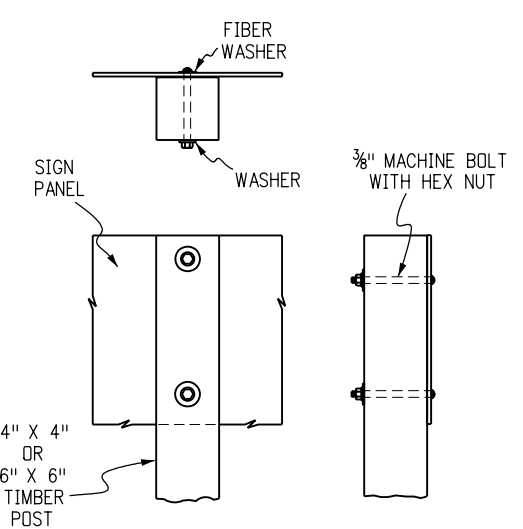
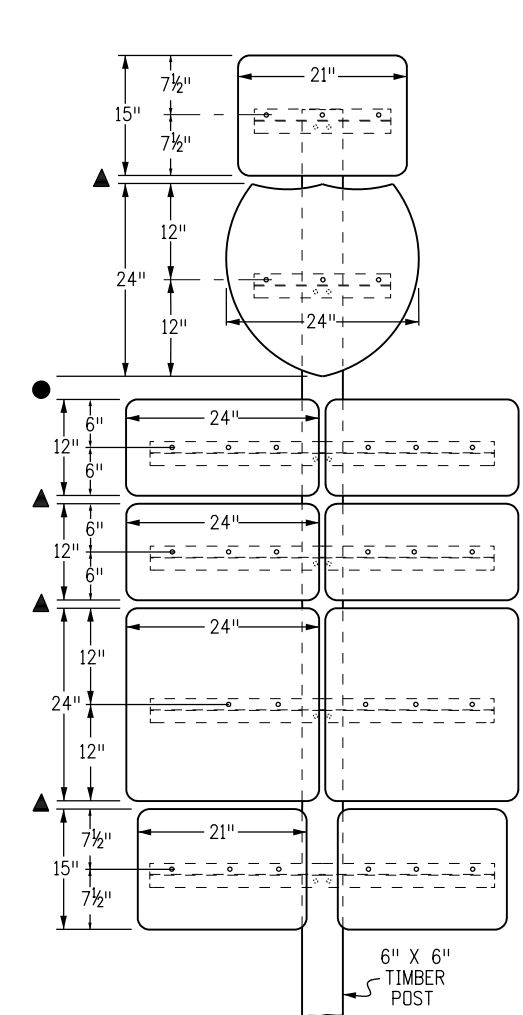
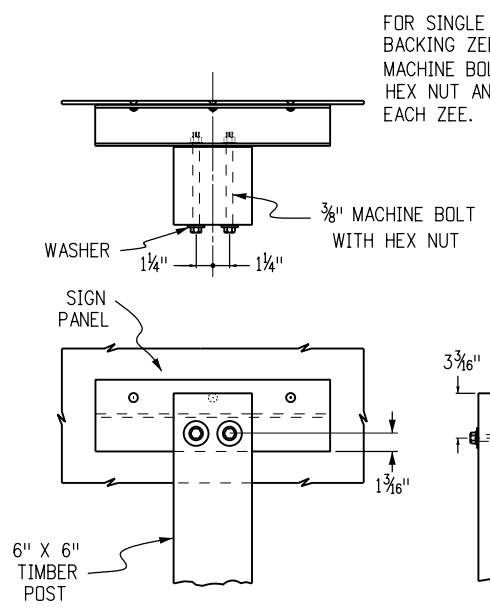
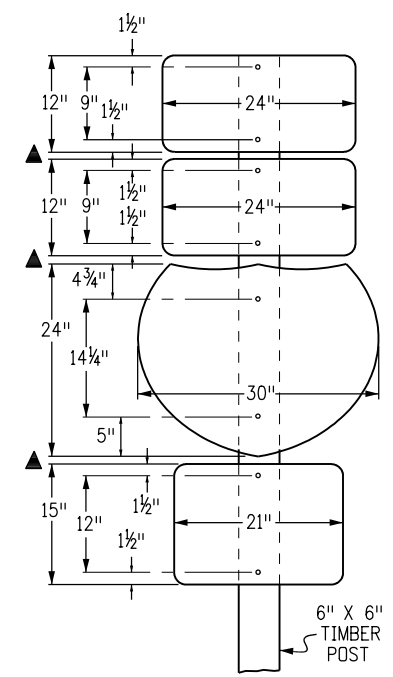
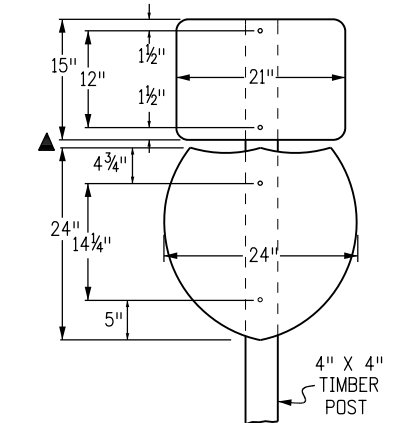
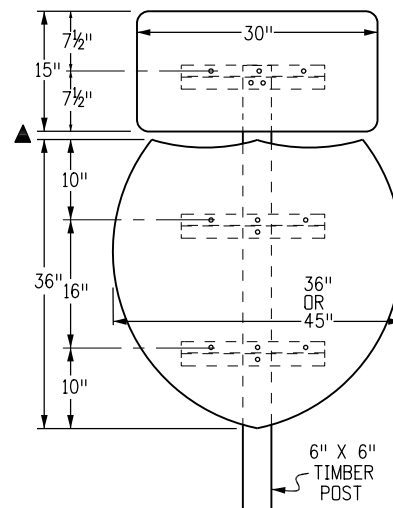
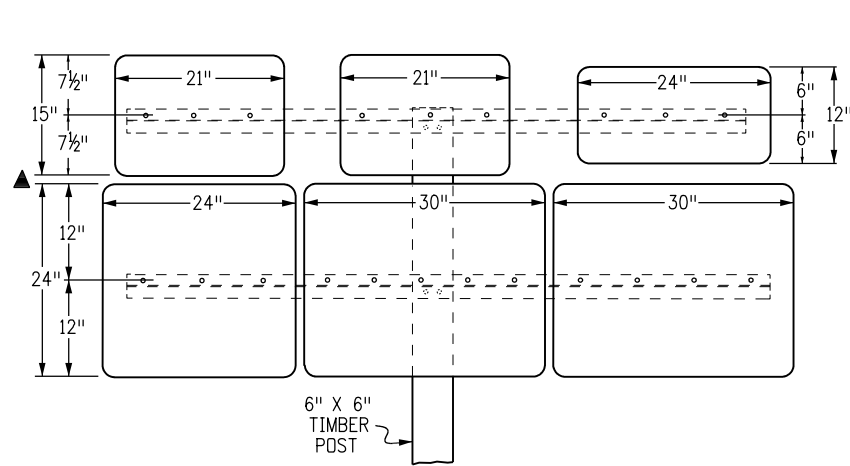




