

ORIGINATION FORM

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

Contact Information:

Date: October 3, 2016
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Design Standards:

Index Number: **17784**
Sheet Number (s): 1 of 2
Index Title: Pedestrian Detector Assembly Installation Details

Summary of the changes:

Sheet 1: Changed the horizontal reach of pedestrian detector push-button to 10" (Std.) / 15" (Max.); Rearranged sheet; Updated Notes.
Sheet 2: Deleted Sheet.

Commentary / Background:

To match ADA Standards, horizontal reach to pedestrian detector (push-button) must be changed from 15" (24" max.) to 10" max. over an obstruction (i.e., guardrail) or edge of sidewalk.

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

Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Design Standards –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Plans Preparation 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: (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 checked="" type="checkbox"/>	Proposed IDS
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Revised IDS
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Support Documents

Implementation:

Design Bulletin (DSR) DCE Memo Program Mgmt. Bulletin Design Standards e-Booklet (Next Release)

Contact the Roadway Design Office for assistance in completing this form

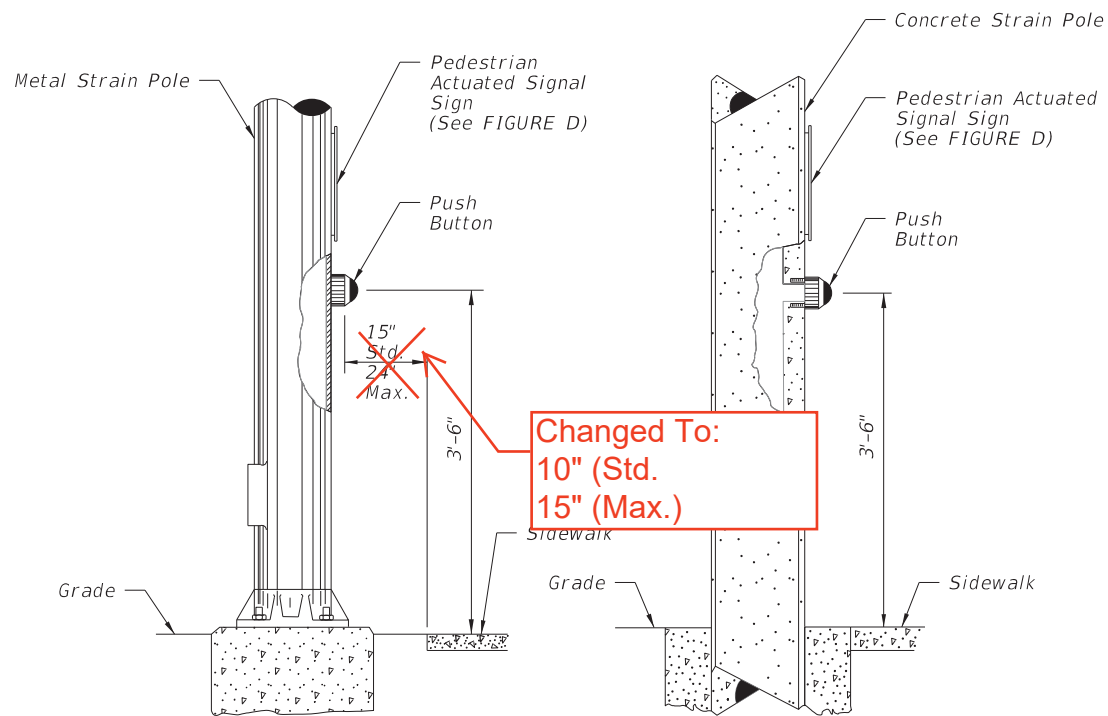


FIGURE A
POLE MOUNTED
DETECTOR STATION

REORGANIZED SHEET 1

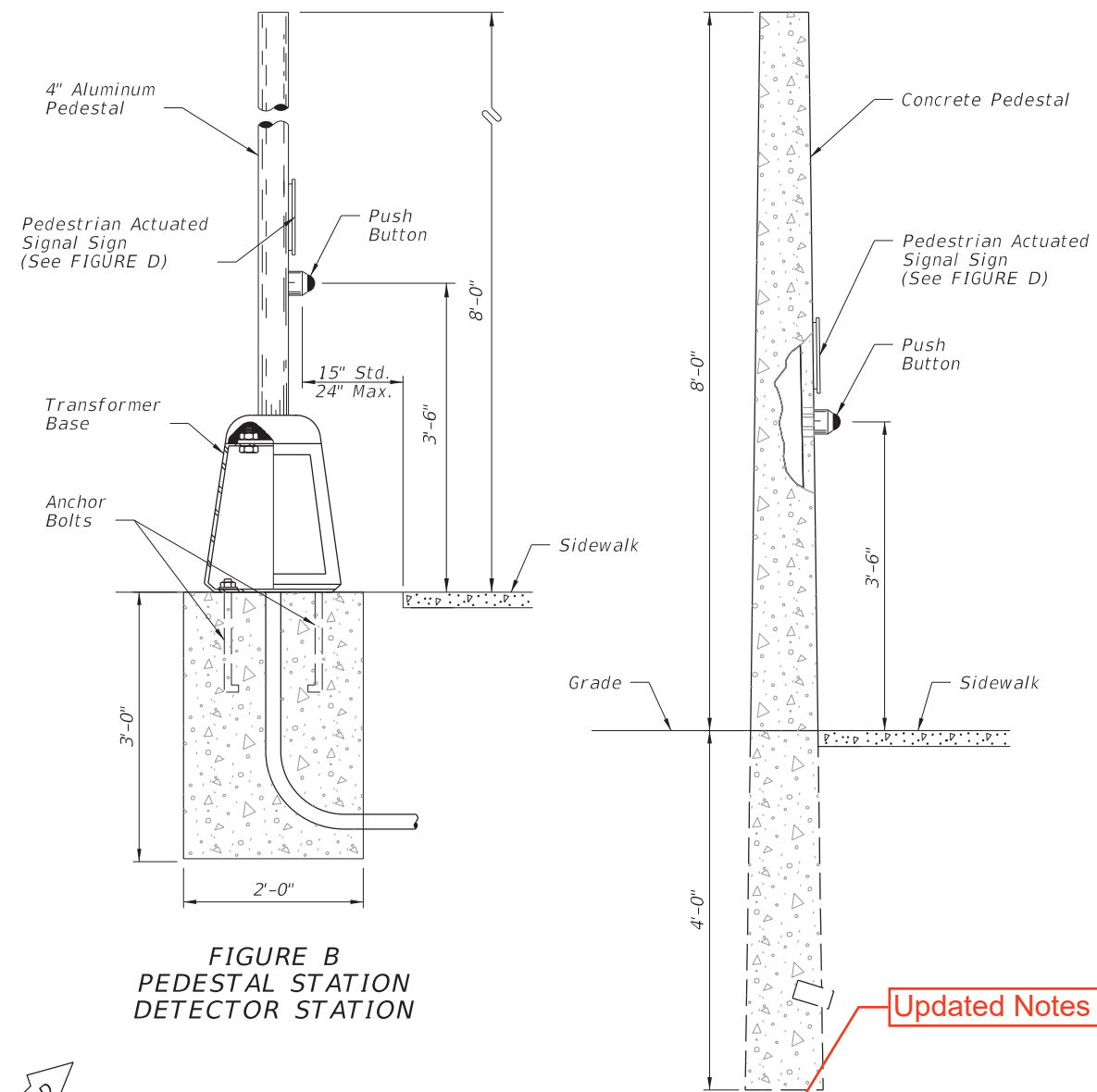
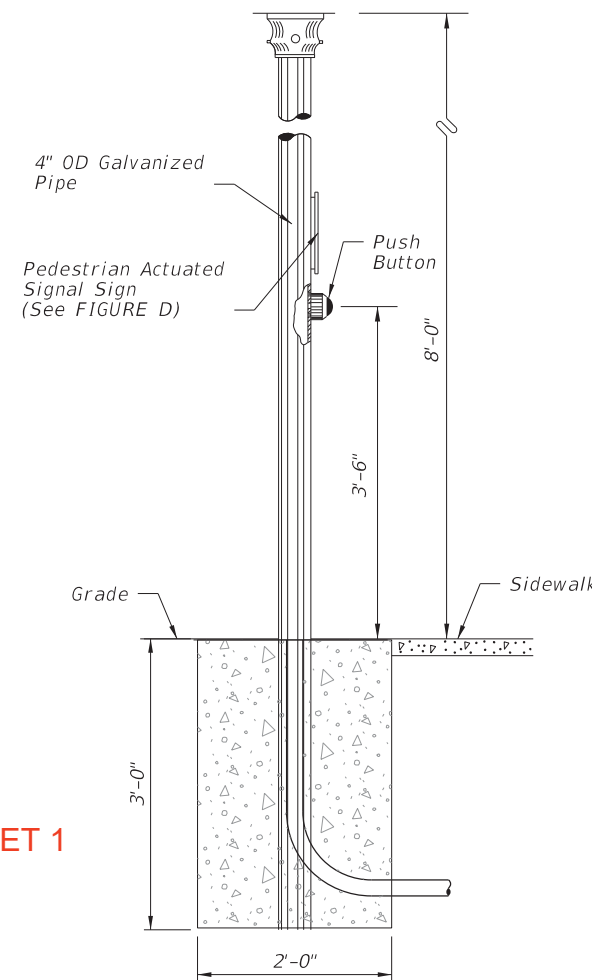


