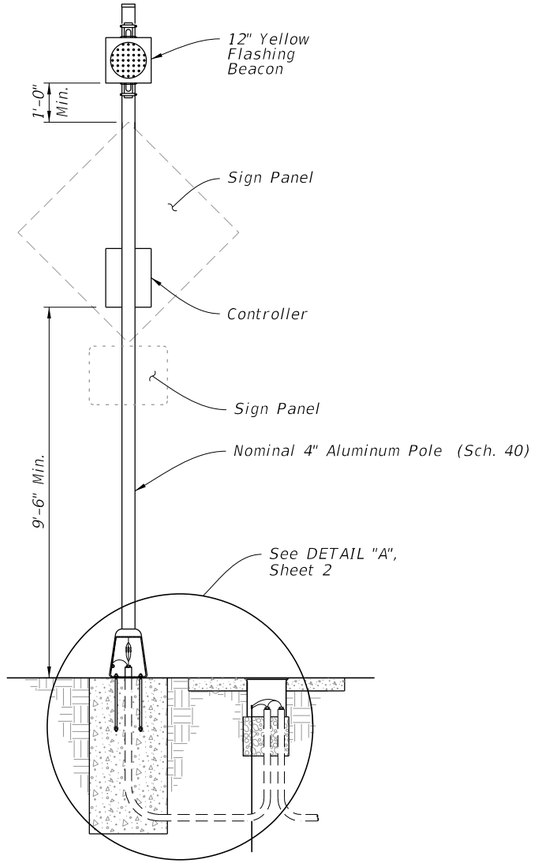
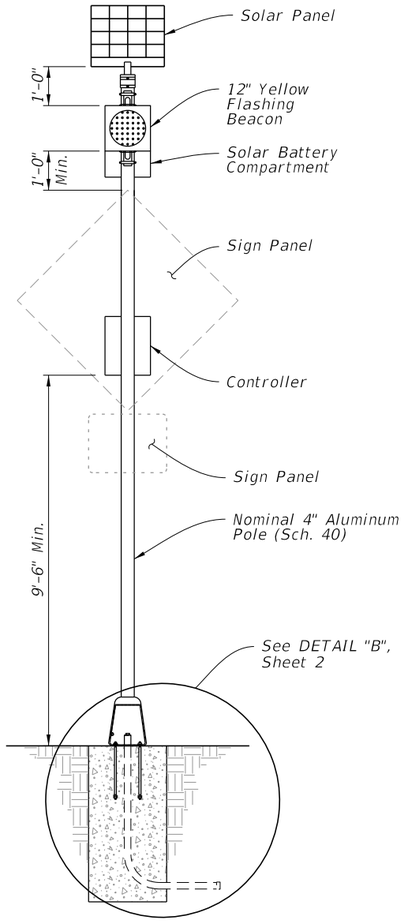
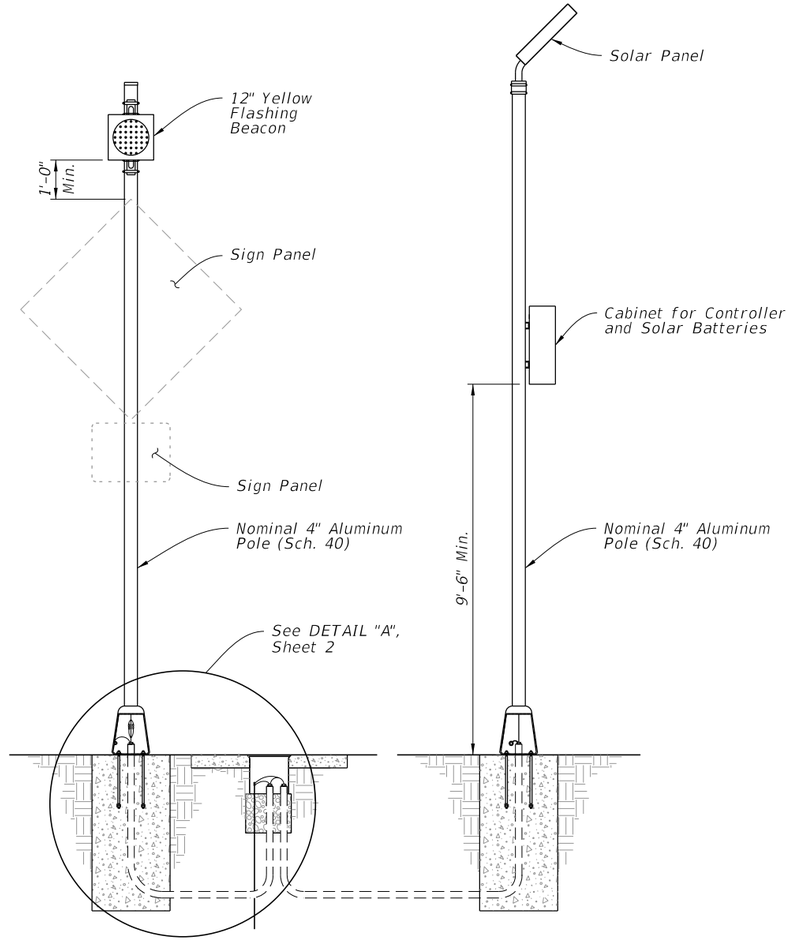


FRONT ELEVATION



FRONT ELEVATION

WITHOUT AUXILIARY POLE



SIGN ASSEMBLY FRONT ELEVATION

AUXILIARY POLE ELEVATION

WITH AUXILIARY POLE

POWER CONFIGURATION 'A' CONVENTIONALLY POWERED

(Type A1 Shown)

GENERAL NOTES:

1. Meet the reqirements 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' SOLAR POWERED

(Type B1 Shown)

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.

