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.

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

RING \geq POLE

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REVISIONS 07-21-2023 07-16-2021 01-15-2021 04-17-2020 07-15-2016 01-17-2014 10-21-2011 10-19-2007...

STDS ENGINEER DUEMMEL

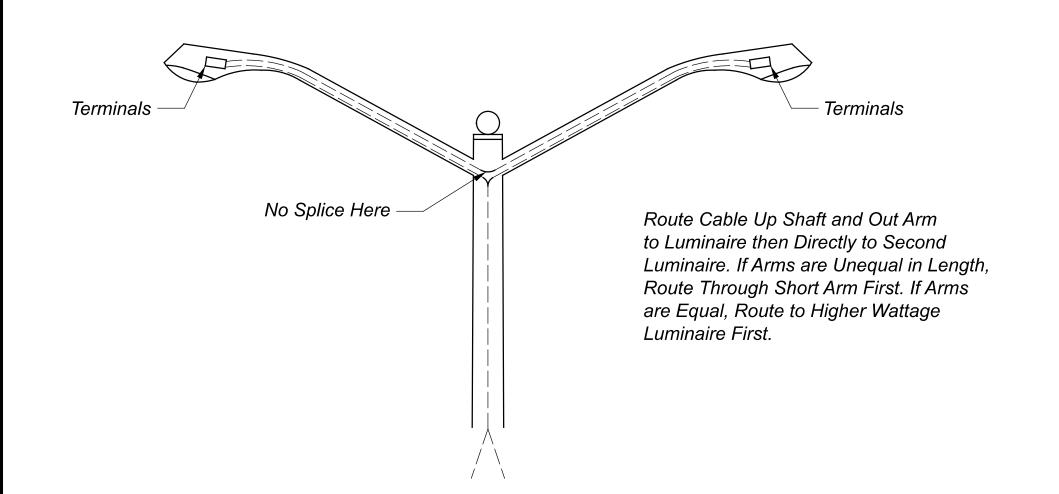
KOENIG

ADAM

DESIGN AGENCY

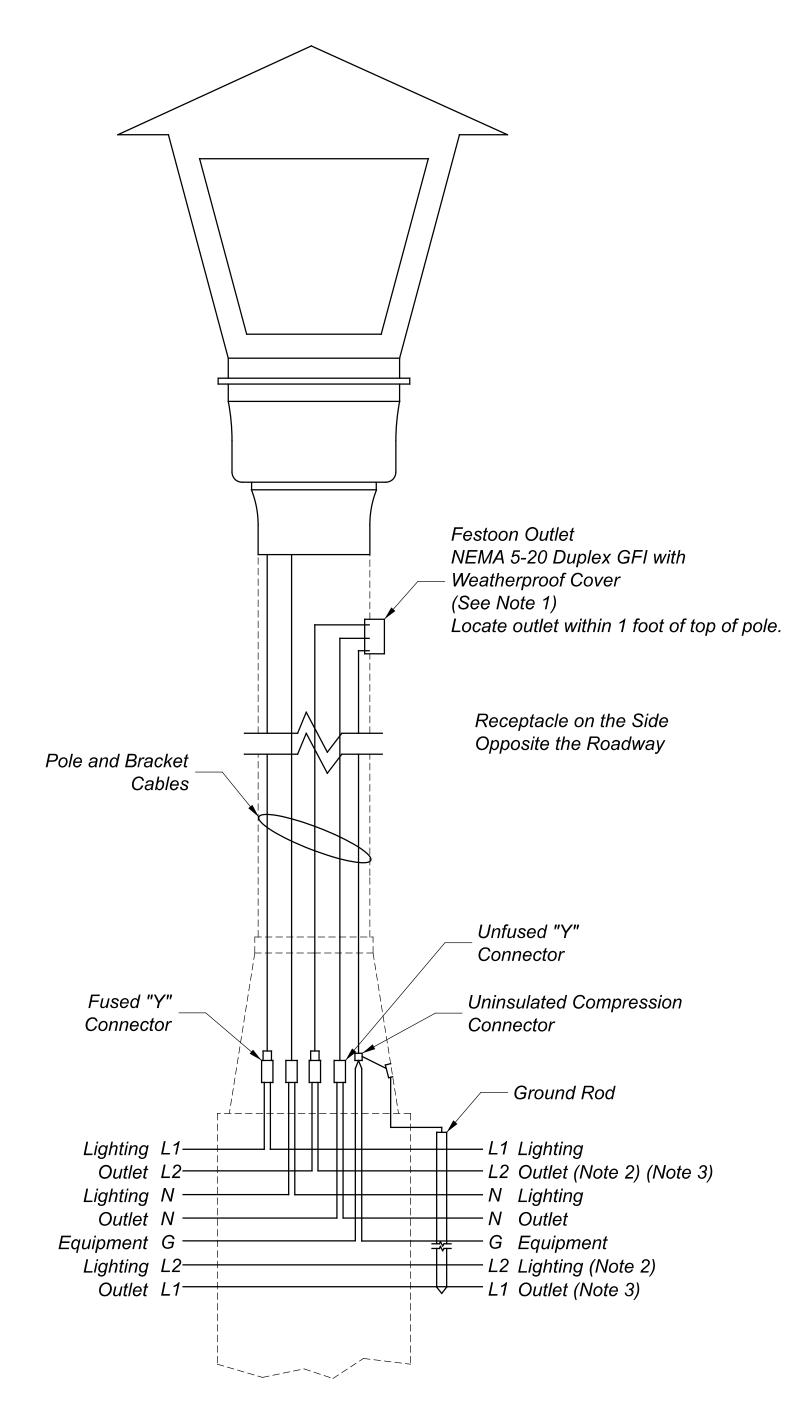


CD NUMBER HL-60.12



WIRING FOR TWIN-LUMINAIRE POLES

HL-60.12



POLE WIRING - LIGHT POLE WITH FESTOON OUTLET

Odd Numbered Pole Shown. For Even Numbered Poles, Reverse L, and L₂ 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.

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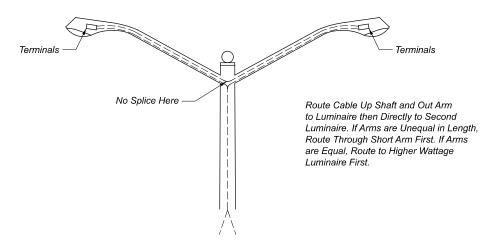
Brenton Bogard

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.

NOTES:

the outlet face.

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

