

# ORIGINATION FORM

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

## Contact Information:

Date: August 1, 2018  
Originator: **Ed Cashman**  
Phone: (850) 414-4314  
Email:

## Standard Plans:

Index Number: **676-010**  
Sheet Number (s): 1 of 1  
Index Title: Cabinet Installation Details

## Summary of the changes:

Updated Notes; Reorganized Sheet; Added optional conduit to the concrete pole.

## Commentary / Background:

### Other Affected Offices / Documents: (Provide name of responsible personnel)

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

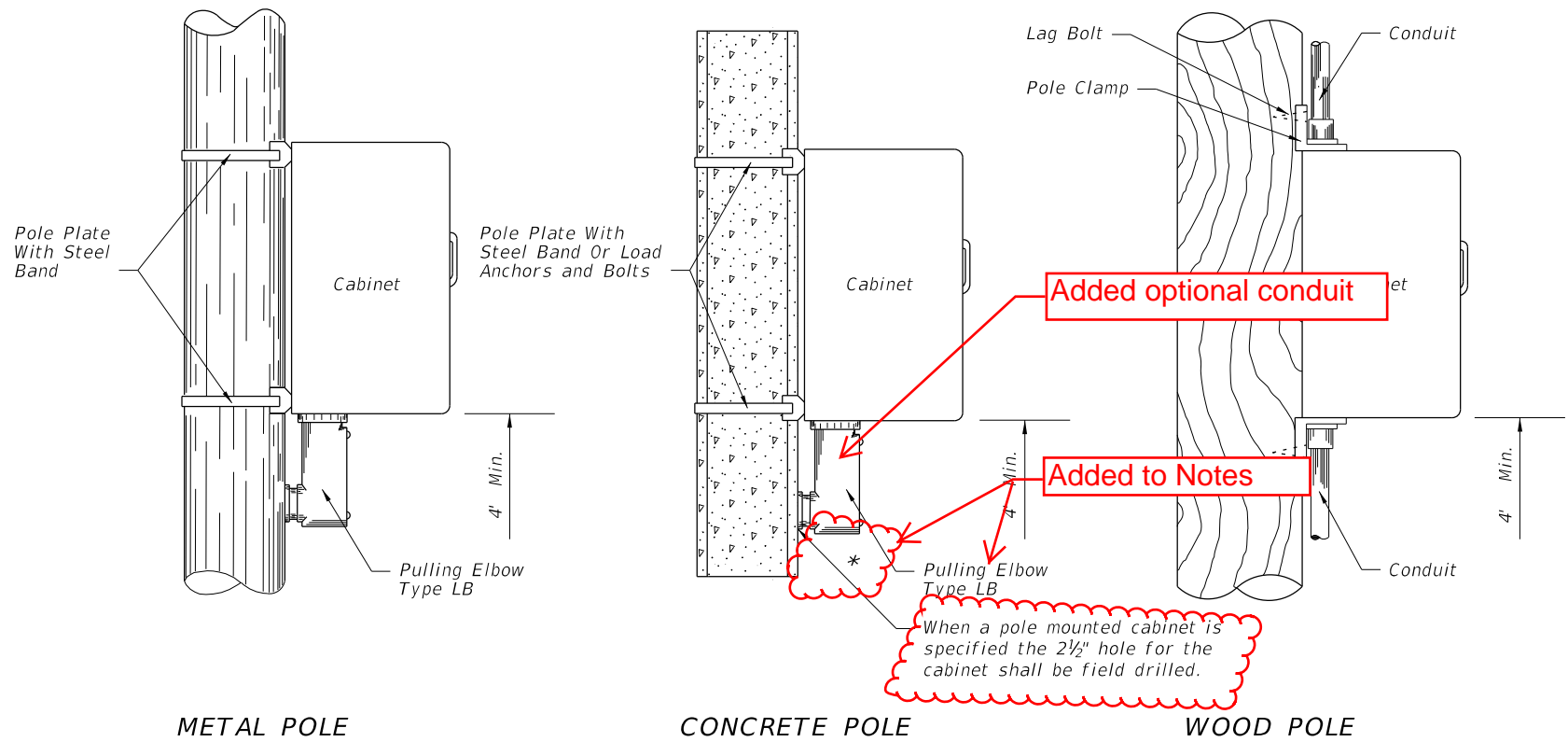
### Origination Package Includes: (Email or hand deliver package to Derwood Sheppard)