TABLE OF CONTENTS:

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1	General Notes and Contents
2	Conduit, Wiring, and Foundation Details
3	Roadside Sign Assembly-1
4	Roadside Sign Assembly-2
5	Roadside Sign Assembly-3
6	Roadside Sign Assembly-4
7	Roadside Sign Assembly-5
8	Roadside Sign Assembly-6
9	Roadside Sign Assembly-7
10	Roadside Sign Assembly-8
11	Overhead Sign Assembly

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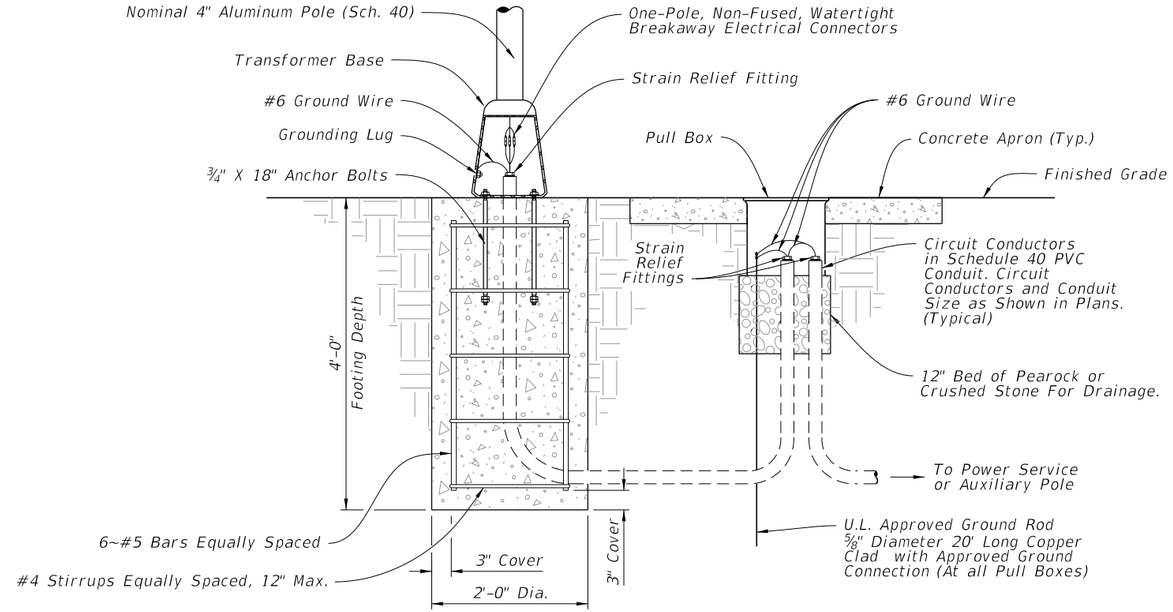
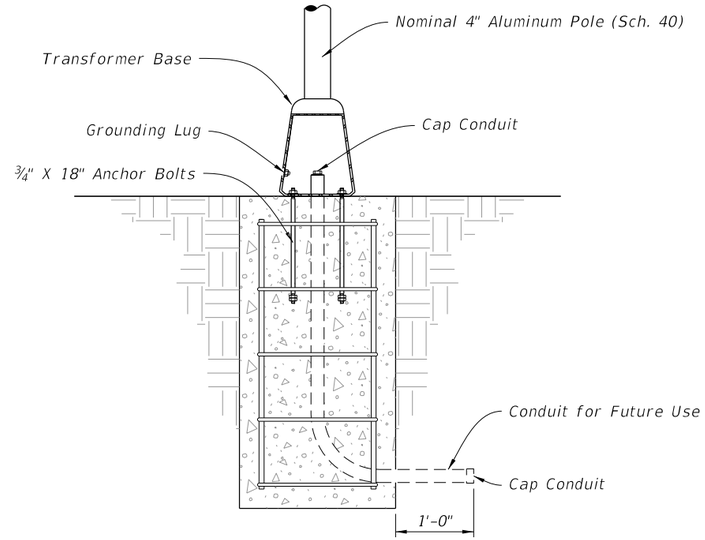


DETAIL "A"



DETAIL "B"

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CONDUIT, WIRING, AND FOUNDATION DETAILS

LAST REVISION	REVISION	DESCRIPTION:	FY 2023-24 STANDARD PLANS	ENHANCED HIGHWAY SIGNING ASSEMBLIES	INDEX	SHEET
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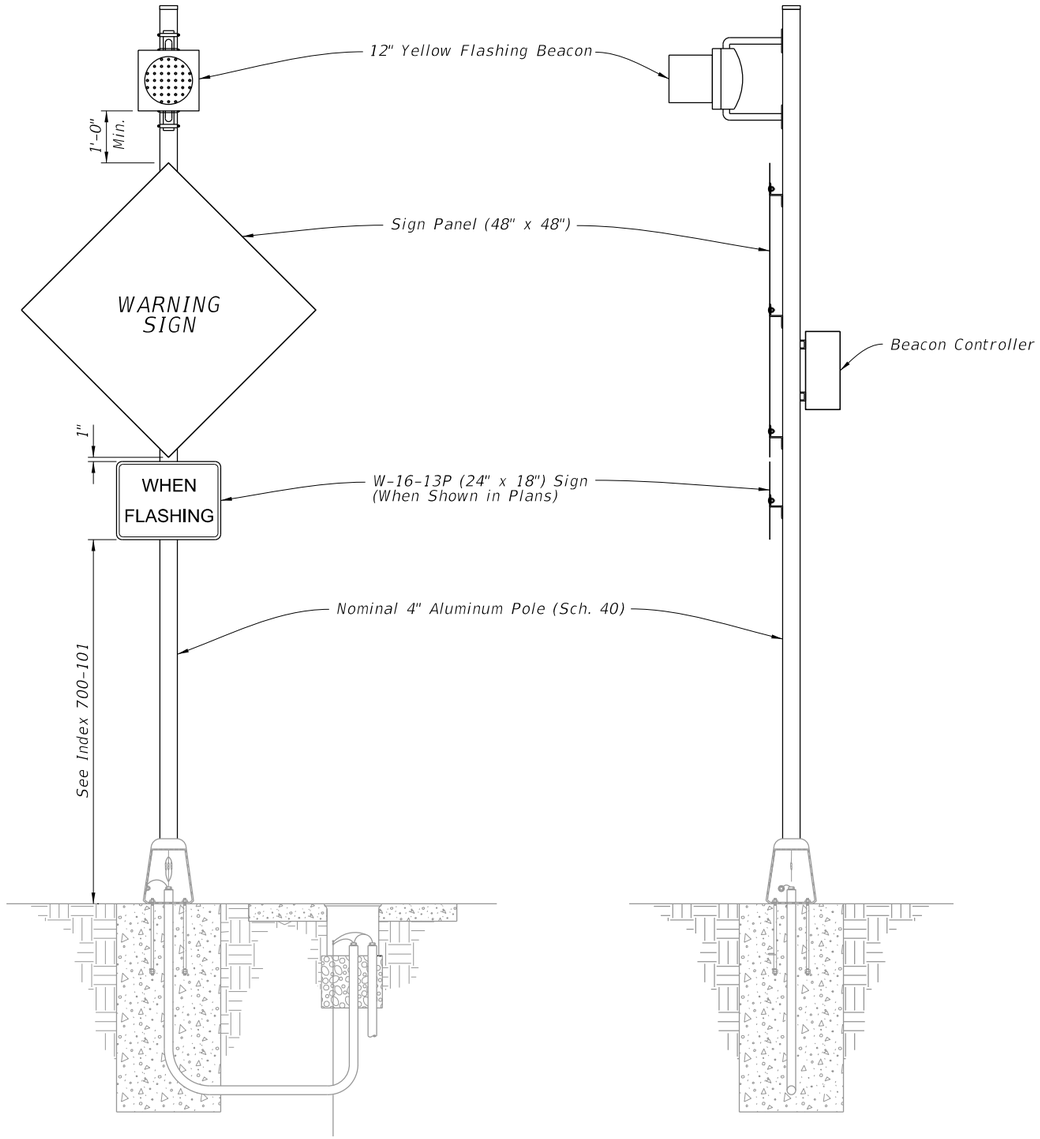