FIGURE B
PEDESTAL STATION
DETECTOR STATION

Updated Notes

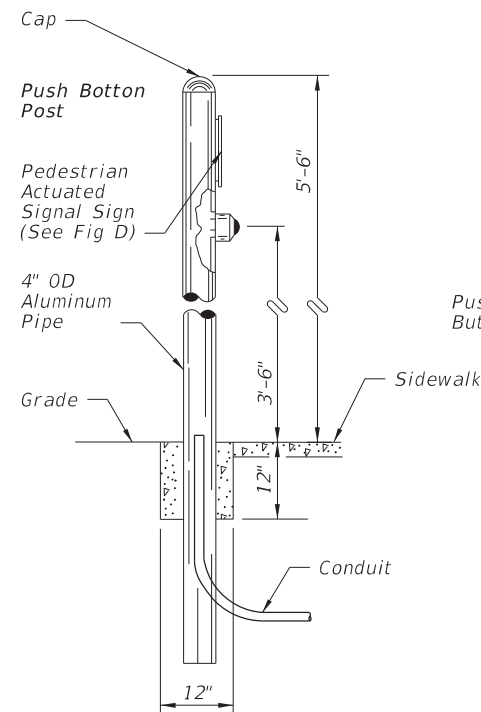


FIGURE C
POST DETECTOR STATION
DETECTOR STATION

11/01/17

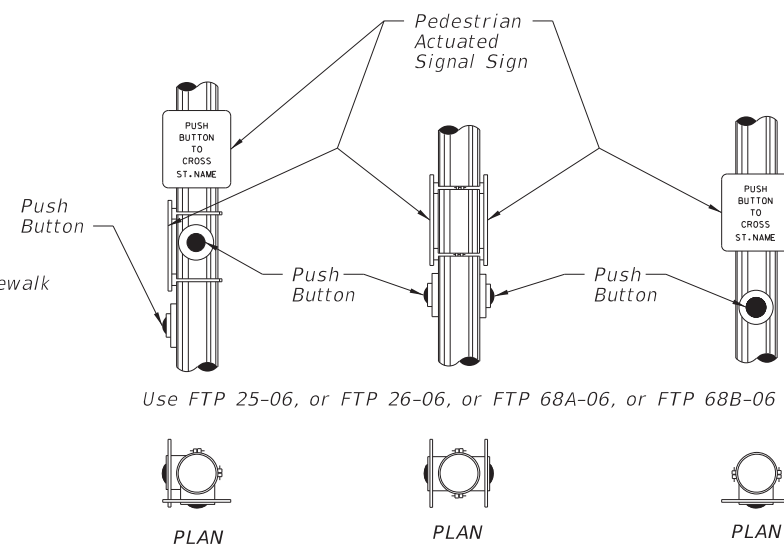


FIGURE D

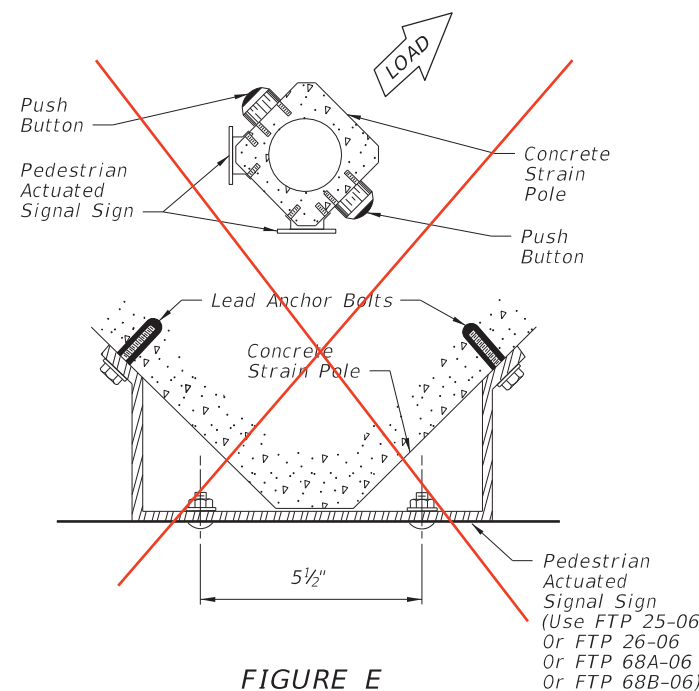


FIGURE E

Notes:

1. Payment for sign is included in the price for the pedestrian detector.
2. Signs shall be mounted above detectors, explaining their purpose and use.
3. The positioning of pedestrian push button should clearly indicate which crosswalk signal is actuated by each push button.
4. Push buttons and signs are to be mounted in accordance with Standard Specifications, section 665.
5. Meet all grounding requirements of Section 620 of the Standard Specifications.
6. A 30"X48" maneuvering area is required on each push button.

Note To Designers:

The designer should ensure the distance to the Push Button in FIGURE A & B is maintained. This distance can vary depending on post or pedestal type or whether a frangible base is used and sidewalk configuration. This is specified to meet Americans with Disabilities Act.