Class I Marker  
Assembly Installation



Class II Marker  
Assembly Installation



General Notes

1. Timber sign posts may only be used for temporary signange during construction. Tubular steel shall be used for permanent installation.
2. For sign placement, see Standard Plan S-614-1.
3. For tubular steel post information, see Standard Plan S-614-8.
4. Route markers shall be single sheet aluminum, 0.100 inch minimum thickness.
5. Backing zeers are 3-inch x 2-inch x 1/16-inch 2.33 6061-T6 aluminum alloy weighing 2.33 pounds per foot.
6. All signs shall be fabricated using retro-reflective sheeting conforming to ASTM D4956. The type shall be as described in the Standard Specifications and/or as shown on the plans.
7. Vertical spacing between panels shall be 1 inch minimum to 1-1/2 inch maximum.
8. Vertical spacing between groups of panels shall be 4 inch.
9. Bolts, nuts, and metal washers shall be galvanized or cadmium plated.
10. Z-Bar length and hole spacing for auxiliary markers to be the same as for corresponding route markers.
11. Washers on timber posts shall be 1 inch diameter.

| PANEL COMBINATIONS      | ZEE LENGTH | NOTES:                                                                                                                                                                                           |
|-------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 21", 24", 30", 36", 45" | *          | 1. HOLE SPACING SHALL BE COUNTED FROM LEFT TO RIGHT LOOKING AT THE BACK OF SIGN WITH FIRST AND LAST HOLES 2-INCHES FROM EDGE OF THE Z-BAR. HOLES IN-BETWEEN SHALL BE 6-INCHES TO 8-INCHES APART. |
| 24" & 24"               | 43"        | 2. * Z-BAR LENGTH SHALL BE 3-INCHES (± 1/2-INCH) SHORT OF THE EDGE OF THE SIGN ON BOTH SIDES.                                                                                                    |
| 24" & 30"               | 49"        | 3. SUPPLEMENTAL PANELS SHALL BE CENTERED RELATIVE TO THE PRIMARY PANELS. Z-BAR LENGTHS FOR SUPPLEMENTAL PANEL GROUPS MAY BE ADJUSTED TO FIT.                                                     |
| 30" & 30"               | 55"        |                                                                                                                                                                                                  |
| 36" & 36"               | 67"        |                                                                                                                                                                                                  |
| 45" & 36"               | 76"        |                                                                                                                                                                                                  |
| 24" & 24" & 24"         | 68"        |                                                                                                                                                                                                  |
| 24" & 24" & 30"         | 74"        |                                                                                                                                                                                                  |
| 24" & 30" & 24"         | 74"        |                                                                                                                                                                                                  |
| 30" & 24" & 30"         | 80"        |                                                                                                                                                                                                  |
| 24" & 30" & 30"         | 80"        |                                                                                                                                                                                                  |
| 30" & 30" & 30"         | 86"        |                                                                                                                                                                                                  |