



CHELAN COUNTY

DEPARTMENT OF PUBLIC WORKS
316 WASHINGTON STREET
SUITE 402
WENATCHEE, WASHINGTON 98801
TELEPHONE 509/667-6415

ERIC P. PIERSON, PE
DIRECTOR/COUNTY ENGINEER

General Sign Information

1. Applicants installing road name signs shall be required to adhere to Chelan County Code 10.20300-330, Resolution No. 2015-84, and all amendments thereto.
2. All road names must go through a review process and be approved by the County Engineer.
3. All signs, whether they are to be placed in the County right-of-way or on private property, shall be fabricated and installed by the applicant.
4. Signs that are to be placed with County right-of-way, shall require a Work in the Right-of-Way permit prior to installation.
5. Installation of private signs outside of an approved development will require an inspection by Chelan County to ensure compliance with Chelan County's sign standards and that of the Manual of Uniform Traffic Control Devices (MUTCD). To schedule an inspection please contact:

Wendy Williams
Phone: (509) 667-6415
Email: Wendy.williams@co.chelan.wa.us

Sign Plates

1. The sheeting for signs shall be Type III High Intensity Prismatic (HIP).
2. The background color is to be green. The lettering color shall be white.
3. The sign panel shall be constructed from aluminum sign blanks (thickness of 0.080 inches), unless approved by the County Engineer. 6" letters are to be used, and the height of the metal sign shall be 10".
4. The letters shall be B font with 6" height.
5. Private roads must have the abbreviated "Pvt" at the end of the name and the lettering size shall be 4". (See attached 'Exhibit A')

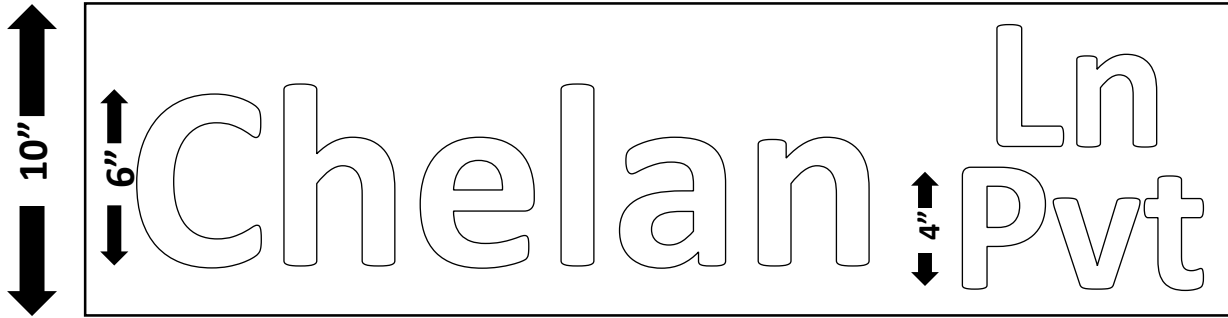
Sign Posts

1. The sign post shall be 12 gauge, 2" steel with 2-1/4" breakaway base, or 4"x 4" treated wood post (private roads only). See attached WSDOT Standard Details G-24.40-04 (sheet 1 of 4), G-24.40-04 (sheet 4 of 4), and G-24.50-03; or G-22.10-01 (sheets 1-3).
2. Stop signs may be required, which will be determined on a case by case basis. Stop signs shall be placed within 40 ft of stop bars.

Sign Construction & Placement

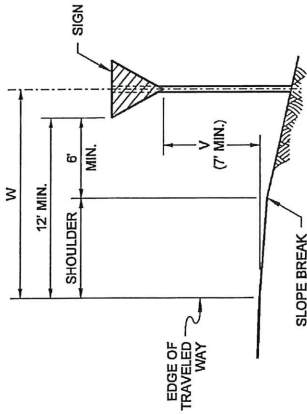
1. Please see attached WSDOT Standard Details G-20.10-01, G-24.40-04 (sheet 1 of 4), G-24.40-04 (sheet 4 of 4), and G-24.50-03 for additional instructions.