11/30/2015 1:01:38 PM

LAST REVISION	DESCRIPTION:
07/01/15	

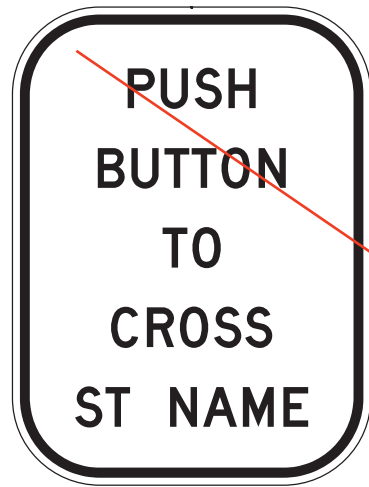
FDOT
FY 2016-17
DESIGN STANDARDS

PEDESTRIAN DETECTOR
INSTALLATION DETAILS

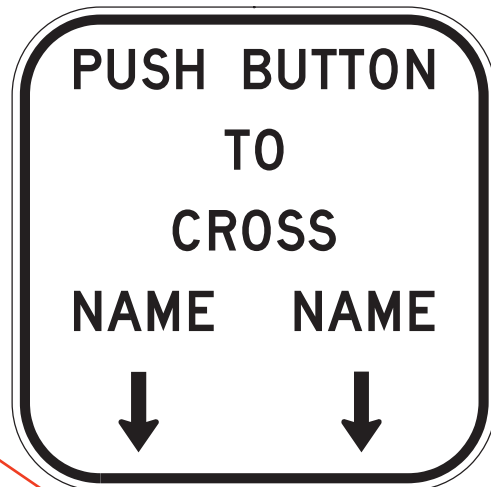
665-001

INDEX NO.
17784

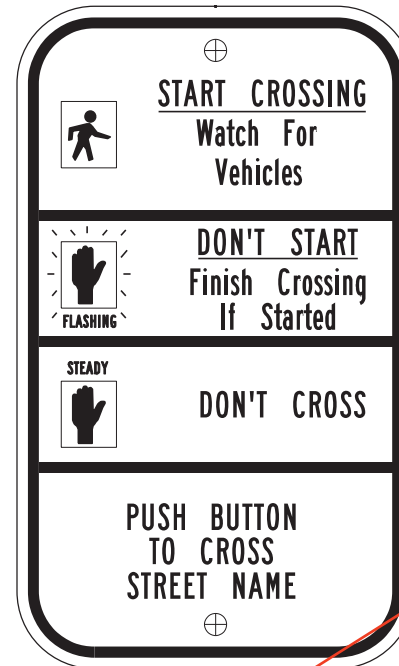
SHEET
1 of 1
1 of 2



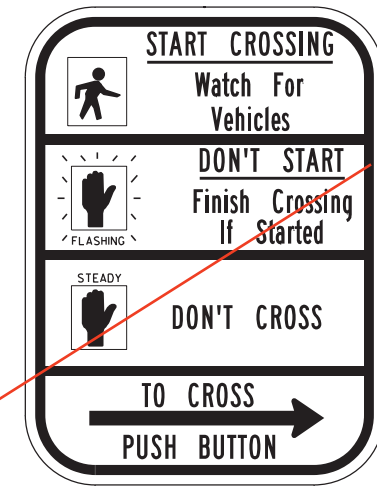
FTP-25-06



FTP-26-06

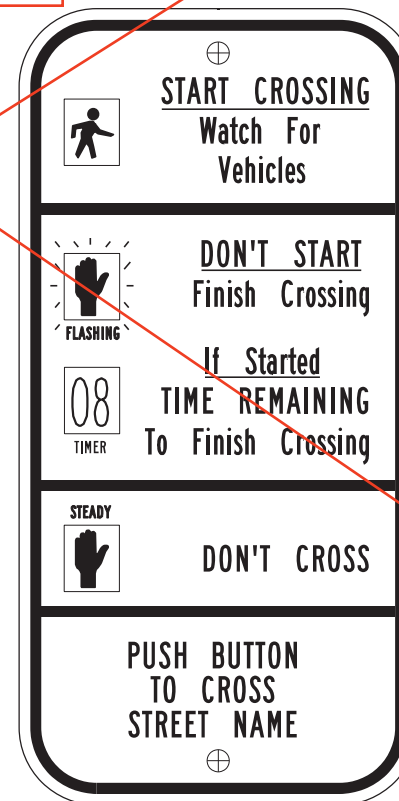


FTP-68A-06

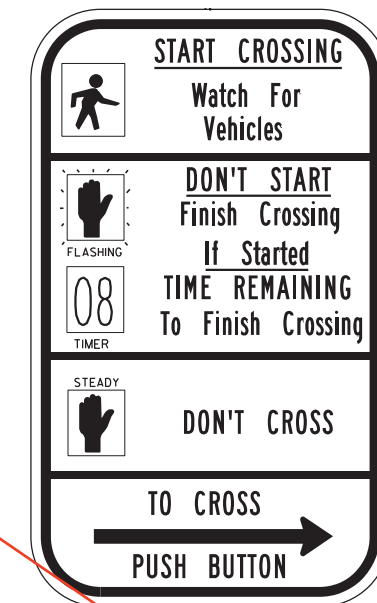


R10-3b
(Use Only for Case I)