FRONT ELEVATION

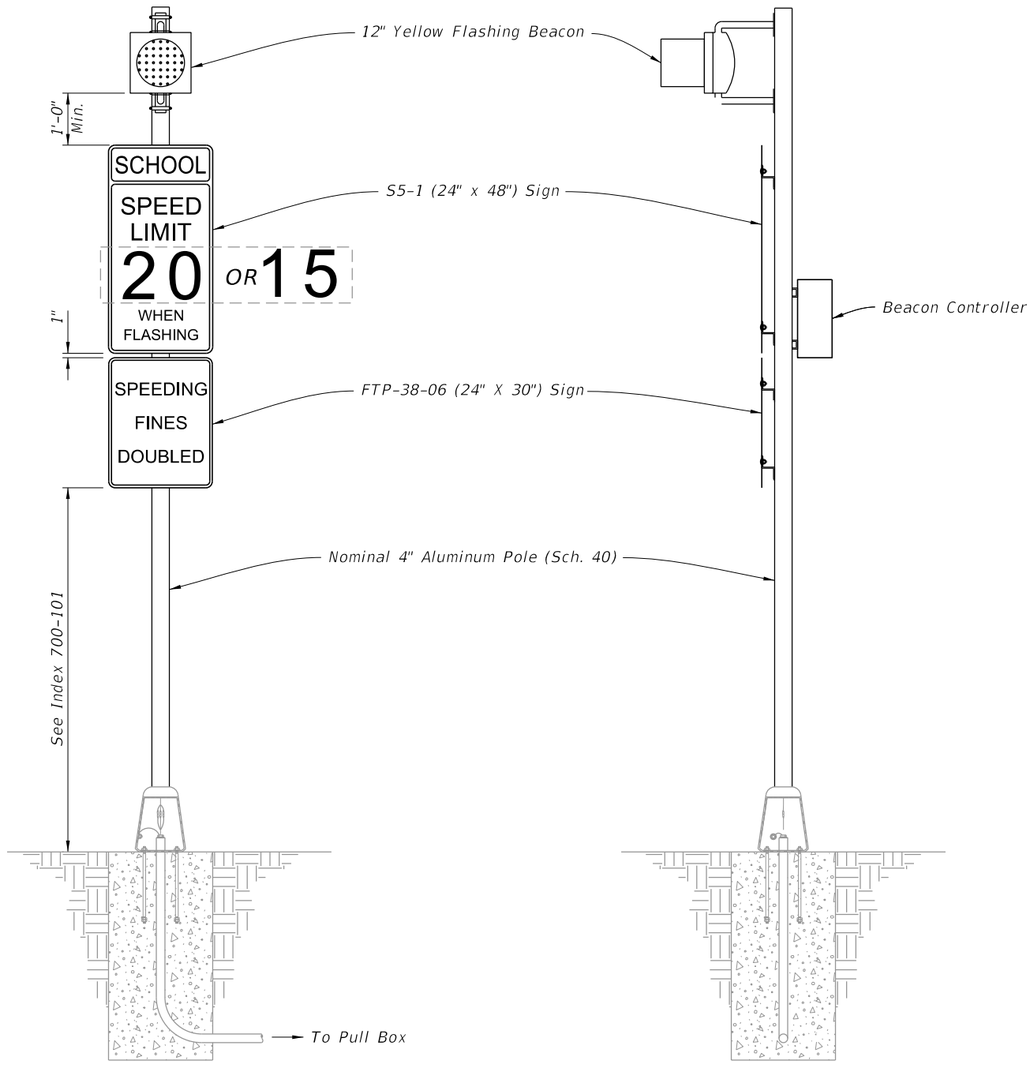
SIDE ELEVATION

NOTES:

1. Type A1 Assembly (conventionally powered) is shown. Type B1 Assemblies (solar powered) similar.

2. Foundation reinforcement not shown.

ROADSIDE SIGN ASSEMBLY-1



FRONT ELEVATION

SIDE ELEVATION

NOTES:

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

ROADSIDE SIGN ASSEMBLY-2

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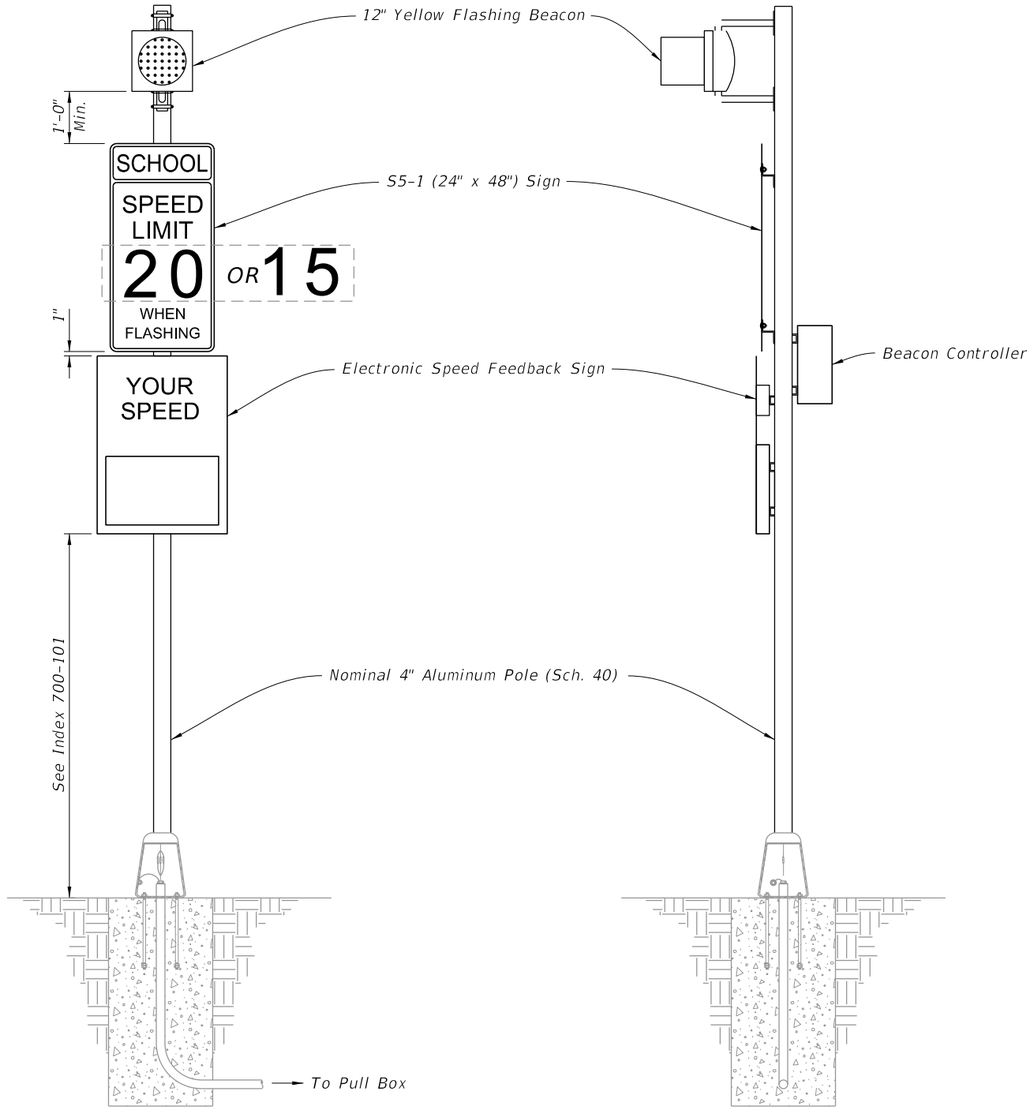
LAST REVISION	REVISION	DESCRIPTION:				
11/01/21			FY 2023-24 STANDARD PLANS	ENHANCED HIGHWAY SIGNING ASSEMBLIES	INDEX 700-120	SHEET 4 of 11



FRONT ELEVATION

SIDE ELEVATION

NOTES:

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.

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ROADSIDE SIGN ASSEMBLY-3

LAST REVISION	REVISION	DESCRIPTION:	FY 2023-24 STANDARD PLANS	ENHANCED HIGHWAY SIGNING ASSEMBLIES	INDEX	SHEET
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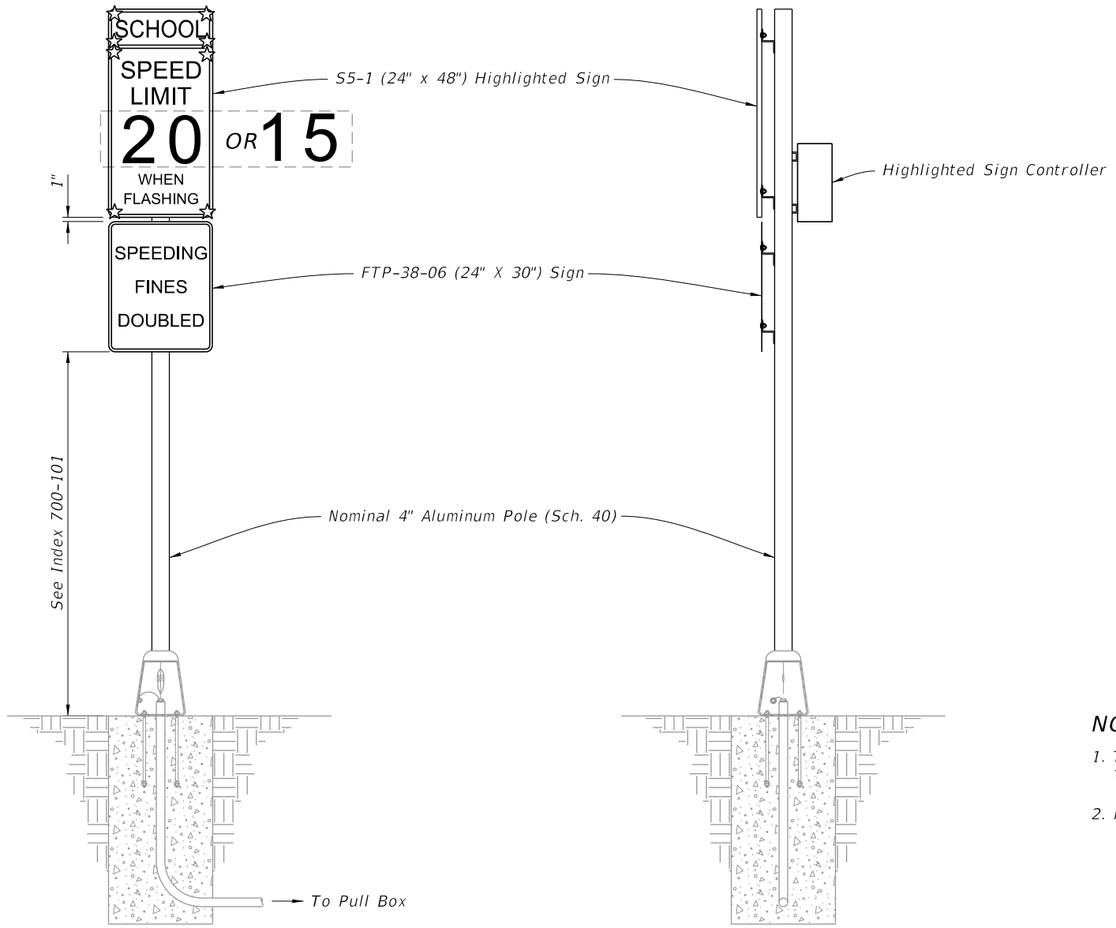