Festoon Outlet NEMA 5-20 Duplex GFI with Weatherproof Cover (See Note 1) Locate outlet within 1 foot of top of pole. Receptacle on the Side Opposite the Roadway Pole and Bracket Cables Unfused "Y" Connector Fused "Y" Uninsulated Compression Connector Connector - Ground Rod Lighting L1-- L1 Lighting Outlet L2-- L2 Outlet (Note 2) (Note 3) Lighting N -− N Lighting Outlet N -−N Outlet Equipment G -−G Equipment . . Lighting L2– - L2 Lighting (Note 2) Outlet L1 L1 Outlet (Note 3)

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.

DESIGN AGENCY



POLE WIRING II

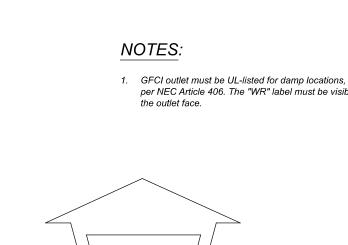
HL-60.12

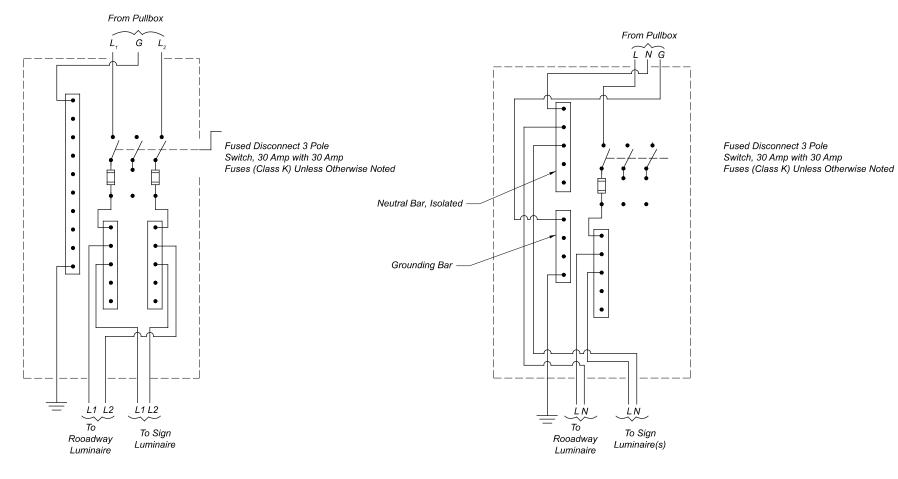
OFFICE OF ROADWAY

ENGINEERING

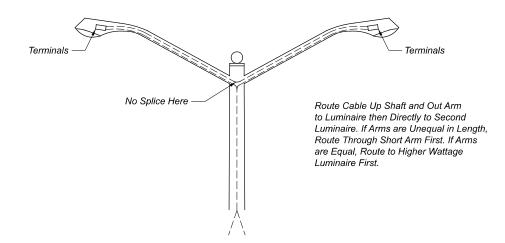


HL-60.12





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



WIRING FOR TWIN-LUMINAIRE POLES

Festoon Outlet NEMA 5-20 Duplex GFI with Weatherproof Cover (See Note 1) Receptacle on the Side Opposite the Roadway Pole and Bracket Cables

Unfused "Y" Connector

Uninsulated Compression

- Ground Rod

– L1 Lighting

- N Lighting

- L2 Lighting

– L1 Outlet

– L2 Outlet

- N Outlet −G Equipment

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.

