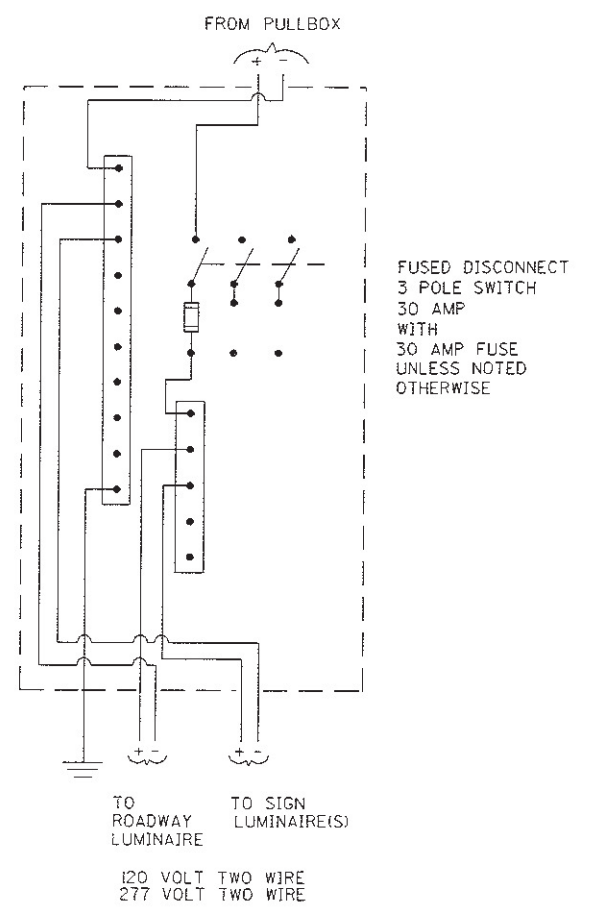
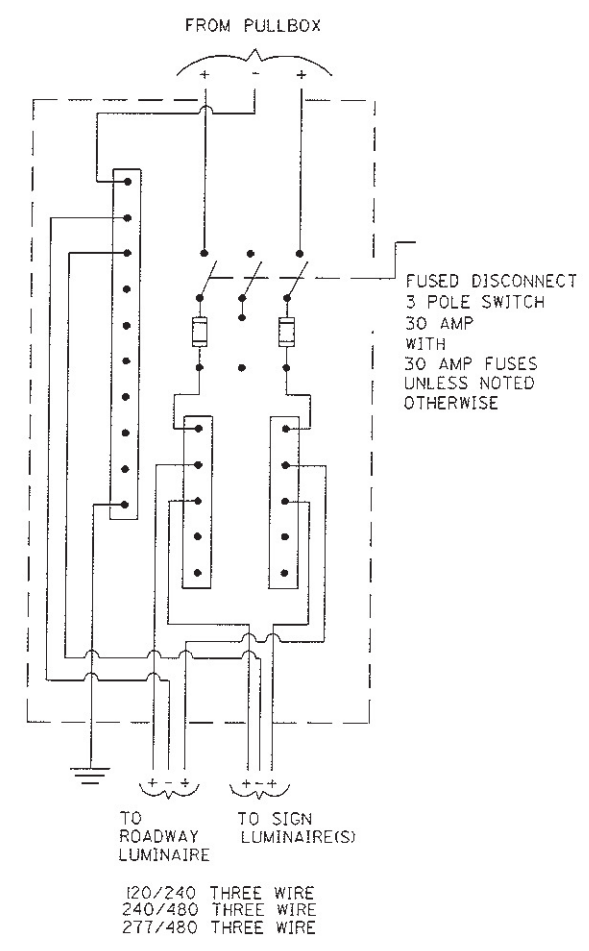