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

## Implementation:

Design Bulletin (Interim)    DCE Memo    Program Mgmt. Bulletin    FY-Standard Plans (Next Release)

————— **Contact the Roadway Design Office for assistance in completing this form** —————



METAL POLE

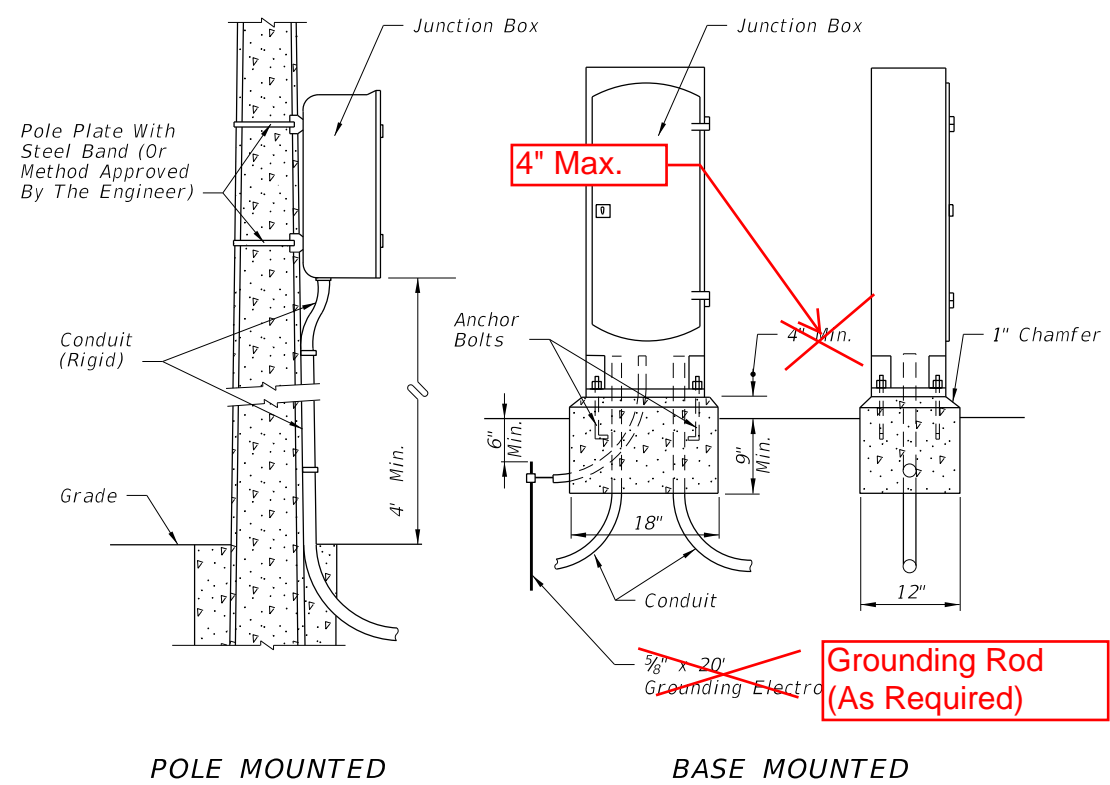
CONCRETE POLE

WOOD POLE

POLE MOUNTED CABINET

Liquidtight flexible conduit is approved for use from the electrical disconnect to the cabinet when both are installed on the same pole. **Added to Notes**