Fused "Y"

Lighting L1

Lighting N

Equipment G

Outlet N

. . Lighting L2-Outlet L1

Outlet L2-

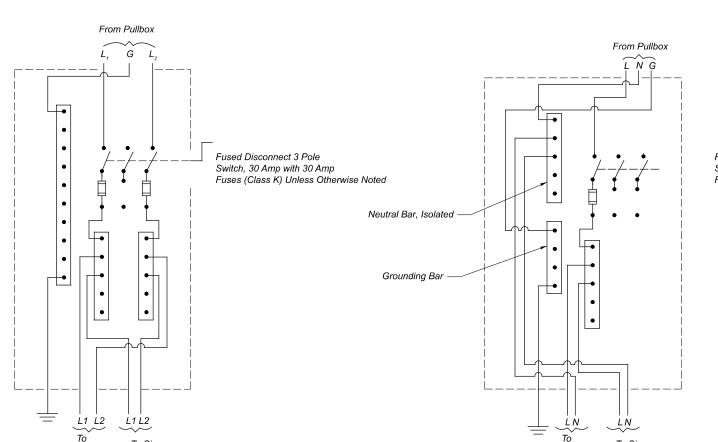
Connector

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

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ENGINEERING

HL-60.12



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

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

Rooadway

To Sign

Luminaire

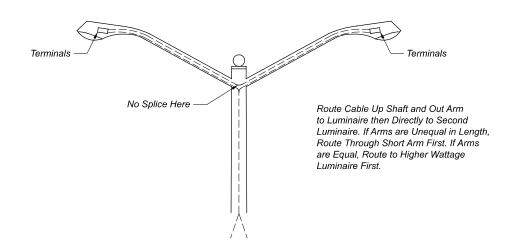
120 VOLT CONNECTIONS 277 VOLT CONNECTIONS

To Sign

Luminaire(s)

Το

Rooadway



WIRING FOR TWIN-LUMINAIRE POLES

POLE WIRING - LIGHT POLE WITH FESTOON OUTLET

NOTES:

the outlet face.

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

Festoon Outlet

(See Note 1)

Weatherproof Cover

Unfused "Y" Connector

Connector

- L1 Lighting

- L2 Outlet

−N Outlet

- N Lighting

−G Equipment

– L2 Lighting

L1 Outlet

Uninsulated Compression

Ground Rod

NEMA 5-20 Duplex GFI with

Receptacle on the Side Opposite the Roadway

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

Pole and Bracket

Fused "Y"

Connector

Lighting L1-Outlet L2-

Lighting N

Equipment G

Outlet N

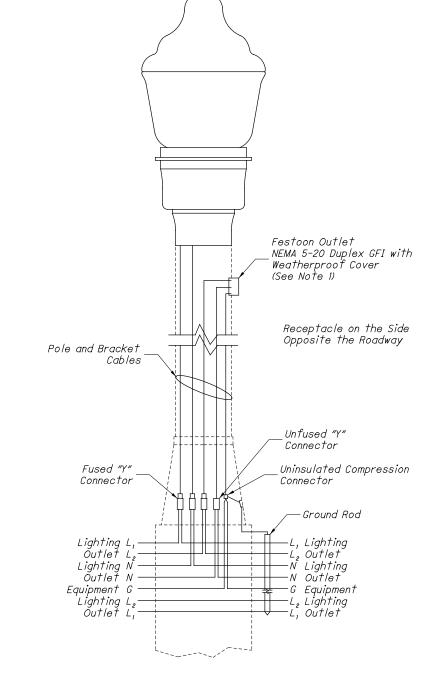
Lighting L2-

Outlet L1-

NOTES:

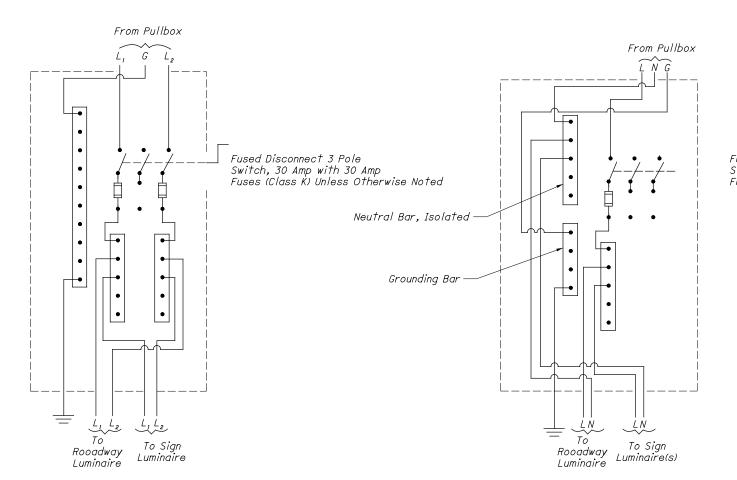
1. GFCI outlet must be UL-listed for damp locations,
per NEC Article 406. The "WR" label must be visible on
the outlet face.

