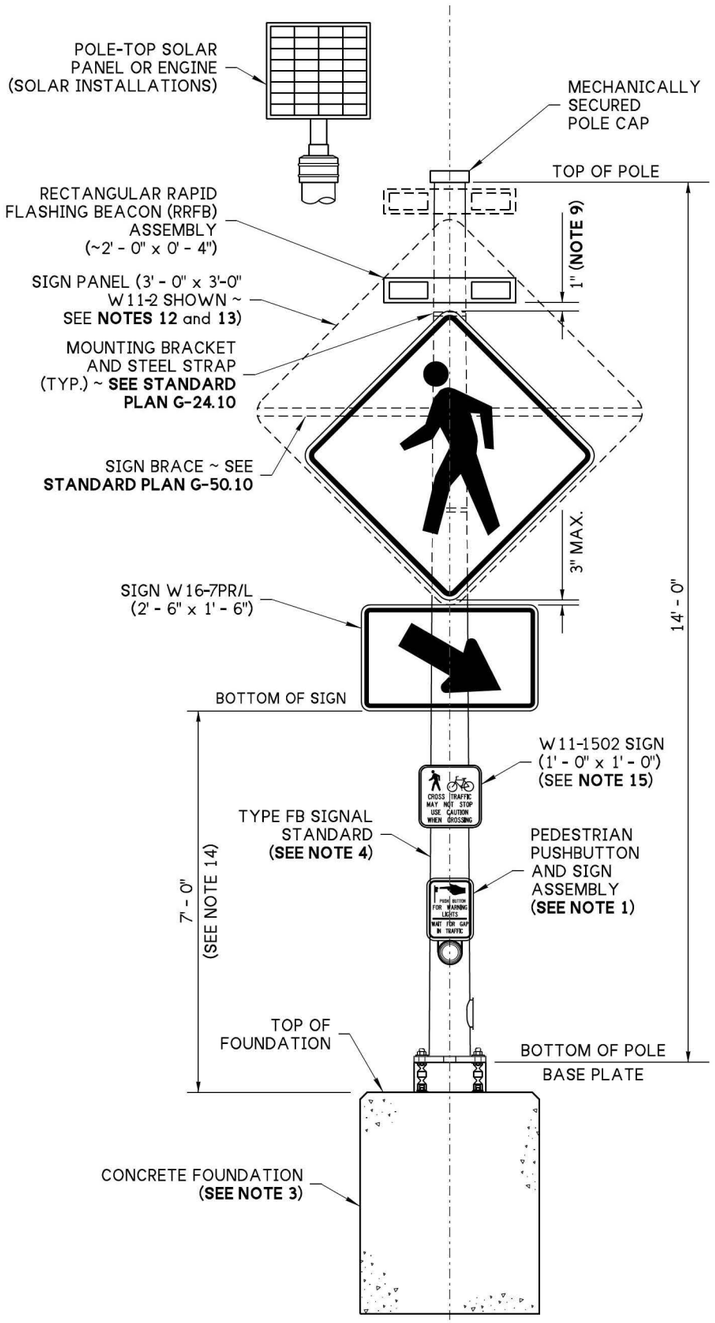
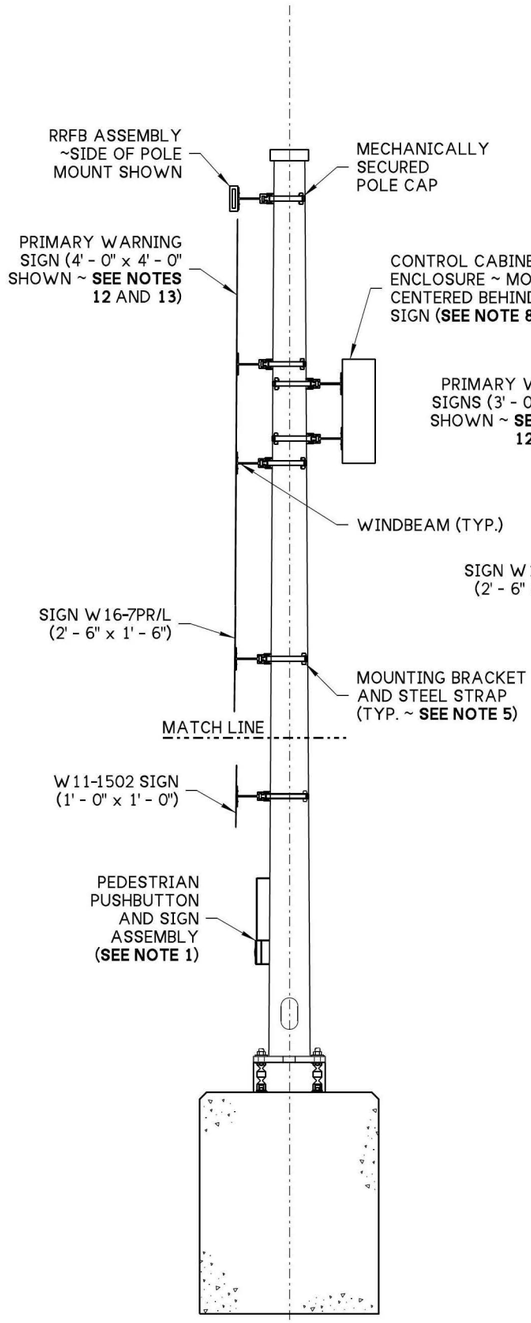
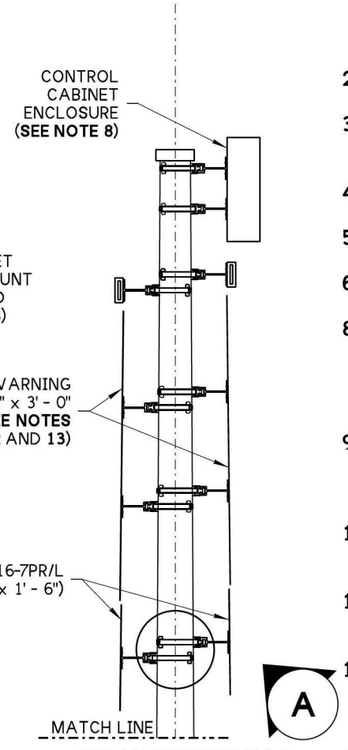


