ORIGINATION FORM -

Proposed Revisions to a Standard Plans Index

(Please provide all information — Incomplete forms will be returned)

Contact Information:

Standard Plans:

Date: July 5, 2023 **Originator: Rick Jenkins** Phone: (850) 414-4355 Email: rick.jenkins@dot.state.fl.us Summary of the changes:

Index Number: 700-120 Sheet Number (s): All Index Title: Enhanced Highway Signing Assemblies

All Sheets: Renumber

Sheet 1: Added New Sheets to Table of Contents. Sheet 3: New Sheet - Spread Footing Foundation. Sheet 12: New Sheet - Roadside Sign Assembly-9. Sheet 13: New Sheet - Roadside Sign Assembly-10. Sheet 14: New Sheet - Roadside Sign Assembly-11.

Commentary / Background:

The districts have requested a spread footing foundation option be added. Three new Railroad Highlighted sign assemblies are being added as a result of input from the Rail Safety Task Team.

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

Yes	No				
\checkmark		Other Standard Plans – 646-001, 653-001, 654-001			
	\checkmark	FDOT Design Manual –			
\checkmark		Basis of Estimates Manual – Ryan Gray			
	\checkmark	Standard Specifications –			
	\checkmark	Approved Product List –			
		Construction –			
	\checkmark	Maintenance –			
Origination Package Includes:					
(Email or hand deliver package to Rick Jenkins)					
(Ennan	0. 110				

Implementation:

Design Bulletin (Interim)

DCE Memo

Program Mgmt. Bulletin

FY-Standard Plans (Next Release)

Proposed Standard Plan Instruction (SPI) **Revised SPI**

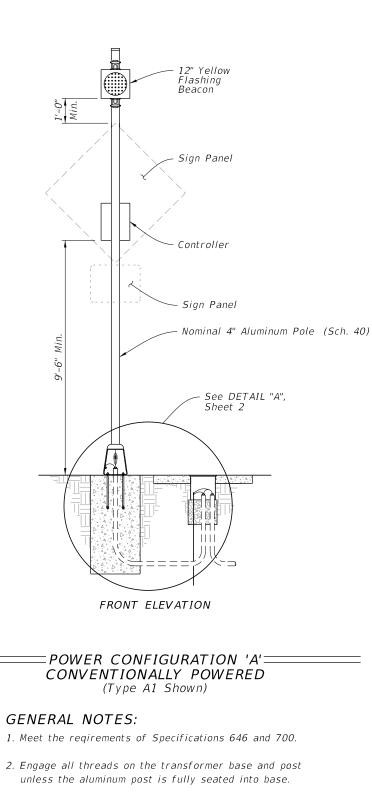
Yes N/A \Box

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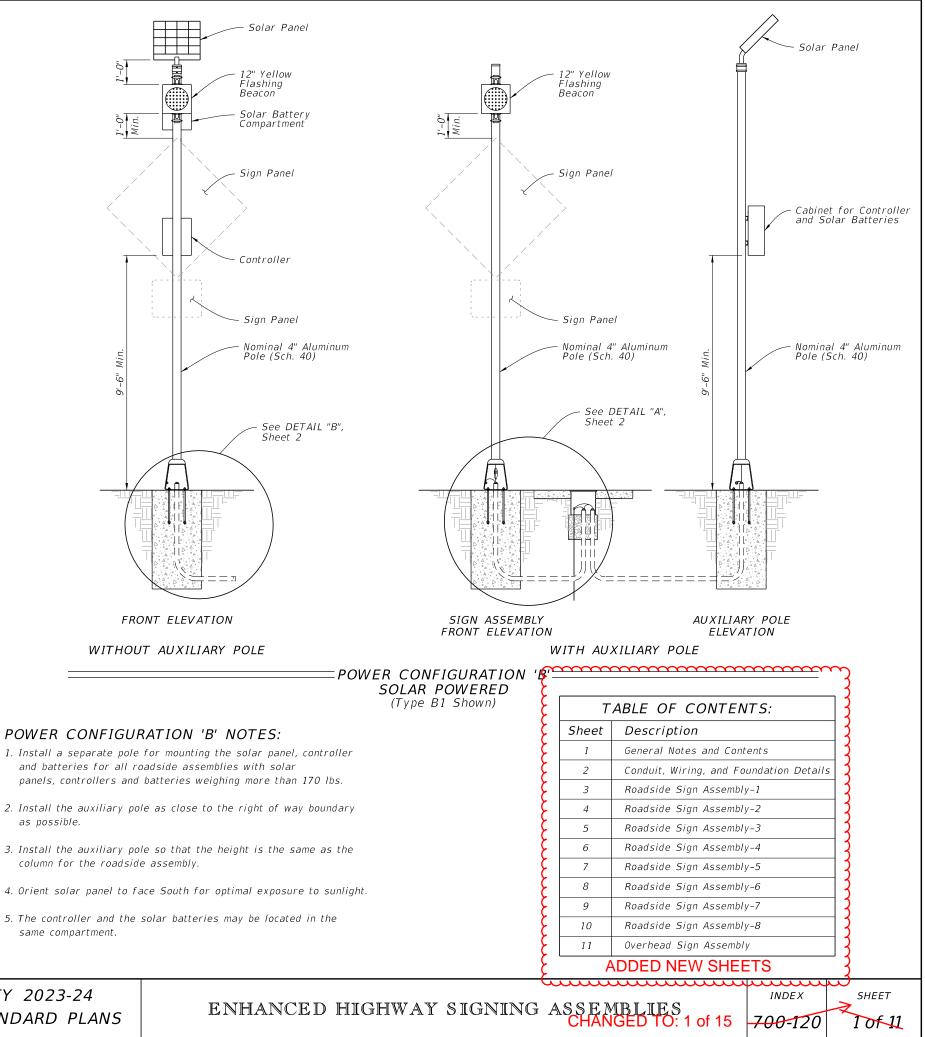
Other Support Documents

Redline Mark-ups

 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



- 3. Install a concrete slab around all roadside assemblies on slopes 6:1 or greater. The minimum slab dimension is 6" by 4'-0" by 5'-0".
- 4. When wire entry holes are drilled in the sign column, use a bushing or rubber grommet to protect conductors.



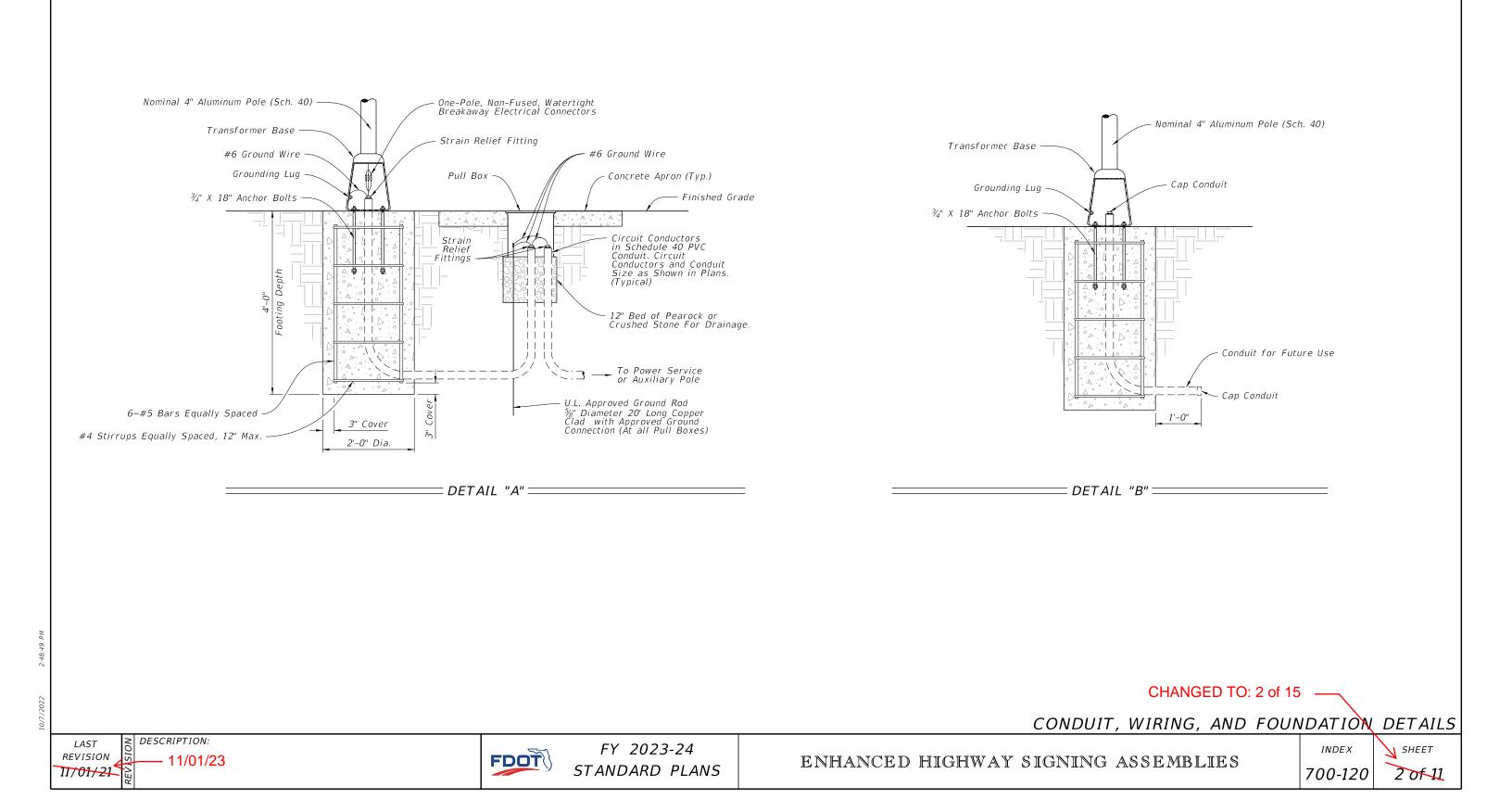
5. The controller and the solar batteries may be located in the same compartment.

LAST

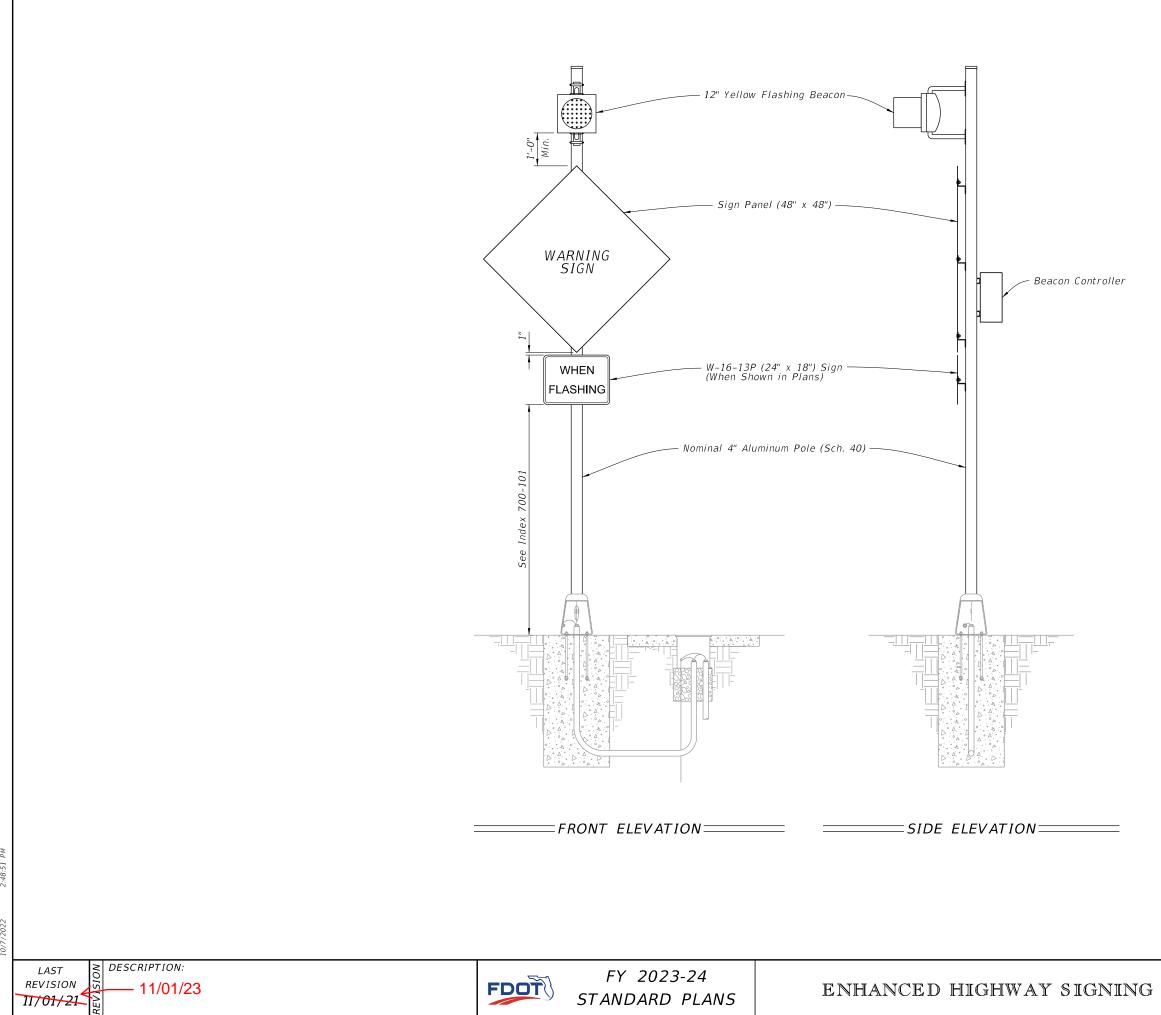
DESCRIPTION: REVISION - 11/01/23 11/01/22