FRONT ELEVATION

SIDE ELEVATION

NOTES:

1. Type A4 Assembly (conventionally powered) is shown. Type B4 Assemblies (solar powered) similar.

2. Foundation reinforcement not shown.

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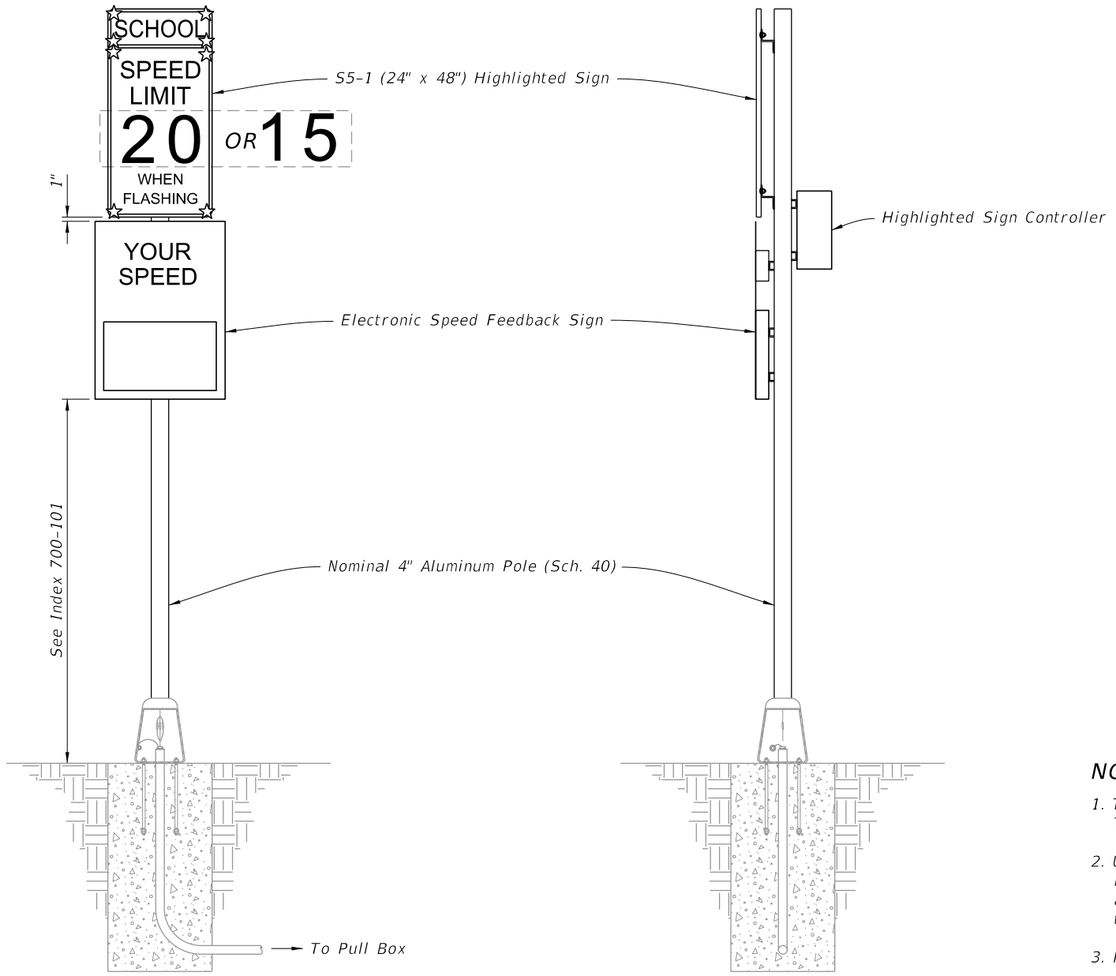
ROADSIDE SIGN ASSEMBLY-4

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/21			FY 2023-24 STANDARD PLANS	ENHANCED HIGHWAY SIGNING ASSEMBLIES	700-120	6 of 11



FRONT ELEVATION

SIDE ELEVATION

NOTES:

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.

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ROADSIDE SIGN ASSEMBLY-5

LAST REVISION	REVISION	DESCRIPTION:	FY 2023-24 STANDARD PLANS	ENHANCED HIGHWAY SIGNING ASSEMBLIES	INDEX	SHEET
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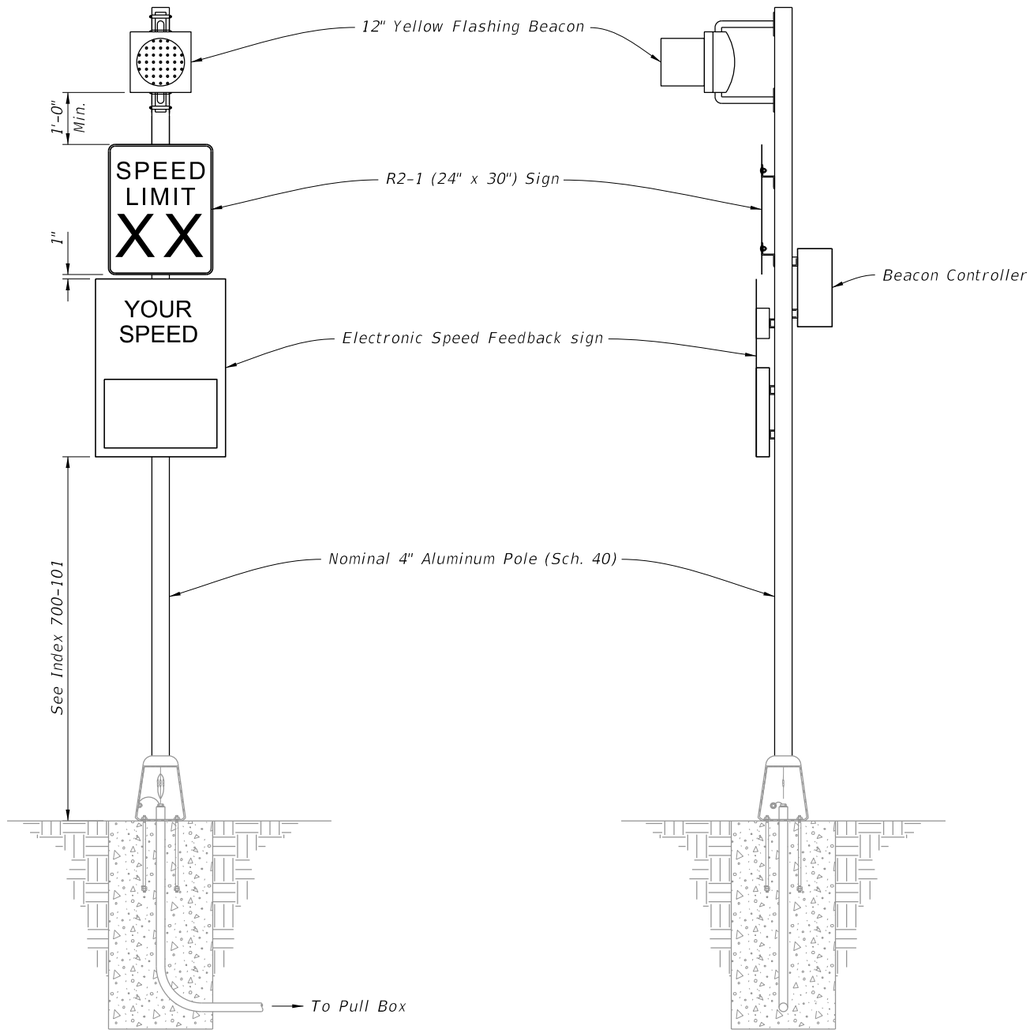

