

Origination Form
Proposed Revisions to a Standard Plans Index

Originator:	Saha, Dibakar	Index Number:	654-001
Date:	7/7/2025	Sheet Number(s):	1
E-mail:	dibakar.saha@dot.state.fl.us	Index Title:	Rectangular Rapid Flashing Beacon Assembly

Summary of the changes:

Sheet 1: Deleted the 1'-0" dimension and corrected the size of the beacon in FRONT ELEVATION and DETAIL "A"; Added Note 13 "See Standard Plans Index 700-010 for sign dimensions."; Added "(See Note 13)" to the W16-7P Sign in the ADJACENT TO SIDEWALK Detail.

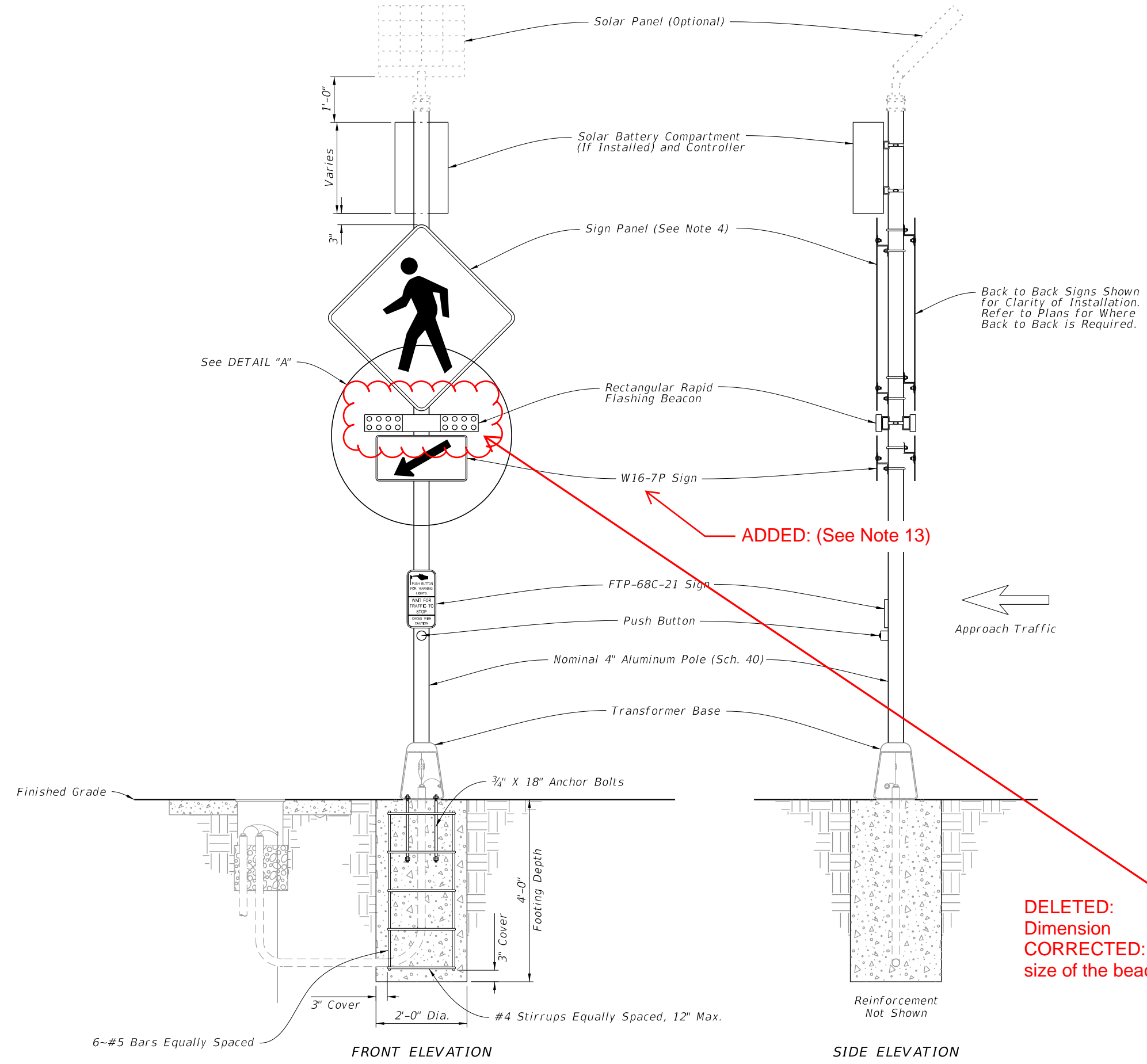
Commentary/Background:

Updated W16-7P and Rectangular Rapid Flashing Beacon (RRFB) depiction to more accurately represent dimensions. As W16-7P dimensions depend on the size of W11-2 sign panel, a note 13 was added to send the user to Standard Plans Index 700-010 for the appropriate dimensions.

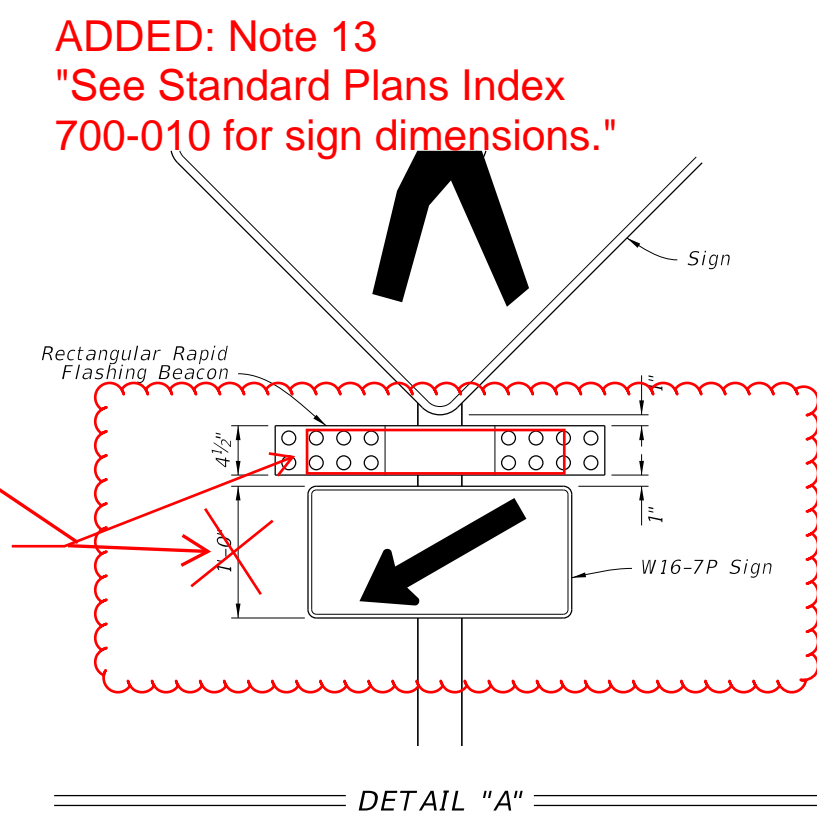
Other Affected Documents/Offices	Person Contacted	Affected (Yes/No)
Other Standard Plans		No
FDOT Design Manual		No
Standard Specifications		No
Basis of Estimates Manual		No
Approved Product List		No
Construction Office		No
Maintenance Office		No