FY 2023-24 STANDARD PLANS

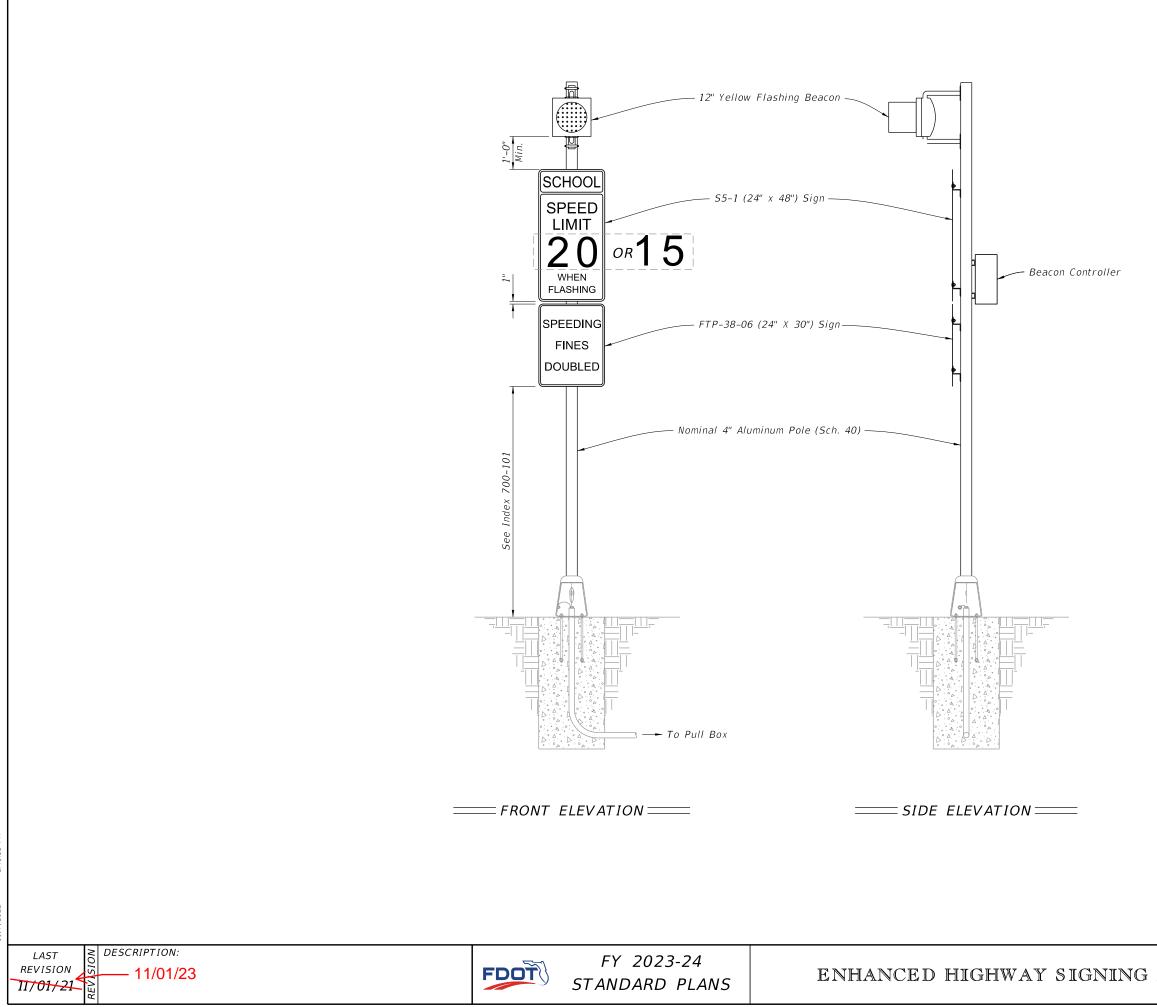


SPREAD FOOTING FOUNDATION 700-120 3 of 15



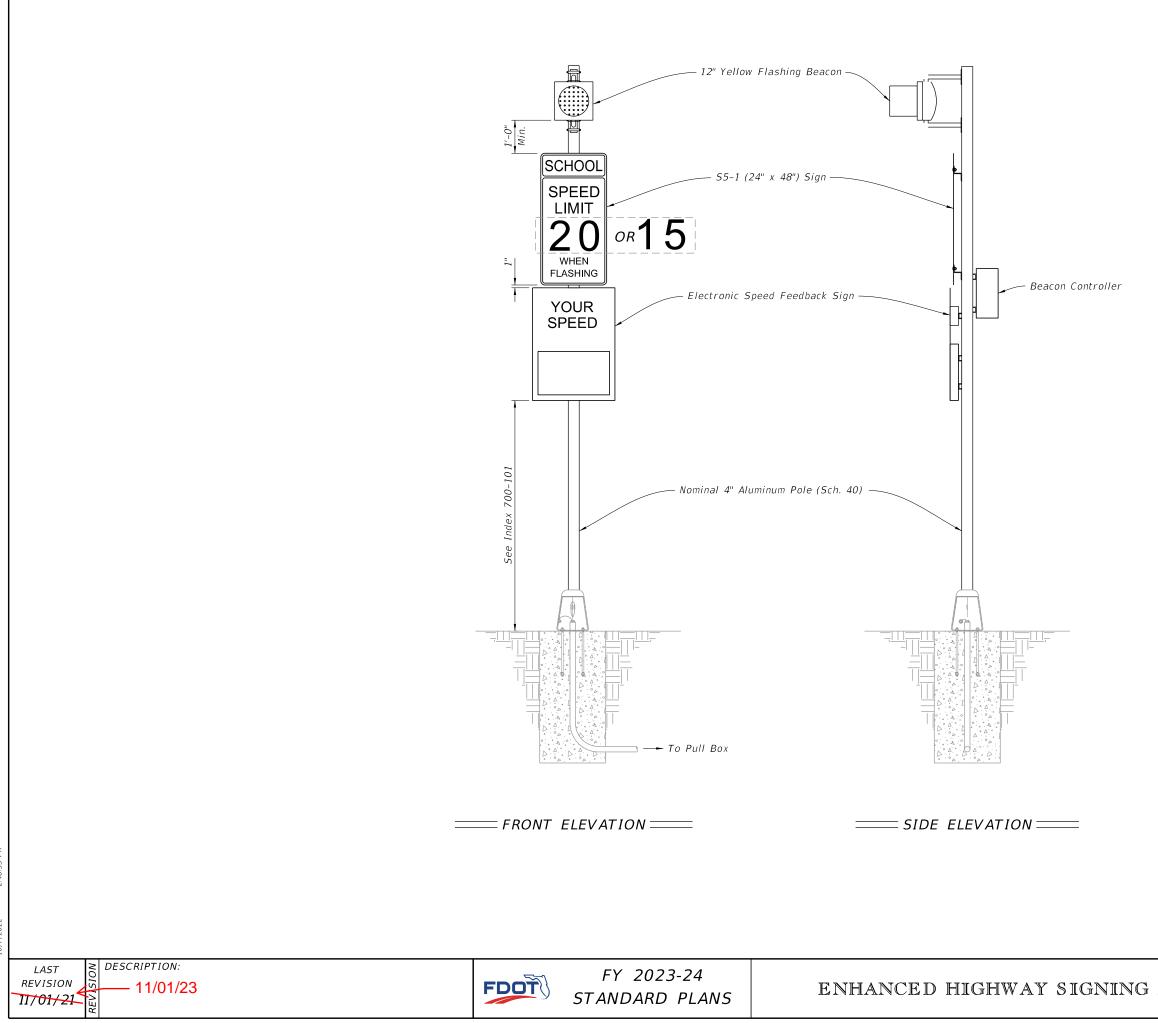
- 1. Type A1 Assembly (conventionally powered) is shown. Type B1 Assemblies (solar powered) similar.
- 2. Foundation reinforcement not shown.

CHANGED TO: 4 of 15	·	
ROADSIDE	SIGN AS	SEMBLY-1
	INDEX	SHEET
ASSEMBLIES	700-120	3 of 11



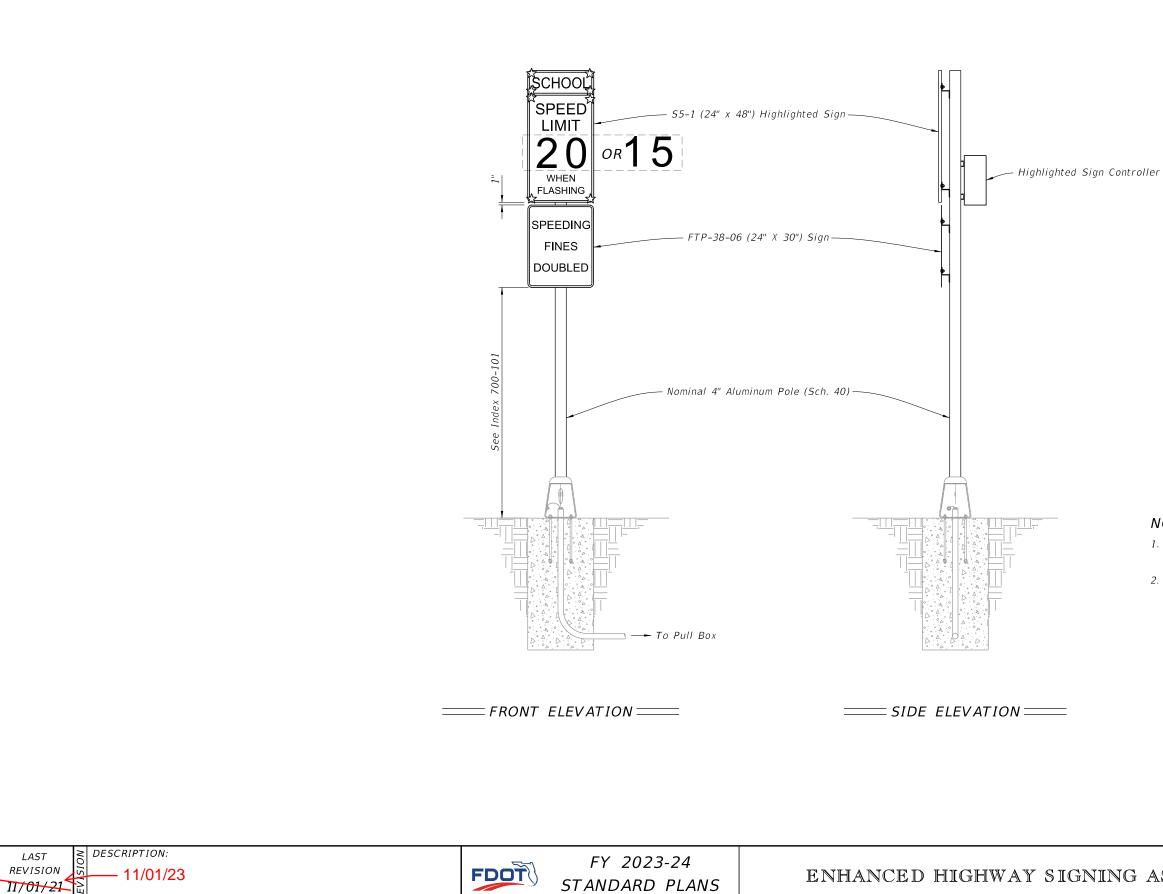
- 1. Type A2 Assembly (conventionally powered) is shown. Type B2 Assemblies (solar powered) similar.
- 2. Foundation reinforcement not shown.