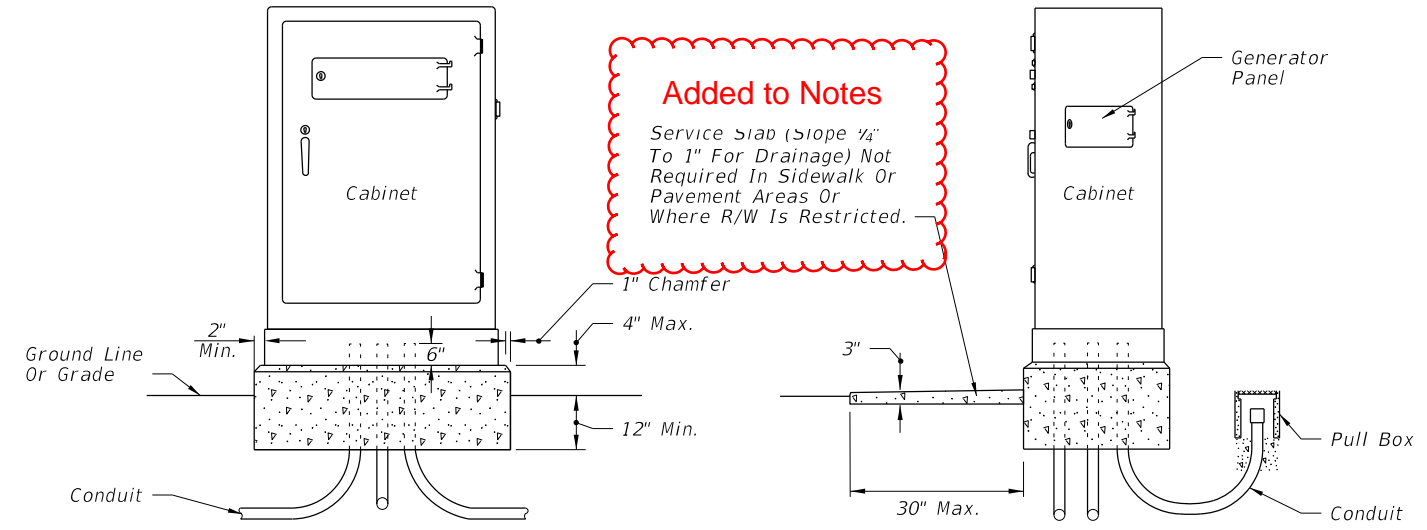
\* If holes for cabinet mounting require relocation, original holes shall be filled in with concrete or covered with a noncorrosive cover plate.



POLE MOUNTED

BASE MOUNTED

INTERCONNECT JUNCTION BOX



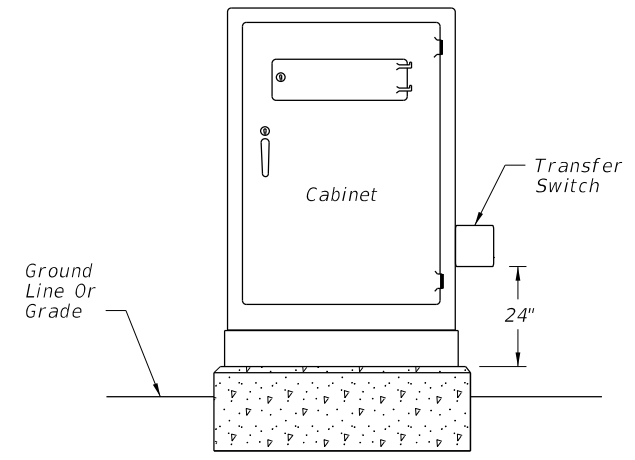
FRONT VIEW

SIDE VIEW

**Notes:**

- The number, size and orientation of conduit sweep will vary according to site condition or locations. Two spare 2" PVC conduits shall be provided in all bases. The spares shall exit in the direction of the center rear of the cabinet base, into a pullbox and capped with a weathertight fitting. If obstructions prevent the spare conduit from exiting to the rear, or the rear of the cabinet is not available, the exit of the spare conduits will have to be approved by the project engineer. **Updated to Notes**
- Meet all grounding requirements of the Standard Specifications 620.
- New Controller Cabinet installation shall meet the requirements of the Standard Specifications 676.

