
ORIGINATION FORM

Proposed Revisions to a Standard Plans Index
(Please provide all information — Incomplete forms will be returned)

Contact Information:

Date: June 16, 2023
Originator: Richard Stepp
Phone: (850) 414-4313
Email: richard.stepp@dot.state.fl.us

Standard Plans:

Index Number: 715-001
Sheet Number (s): 1
Index Title: Conventional Lighting

Summary of the changes:

Sheet 1: Deleted the "Access Panel" drawing and added a "Pole Base" callout on the 'Metal Pole Wiring Detail'.
Added the "Access Door" drawing and a "Pole Base" callout on the 'Metal Pole Detail'.

Commentary / Background:

The details were revised to locate the Access Door on the downstream side of the Pole Base for better consistency with Standard Specifications 715-13.1. The downstream side is relative to the nearest traffic movement.

Other Affected Offices / Documents: (Provide name of person contacted)

Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Standard Plans –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	FDOT Design Manual –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Basis of Estimates Manual –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Standard Specifications –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Approved Product List –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Construction –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Maintenance –

Origination Package Includes: (Submit package to Rick Jenkins)

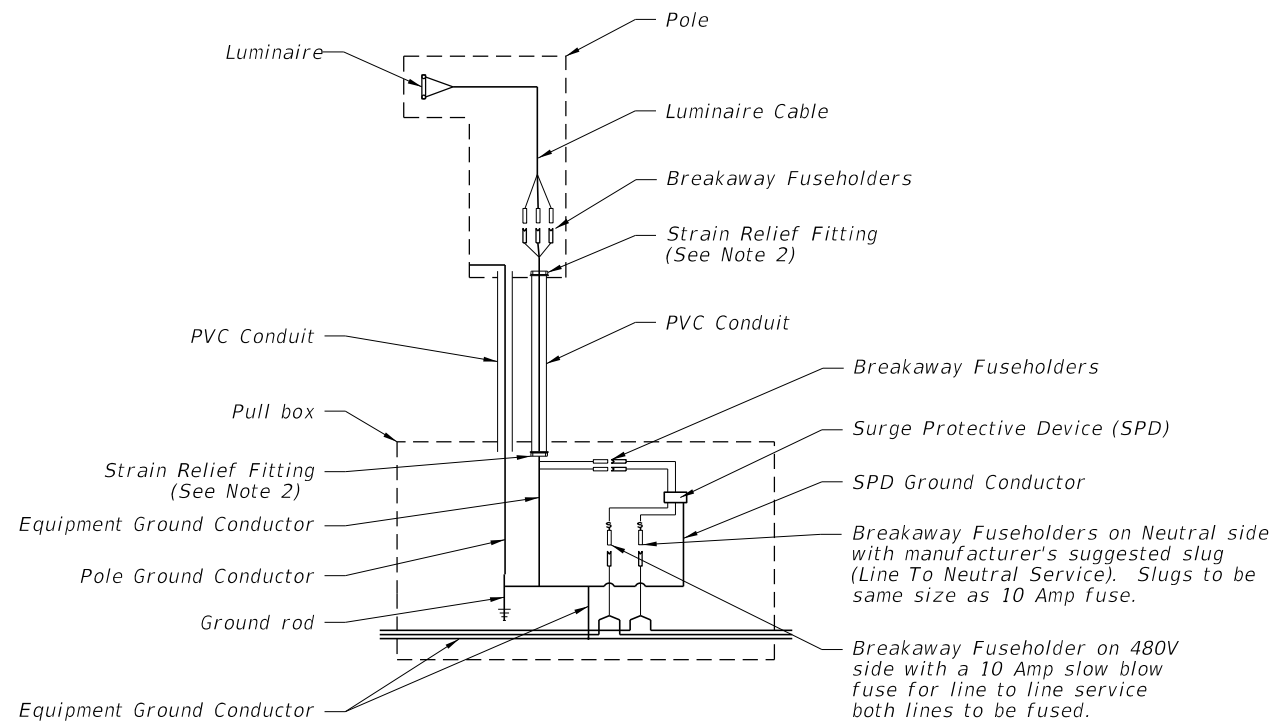
Yes	N/A	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Redline Mark-ups
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Revised or Proposed Standard Plan Instruction (SPI)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Support Documents

Implementation:

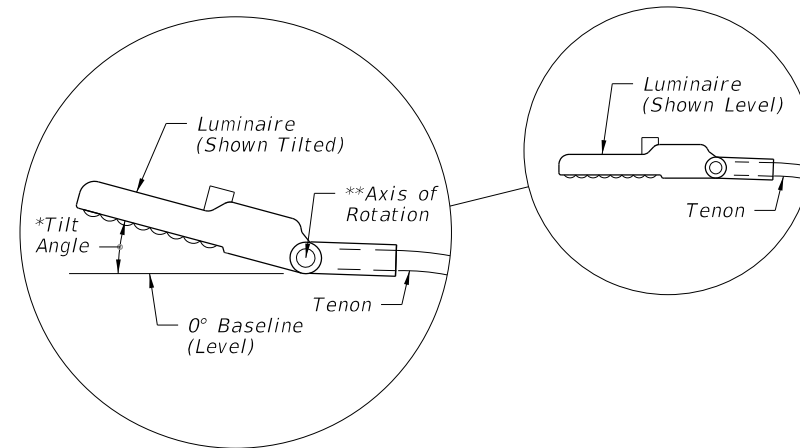
<input type="checkbox"/>	Design Bulletin (Interim)
<input type="checkbox"/>	DCE Memo
<input type="checkbox"/>	Program Mgmt. Bulletin
<input checked="" type="checkbox"/>	FY-Standard Plans (Next Release)

Contact the Roadway Design Office for assistance in completing this form

Email to: Rick Jenkins rick.jenkins@dot.state.fl.us and Darren Martin darren.martin@dot.state.fl.us