CHANGED TO: 5 of 15		
ROADSIDE	SIGN AS	SEMBLY-2
	INDEX	SHEET
ASSEMBLIES	700-120	4 of 11



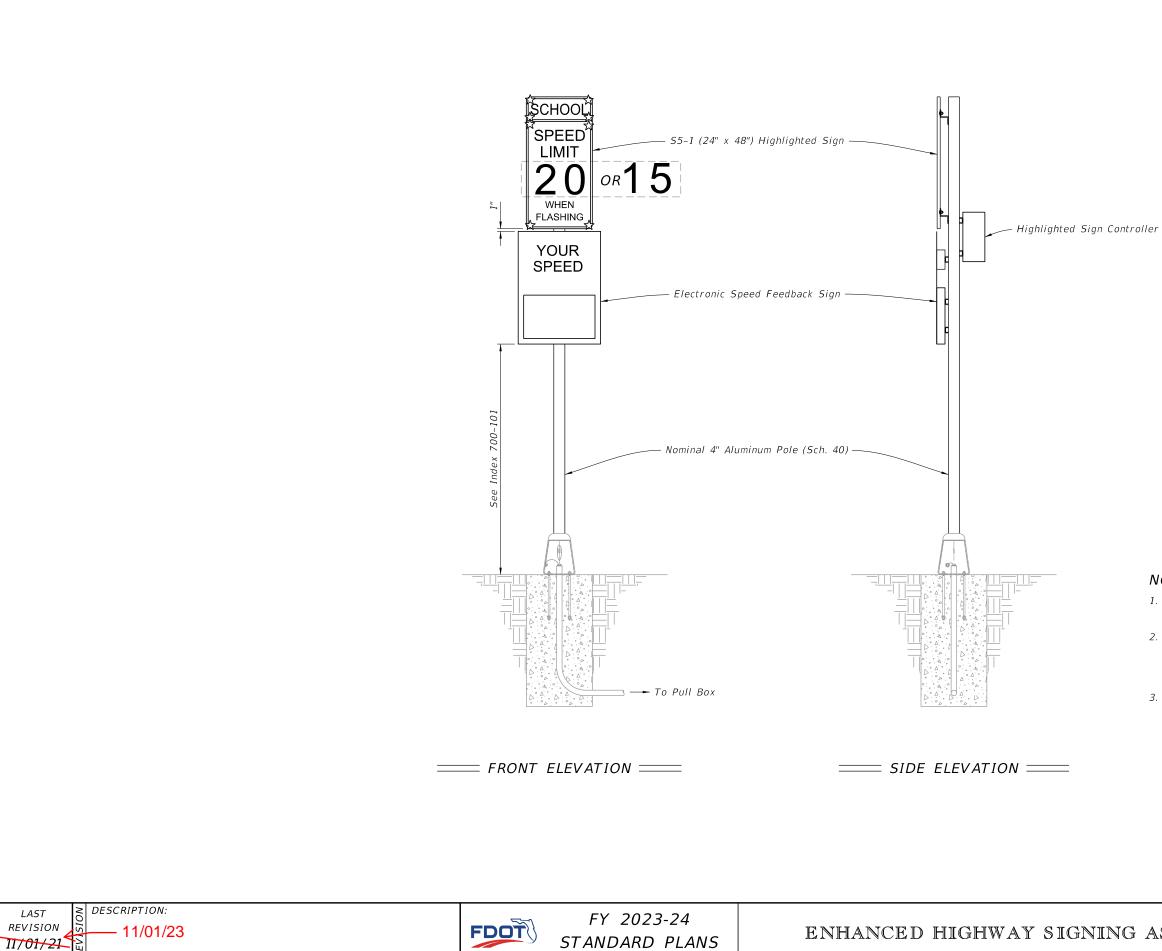
- 1. Type A3 Assembly (conventionally powered) is shown. Type B3 Assemblies (solar powered) similar.
- 2. Use electronic speed feedback sign with 15" high numerals for posted speed of 45 mph or less, and 18" high numerals for posted speeds greater than 45 mph.
- 3. Foundation reinforcement not shown.

CHANGED TO: 6 of 15		
ROADSIDE	SIGN AS	SEMBLY-3
	INDEX	SHEET
ASSEMBLIES	700-120	5 of 11



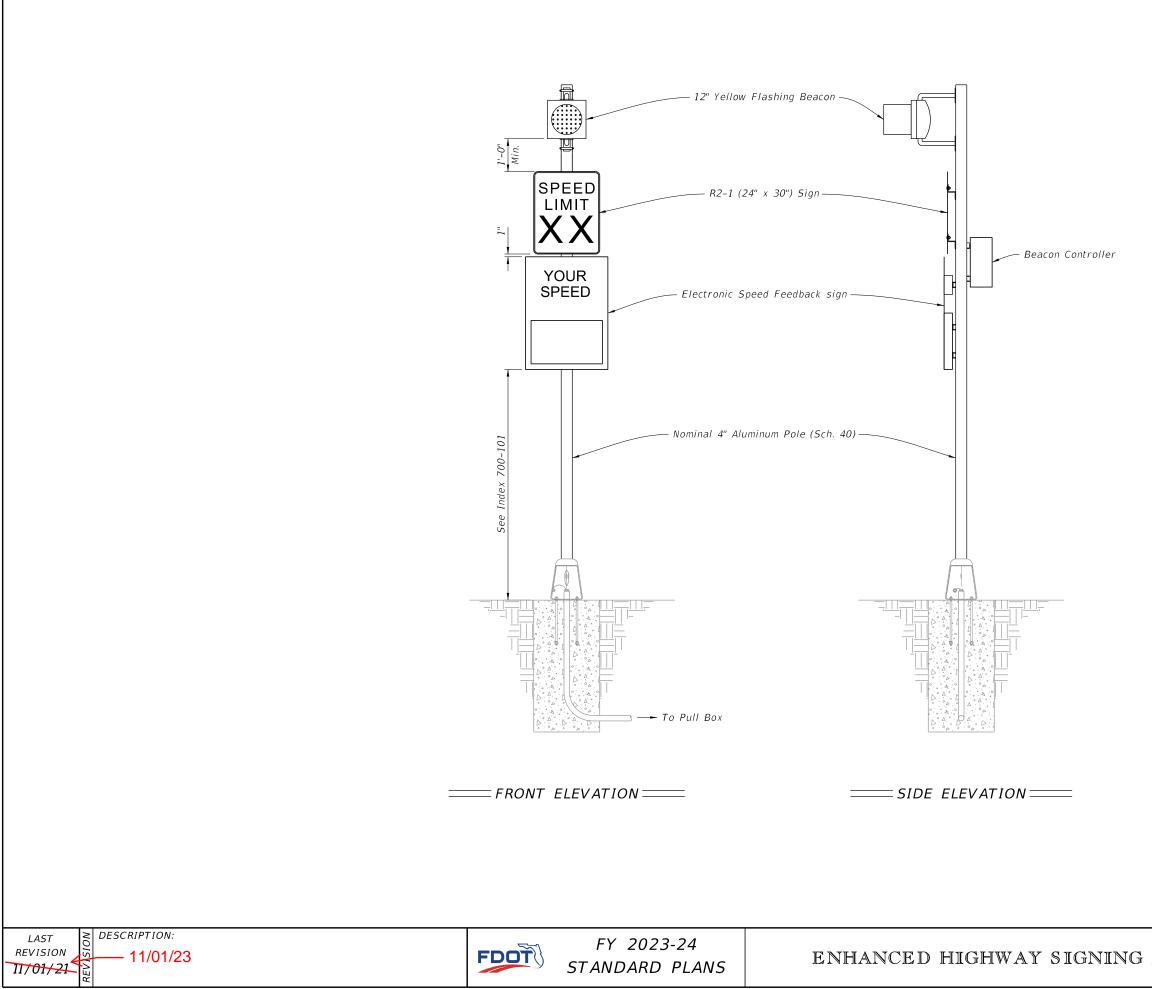
- 1. Type A4 Assembly (conventionally powered) is shown. Type B4 Assemblies (solar powered) similar.
- 2. Foundation reinforcement not shown.

CHANGED TO: 7 of 15		
ROADSIDE .	SIGN AS	SEMBLY-4
	INDEX	SHEET
ASSEMBLIES	700-120	6 of 11



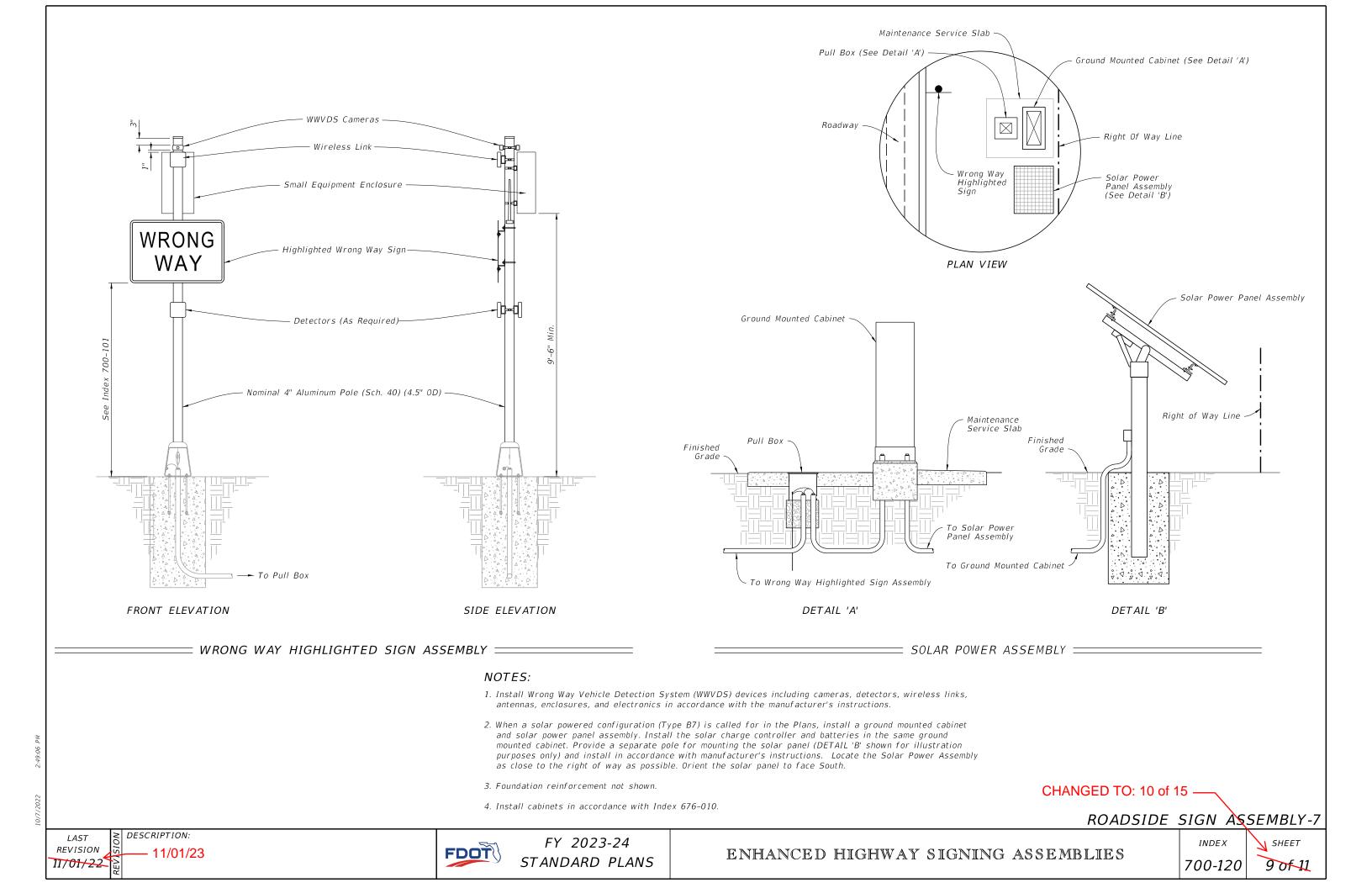
- 1. Type A5 Assembly (conventionally powered) is shown. Type B5 Assemblies (solar powered) similar.
- 2. Use electronic speed feedback sign with 15" high numerals for posted speed of 45 mph or less, and 18" high numerals for posted speeds greater than 45 mph.
- 3. Foundation reinforcement not shown.