Exhibit A

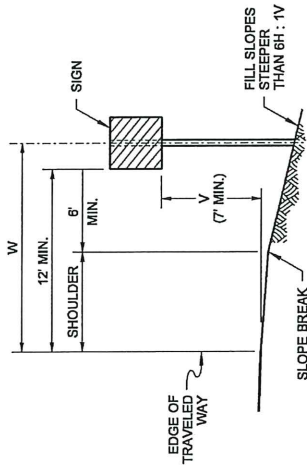


NOTES

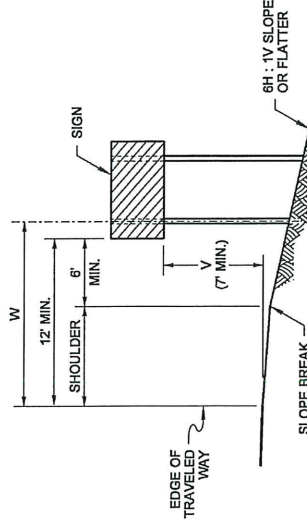
1. Refer to the Sign Specification Sheet of the Contract for the 'V' and 'W' distances.
2. The minimum vertical distance from the bottom of the sign to the ground shall not be less than 7' (ft) for signs located within the Design Clear Zone.



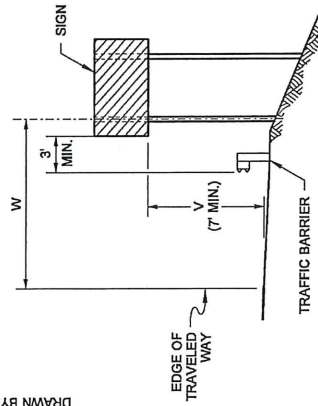
SIGN INSTALLATION
IN FILL SECTION



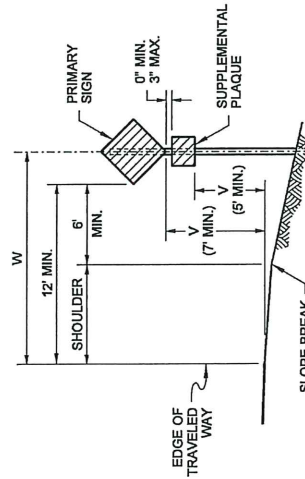
SIGN INSTALLATION
ON STEEP FILL SLOPES



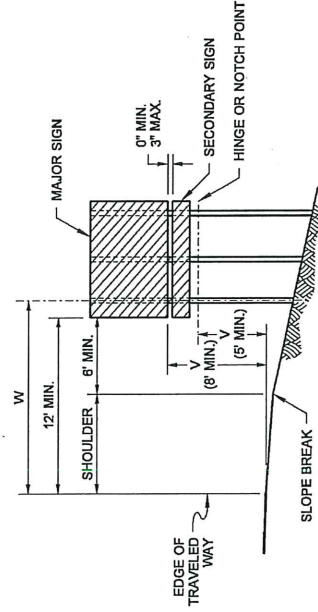
MULTIPLE SIGN POST INSTALLATION
IN FILL SECTION



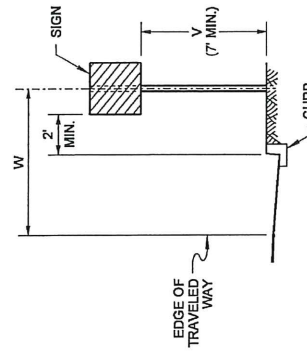
SIGN INSTALLATION
BEHIND TRAFFIC BARRIER



