1. Dimensions for the parts used to assemble the base connections are intentionally not shown. Base connections are patented manufactured products that are in compliance with NCHRP 350 crash test criteria. The base connection details are only shown on this plan to illustrate how the parts are assembled.


3. For "X", "Y", "H1", and "H2", refer to the Sign Specification Sheet in the Contract.

4. Sign posts shall be 2 1/2" (in) nominal I.D. galvanized Schedule 80 steel pipe.

5. Do not tighten any slip plate bolt to the recommended torque before pretightening the other bolts. Progressively tighten the three slip plate bolts in 10 ft-lbs increments, alternately, to a final torque of 38 ft-lbs on each bolt.

NOTE

CENTER FINE DOT. (SEE STANDARD PLAN G-20.10)
**ELEVATION**

**TYPE PL SIGN SUPPORT**

- **“X” SIGN WIDTH**
  - 6'-0"
  - 8'-0"
  - 10'-0"
  - A: 1'-0"
  - B: 3'-0"
  - C: 1'-0"
  - F: 4'-0"

- **“Y” SIGN HEIGHT**
  - 6'-0"
  - 8'-0"
  - 10'-0"
  - A: 1'-0"
  - B: 3'-0"
  - C: 1'-0"
  - F: 4'-0"

A, B, C & F. MAY BE INTERPOLATED FOR INTERMEDIATE SIGN SIZES.

**ELEVATION**

**TYPE PL-U SIGN SUPPORT**

- **STANDARD PLAN G-20.10
  INSTALLATION DETAILS
  STEEL SIGN SUPPORT**

- **TYPES PL, PL-T, & PL-U**

- **Nisbet, John
  Digitally signed by Nisbet, John
  Date: 2018.06.27 2:54:54 -07'00"**

**STANDARD PLAN G-24.30-02
INSTALLATION DETAILS**

**WASHINGTON STATE DEPARTMENT OF TRANSPORTATION**

**APPROVED FOR PUBLICATION**

**DRAWN BY: FERN LIDDELL**

**SIGN PANEL**

- **STEEL PIPE CAP (TYP.)**
  - 6" - 0" MAX.
  - 10" - 0" MIN.

- **TOP OF SIGN**
  - 5'-0" IN.

- **Z-BAR (TYP.)**
  - 3.00' 2.33

- **SPACING (TYP.) RIVETS @ 6" (IN)**
  - 3/16" (IN) ALUMINUM

- **HEAD BOLT**
  - 5/16" (IN) DIAM. HEX

- **NUT & WASHER**
  - 5/16" (IN) DIAM. HEX

- **5/16" (IN) U-BOLT**
  - 5 1/2" (IN) × 1/2" (IN) DIAM.

- **ALUMINUM RIVET**
  - SEE NOTE 3

- **ALUMINUM "Z" BAR**
  - SEE NOTE 3

- **BOLT OASIS PIPE CLAMP**
  - SEE NOTE 3

- **SIGN PANEL**
  - 2.33" ~ 3.00"

- **MANUFACTURED PIPE CLAMP**
  - 1.0" MAX.

- **SIGN POST - SEE NOTE 4**

- **SIGN POST ~ SLIP BASE ASSEMBLY**

- **FINISHED GROUND LINE**

- **LINE**
  - 1'-6"

- **FINISHED**
  - 7'-0" MIN.

- **SIGN PANEL**
  - 1'-0"

- **SIGN PANEL**
  - 8'-0"

- **SIGN PANEL**
  - 10'-0"

- **SIGN POST - SEE NOTE 4**

- **SIGN POST - SEE NOTE 4**

- **SIGN PANEL**
  - 1'-0"

- **SIGN PANEL**
  - 5'-0" MAX.

- **SIGN PANEL**
  - 7'-0" MIN.