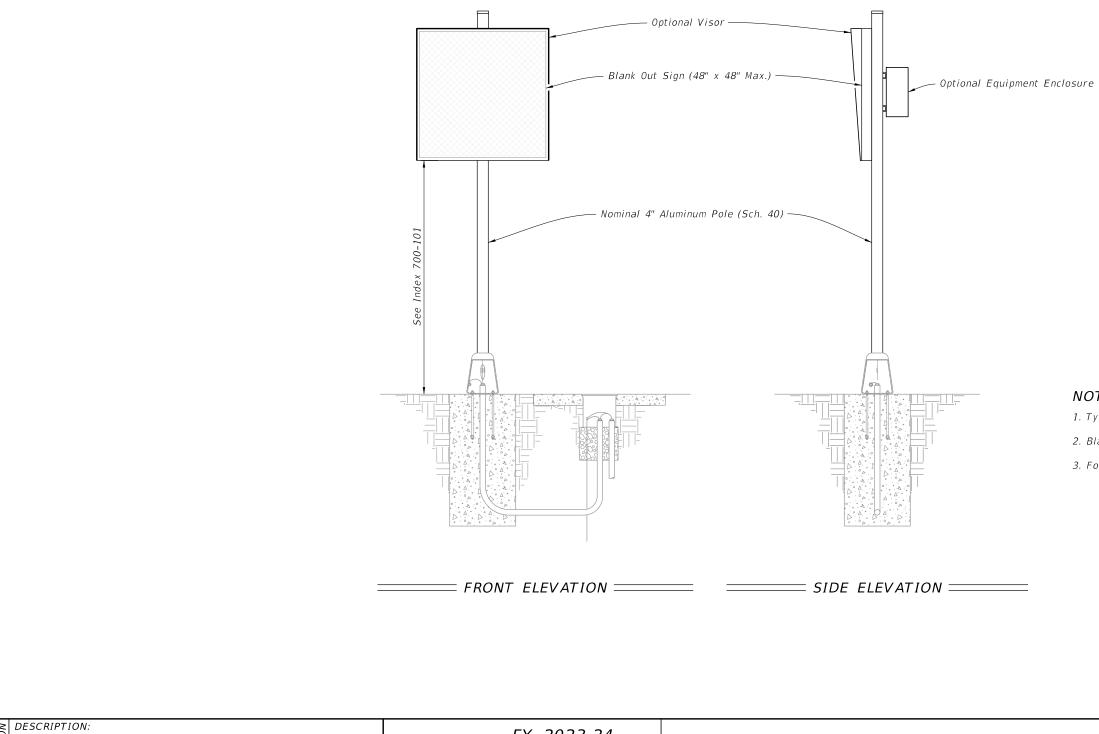
CHANGED TO: 8 of 15	·	
ROADSIDE	SIGN AS	SEMBLY-5
	INDEX	SHEET
ASSEMBLIES	700-120	7 of 11



- 1. Type A6 Assembly (conventionally powered) is shown. Type B6 Assemblies (solar powered) similar.
- 2. Use electronic speed feedback sign with 15" high numerals for posted speed of 45 mph or less, and 18" high numerals for posted speeds greater than 45 mph.
- 3. Foundation reinforcement not shown.

CHANGED TO: 9 of 15	·	
ROADSIDE	SIGN AS	SEMBLY-6
	INDEX	SHEET
ASSEMBLIES	700-120	8 of 11





LAST REVISION - 11/01/23 11/01/21



FY 2023-24 STANDARD PLANS

ENHANCED HIGHWAY SIGNING

- 1. Type A1 Assembly (conventionally powered) is shown.
- 2. Blank Out Sign visors are optional.
- 3. Foundation reinforcement not shown.

CHANGED TO: 11 of 1	5	
ROADSIDE	SIGN AS	SEMBLY-8
ACCEMDITEC	INDEX	SHEET
ASSEMBLIES	700-120	10 of 11

ROADSIDE SIGN ASSEMBLY -9

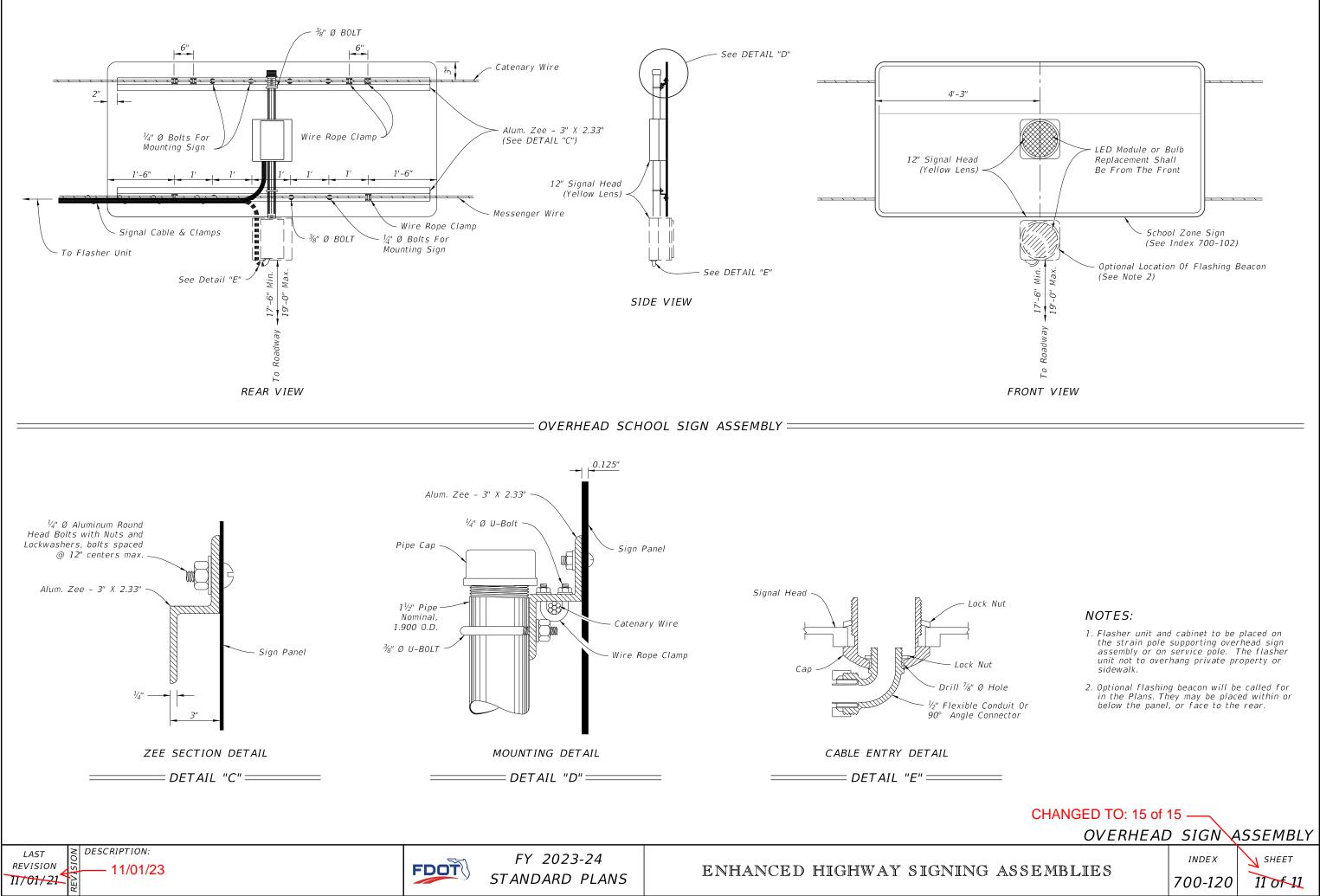
700-120 12 of 15

ROADSIDE SIGN ASSEMBLY -10

700-120 13 of 15

ROADSIDE SIGN ASSEMBLY -11

700-120 14 of 15



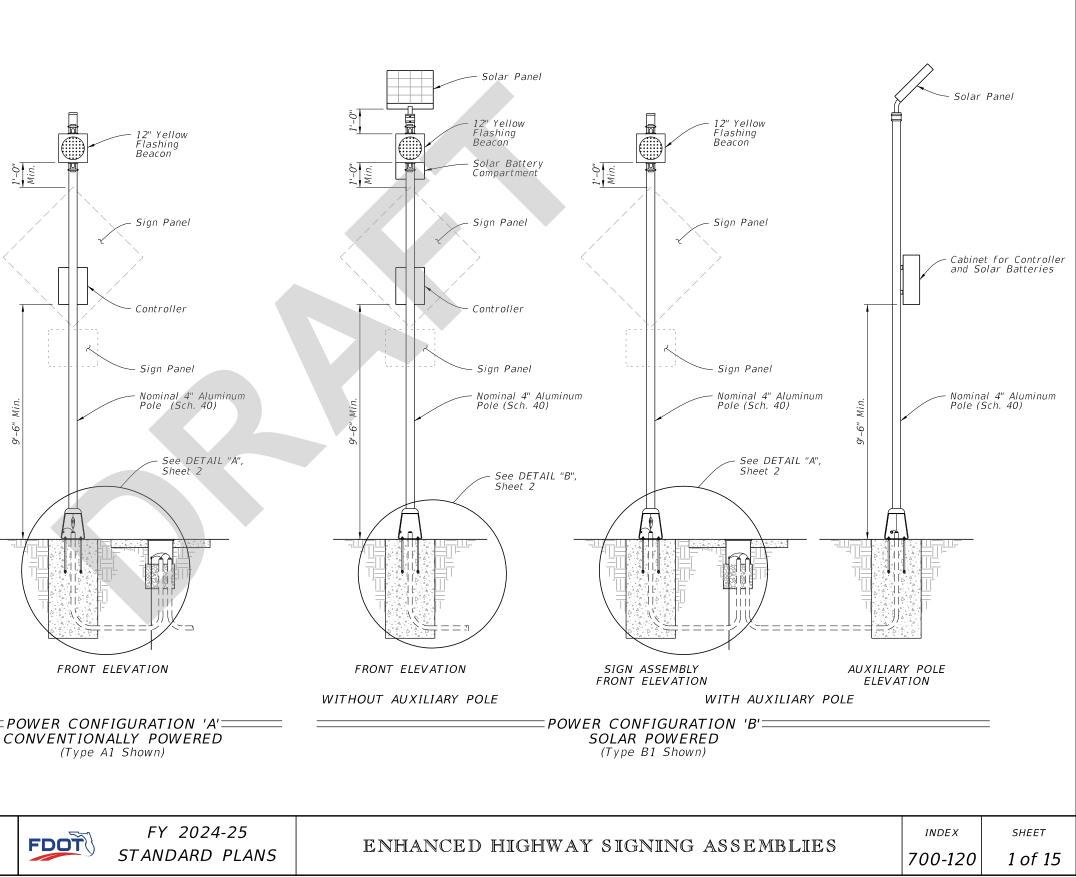
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<i>T</i>	ABLE OF CONTENTS:
Sheet	Description
1	General Notes and Contents
2	Conduit, Wiring, and Foundation Details
3	Spread Footing Foundation
4	Roadside Sign Assembly-1
5	Roadside Sign Assembly-2
6	Roadside Sign Assembly-3
7	Roadside Sign Assembly-4
8	Roadside Sign Assembly-5
9	Roadside Sign Assembly-6
10	Roadside Sign Assembly-7
11	Roadside Sign Assembly-8
12	Roadside Sign Assembly-9
13	Roadside Sign Assembly-10
14	Roadside Sign Assembly-11
15	Overhead Sign Assembly

GENERAL NOTES:

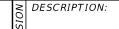
- 1. Meet the regirements of Specifications 646 and 700.
- 2. Engage all threads on the transformer base and post unless the aluminum post is fully seated into base.
- 3. Install a concrete slab around all roadside assemblies on slopes 6:1 or greater. The minimum slab dimension is 6" by 4'-0" by 5'-0".
- 4. When wire entry holes are drilled in the sign column, use a bushing or rubber grommet to protect conductors.

POWER CONFIGURATION 'B' NOTES:

- 1. Install a separate pole for mounting the solar panel, controller and batteries for all roadside assemblies with solar panels, controllers and batteries weighing more than 170 lbs.
- 2. Install the auxiliary pole as close to the right of way boundary as possible.
- 3. Install the auxiliary pole so that the height is the same as the column for the roadside assembly.
- 4. Orient solar panel to face South for optimal exposure to sunlight.
- 5. The controller and the solar batteries may be located in the same compartment.