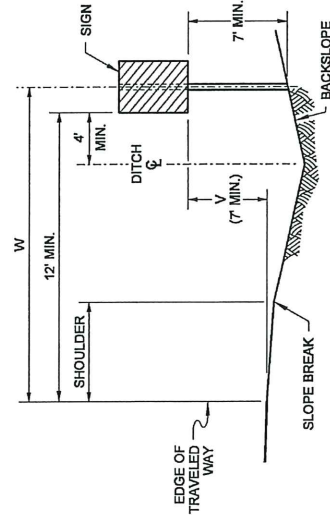
SIGN WITH SUPPLEMENTAL
PLAQUE INSTALLATION
IN FILL SECTION



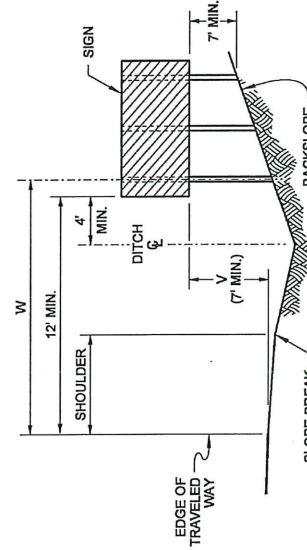
GUIDE OR DIRECTIONAL SIGN WITH
SECONDARY SIGN INSTALLATION ON
EXPRESSWAYS AND FREEWAYS