Implementation

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- NOTES:**
1. A transformer base is required for both conventionally-powered and solar-powered applications. Install pull box, conduit, wiring, and grounding in accordance with Index 700-120 based on the powering configuration called for in the Plans.
 2. Install the RRFB in pairs, one on either side of approach traffic.
 3. Install controller on the backside of post from approach traffic.
 4. W11-2 sign panel shown, others similar. Use 30" X 30" sign panels for two-lane roadways and 36" X 36" sign panels on multilane roadways.
 5. Install push button and FTP-68C-21 sign in accordance with Index 665-001.
 6. Engage all threads on the transformer base and post unless the aluminum post is fully seated into base.
 7. Meet the requirements of Specification 646.
 8. Install a concrete slab around all pull boxes. The minimum slab dimension is 4'-0" by 4'-0". In urban areas where space is limited slab dimensions may be adjusted as shown in the Plans.
 9. For assemblies connected to conventional power, provide single pole non-fused watertight breakaway electrical connectors in the frangible transformer base.
 10. When wire entry holes are drilled in the sign column, use a bushing or rubber grommet to protect conductors.
 11. For solar-powered applications, orient solar panel to face South for optimal exposure to sunlight.
 12. In lieu of footing design shown, a Spread Footing may be used in accordance with Index 700-120.