FRONT ELEVATION

SIDE ELEVATION

NOTES:

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.

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ROADSIDE SIGN ASSEMBLY-6

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
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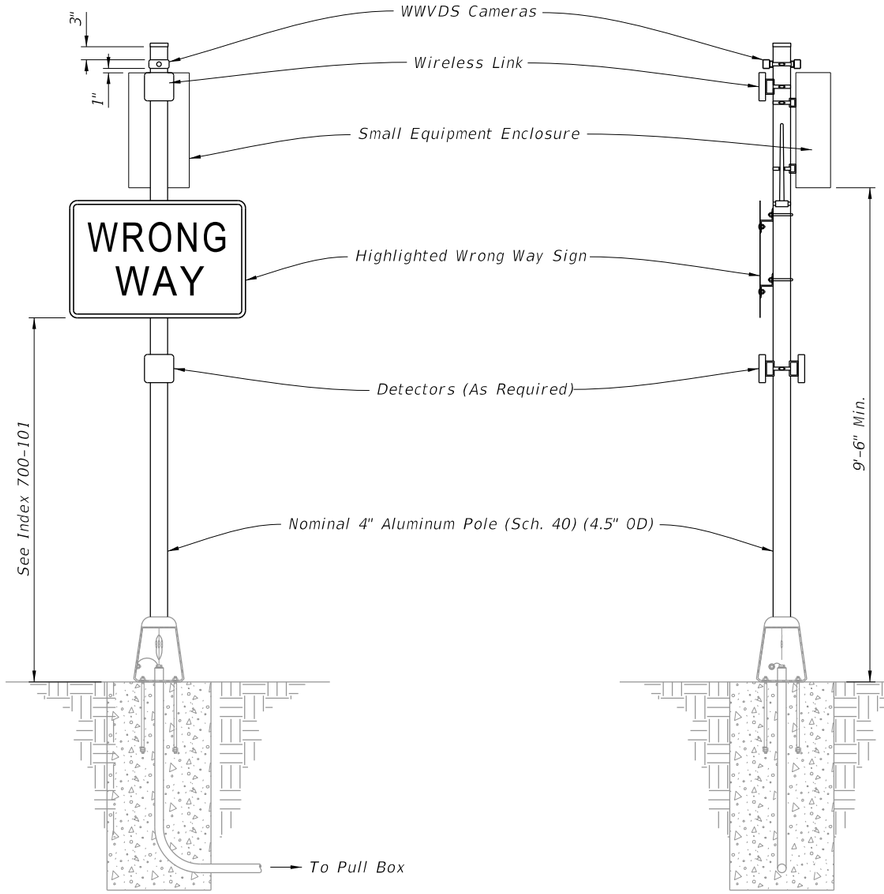
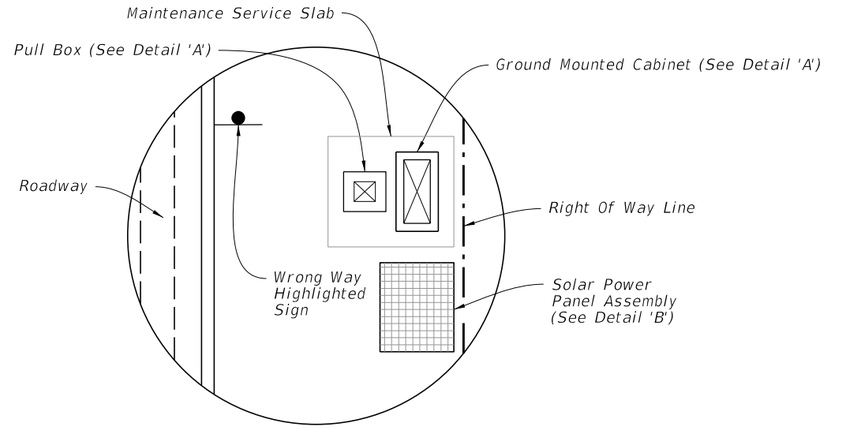