SIGN INSTALLATION
IN CURB SECTION



SIGN INSTALLATION
IN DITCH SECTION



MULTIPLE SIGN POST INSTALLATION
IN DITCH SECTION

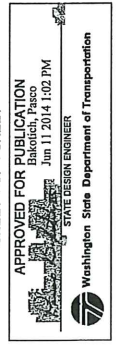


Nisbet, John
Jun 11 2014 8:46 AM

**GROUND-MOUNTED
SIGN PLACEMENT**

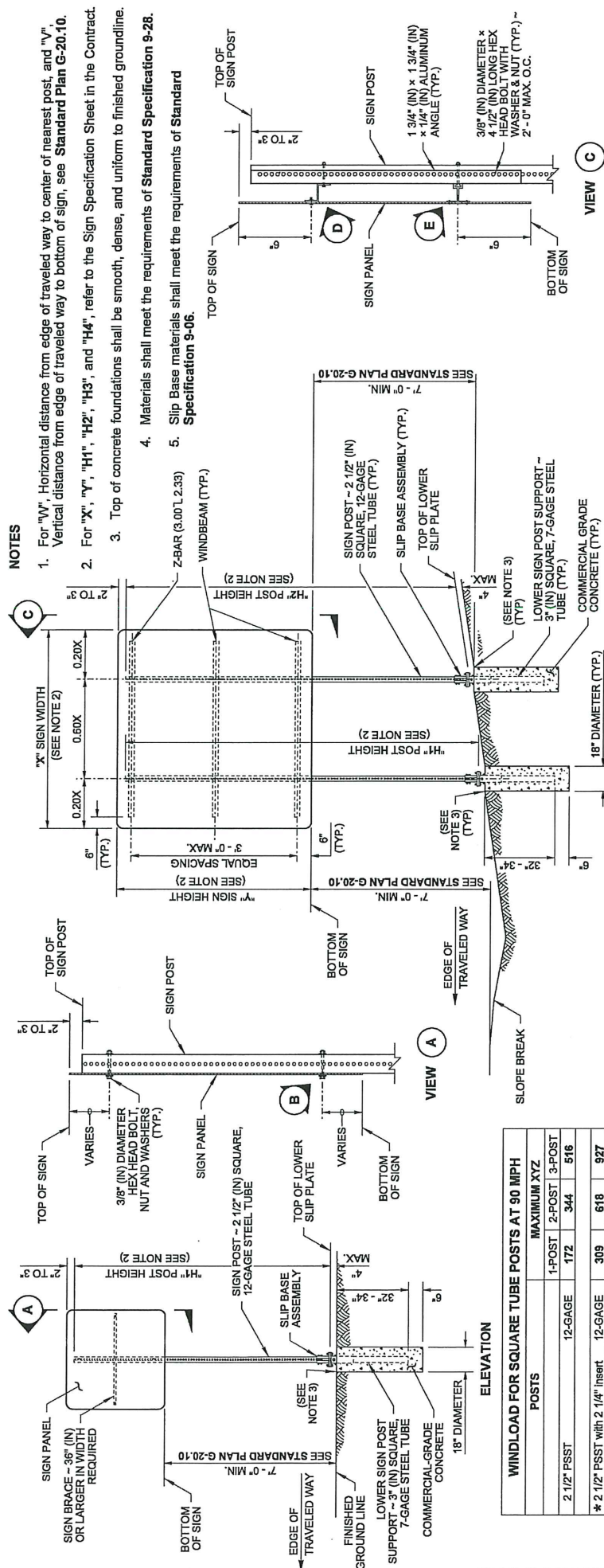
STANDARD PLAN G-20.10-01

SHEET 1 OF 1 SHEET



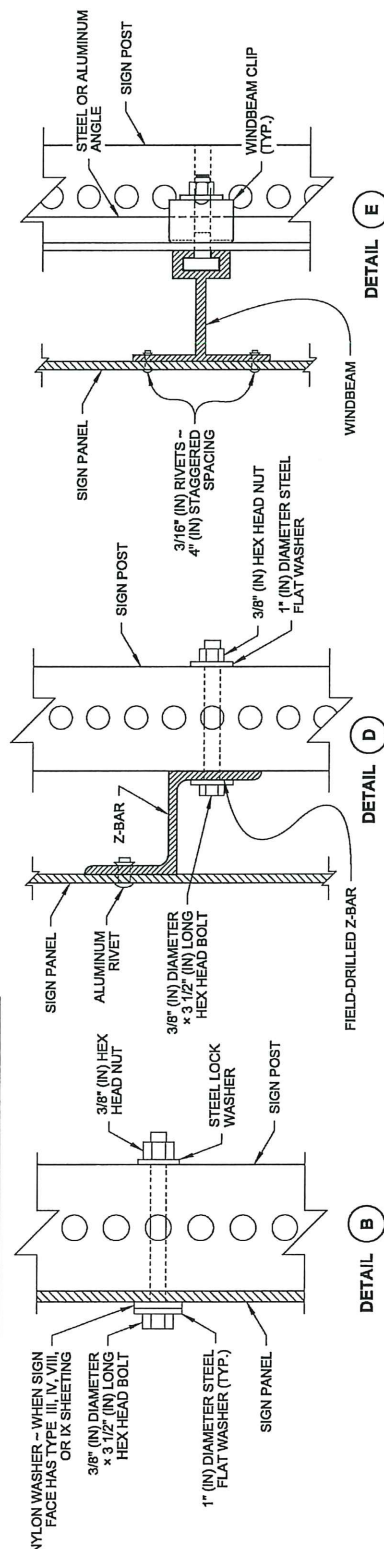
- ## NOTES

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**.
2. For "X", "Y", "H1", "H2", and "H4", refer to the Sign Specification Sheet in the Contract.
3. Top of concrete foundations shall be smooth, dense, and uniform to finished groundline.
4. Materials shall meet the requirements of **Standard Specification 9-28**.
5. Slip Base materials shall meet the requirements of **Standard Specification 9-06**.



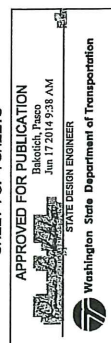
WINDLOAD FOR SQUARE TUBE POSTS AT 90 MPH				
	POSTS	MAXIMUM XYZ		
		1-POST	2-POST	3-POST
2 1/2" PSST	12-GAGE	172	344	516
* 2 1/2" PSST with 2 1/4" insert	12-GAGE	309	618	927
* 3" SOLID POST	7-GAGE	471	942	1413
* SLIP BASE REQUIRED (UNLESS BEHIND BARRIER) (MAXIMUM 3 SLIP BASES ALLOWED IN 7' SPAN)				