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



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

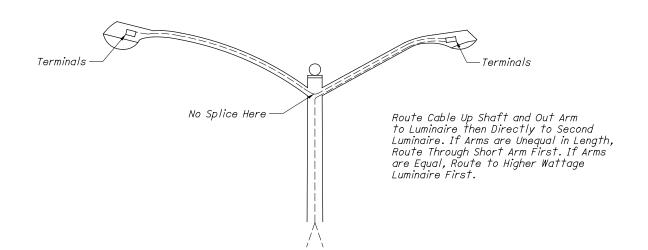


120/240 VOLT CONNECTIONS 240/480 VOLT CONNECTIONS 277/480 VOLT CONNECTIONS

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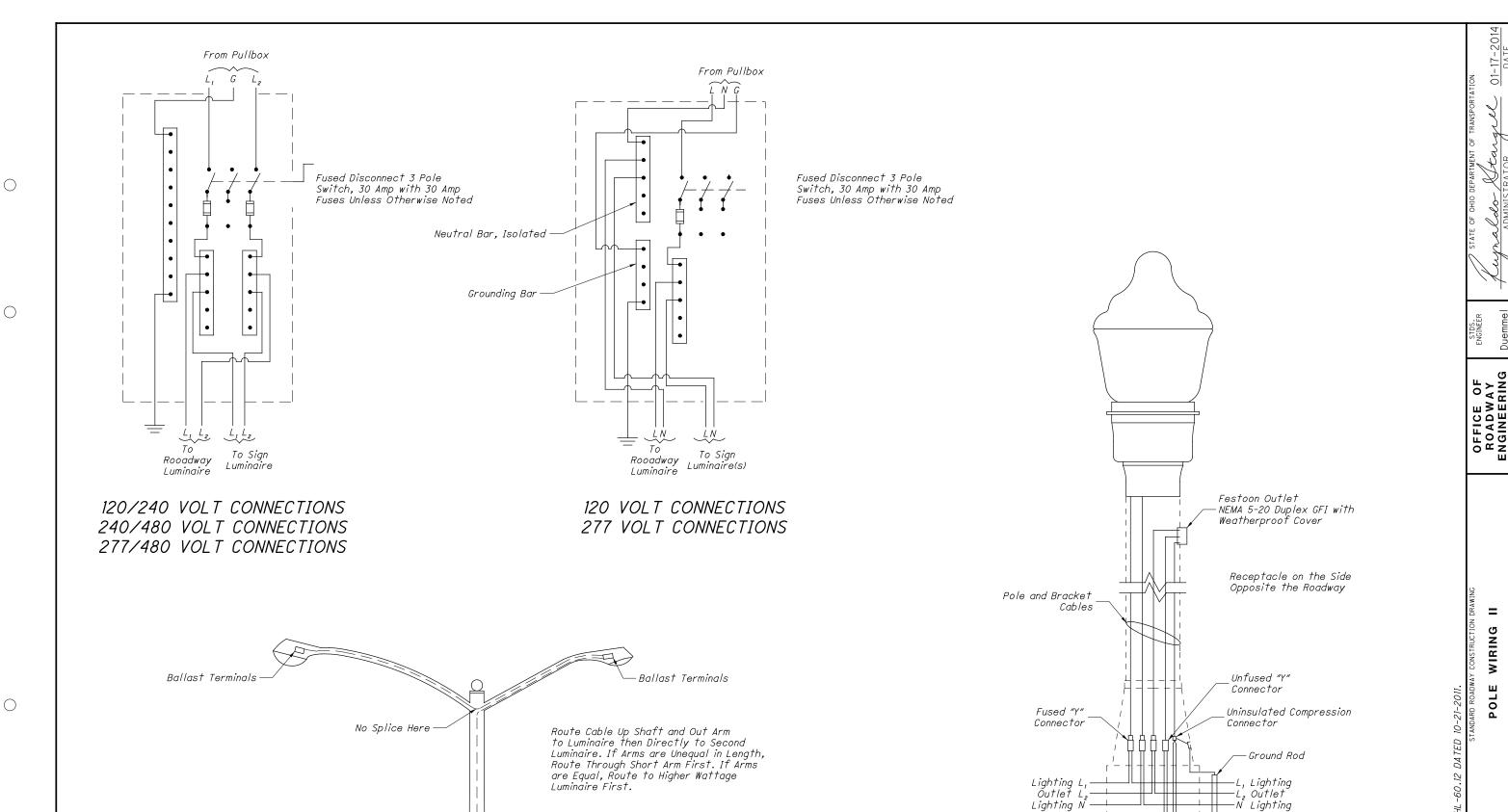
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120 VOLT CONNECTIONS
277 VOLT CONNECTIONS