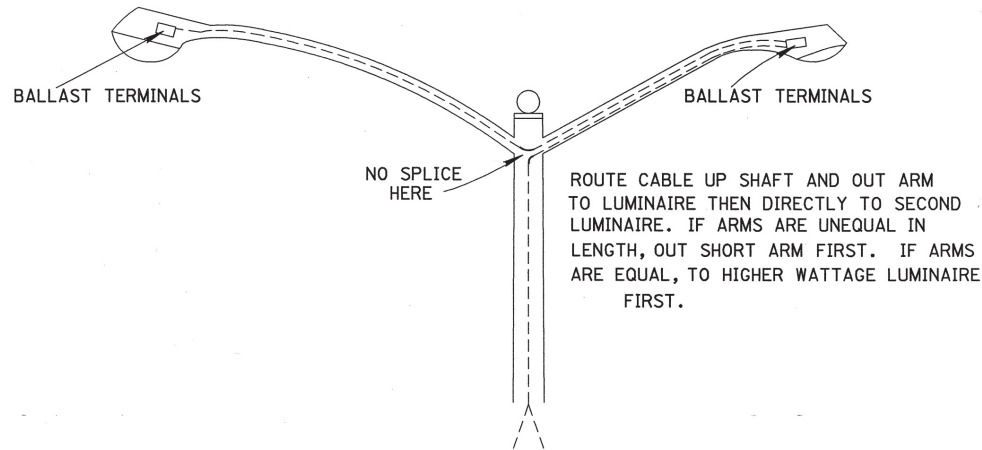


WIRING FOR TWIN-LUMINAIRE POLES

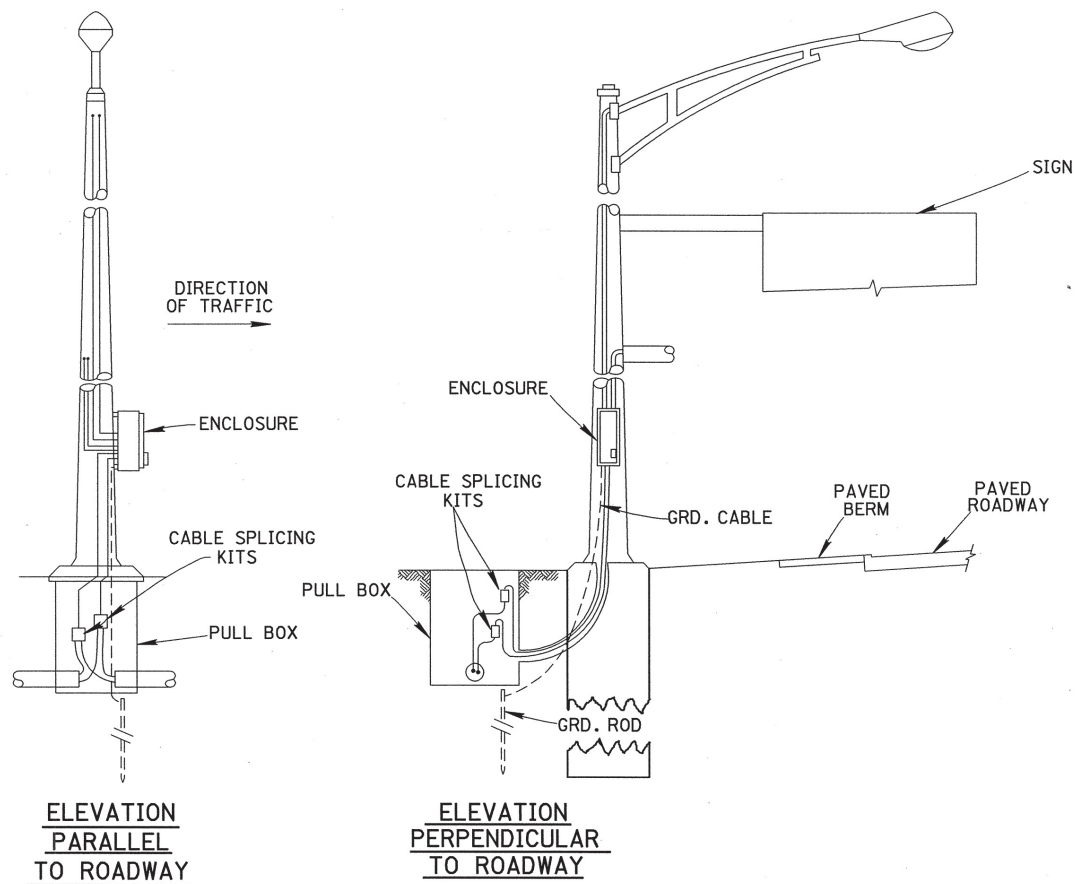


WIRING FOR TWIN-LUMINAIRE POLES

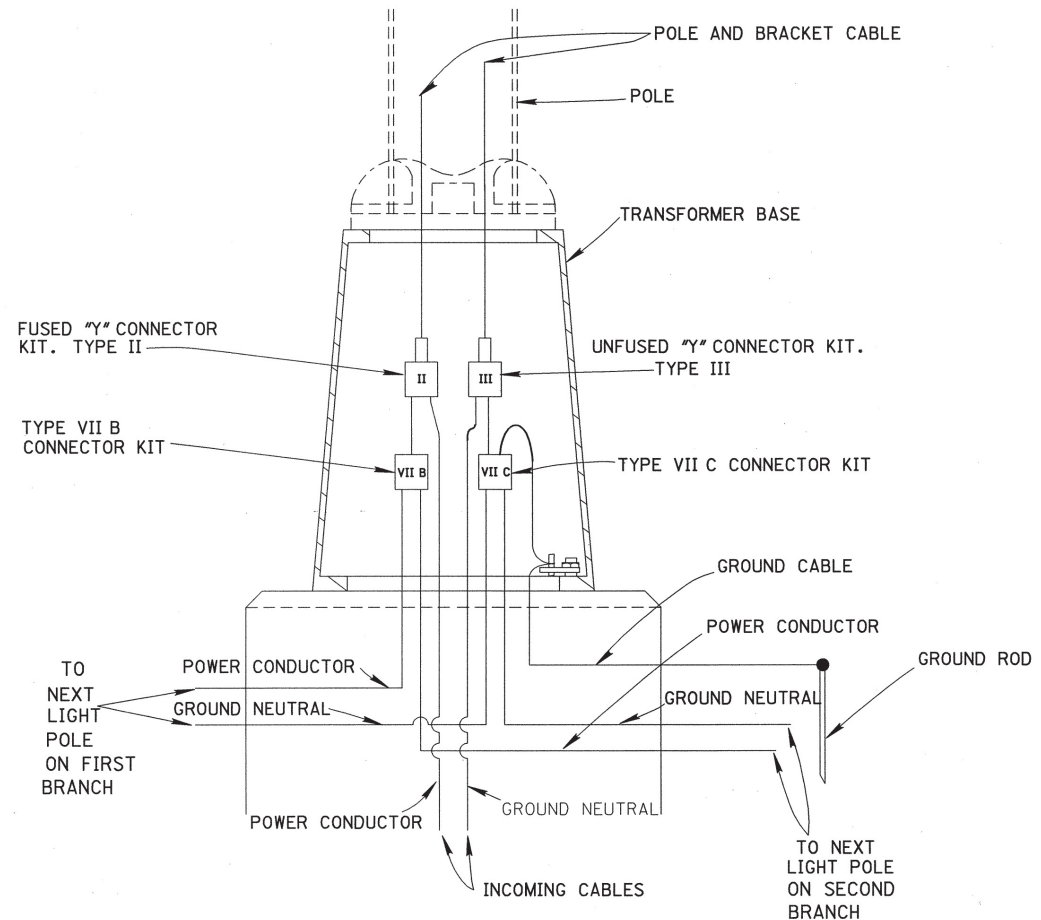




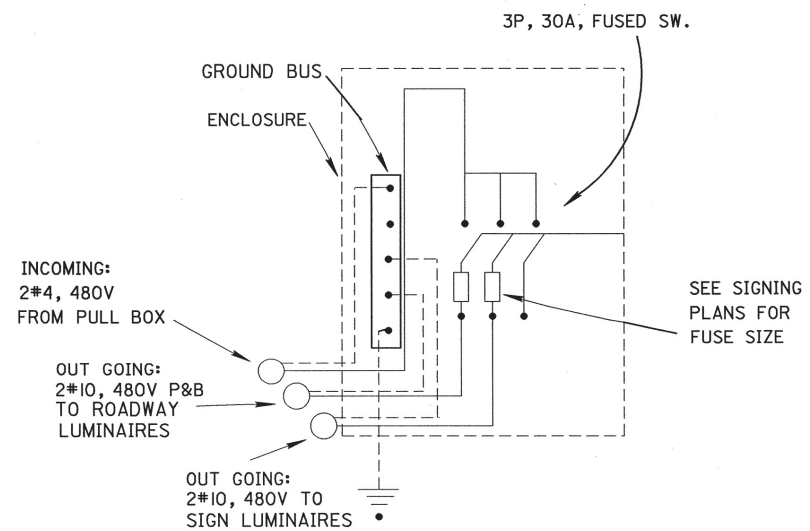
**WIRING FOR TWIN-LUMINAIRE POLES**



**WIRING FOR