LAST REVISION 11/01/23



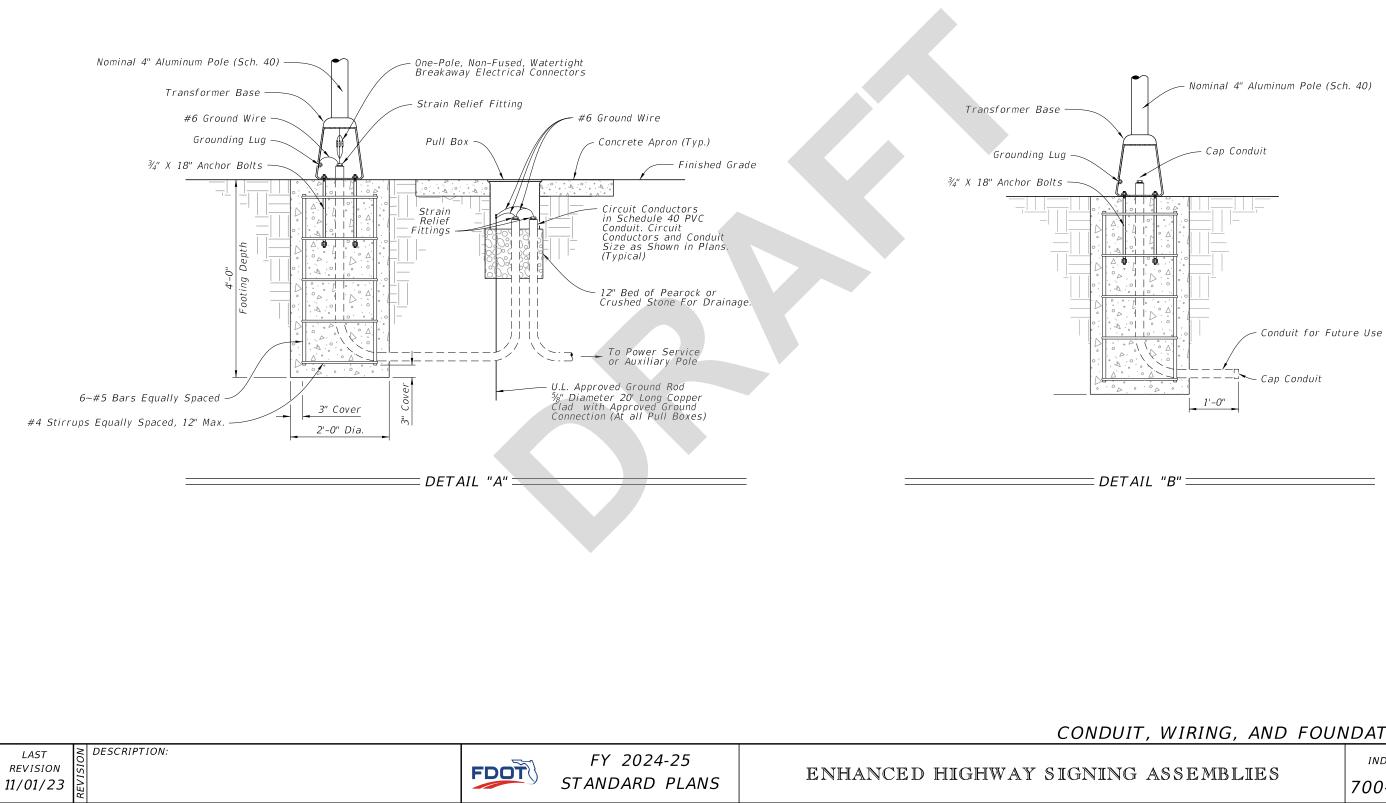


1'-0" Min.

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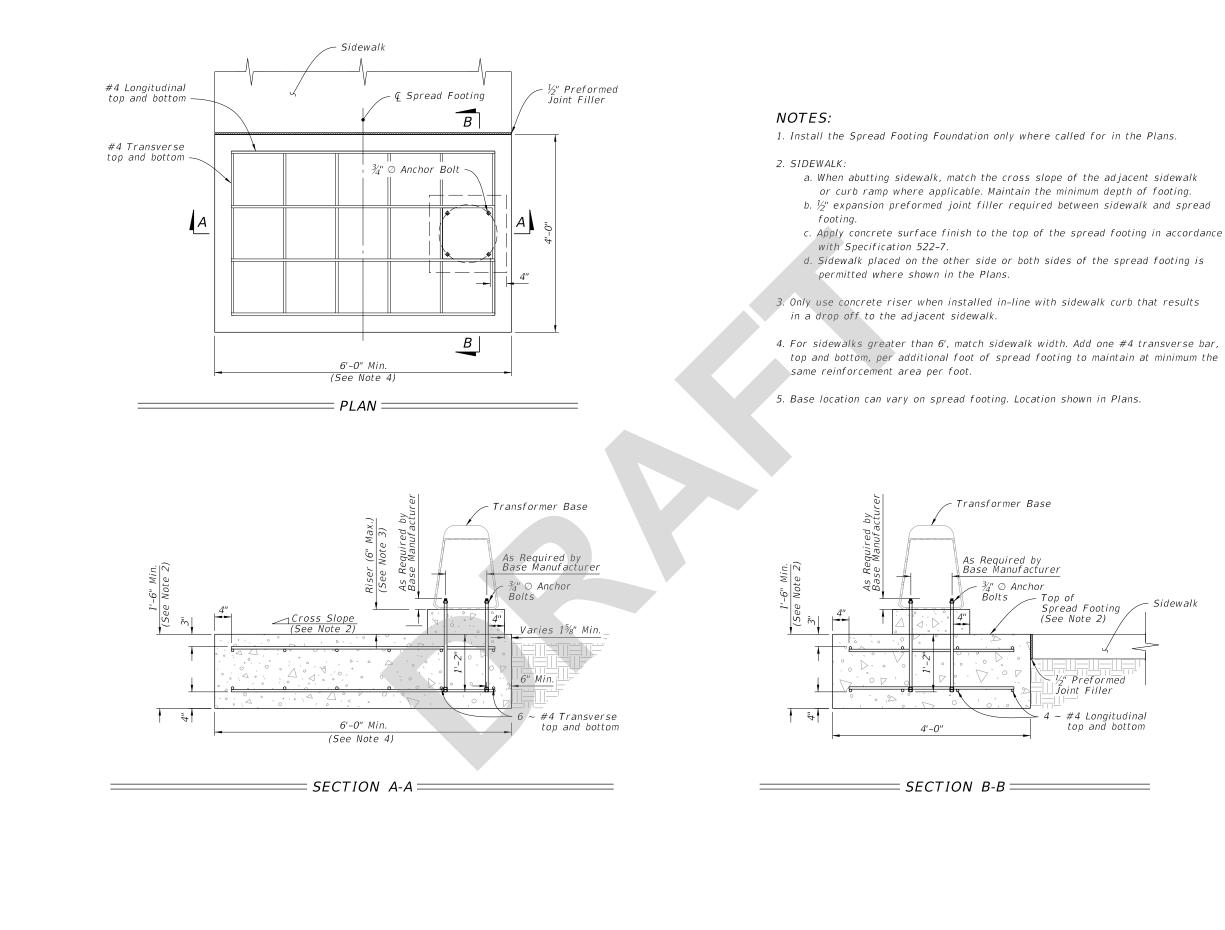
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Τ,	WIRING,	AND	FOUN	IDATION	DETAILS
				INDEX	SHEET

ASSEMBLIES 700-120 2 of 15		INDEX	SHEET
	ASSEMBLIES	700-120	2 of 15



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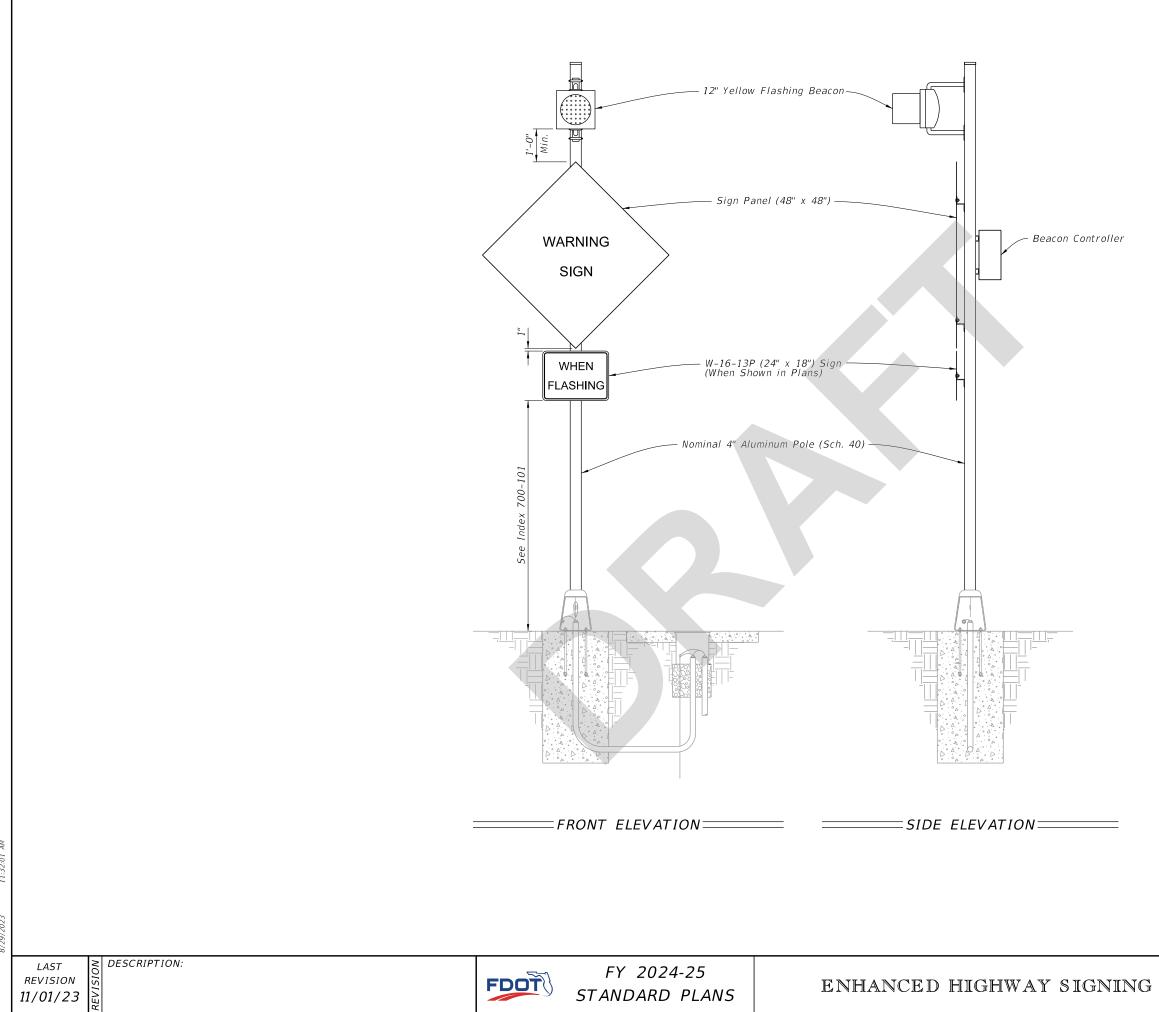


FY 2024-25 STANDARD PLANS

ENHANCED HIGHWAY SIGNING

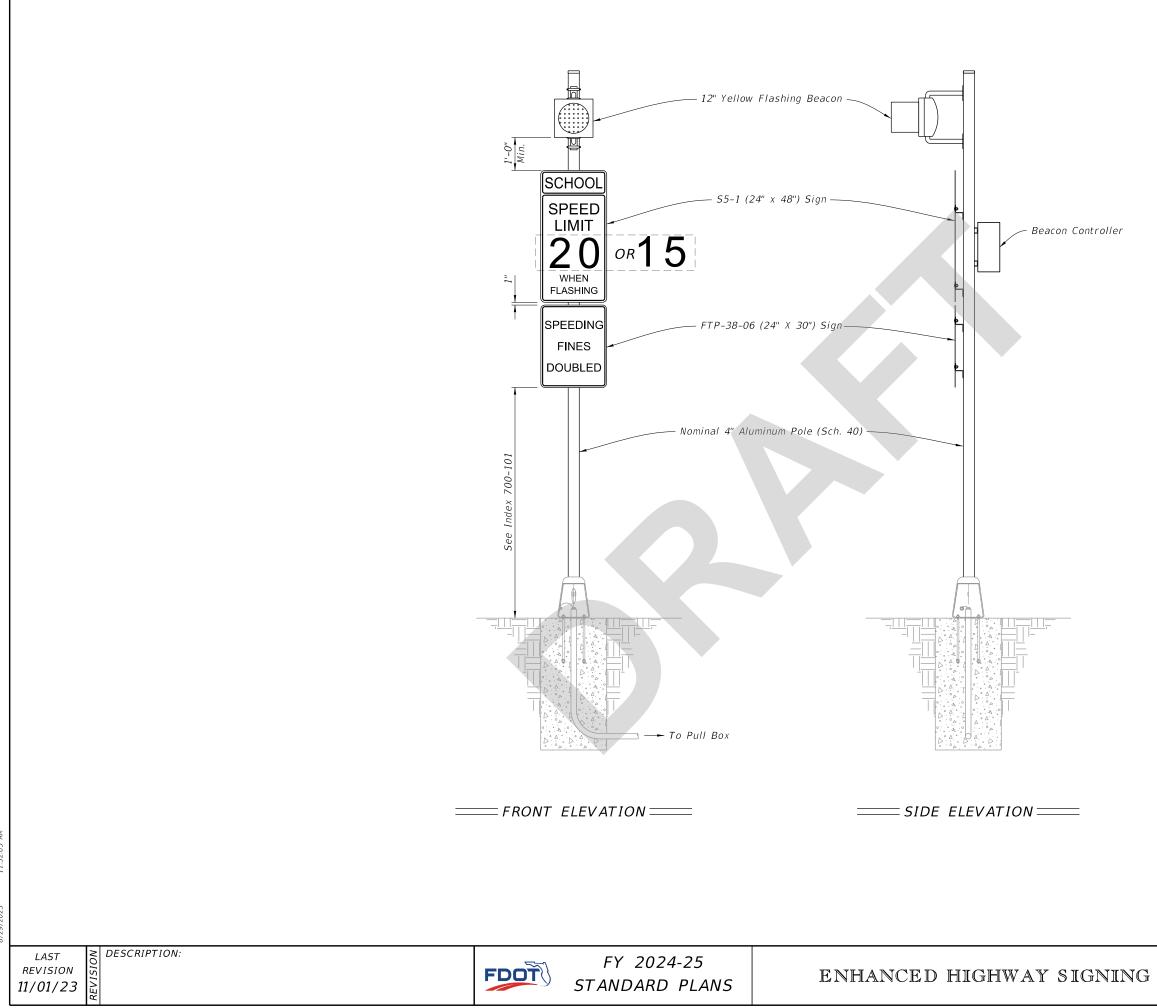
SPREAD FOOTING FOUNDATION

ASSEMBLIES	INDEX	SHEET
9 0 0 11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	700-120	3 of 15