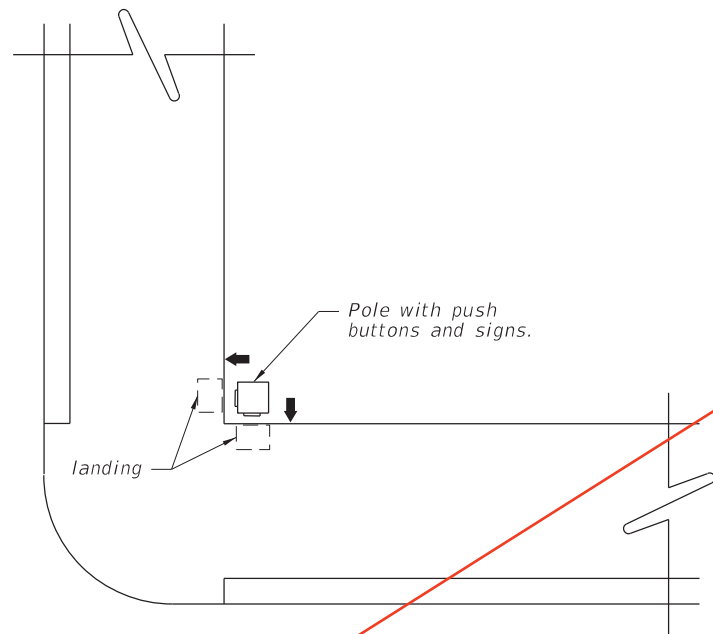
DELETED SHEET



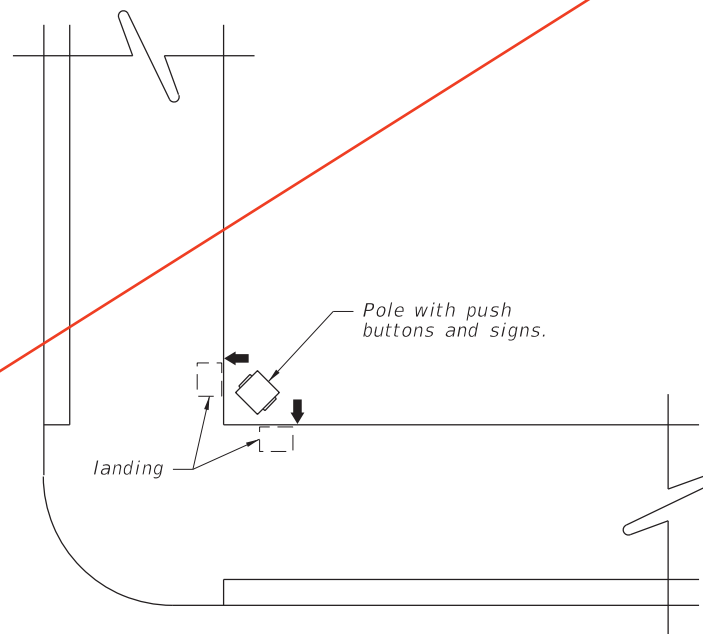
FTP-68B-06



R10-3e
(Use Only for Case I)



CASE I
POLE PARALLEL TO CURBLINE
ALTERNATE TO FIGURE E



CASE II
POLE DIAGONAL TO CURBLINE
ALTERNATE TO FIGURE E

NOTE:
1. Refer to the MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES figure 2B-26 Pedestrian Signs, The STANDARD HIGHWAY SIGNS MANUAL (English) Sign R10-3b for Text Size, Spacing and Symbol size. Also see DESIGN STANDARDS Index 17355 for details of FTP signs.

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LAST REVISION 07/01/12

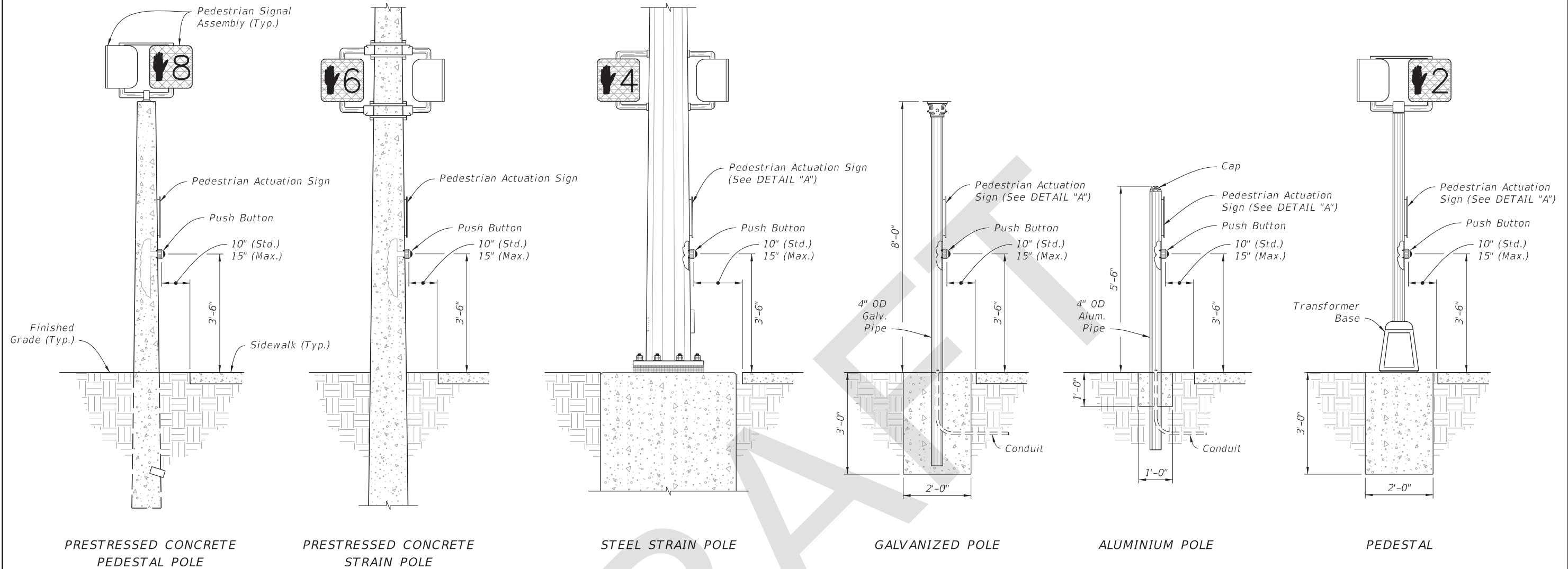
REVISION DESCRIPTION:

FDOT FY 2016-17 DESIGN STANDARDS

PEDESTRIAN DETECTOR ASSEMBLY INSTALLATION DETAILS

INDEX NO. 17784

SHEET NO. 2 of 2



PRESTRESSED CONCRETE
PEDESTAL POLE

PRESTRESSED CONCRETE
STRAIN POLE

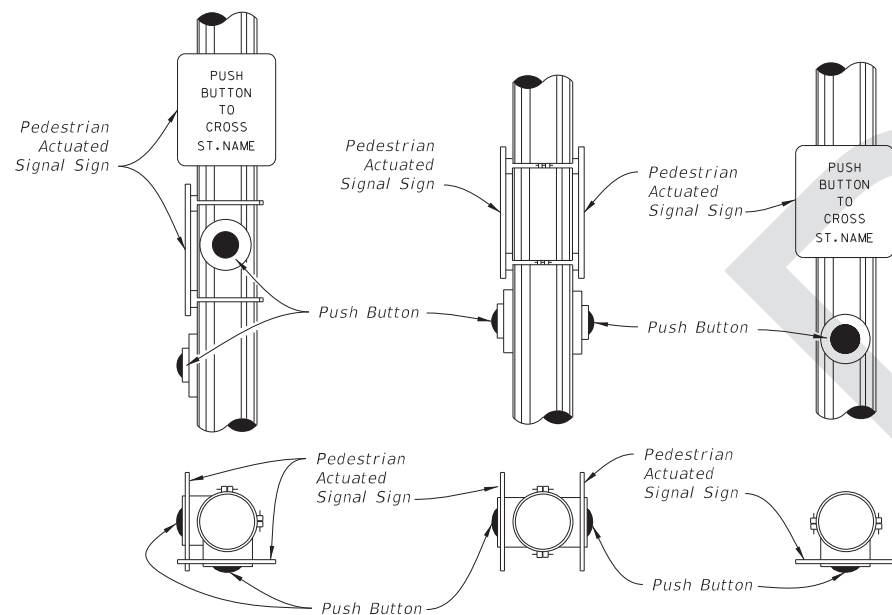
STEEL STRAIN POLE

GALVANIZED POLE

ALUMINIUM POLE

PEDESTAL

PUSHBUTTON PEDESTRIAN DETECTORS




DETAIL "A"

NOTES:

1. Mount Signs above the detectors. See Index 700-102 or MUTCD for sign details.
2. Position the pedestrian pushbutton to clearly indicate which crosswalk signal is actuated by each push button.
3. Mount pushbuttons and Signs in accordance with Specification 665.
4. Install all grounding per Specification 620.

8/18/2017 8:34:44 AM

LAST REVISION 11/01/17	REVISION	DESCRIPTION:	 FY 2018-19 STANDARD PLANS	PEDESTRIAN DETECTOR ASSEMBLY INSTALLATION DETAILS	INDEX 665-001	SHEET 1 of 1
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