COMBINATION LIGHT AND SIGN POLE**



**POLE BASE WIRING FOR CIRCUIT BRANCH (2-WIRE, GROUNDED NEUTRAL SHOWN)**

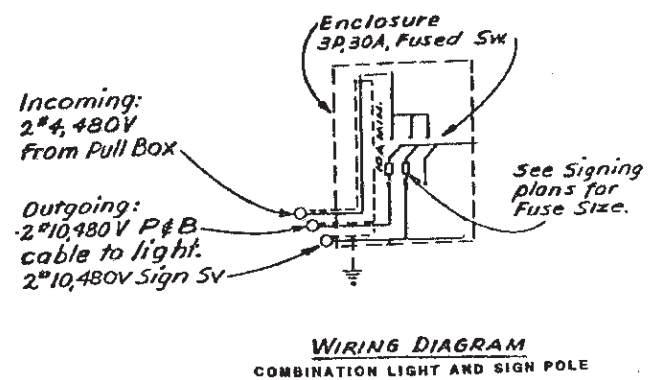
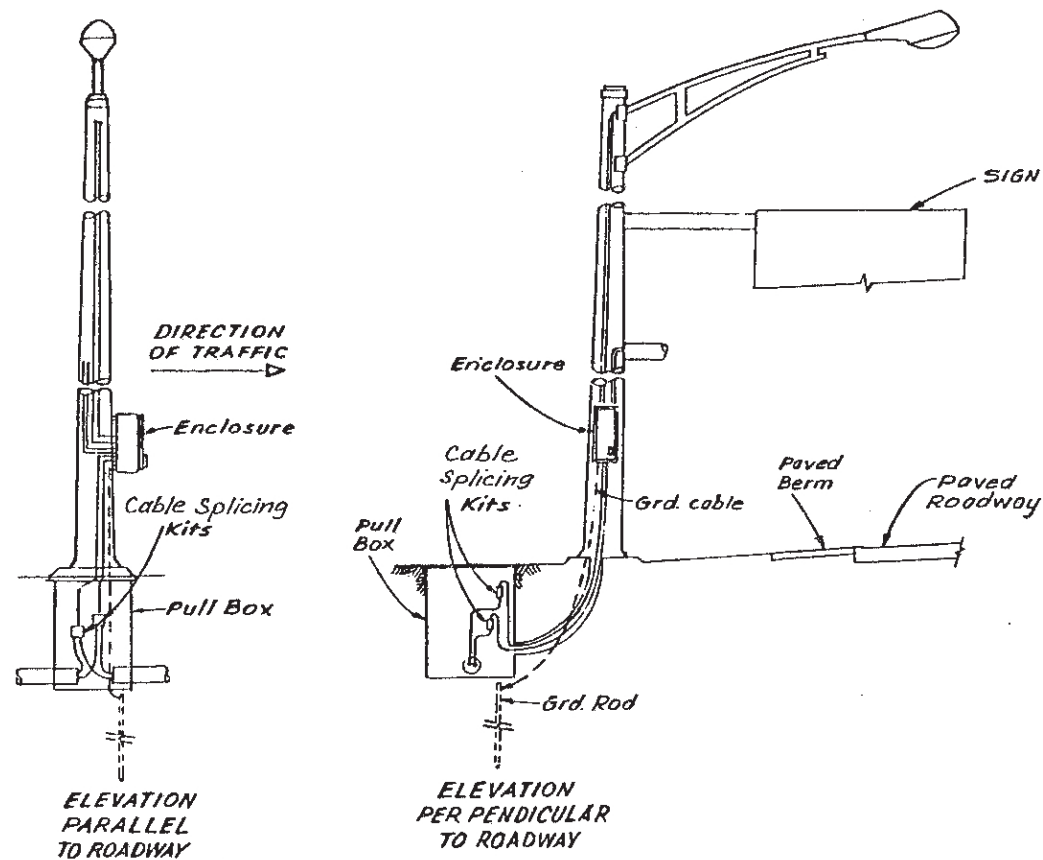
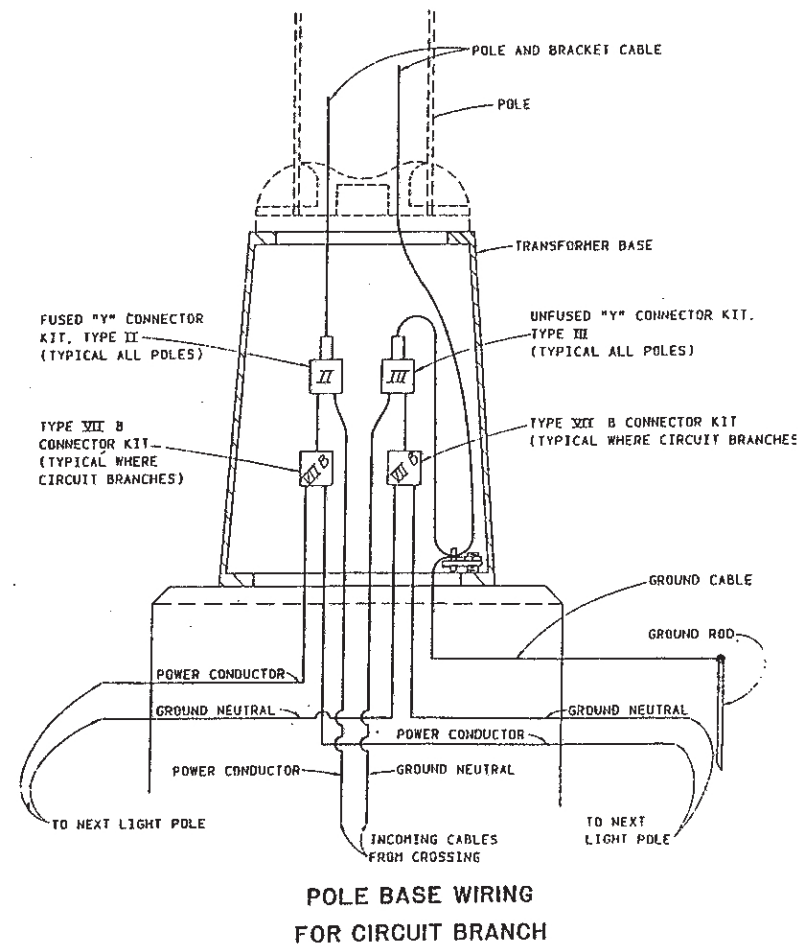
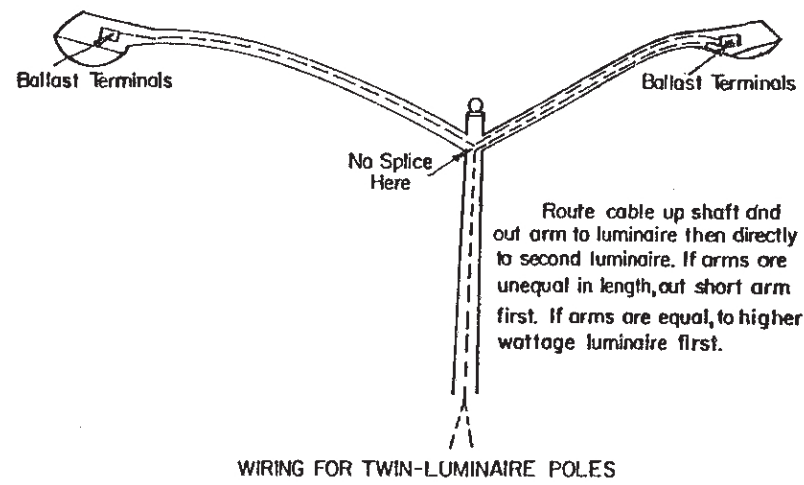


**WIRING DIAGRAM COMBINATION LIGHT AND SIGN POLE (2-WIRE, GROUNDED NEUTRAL SHOWN)**



**metric units**

OFFICE OF TRAFFIC ENGINEERING DIVISION OF ENGINEERING POLICY OHIO DEPARTMENT OF TRANSPORTATION	
HIGHWAY LIGHTING	DATE 03/31/95
POLE WIRING II	
STANDARD CONSTRUCTION DRAWING	HL-60.12M
APPROVED <i>anyalamb</i> ADMINISTRATOR	



WIRING FOR COMBINATION LIGHT AND SIGN POLE

BUREAU OF DESIGN SERVICES DIVISION OF HIGHWAYS OHIO DEPARTMENT OF TRANSPORTATION	
HIGHWAY LIGHTING	DATE 5-1-87
POLE WIRING II	
STANDARD CONSTRUCTION DRAWING	HL-60.12
APPROVED <i>[Signature]</i>	Engr. of Design Services