WIRING FOR TWIN-LUMINAIRE POLES

1 1/



WIRING FOR TWIN-LUMINAIRE POLES

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POLE WIRING - LIGHT POLE WITH FESTOON OUTLET

−N Oŭtlet`

-G Equipment

-L, Lighting -L, Outlet

-60.12

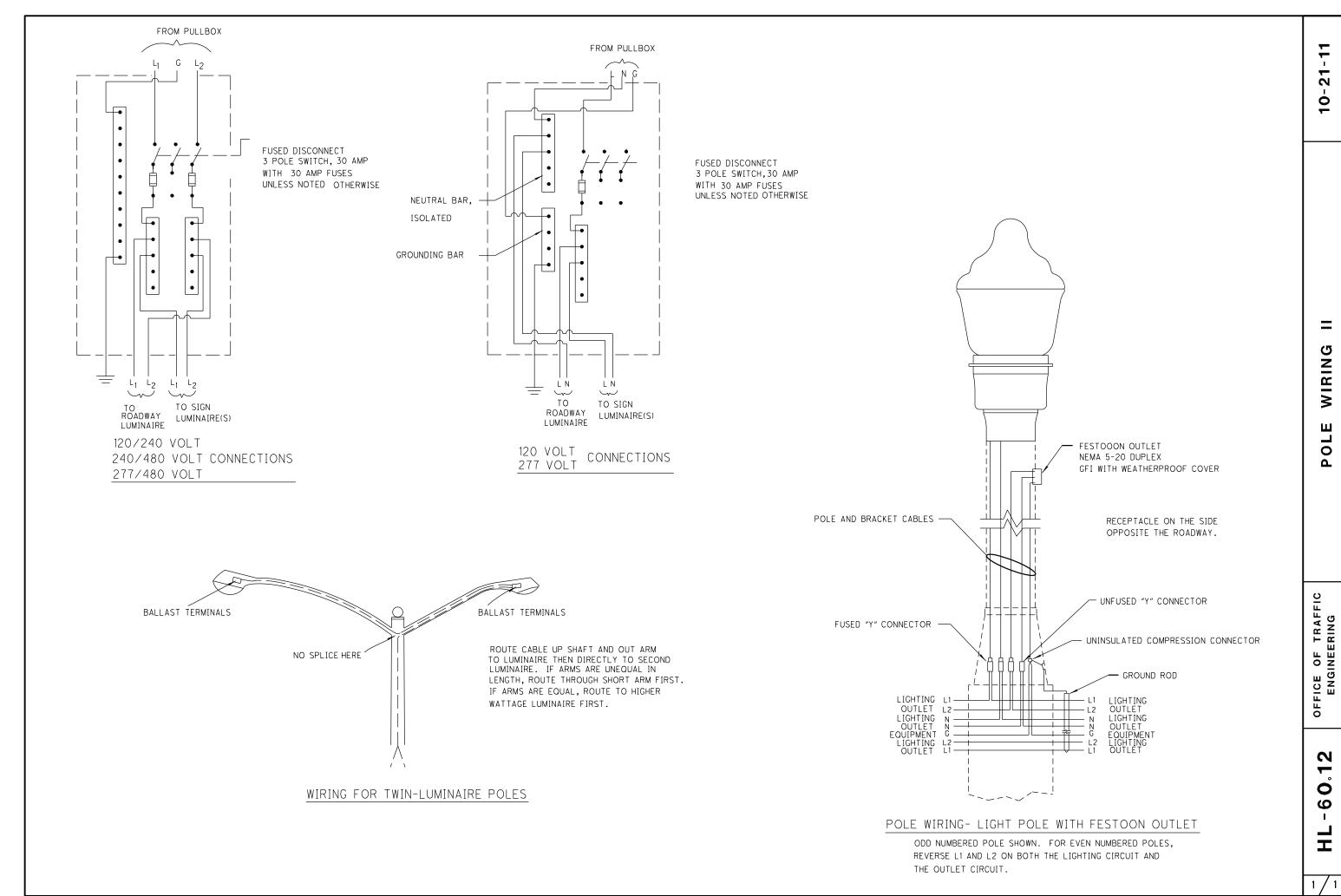
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Outlet N