NEW CONTROLLER CABINET

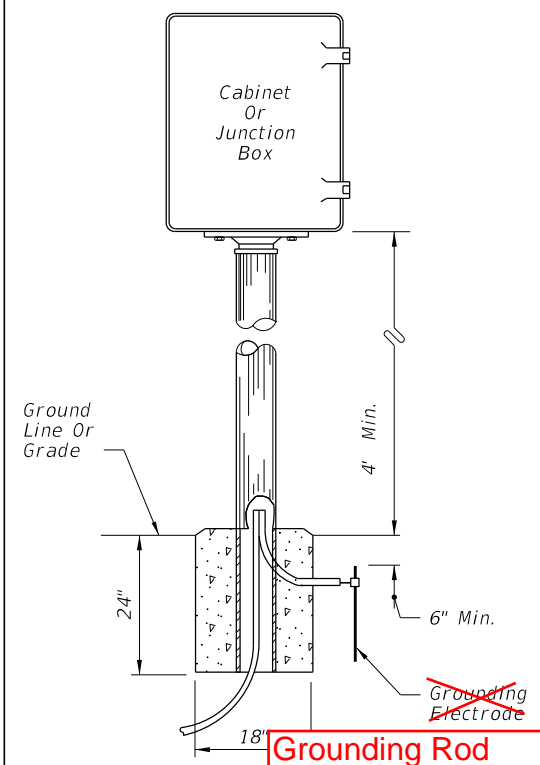


FRONT VIEW

**Notes:**

- Existing controller cabinets to be retrofitted shall meet the requirements of the Standard Specifications 678.
- The signalized **Updated to Notes** cabinet retrofit installation procedure is available at [http://www.fdot.gov/Traffic/Doc\\_Library/Doc\\_Library.shtm](http://www.fdot.gov/Traffic/Doc_Library/Doc_Library.shtm) for Generator Power for Signalized Intersection