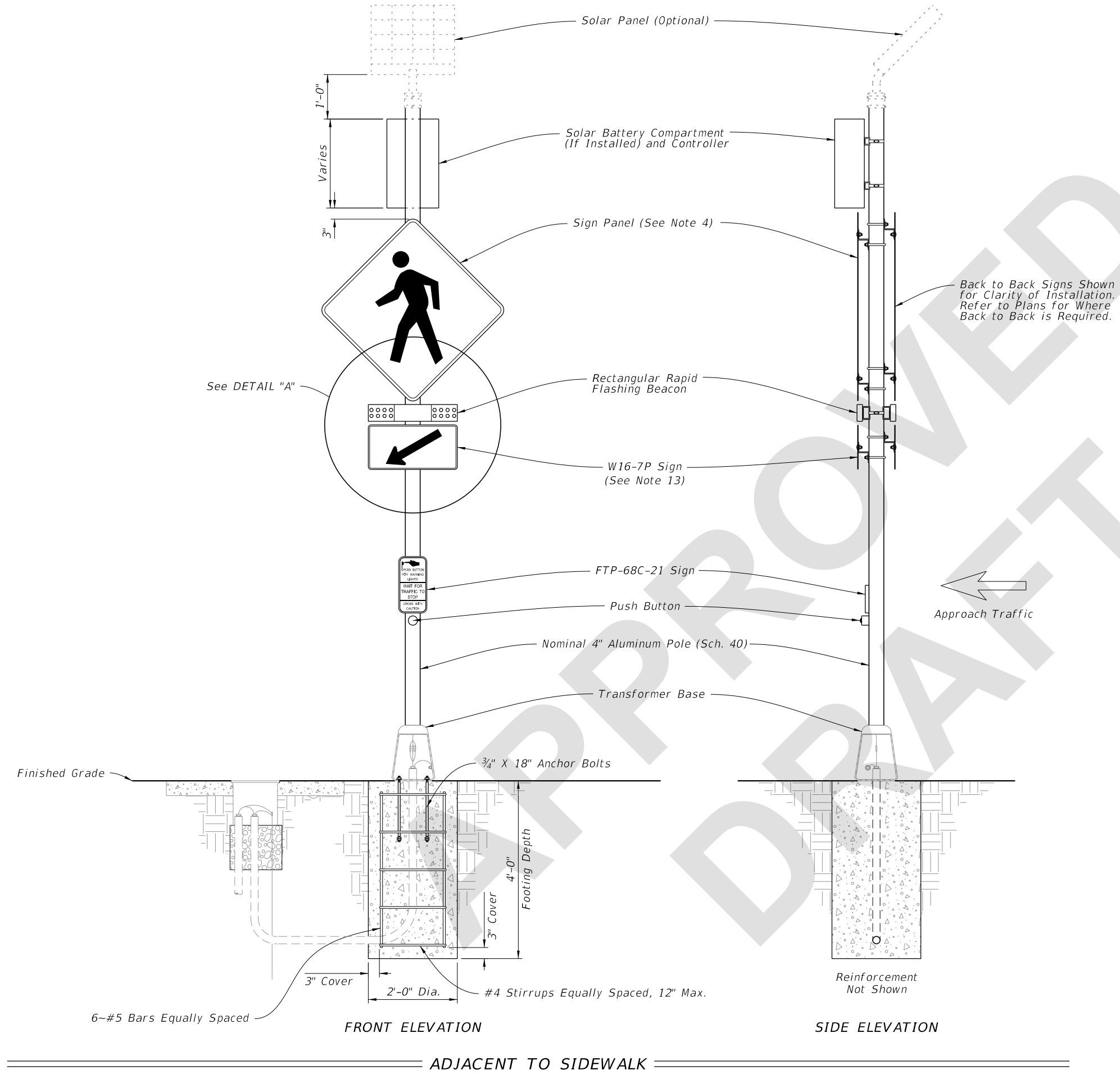


**DELETED:
Dimension
CORRECTED:
size of the beacon**

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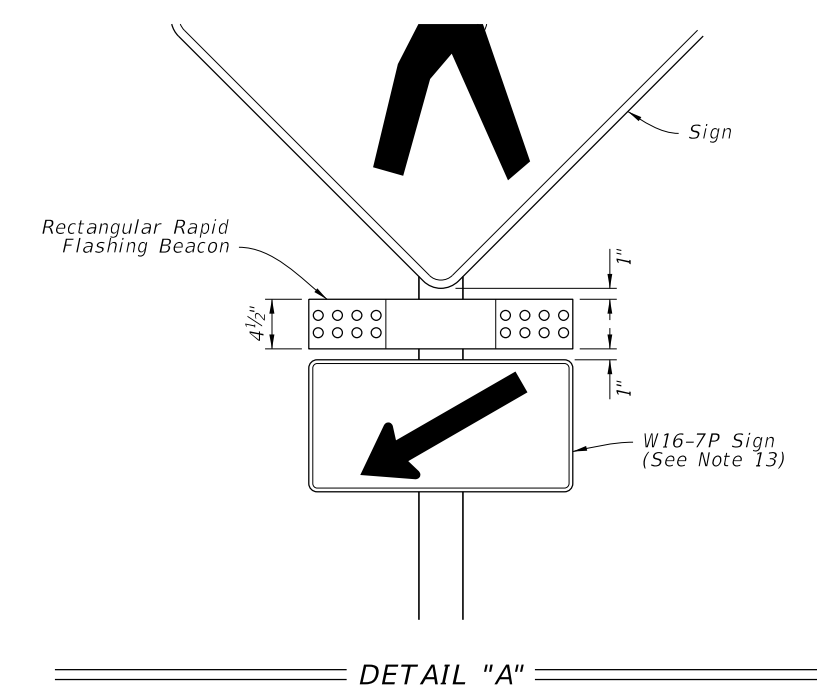
ADJACENT TO SIDEWALK
2026-27

LAST REVISION 11/01/23	DESCRIPTION: 11/01/25	FDOT	FY 2025-26 STANDARD PLANS	RECTANGULAR RAPID FLASHING BEACON ASSEMBLY	INDEX 654-001	SHEET 1 of 2
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NOTES:

1. A transformer base is required for both conventionally-powered and solar-powered applications. Install pull box, conduit, wiring, and grounding in accordance with Index 700-120 based on the powering configuration called for in the Plans.
2. Install the RRFB in pairs, one on either side of approach traffic.
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9. For assemblies connected to conventional power, provide single pole non-fused watertight breakaway electrical connectors in the frangible transformer base.
10. When wire entry holes are drilled in the sign column, use a bushing or rubber grommet to protect conductors.
11. For solar-powered applications, orient solar panel to face South for optimal exposure to sunlight.
12. In lieu of footing design shown, a Spread Footing may be used in accordance with Index 700-120.
13. See Standard Plans Index 700-010 for sign dimensions.



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LAST REVISION 11/01/25	REVISION	DESCRIPTION:		FY 2026-27 STANDARD PLANS	RECTANGULAR RAPID FLASHING BEACON ASSEMBLY	INDEX 654-001	SHEET 1 of 2
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