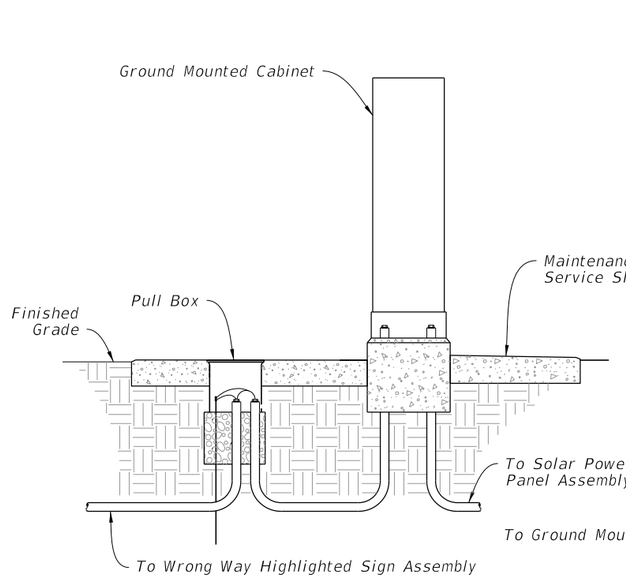
FRONT ELEVATION

SIDE ELEVATION

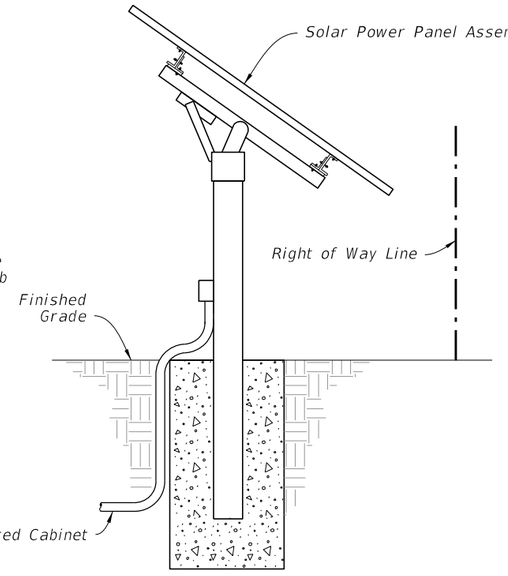
WRONG WAY HIGHLIGHTED SIGN ASSEMBLY



PLAN VIEW



DETAIL 'A'



DETAIL 'B'

SOLAR POWER ASSEMBLY

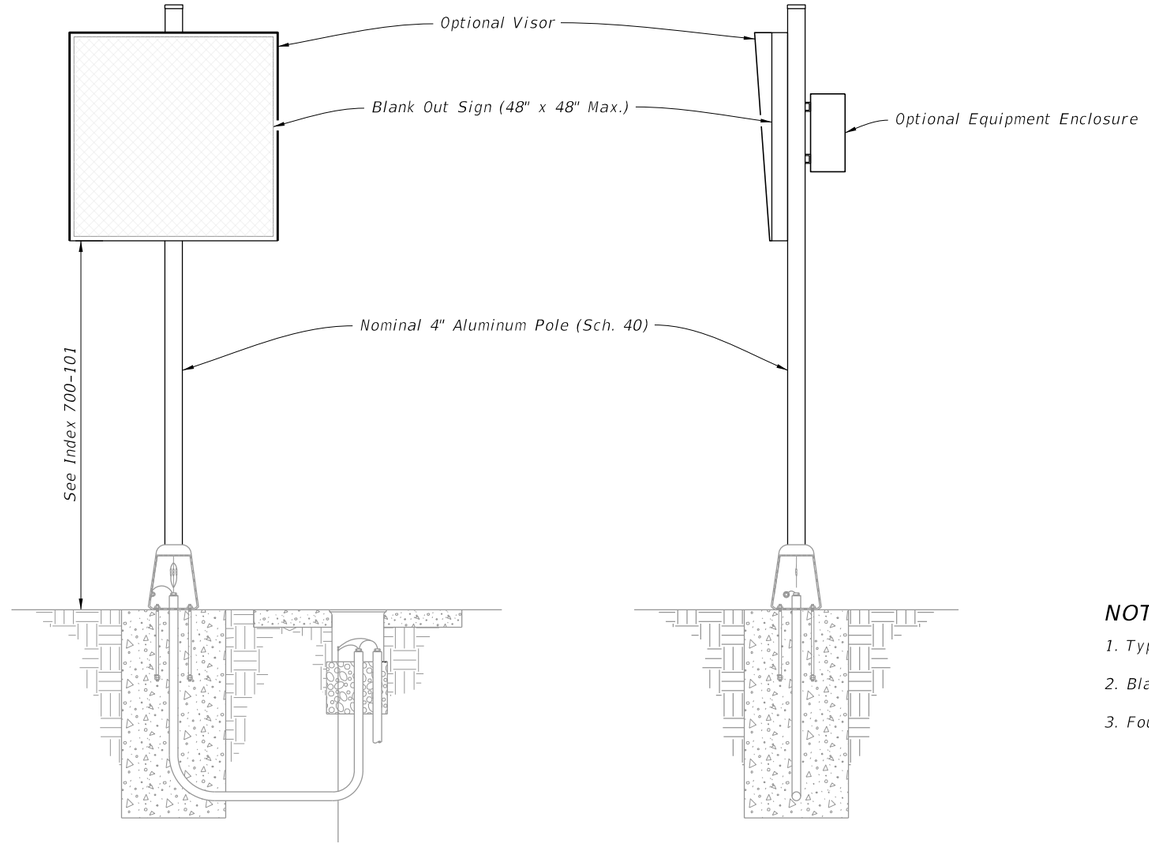
NOTES:

1. Install Wrong Way Vehicle Detection System (WWVDS) devices including cameras, detectors, wireless links, antennas, enclosures, and electronics in accordance with the manufacturer's instructions.

2. When a solar powered configuration (Type B7) is called for in the Plans, install a ground mounted cabinet and solar power panel assembly. Install the solar charge controller and batteries in the same ground mounted cabinet. Provide a separate pole for mounting the solar panel (DETAIL 'B' shown for illustration purposes only) and install in accordance with manufacturer's instructions. Locate the Solar Power Assembly as close to the right of way as possible. Orient the solar panel to face South.

3. Foundation reinforcement not shown.

4. Install cabinets in accordance with Index 676-010.



FRONT ELEVATION

SIDE ELEVATION

NOTES:

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

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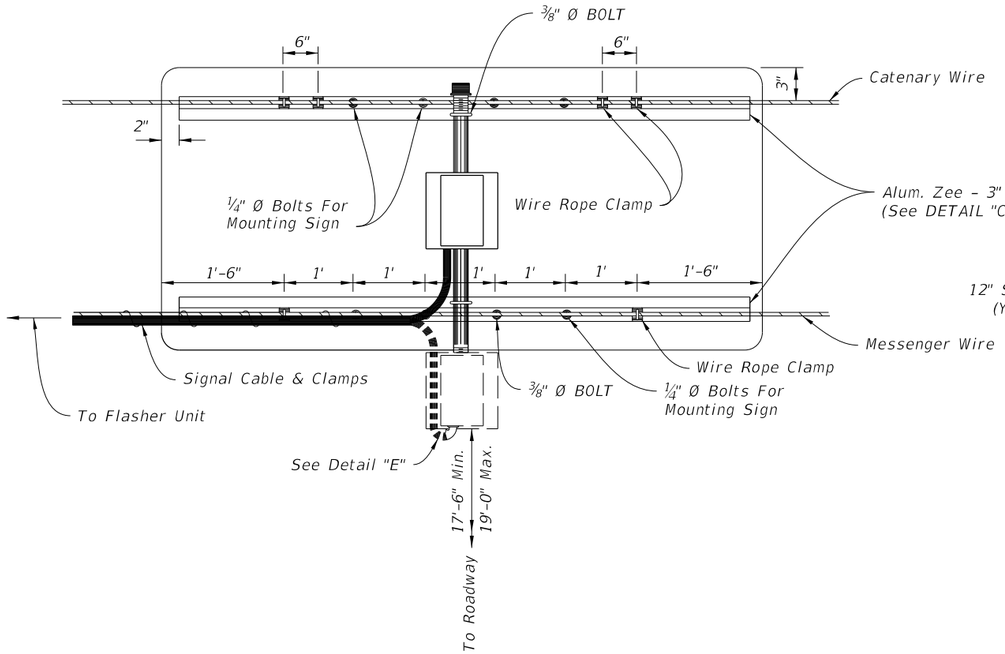
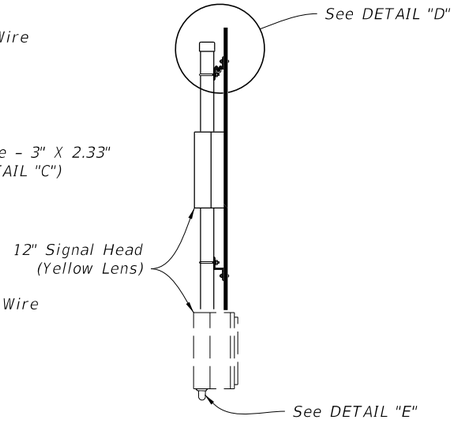
ROADSIDE SIGN ASSEMBLY-8

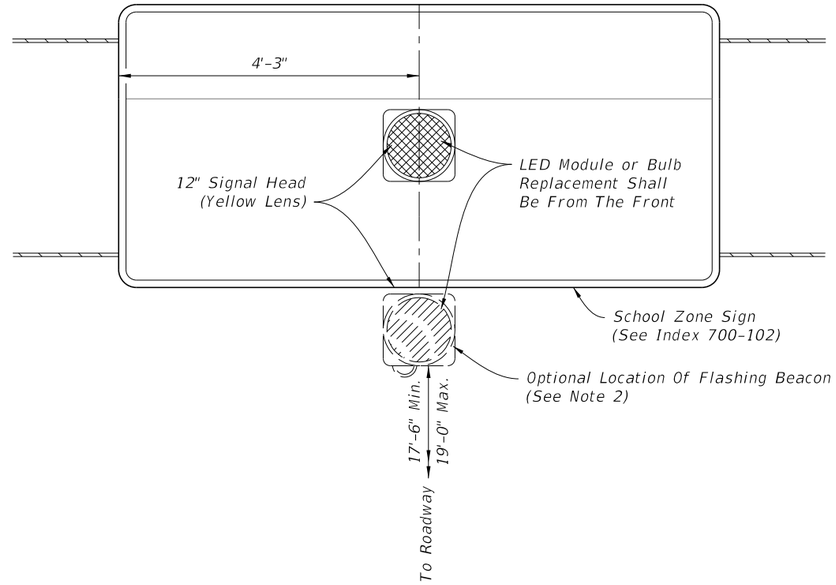
LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/21			FDOT FY 2023-24 STANDARD PLANS	ENHANCED HIGHWAY SIGNING ASSEMBLIES	700-120	10 of 11



REAR VIEW

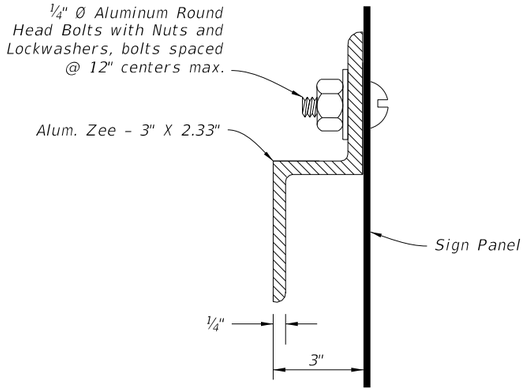


SIDE VIEW



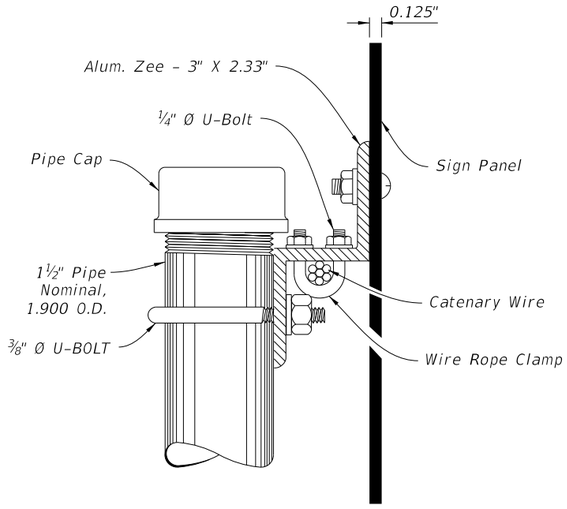
FRONT VIEW

OVERHEAD SCHOOL SIGN ASSEMBLY



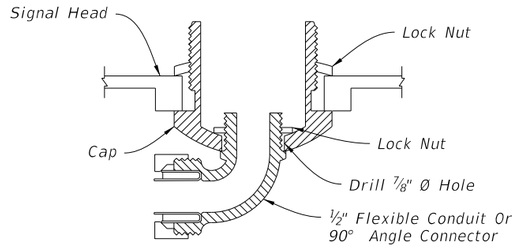
ZEE SECTION DETAIL

DETAIL "C"



MOUNTING DETAIL

DETAIL "D"



CABLE ENTRY DETAIL

DETAIL "E"

NOTES:

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 sidewalk.
2. Optional flashing beacon will be called for in the Plans. They may be placed within or below the panel, or face to the rear.

OVERHEAD SIGN ASSEMBLY

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LAST REVISION	REVISION	DESCRIPTION:	FY 2023-24 STANDARD PLANS	ENHANCED HIGHWAY SIGNING ASSEMBLIES	INDEX	SHEET
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