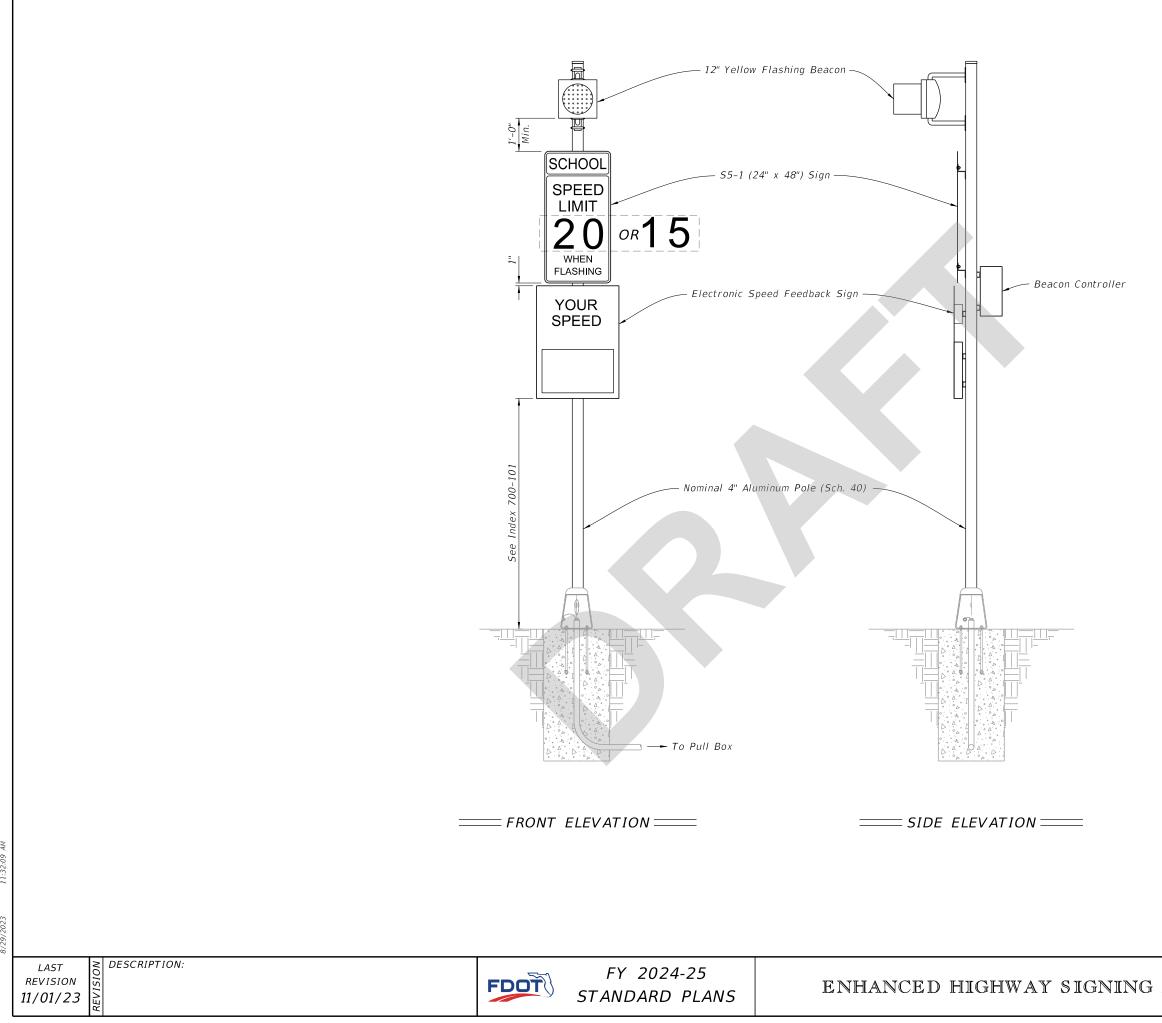
- 1. Type A1 Assembly (conventionally powered) is shown. Type B1 Assemblies (solar powered) similar.
- 2. Foundation reinforcement not shown.

ASSEMBLIES	INDEX	SHEET
AOOEMDLIEO	700-120	4 of 15



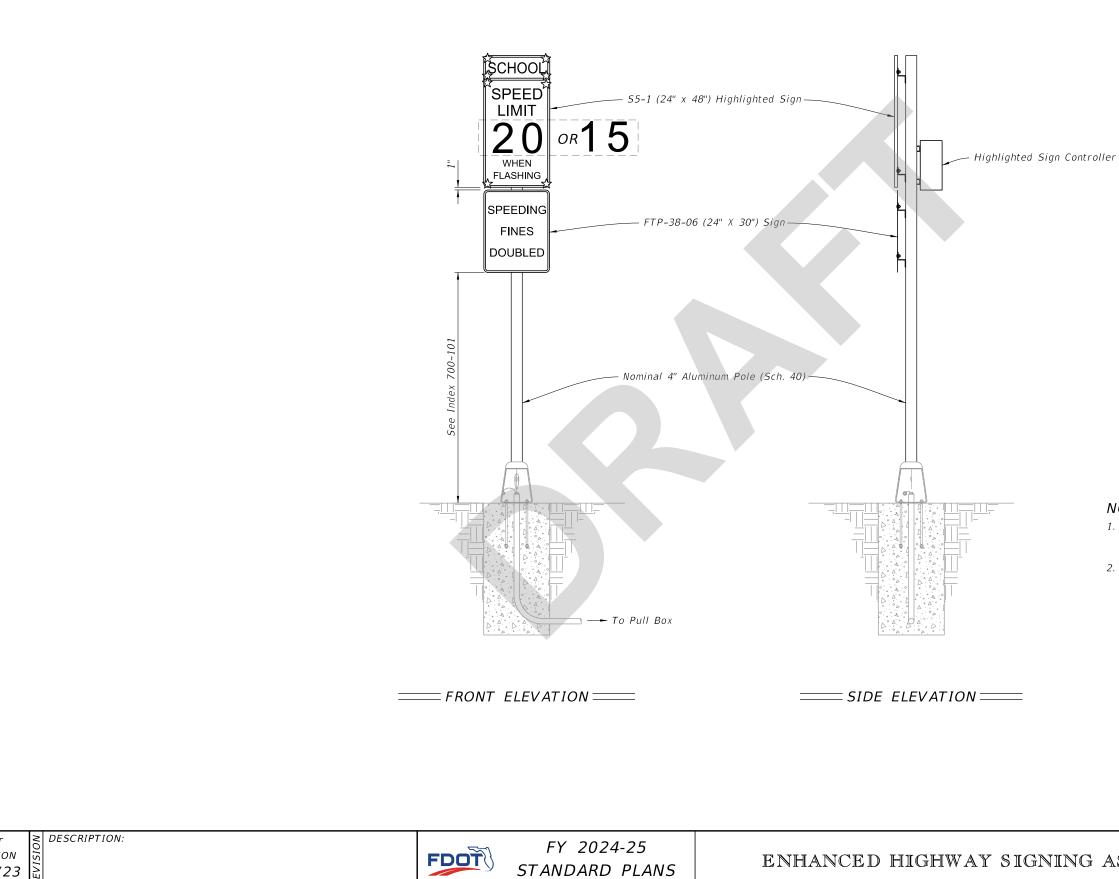
- 1. Type A2 Assembly (conventionally powered) is shown. Type B2 Assemblies (solar powered) similar.
- 2. Foundation reinforcement not shown.

ASSEMBLIES	INDEX	SHEET
A99 E MIDLIE9	700-120	5 of 15



- 1. Type A3 Assembly (conventionally powered) is shown. Type B3 Assemblies (solar powered) similar.
- 2. Use electronic speed feedback sign with 15" high numerals for posted speed of 45 mph or less, and 18" high numerals for posted speeds greater than 45 mph.
- 3. Foundation reinforcement not shown.

ASSEMBLIES	INDEX	SHEET
WOOFMD DIFO	700-120	6 of 15



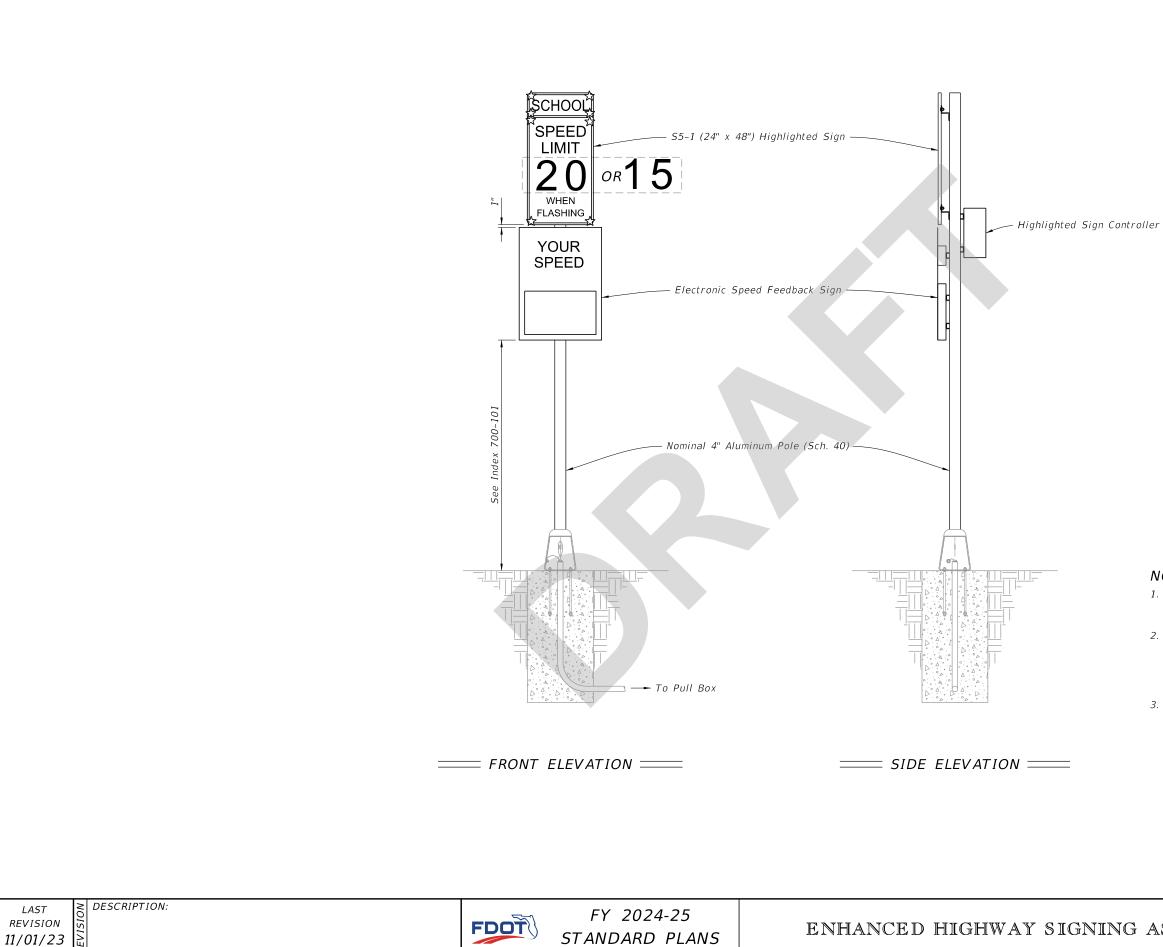
LAST REVISION 11/01/23



NOTES:

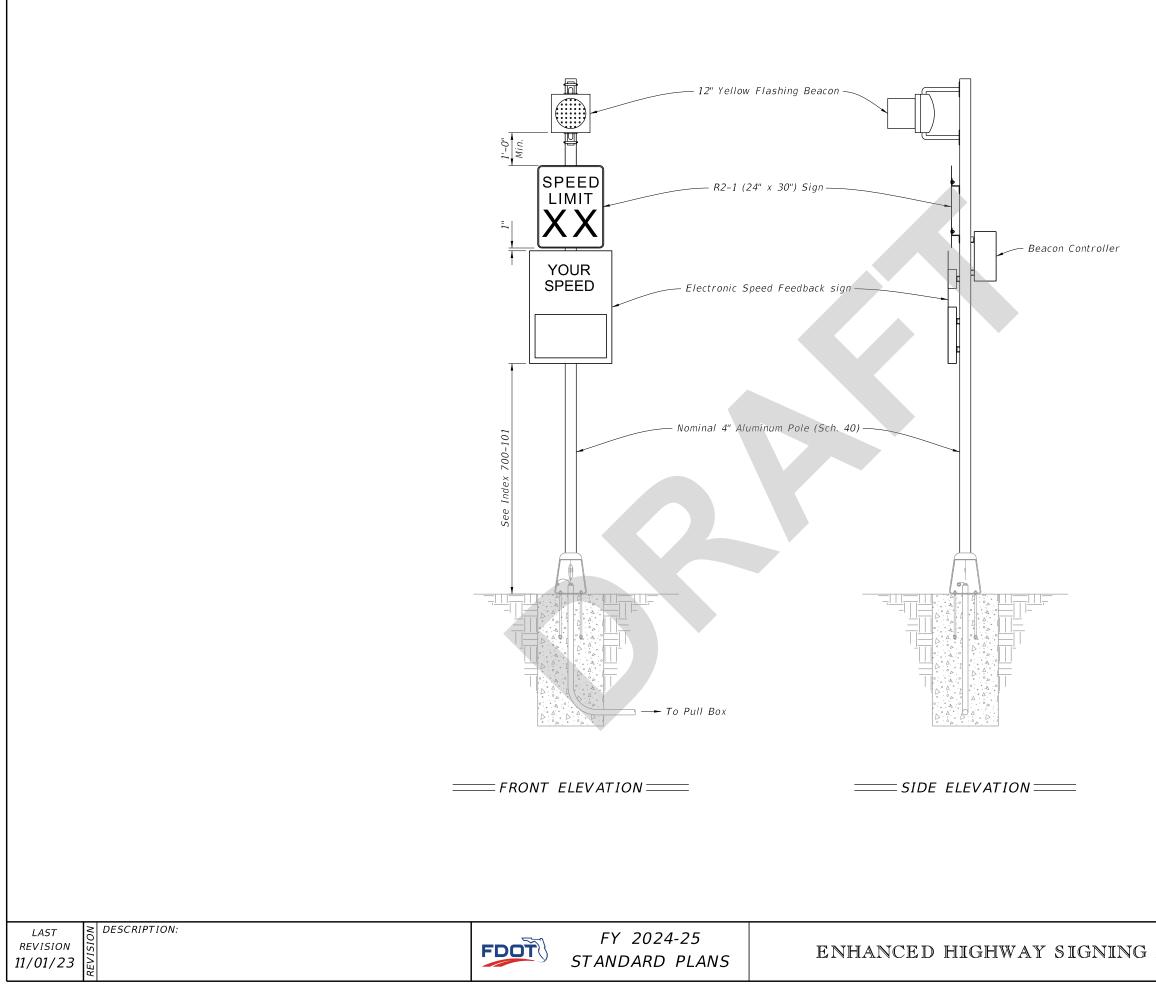
- 1. Type A4 Assembly (conventionally powered) is shown. Type B4 Assemblies (solar powered) similar.
- 2. Foundation reinforcement not shown.

ASSEMBLIES	INDEX	SHEET
AOOEMDLIEO	700-120	7 of 15



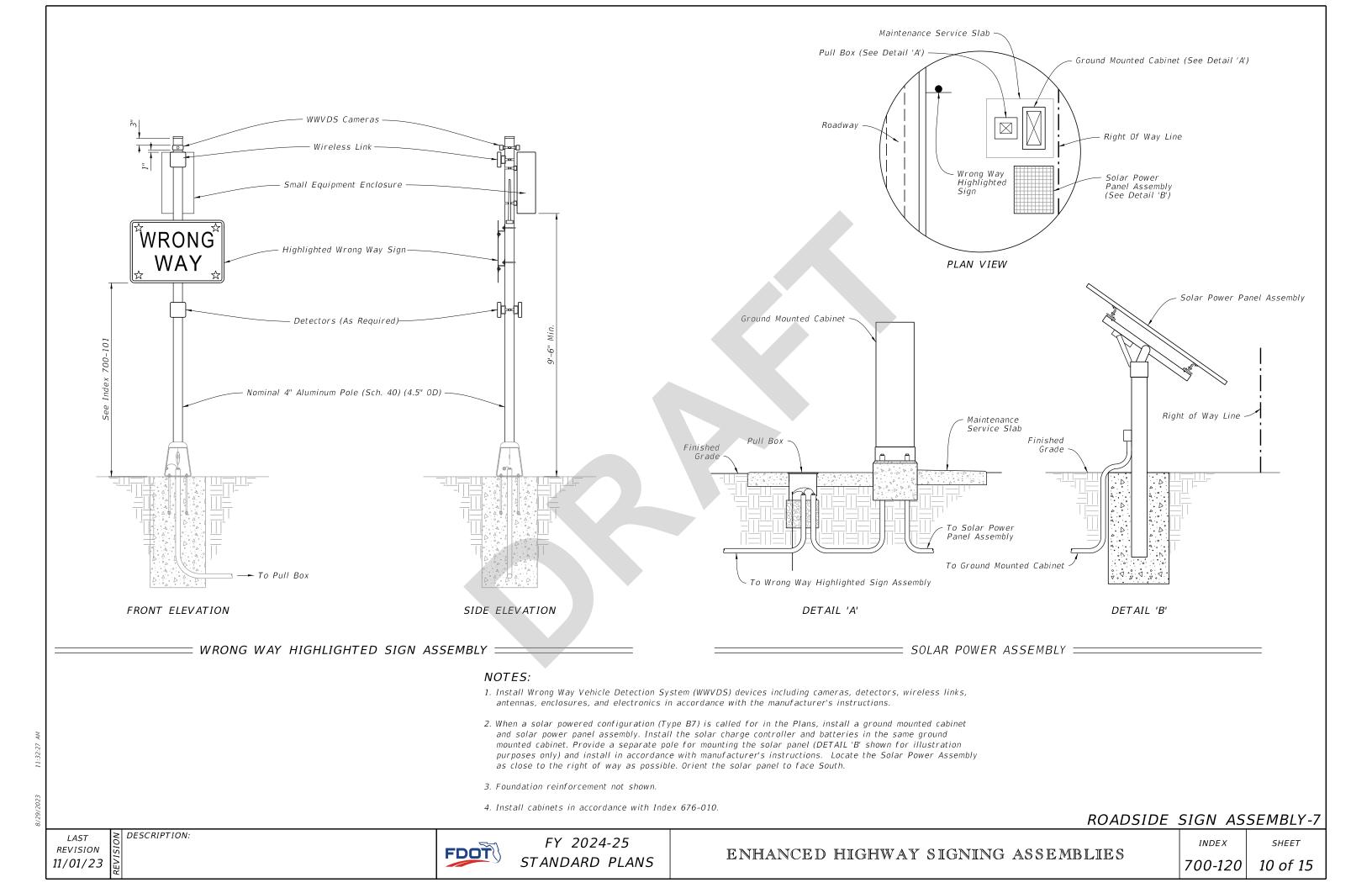
- 1. Type A5 Assembly (conventionally powered) is shown. Type B5 Assemblies (solar powered) similar.
- 2. Use electronic speed feedback sign with 15" high numerals for posted speed of 45 mph or less, and 18" high numerals for posted speeds greater than 45 mph.
- 3. Foundation reinforcement not shown.

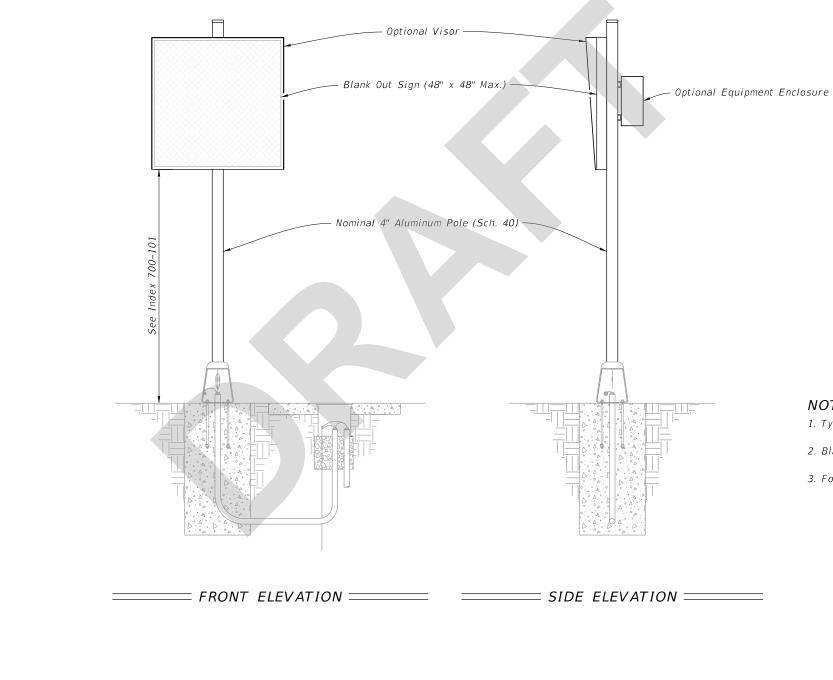
ASSEMBLIES	INDEX	SHEET
	700-120	8 of 15



- Type A6 Assembly (conventionally powered) is shown. Type B6 Assemblies (solar powered) similar.
- 2. Use electronic speed feedback sign with 15" high numerals for posted speed of 45 mph or less, and 18" high numerals for posted speeds greater than 45 mph.
- 3. Foundation reinforcement not shown.

ACCEMBITEC	INDEX	SHEET
ASSEMBLIES	700-120	9 of 15





LAST REVISION



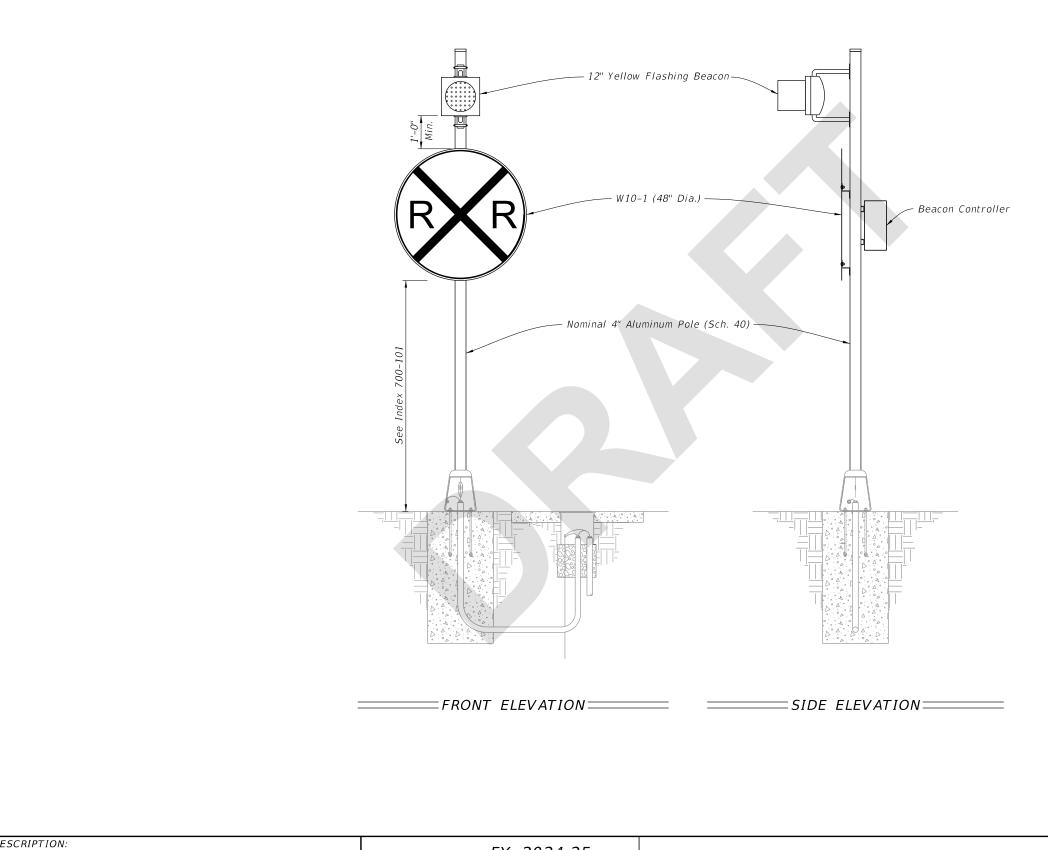
FY 2024-25 STANDARD PLANS

ENHANCED HIGHWAY SIGNING

NOTES:

- 1. Type A8 Assembly (conventionally powered) is shown.
- 2. Blank Out Sign visors are optional.
- 3. Foundation reinforcement not shown.

