**NOTES**

1. For "W", horizontal distance from edge of traveled way to center of nearest post, and "V", vertical distance from edge of traveled way to bottom of sign, see Standard Plan G-20.10.
3. Top of concrete foundations shall be smooth, dense and uniform to finished groundline.
5. Slip Base and all other materials shall meet the requirements of Standard Specification Section 9-06.
6. When a 2 1/4" (in) insert is used, the insert shall be a minimum of 7 feet.
8. Maximum of three (3) slip bases in 7' (ft) span.

---

**WINDBEAM CLIP**

STEEL SIGN SUPPORT TYPES SB-1, SB-2 & SB-3

INSTALLATION DETAILS

STANDARD PLAN G-24.40-07

SHEET 1 OF 6 SHEETS

APPROVED FOR PUBLICATION

Washington State Department of Transportation

John C. Nisbet
State Design Engineer

__signature__

* Signatures are not visible in the image.*
ASSEMBLY NOTES

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 shown on this plan only to illustrate how the parts are assembled.

2. Do not tighten any single Slip Plate Bolt to the recommended torque before pretightening the other bolts. Progressively tighten the three Slip Plate Bolts in 10 ft-lb increments, alternately, to a final torque of 40 ft-lbs on each.

3. Slip Base assembly and all other materials shall meet the requirements of Standard Specification Sections 9-06 and 9-28.

4. Connection details are shown on this plan only to illustrate how the parts are assembled.

STEEL SIGN SUPPORT TYPES SB-1A, SB-2A & SB-3A ~ 8" (IN)
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 shown on this plan only to illustrate how the parts are assembled.

2. Do not tighten any single 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 40 ft-lbs on each.

3. Slip Base assembly and all other materials shall meet the requirements of Standard Specification Sections 9-06 and 9-28.
NOTES
1. For "W", Horizontal distance from edge of traveled way to center of nearest post, and "V", Vertical distance from edge of traveled way to bottom of sign, see Standard Plan G-20.10.
3. Top of concrete foundation shall be smooth, dense, and uniform to finished ground line.
4. Field drill posts to accept angle and cold galvanized holes.

STANDARD PLAN G-24.40-07

STEEL SIGN SUPPORT TYPES SB-1, SB-2 & SB-3 INSTALLATION DETAILS

Approved for Publication
Washington State Department of Transportation

APPROVED FOR PUBLICATION
John C. Nisbet, Director

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

STEEL SIGN SUPPORT TYPES SB-1, SB-2 & SB-3 ~ 10" (IN)

DUAL-POST INSTALLATION

WINLOAD FOR SQUARE TUBE POSTS AT 90 MPH

<table>
<thead>
<tr>
<th>POSTS</th>
<th>MAXIMUM XYZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-POST</td>
<td>2-POST</td>
</tr>
<tr>
<td>7-GAGE</td>
<td>471</td>
</tr>
</tbody>
</table>

(MAXIMUM 3 SLIP BASES ALLOWED IN 7' SPAN)

VARIES

FINISHED GROUND LINE

24" DIAMETER

ELEVATION

2" TO 3" MAX.

VIEW G

FIELD DRILLED Z-BAR

DETAIL G

STEEL SIGN SUPPORT TYPES SB-1, SB-2 & SB-3 ~ 10" (IN)

NOTE 3
ASSEMBLY NOTES

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 shown on this plan only to illustrate how the parts are assembled.

2. Do not tighten any single Slip Plate Bolt to the recommended torque before pretightening the other bolts. Progressively tighten the three Slip Plate Bolts in 10 ft-lb increments, alternately, to a final torque of 45 ft-lbs on each.

3. Use only Slip Base manufacturer supplied hardware that meets the requirements of Standard Specification Sections 9-06 and 9-28.

STEEL SIGN SUPPORT TYPES SB-1A & SB-3A ~ 10" (IN)
ASSEMBLY NOTES
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 shown on this plan only to illustrate how the parts are assembled.
2. Do not tighten any single Slip Plate Bolt to the recommended torque before prelightening the other bolts. Progressively tighten the three Slip Plate Bolts in 10 ft-lb increments, alternately, to a final torque of 40 ft-lbs on each.
3. Use only Slip Base manufacturer supplied hardware that meets the requirements of Standard Specification Sections 9-06 and 9-28.

STEEL SIGN SUPPORT TYPE SB-1B & SB-3B ~ 10" (IN)
(UNIBASE)