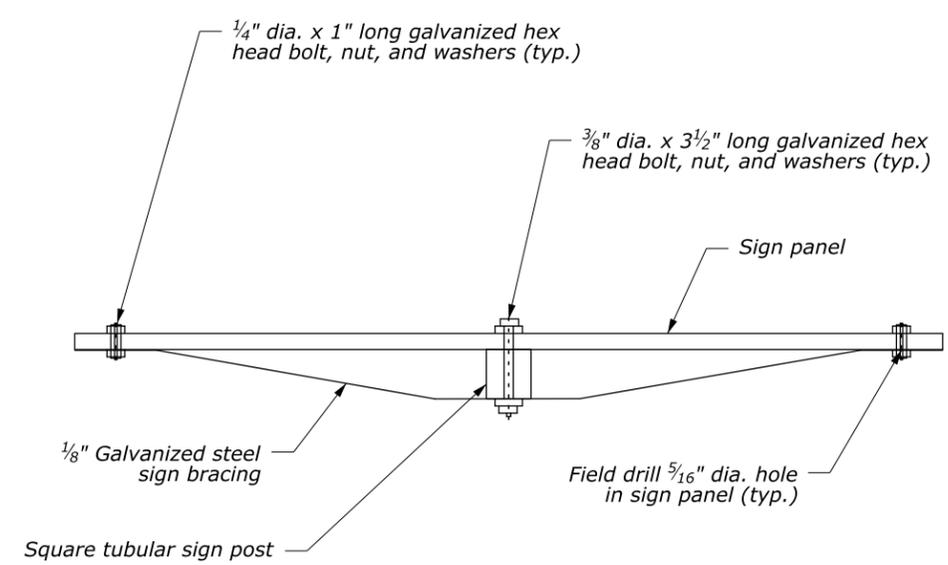


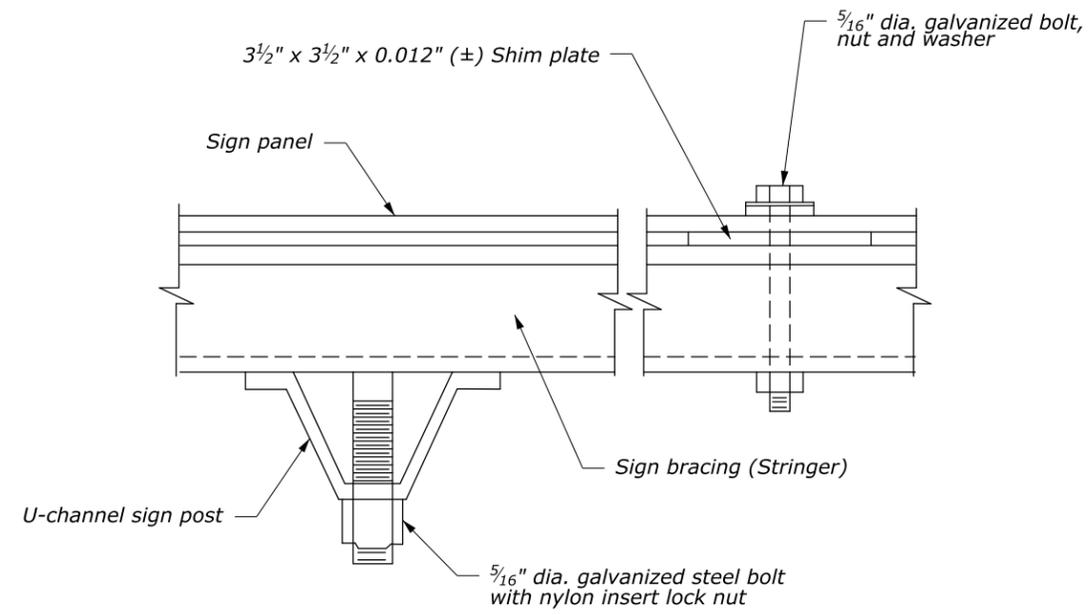
STATE	PROJECT	SHEET NUMBER

NOTES:

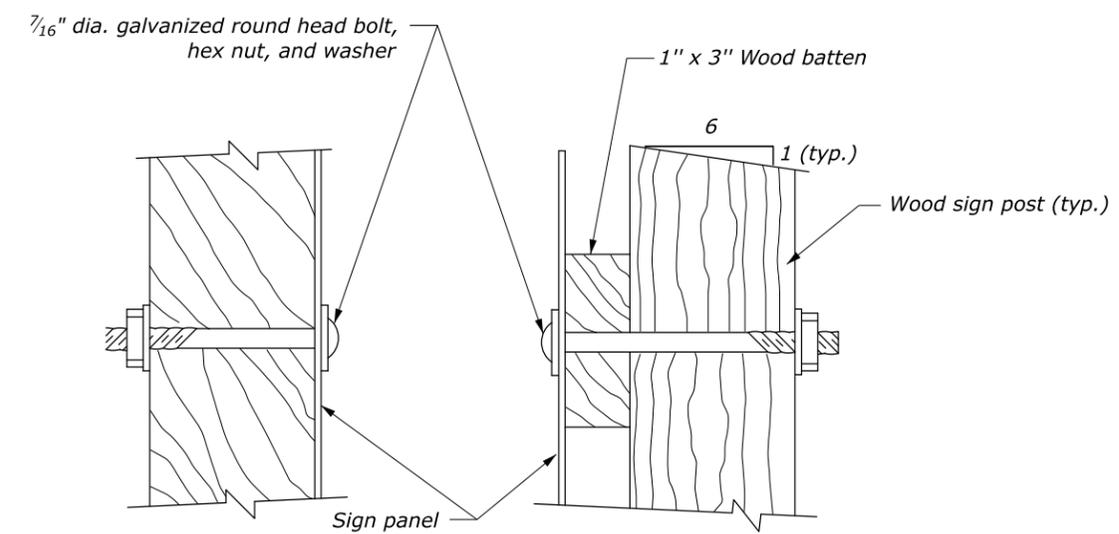
1. Install sign braces on signs with widths of 48 inches or greater. Install sign braces on signs with widths of 36 inches when specified or as directed by the CO.
2. For sign punching details, see the blank standards in the "Standard Highway Signs and Markings" as specified in the latest edition of the MUTCD.
3. Use wood battens bolted to post at vertical spacings not to exceed 30 inches.
4. Use neoprene or nylon washers between the sign panel's retroreflective sheeting and the steel washer.
5. Refer to Detail E633-01 for sign mounting details.
6. Refer to Section 2A.21 of the MUTCD, latest edition, for additional information.



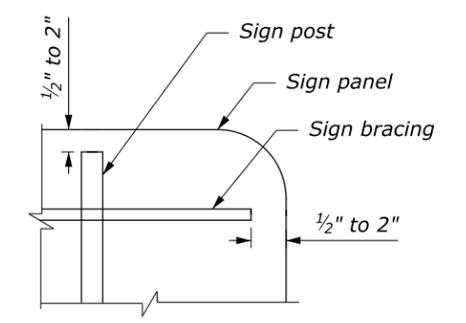
SQUARE TUBULAR STEEL POST



U-CHANNEL STEEL POST



WOOD POST



BRACING INSTALLATION TOLERANCES

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION OFFICE OF FEDERAL LANDS HIGHWAY	
EFLHD DETAIL	
SIGN BRACING	
DETAIL APPROVED FOR USE	DETAIL
APPROVED: MAY 2011	E633-04
REVISED: SEPTEMBER 2020	

NO SCALE



NOTES TO THE DESIGNER

January 16, 2019

General Information

1. *If any of Details E633-02, -03, -04, or -05 is used, also include Detail E633-01.*
 2. *For Breakaway Sign Supports, use Detail E633-02 for Corrosion Resistant Steel and use Detail E633-03 for Wood and Steel.*
 3. *For sign bracings if needed, use Detail E633-04 (Sign bracings are usually needed for signs with 48" width or greater). Verify with Safety, COE and Partner Agency if bracings are required.*
 4. *For "Folding Signs" use Detail E633-05.*
 5. *Project Specific Details should be created for NPS UniGuide sign systems.*
-

Applicable SCRs.

1. Section 633 PERMANENT TRAFFIC CONTROL.
Make sure to specify the post materials (See FP 633.01 for designated posts materials: wood, aluminum, galvanized steel, or corrosion resistant steel) in the plans (typically on Summaries and Schedules sheets), in the sign pay item name, or in the SCR.
-

Typical Pay Item Used

- 63305-0100 thru 63305-1600 Posts, steel (Different sizes/shapes) (LNFT)
 - 63305-1700 thru 63305-2000 Posts, wood (Different sizes) (LNFT)
 - 63306-0100 thru 63306-1600 Posts, steel (Different sizes/shapes) (Each)
 - 63306-1700 thru 63306-2000 Posts, wood (Different sizes) (EACH)

 - 63319-0000 Post sleeve (EACH)
-

Updates

- 01/2019 – Updated "General Information" due to Details updates.
09/2020 - Revised the applicable SCRs section to not refer to LOS (There are no 633 LOS in the library yet).