DRAWN BY: FERN LIDDELL



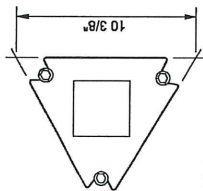
[Signature]
Nisbet, John
Jun 12 2014 7:40 AM

SHEET 1 OF 4 SHEETS

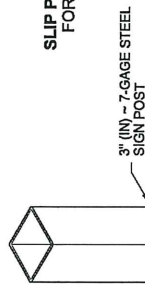


ASSEMBLY NOTES

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



SLIP PLATE DETAIL
FOR TYPE SB-1



3" (IN) ~ 7-GAGE STEEL
SIGN POST

SIGN POST
BRACKET

UPPER SLIP
PLATE

SHOULDER COLLARED
BOLT (TYP.)

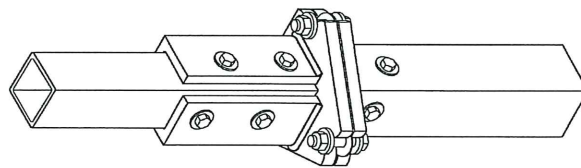
LOWER
SLIP PLATE

LOWER SLIP PLATE
LOWER SLIP PLATE STUB
(LOWER SIGN POST
SUPPORT NOT SHOWN)

SLIP PLATE BOLTS
(SEE ASSEMBLY NOTE 2
FOR TORQUE REQUIREMENTS)

EXPLODED VIEW

ISOMETRIC VIEW



TRAFFIC
FLOW

3" (IN) ~ 7-GAGE STEEL
SIGN POST

SIGN POST
BRACKET

UPPER SLIP
PLATE

SHOULDER COLLARED
BOLT (TYP.)

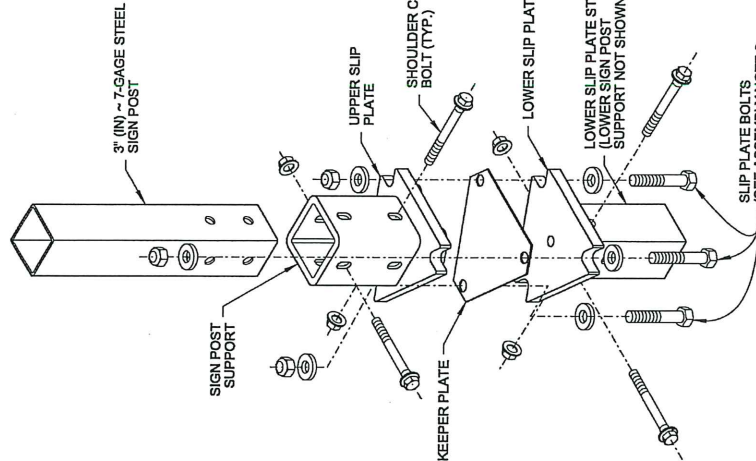
LOWER
SLIP PLATE

LOWER SLIP PLATE
LOWER SLIP PLATE STUB
(LOWER SIGN POST
SUPPORT NOT SHOWN)

SLIP PLATE BOLTS
(SEE ASSEMBLY NOTE 2
FOR TORQUE REQUIREMENTS)

EXPLODED VIEW

ISOMETRIC VIEW



3" (IN) ~ 7-GAGE STEEL
SIGN POST

SIGN POST
SUPPORT

UPPER SLIP
PLATE

SHOULDER COLLARED
BOLT (TYP.)