EXISTING CONTROLLER CABINET

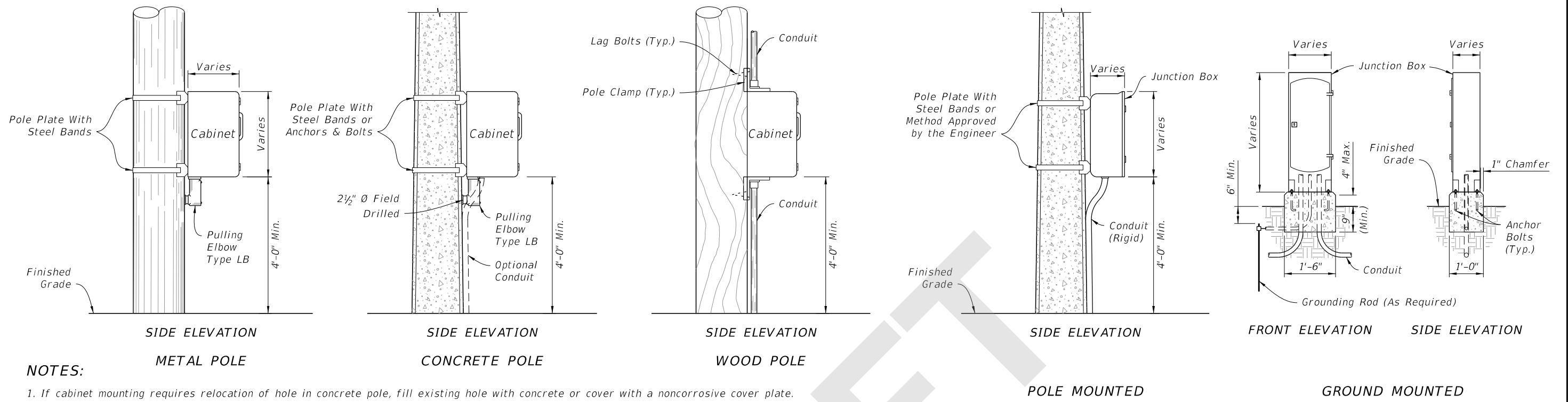


PEDESTAL

**Grounding Rod (As Required)**

10/16/2017 10:36:18 AM

LAST REVISION	DESCRIPTION:
<del>11/01/17</del>	<b>11/01/18</b>

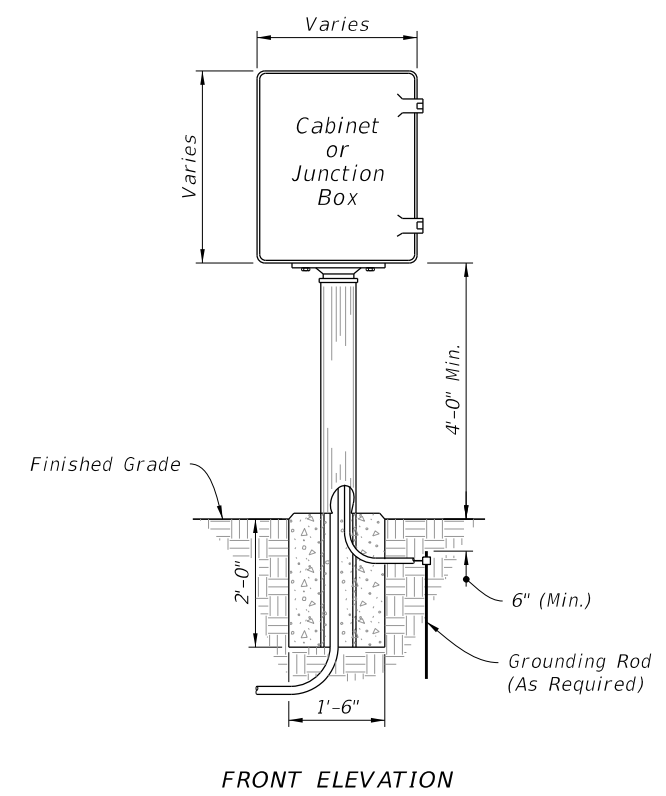
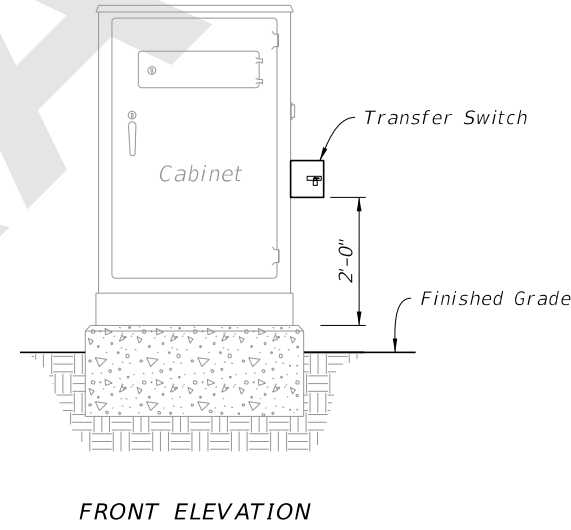
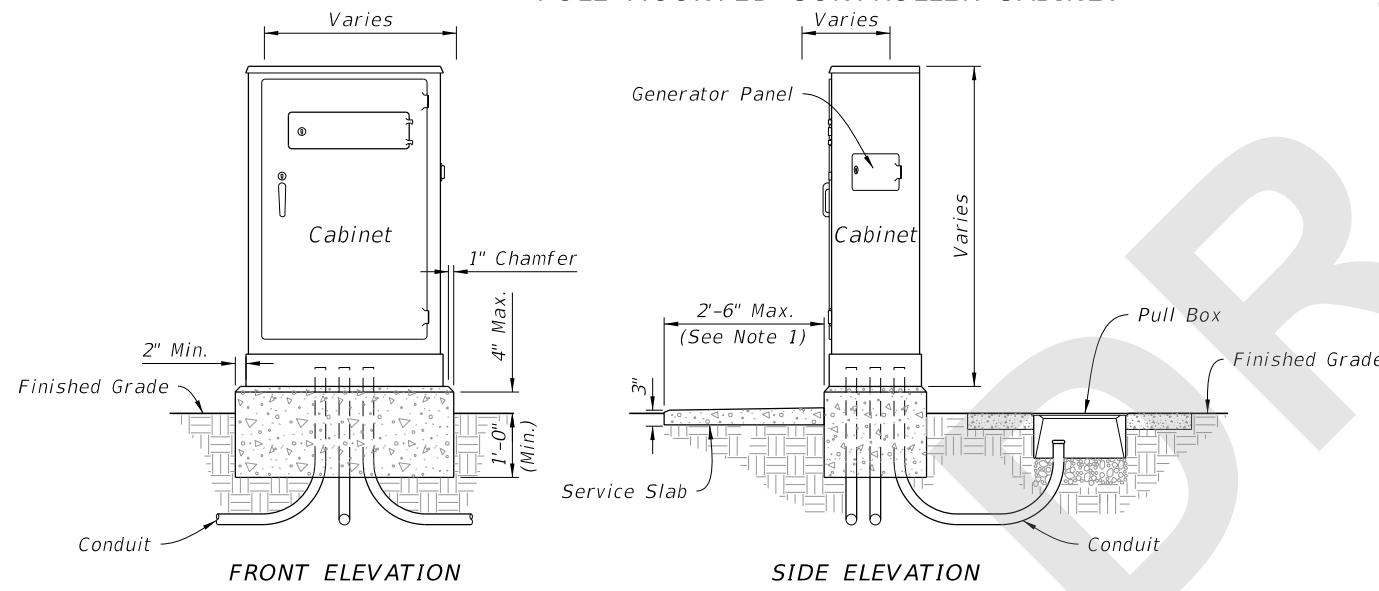