Equipment G -

Lighting L₂ Outlet L,

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

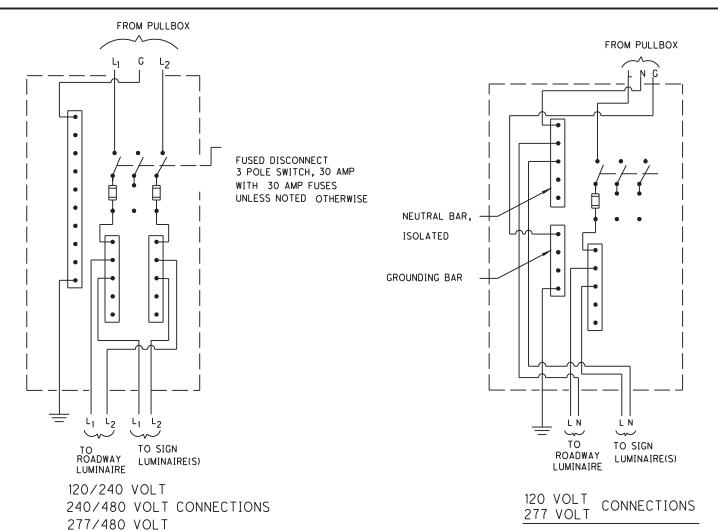




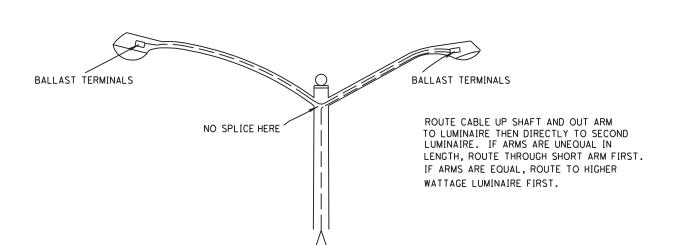
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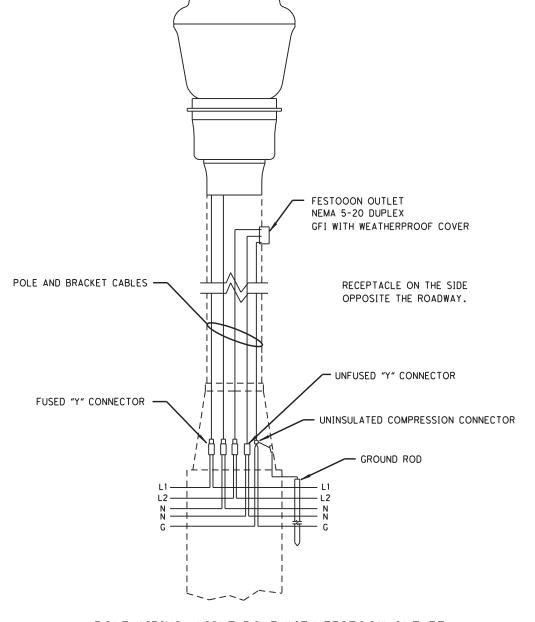
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FUSED DISCONNECT 3 POLE SWITCH, 30 AMP WITH 30 AMP FUSES UNLESS NOTED OTHERWISE



WIRING FOR TWIN-LUMINAIRE POLES

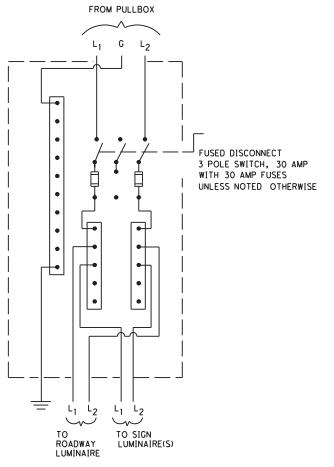


POLE WIRING- LIGHT POLE WITH FESTOON OUTLET

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



3



NEUTRAL BAR,
ISOLATED

GROUNDING BAR

TO
ROADWAY
LUMINAIRE

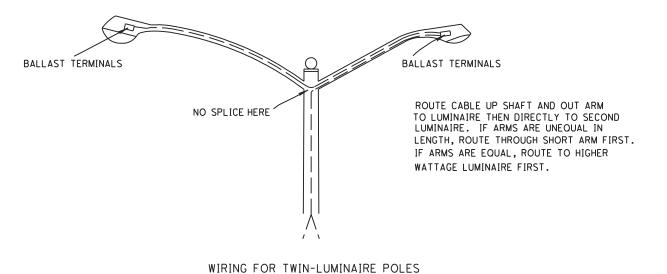
FROM PULLBOX

TO SIGN
LUMINAIRE(S)

