NOTES

1. Notch is only required with multiple post installations.

2. 6x10, 8x10, and 6x12 Timber Sign Posts cannot be made breakaway and do not have holes or notches. These posts shall not be installed within the Design Clear Zone. They may be installed behind traffic barrier.


4. For 6x6 posts and larger, 7" (ft) minimum spacing is required between posts.

5. All materials shall meet the requirements of Standard Specification 9-28.

**POST INSTALLATION TABLE**

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<tr>
<th>POST SIZE (NOM.)</th>
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<th>NOTCH DEPTH (SEE NOTE 1)</th>
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<tbody>
<tr>
<td>4x4</td>
<td>3'-0&quot;</td>
<td>NOT REQ'D</td>
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</tr>
<tr>
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<td>1 1/2&quot;</td>
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<td>SEE NOTES 3 &amp; 4</td>
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**DETAIL C**

- 1" (IN) DIAM. WASHER, NYLON
- 1" (IN) FLAT WASHER, STEEL, GALVANIZED
- 3/8" (IN) x 3" (IN) HEX LAG SCREW, STEEL, GALVANIZED

**VIEW B**

- TIMBER SIGN POST - SEE STD. SPEC. 9-28
- TIMBER SIGN SUPPORT

**VIEW A**

- TIMBER SIGN POST - SEE STD. PLAN G-20.10
- TOP OF POST
- SIGN PANEL
- SIGN PANEL
- TIMBER SIGN POST - SEE STD. PLAN G-20.10
- BOTTOM OF SIGN
- TIMBER SIGN POST - SEE STD. SPEC. 9-28
- TIMBER SIGN SUPPORT

**VIEW C**

- DEPTH - SEE POST INSTALLATION TABLE
- COMPACTED NATIVE BACKFILL MATERIAL
- FINISHED GROUND LINE
- TIMBER SIGN SUPPORT

**ELEVATION VIEW**

- SINGLE-POST INSTALLATION
- SIGN BRACE WHEN REQUIRED (STD. PLAN G-60.10)
- TIMBER SIGN POST
- FINISHED GROUND LINE
- EDGE OF TRAVELED WAY
- TIMBER SIGN SUPPORT

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TWO-POST INSTALLATION

- Edge of traveled way
- Finished ground line
- Compacted native backfill material
- Depth - see post installation table

THREE-POST INSTALLATION

- Edge of traveled way
- Finished ground line
- Compacted native backfill material
- Depth - see post installation table

FOUR-POST INSTALLATION

- Direction of traffic
- Depth - see post installation table
- Compacted native backfill material

\[ \text{SIGN PANEL} \]
\[ \text{SIGN PANEL} \]
\[ \text{SIGN PANEL} \]
\[ \text{SIGN PANEL} \]

1.34" (IN) x 1.34" (IN) x 1/4" (IN) steel or aluminum angle

3/16" (IN) aluminum rivets @ 4" (IN) staggered spacing (Typ.)

3/8" (IN) x 2" (IN) hex lag bolt, steel, galvanized - 2" - 0" max O.C. - stagger opposing bolts 1 1/2" (IN) min.

1/2" (IN) notch in each post, when required - see post installation table

Bottom of sign and top of notch shall be aligned

Drill holes through each post, when required - see post installation table

Minimum post hole diameter is the widest post dimension plus 6" (IN)

\[ \text{SIDE VIEW D} \]
MAJOR AND SECONDARY SIGN INSTALLATION

WIDEST SIGN POST DIMENSION

STEEL OR ALUMINUM ANGLE (TYP.)

SIGN PANEL

DRILL PILOT HOLES FOR LAG BOLTS (TYP.)

ISOMETRIC VIEW

SIGN PANEL ATTACHMENT DETAIL

TOP OF POST

TOP OF MAJOR SIGN

WARNING BEAM (TYP.)

MAJOR SIGN

SECONDARY SIGN

NOTCH LOCATION (TYP.)

SIGN POST (TYP.)

EDGE OF TRAVELLED WAY

VARIES 0" TO 3"

VARIES 0" TO 3"

3/16" (IN) ALUM. RIVETS @ 4" (IN) STAGGERED SPACING (TYP.)

3/16" (IN) ALUM. RIVET (TYP.)

3/8" (IN) @ 3" (IN) GALVANIZED LAG SCREWS

2" MAX.

TOP OF PAVEMENT

CONCRETE CLASS 3000

4" MIN.

2" O.C.

ISOMETRIC VIEW

CONCRETE FOUNDATION SLEEVE DETAIL

TO BE USED WHEN PLACING TIMBER POST IN A PAVED AREA

3/16" (IN) TUBULAR STEEL ~ 4" (IN) ~ 4" (IN) ~ 6" (IN) ~ 6" (IN) ~ 6" (IN) ~ 8" (IN)

OR 8" (IN) ~ 8" (IN) ~ ASTM A500 GRADE B (GALV.) PER AASHTO M 111 OR ASTM A501 (GALV.) PER AASHTO M 111.

TOP OF PAVEMENT

3/16" (IN) ALUM. WINDBEAM ~ 3" (IN) ALUM. WINDBEAM

STEEL OR ALUMINUM ANGLE (TYP.)

STEEL OR ALUMINUM ANGLE (TYP.)

ALUMINUM WINDBEAM AND TWO POST CLIPS (TYP.) ~ SEE SIGN PANEL ATTACHMENT DETAIL

ALUMINUM WINDBEAM SEE STD. SPEC. 9-28

ALUMINUM POST CLIP ~ SEE STD. SPEC. 9-28

STEEL OR ALUMINUM ANGLE (TYP.)

TIMBER SIGN POST ~ SEE STD. SPEC. 9-28

TIMBER SIGN SUPPORT STANDARD PLAN G-22.10-02

APPROVED FOR PUBLICATION

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

DRAWN BY: BILL BERENS

Nisbet, John
Jun 12 2014 7:39 AM

STANDARD PLAN G-22.10-02

SHEET 3 OF 3 SHEETS