**NOTES:**

1. If cabinet mounting requires relocation of hole in concrete pole, fill existing hole with concrete or cover with a noncorrosive cover plate.
2. Liquidtight flexible conduit is approved for use from the electrical disconnect to the cabinet when both are installed on the same pole.

**POLE MOUNTED CONTROLLER CABINET**

**INTERCONNECT JUNCTION BOX**



**NOTES:**

1. Service Slab: slope 1/4" to 1" for drainage. Not required in sidewalk, pavement areas, or where R/W is restricted.
2. The number, size and orientation of conduit sweep will vary according to site condition or locations. Provided two spare 2" PVC conduits in all bases. Place the exits of the spare conduits in the direction of the center rear of the cabinet base and into a pullbox. If obstructions prevent the spare conduit from exiting to the rear, or the rear of the cabinet is located on the R/W line, locate as directed by the Engineer. Cap all spare conduit sweeps with a weatherproof fitting.

**NOTES:**

1. Retrofit existing controller cabinets in accordance with Specification 678.
2. Retrofit installation procedure for signalized intersection controller cabinet are located at: [http://www.fdot.gov/Traffic/Doc\\_Library/Doc\\_Library.shtm](http://www.fdot.gov/Traffic/Doc_Library/Doc_Library.shtm) Generator Power for Signalized Intersection

**NEW CONTROLLER CABINET**

**EXISTING CONTROLLER CABINET**

**FRONT ELEVATION**

**GROUND MOUNTED CONTROLLER CABINET**

**PEDESTAL MOUNTED CABINET**

8/14/2018 3:02:42 PM

LAST REVISION 11/01/18	DESCRIPTION:	 <b>FY 2019-20 STANDARD PLANS</b>	<b>CABINET INSTALLATION DETAILS</b>	INDEX <b>676-010</b>	SHEET <b>1 of 1</b>
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