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

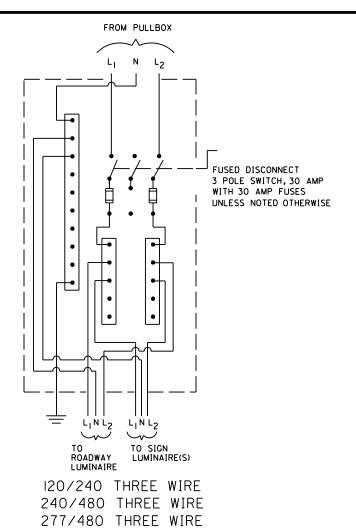
120/240 VOLT 240/480 VOLT CONNECTIONS 277/480 VOLT

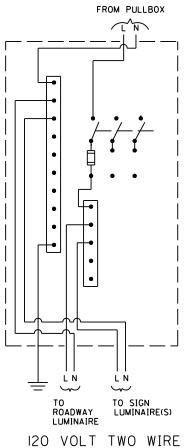
120 VOLT CONNECTIONS





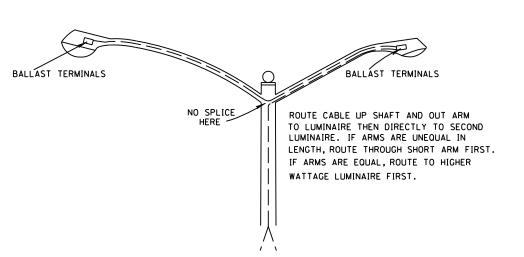
WIRING II





277 VOLT TWO WIRE

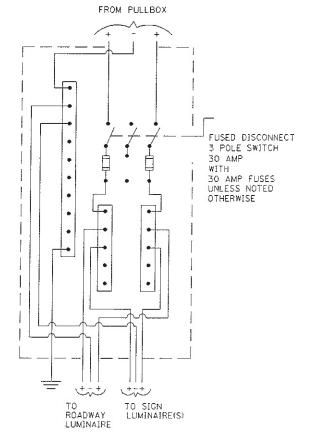
FUSED DISCONNECT 3 POLE SWITCH, 30 AMP WITH 30 AMP FUSES UNLESS NOTED OTHERWISE



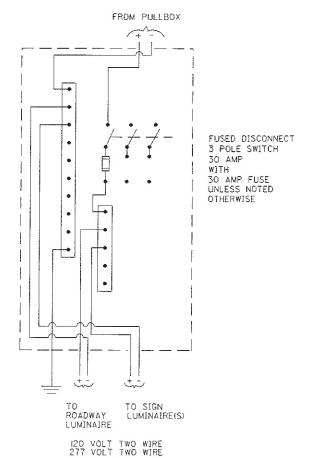
WIRING FOR TWIN-LUMINAIRE POLES

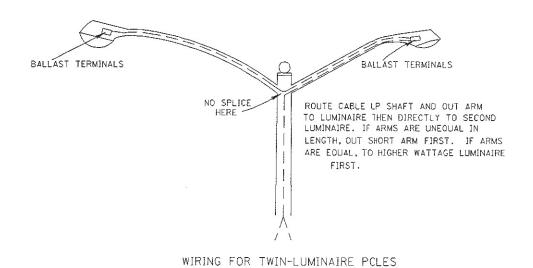
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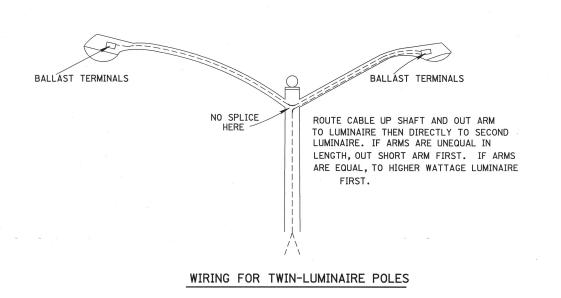
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120/240 THREE WIRE 240/480 THREE WIRE 277/480 THREE WIRE