ASSEMBLIES	INDEX	SHEET
A99 CINDLIC9	700-120	11 of 15



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REVISION	SIG	
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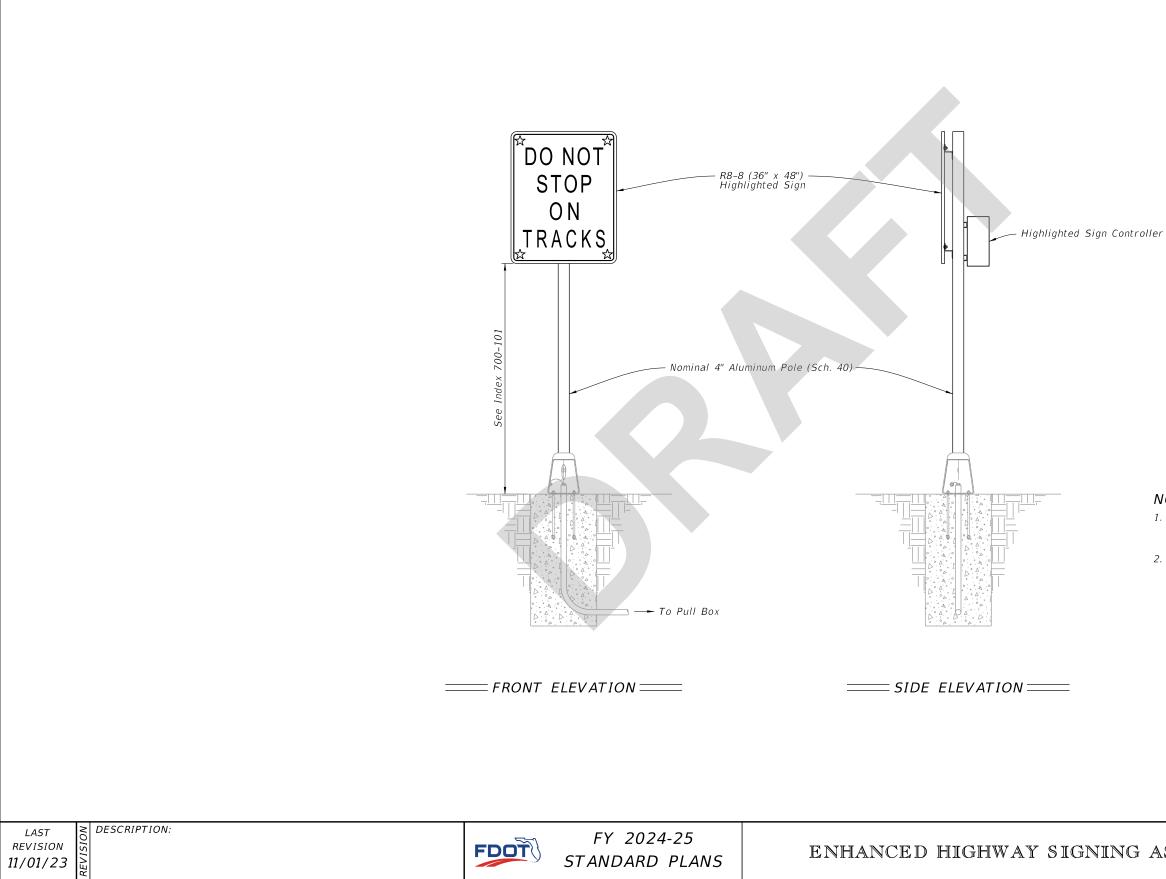
FY 2024-25 STANDARD PLANS

ENHANCED HIGHWAY SIGNING

NOTES:

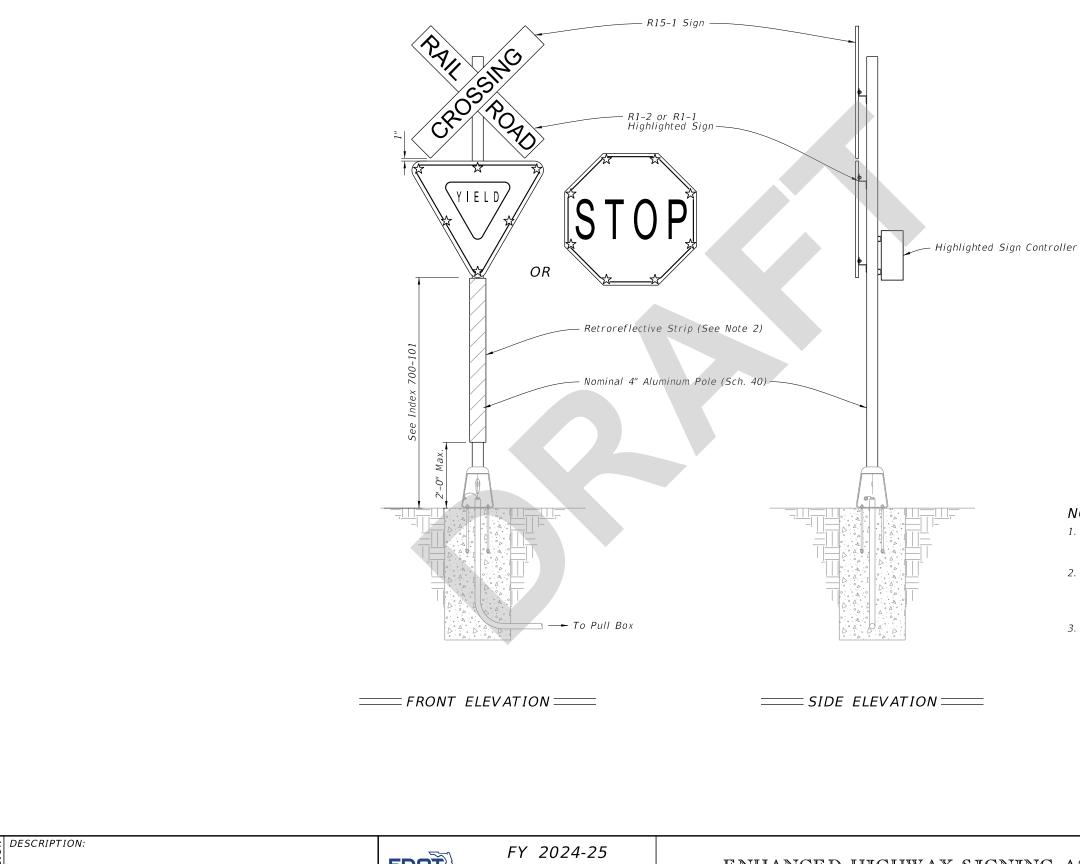
- Type A9 Assembly (conventionally powered) is shown. Type B9 Assemblies (solar powered) similar.
- 2. Foundation reinforcement not shown.

ASSEMBLIES	INDEX	SHEET
	700-120	12 of 15



- 1. Type A10 Assembly (conventionally powered) is shown. Type B10 Assemblies (solar powered) similar.
- 2. Foundation reinforcement not shown.

ASSEMBLIES	INDEX	SHEET
A99 FID LIC 9	700-120	13 of 15



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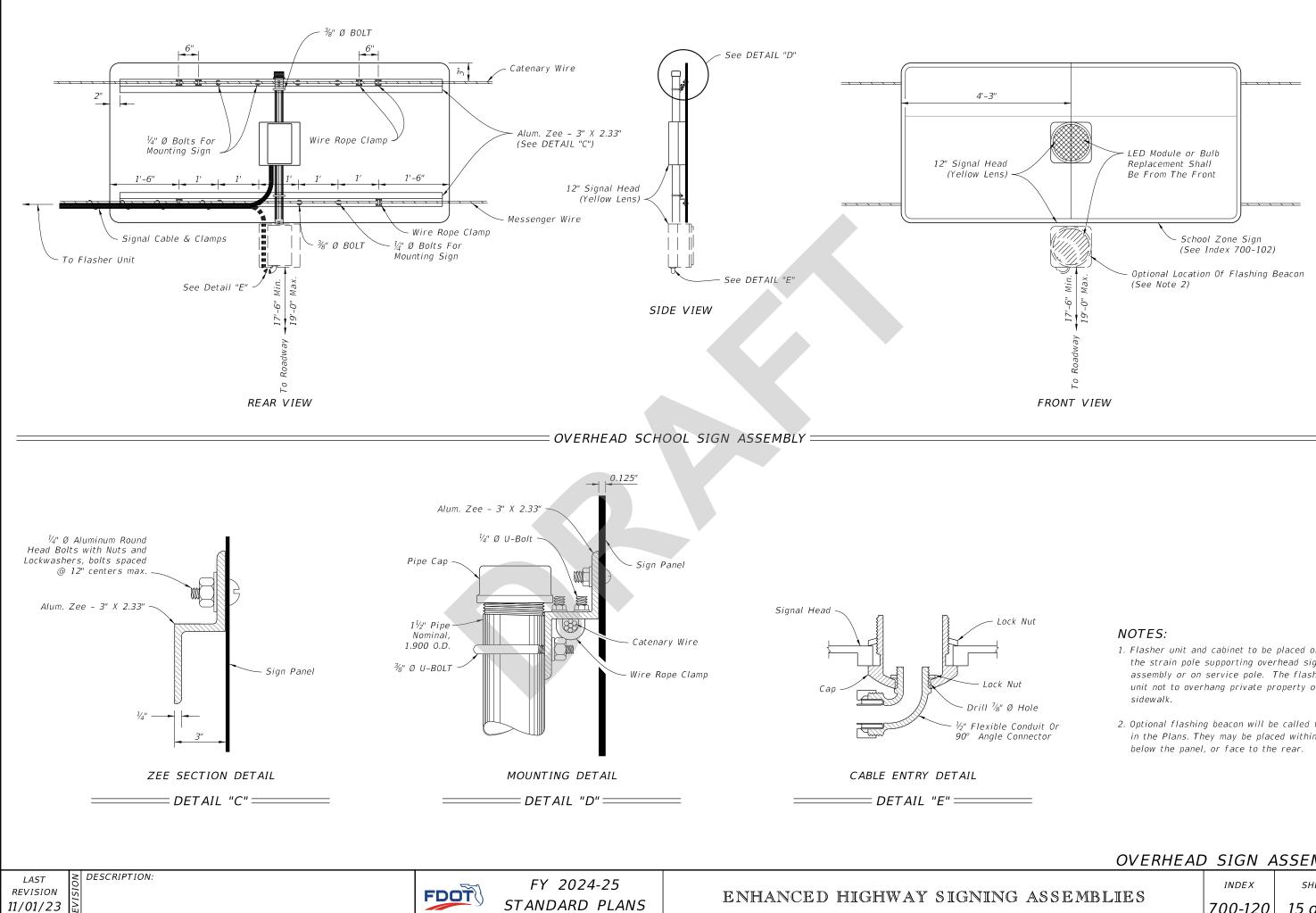
STANDARD PLANS

ENHANCED HIGHWAY SIGNING

NOTES:

- 1. Type A11 Assembly (conventionally powered) is shown. Type B11 Assemblies (solar powered) similar.
- 2. Install red retroreflective strip on front and white retroreflective strip on back in accordance with Specification 700.
- 3. Foundation reinforcement not shown.

ASSEMBLIES	INDEX	SHEET
	700-120	14 of 15



- 1. Flasher unit and cabinet to be placed on the strain pole supporting overhead sign assembly or on service pole. The flasher unit not to overhang private property or
- 2. Optional flashing beacon will be called for in the Plans. They may be placed within or

OVERHEAD SIGN ASSEMBLY

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