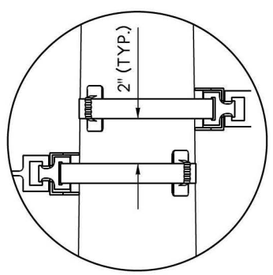
FRONT ELEVATION VIEW



SIDE ELEVATION VIEW
SINGLE DIRECTION CONFIGURATION



SIDE ELEVATION VIEW
BI-DIRECTIONAL CONFIGURATION



SECTION A

NOTES

1. Pedestrian pushbutton and sign assembly shall be Accessible Information Device (AID) type in accordance with **Standard Specification Section 9-29.19**. See **Standard Plan J-20.15** for pushbutton mounting height.
2. Rectangular Rapid Flashing Beacon (RRFB) assemblies shall be MUTCD Compliant.
3. See **Standard Plan J-21.10** for Type FB Signal Standard foundation and base details.
4. See **Standard Plan J-21.16** for Type FB Signal Standard pole Details.
5. See **Standard Plan G-30.10** for sign installation on signal standard details.
6. Terminate RRFB connections in accordance with manufacturer's recommendations.
8. The control cabinet enclosure shall be manufactured to meet the requirements for terminal cabinets in accordance with **Standard Specification Sect. 9-29.25**, with the exception of the cabinet size. The cabinet size shall be determined by the RRFB manufacturer.
9. The RRFB beacon assembly shall be installed approximately one inch above the primary warning sign. The RRFB may be installed higher at the direction of the operating agency.
10. RRFB beacon assemblies may use top of pole or side of pole mounts as appropriate.
11. A solar power unit (panel or engine) may be installed on top of the pole for solar power installations.
12. For posted speeds of **35 MPH or lower**, the primary warning signs may be 36-inch x 36-inch (nominal). For posted speeds of **40 MPH or higher**, the primary warning signs shall be 48-inch x 48-inch (nominal).
13. Primary warning signs may be S1-1 School Crossing, W11-2 pedestrian crossing, or W11-15 Multi-use Trail Crossing signs, as appropriate.
14. Where the bottom of the W16-7P signs cannot physically be installed a minimum of 7-feet above the walking surface, they shall be installed as high as physically possible.
15. Place W11-1502 sign at midpoint between bottom of W16-7P sign and top of pushbutton sign.

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Aug 24, 2026

RECTANGULAR RAPID FLASHING BEACON (RRFB) GROUND INSTALLATION STANDARD PLAN J-21.14-00

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Mark A Davies — Aug 24, 2026

STATE DESIGN ENGINEER

Washington State Department of Transportation