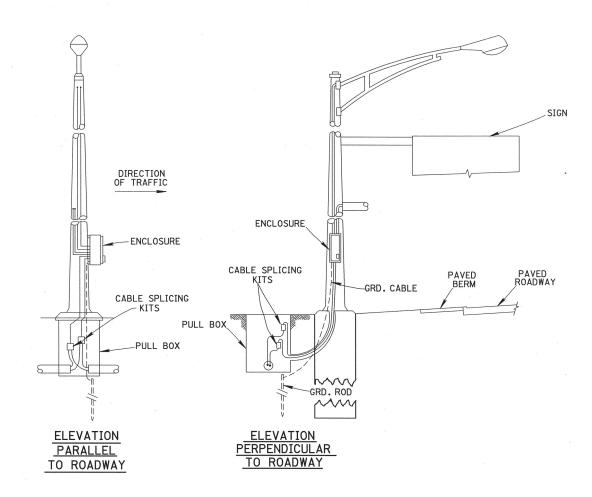


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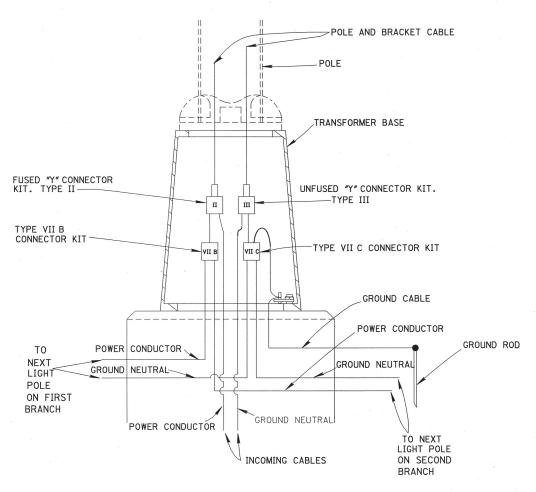
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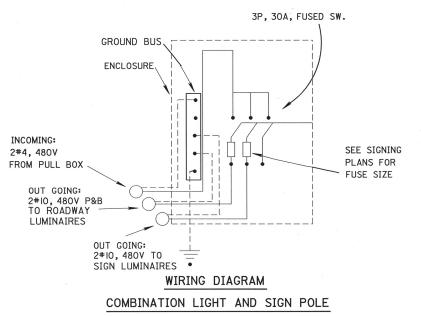
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WIRING FOR COMBINATION LIGHT AND SIGN POLE



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

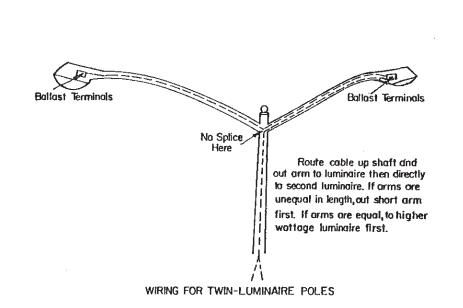


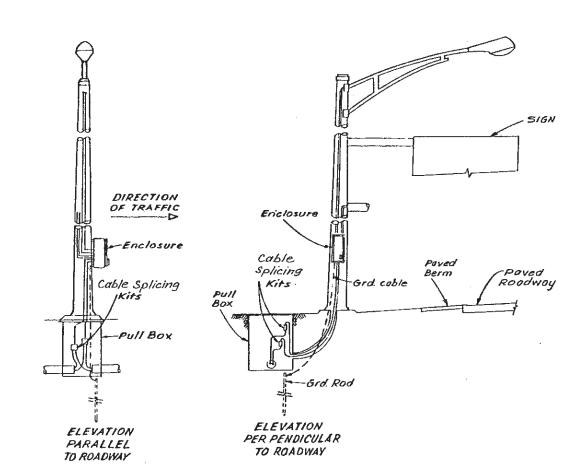
(2-WIRE, GROUNDED NEUTRAL SHOWN)

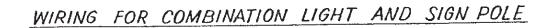


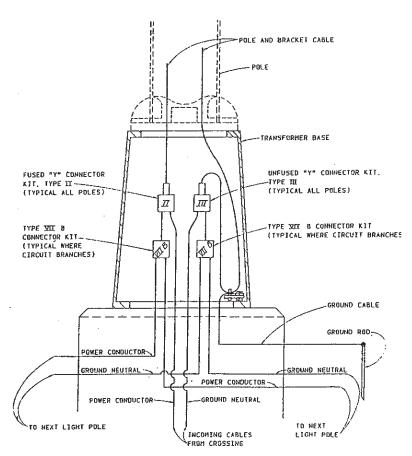
OFFICE OF TRAFFIC ENGINEERING DIVISION OF ENGINEERING POLICY OHIO DEPARTMENT OF TRANSPORTATION

HIGHWAY LIGHTING POLE WIRING II STANDARD CONSTRUCTION HL-60.12M DRAWING

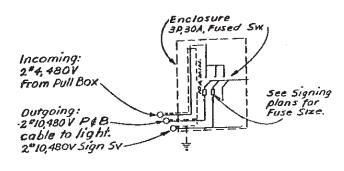








POLE BASE WIRING FOR CIRCUIT BRANCH



WIRING DIAGRAM COMBINATION LIGHT AND SIGN POLE

BUREAU OF DESIGN SERVICES

DIVISION OF HIGHWAYS
OHIO DEPARTMENT OF TRANSPORTATION

HIGHWAY LIGHTING

POLE WIRING II

STANDARD CONSTRUCTION HL-60.12

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