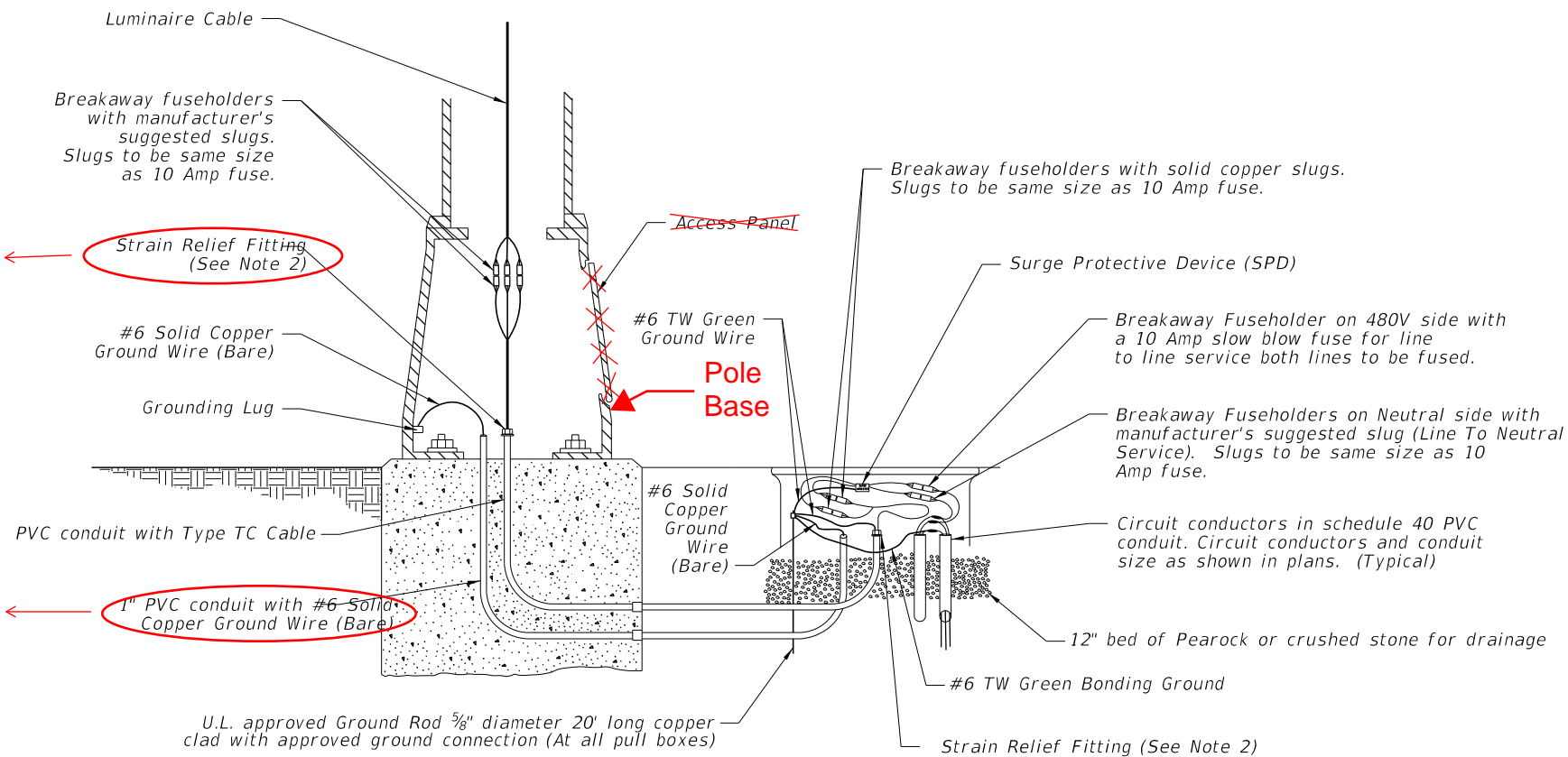


WIRING DIAGRAM

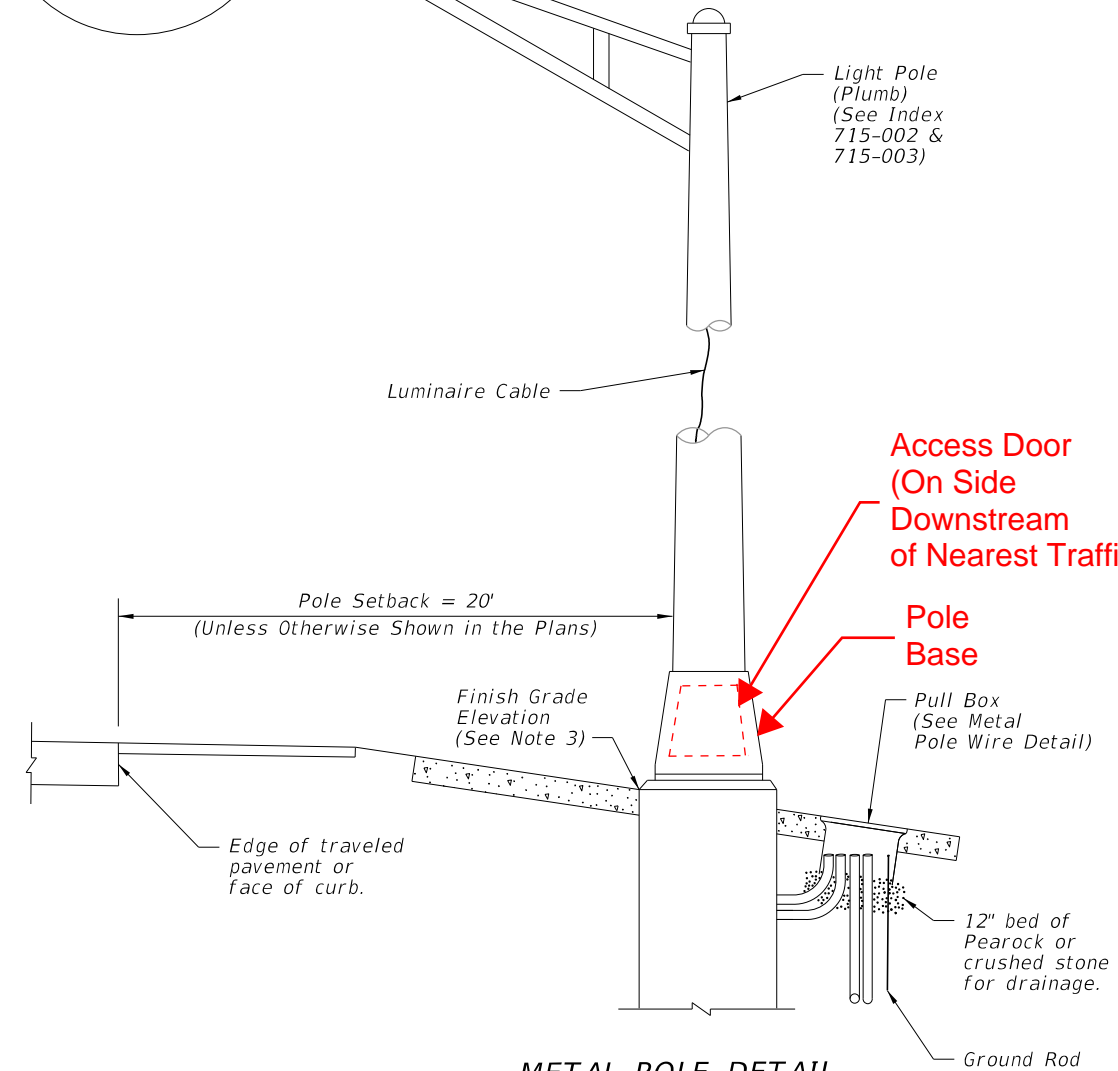


LUMINAIRE TILT DETAIL (Side View)

*Tilt angle is 0° (level) unless otherwise shown in the Plans
 **Axis of rotation is level and perpendicular to the tenon.
 The location shown is approximate and may be either a hinge or a tenon connection adjustment.