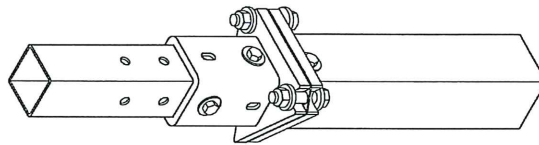
LOWER SLIP PLATE

LOWER SLIP PLATE STUB
(LOWER SIGN POST
SUPPORT NOT SHOWN)

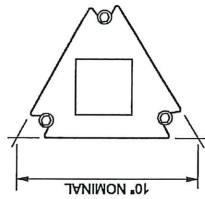
SLIP PLATE BOLTS
(SEE ASSEMBLY NOTE 2
FOR TORQUE REQUIREMENTS)

EXPLODED VIEW

ISOMETRIC VIEW



TRAFFIC
FLOW



SLIP PLATE DETAIL
FOR TYPE SB-3



STEEL SIGN SUPPORT
TYPES SB-1, SB-2 & SB-3
INSTALLATION DETAILS
STANDARD PLAN G-24.40-04

SHEET 4 OF 4 SHEETS



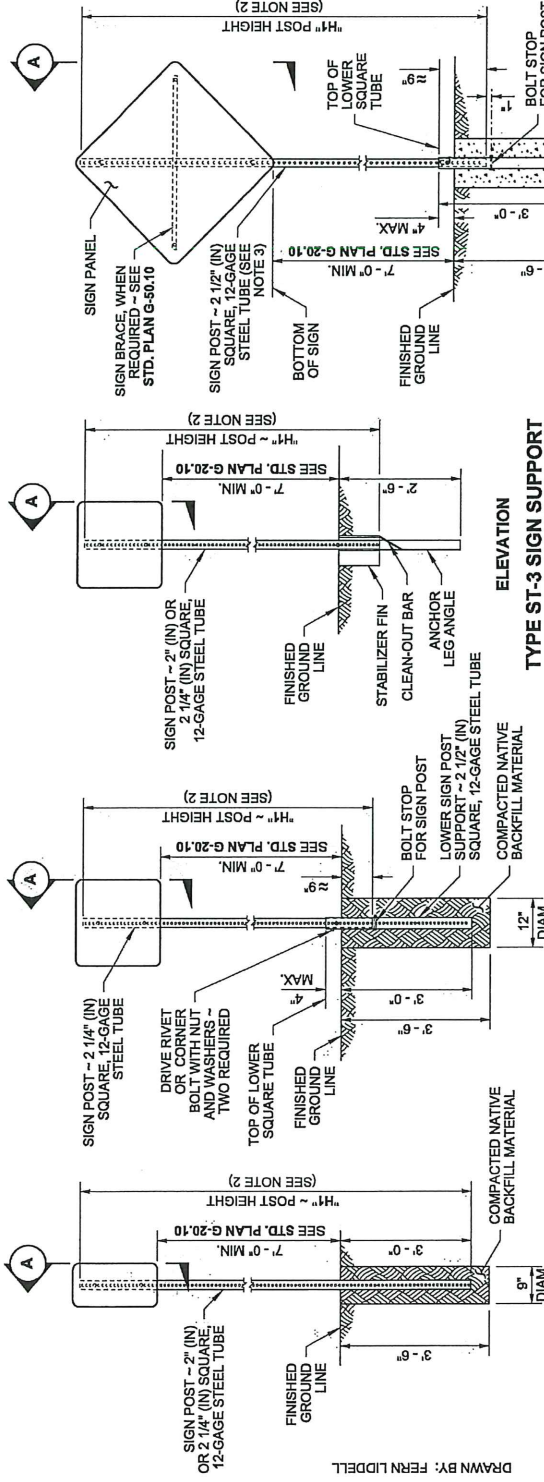
TYPE SB-3
SLIP BASE ASSEMBLY

TYPE SB-1
SLIP BASE ASSEMBLY

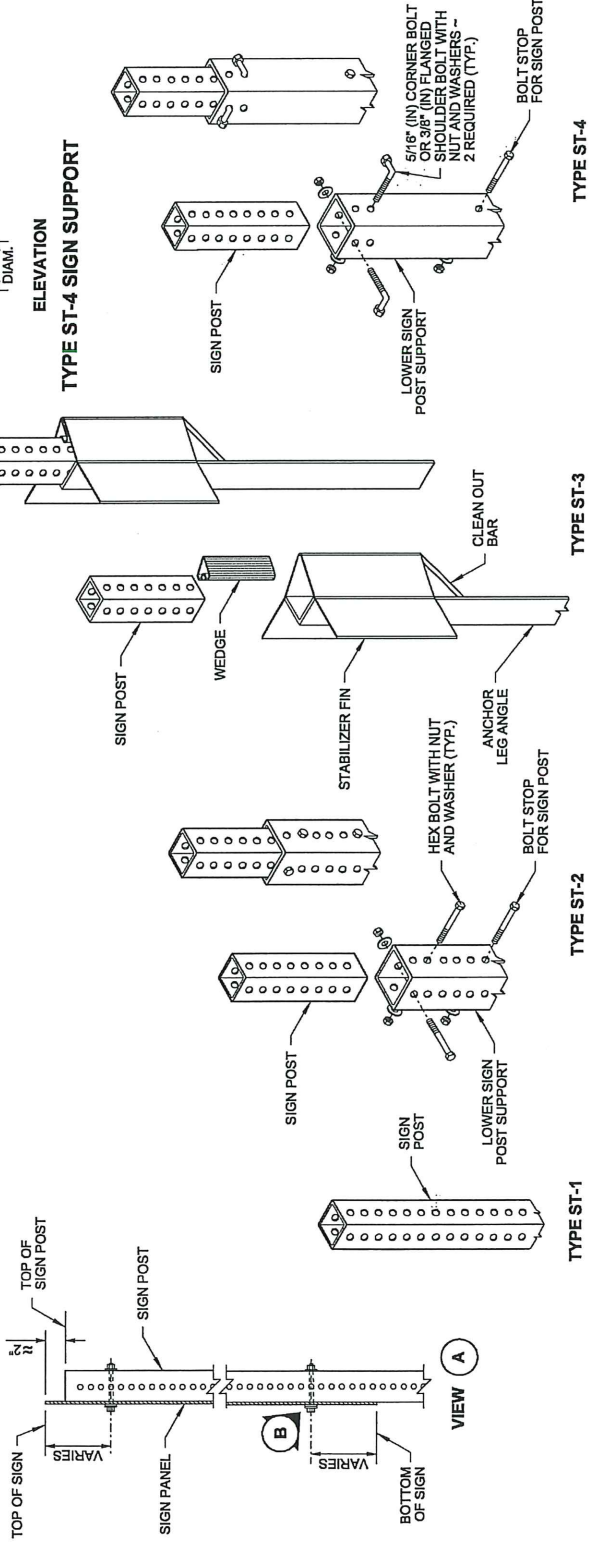
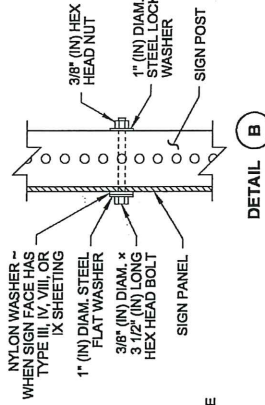
STEEL SIGN SUPPORT TYPES SB-1 & SB-3 ~ 10" (IN)

NOTES

- 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.
- For "H1", refer to the Sign Specification Sheet in the Contract.
- A. 2" (in) post with a 2 1/4" (in) PSST anchor or a 2 1/4" (in) post with a 2 1/2" (in) PSST anchor may be substituted. See Contract Plans.
- Perforated square steel post shall meet the requirements of Standard Specification 9-06.
- Use only base connection manufacturer supplied hardware that meets the requirements of Standard Specifications 9-06 and 9-28.



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**STEEL SIGN SUPPORT
TYPES ST-1 - ST-4
INSTALLATION DETAILS
STANDARD PLAN G-24.50-03**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Buckhead, Texas
Jan 17, 2014 9:51 AM

STATE DESIGN ENGINEER

Washington State Department of Transportation