METAL POLE WIRING DETAIL



METAL POLE DETAIL

NOTES:

- Concrete Barrier and Bridge Mounted Poles: Place wiring system following conduit layouts and requirements of Index 715-002. Follow additional requirements of Specification 992. For wiring and devices shown inside of pull boxes on this sheet, place inside of embedded junction boxes instead. Place the vertical breakaway fuseholders inside the pole, at the handhole location.
- Provide enough cable length to allow for removal of fuseholders from the transformer base, pole base, or pullbox for maintenance. Remove slack from the luminaire cable to provide tension on the fuseholders in breakaway pole designs. Pull excess cable into pull box tighten strain relief fittings or cable clamps at both ends of conduit to prevent cable from slipping.
- Align the top, outside edge of the concrete foundation with the finish grade elevation on the side nearest the traffic lane. Relative to the finish grade elevation, this foundation alignment has a vertical tolerance of plus 2 inches to minus 0 inches.

WIRING AND INSTALLATION DETAILS

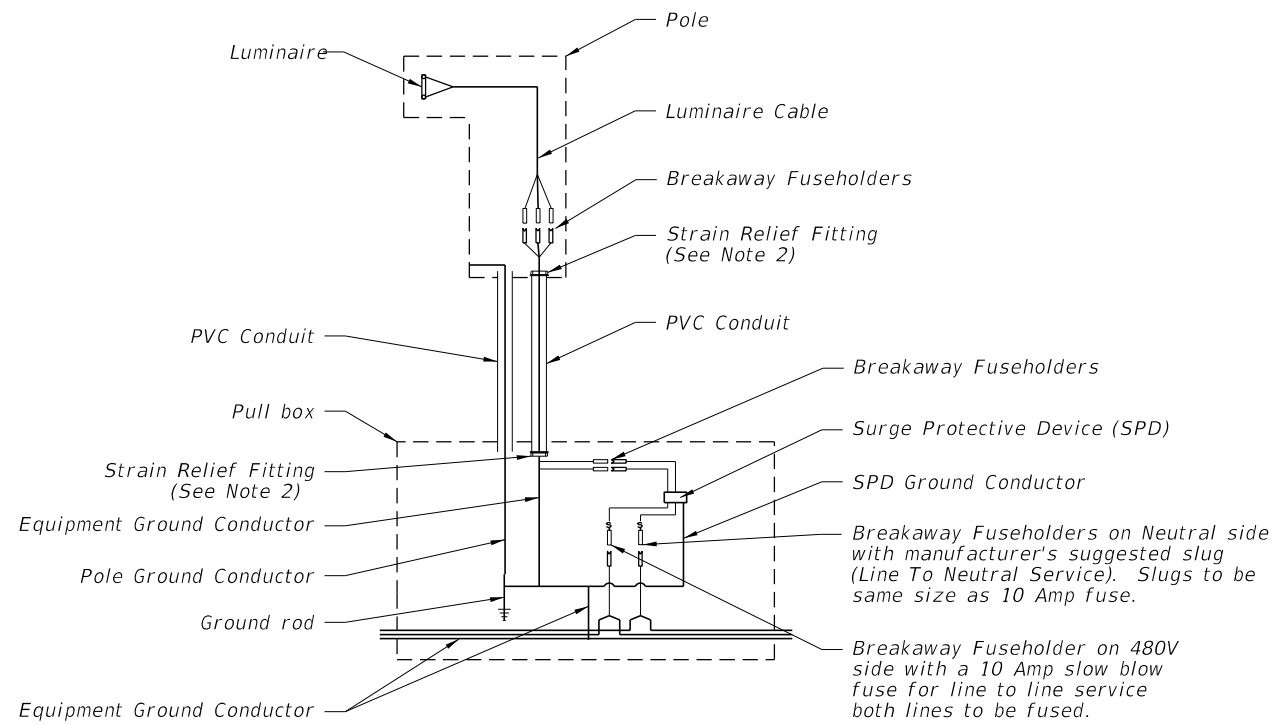
10/6/2022 2:42:31 PM

LAST REVISION	DESCRIPTION:
11/01/22	
11/01/23	

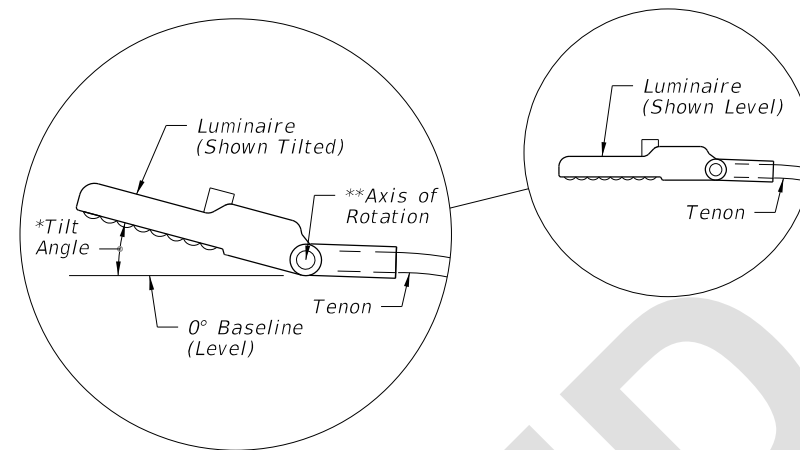

**FY 2023-24
STANDARD PLANS**

CONVENTIONAL LIGHTING

INDEX	SHEET
715-001	1 of 3

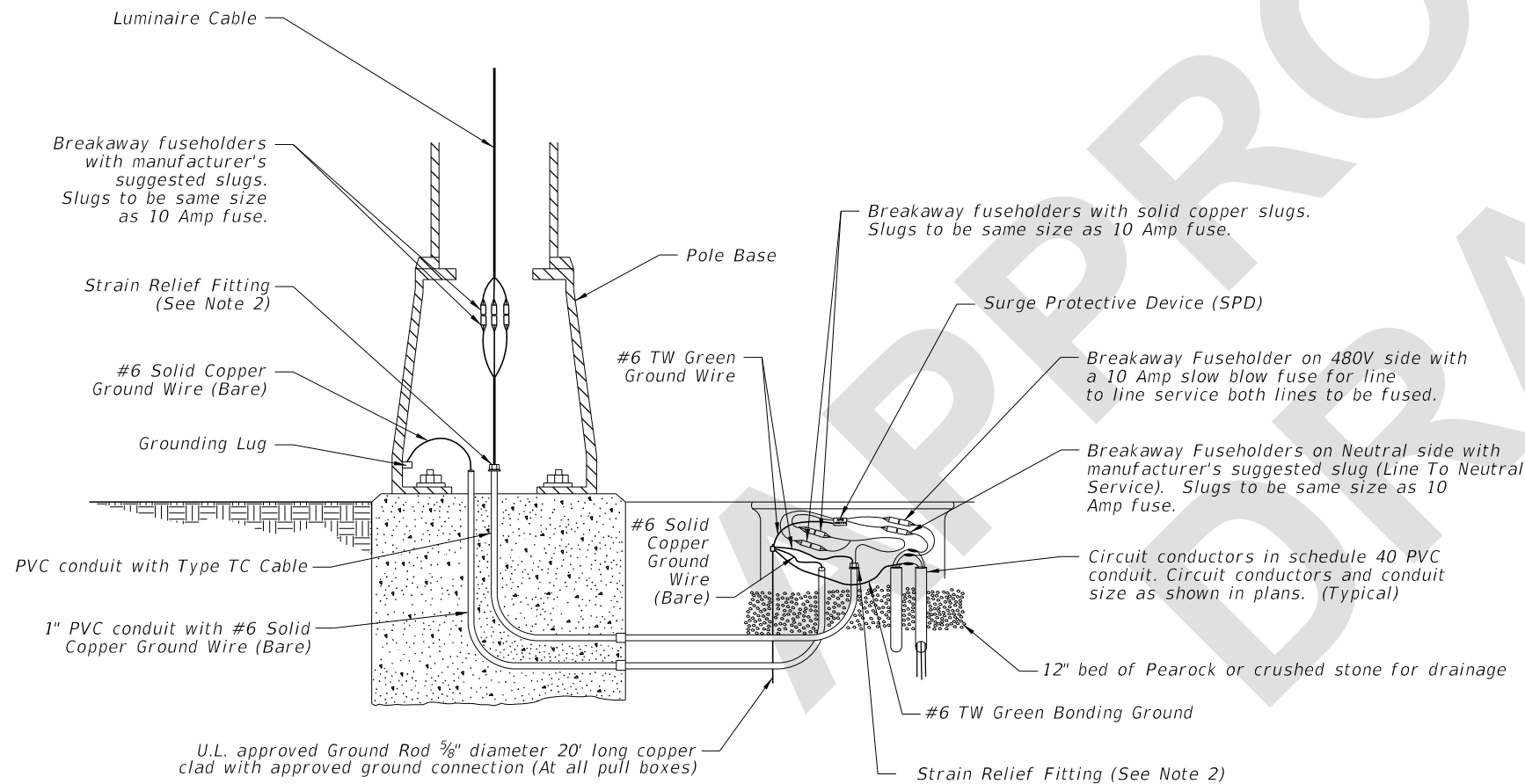


WIRING DIAGRAM

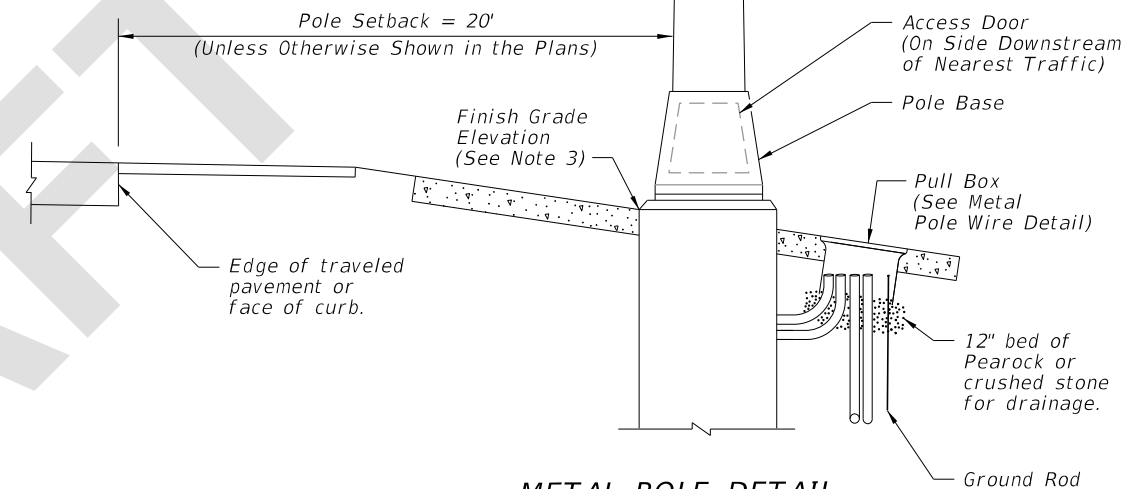


LUMINAIRE TILT DETAIL (Side View)

*Tilt angle is 0° (level) unless otherwise shown in the Plans
 **Axis of rotation is level and perpendicular to the tenon.
 The location shown is approximate and may be either a hinge or a tenon connection adjustment.



METAL POLE WIRING DETAIL




METAL POLE DETAIL

NOTES:

1. Concrete Barrier and Bridge Mounted Poles: Place wiring system following conduit layouts and requirements of Index 715-002. Follow additional requirements of Specification 992. For wiring and devices shown inside of pull boxes on this sheet, place inside of embedded junction boxes instead. Place the vertical breakaway fuseholders inside the pole, at the handhole location.
2. Provide enough cable length to allow for removal of fuseholders from the transformer base, pole base, or pullbox for maintenance. Remove slack from the luminaire cable to provide tension on the fuseholders in breakaway pole designs. Pull excess cable into pull box tighten strain relief fittings or cable clamps at both ends of conduit to prevent cable from slipping.
3. Align the top, outside edge of the concrete foundation with the finish grade elevation on the side nearest the traffic lane. Relative to the finish grade elevation, this foundation alignment has a vertical tolerance of plus 2 inches to minus 0 inches.

6/16/2023 4:36:23 PM

LAST REVISION 11/01/23	REVISION	DESCRIPTION:		FY 2024-25 STANDARD PLANS	CONVENTIONAL LIGHTING	INDEX 715-001	SHEET 1 of 3
---------------------------	----------	--------------	---	-------------------------------------	------------------------------	-------------------------	------------------------

WIRING AND INSTALLATION DETAILS