Erection Detail - Butterfly Structure

1. 1'-0" Section

Topping Diagram

Camber Diagram

Notes:

1. Sign support structures shall conform to Section 408.
2. For other details and notes for cantilever sign structures, see Standard Drawing 31-186.
3. Bolts for 12" O.D. with 0.216" wall thickness pipe to plate connection shall be terminated 1/4" inch from the edge of the gusset plate.
4. 1 1/4" diameter anchor bolts shall be provided with heavy hexagon nuts and washers.
5. For dimension "H", see Table 2 on Standard Drawing 31-186.
6. Anchor plate and template shall conform to the requirements of ASTM A520, Grade 50 unless otherwise noted.
7. Structural steel plates and shapes shall conform to the requirements of ASTM A36.
8. 1 1/4" diameter, 2 1/2" x 2 1/2" A325 splice bolts shall be required to have 71 ksi in tension.
9. All bolts shall be provided with heavy hexagon nuts and washers.
10. Sign panels shall not exceed more than 2'-0" past the centerline of the aluminum sign frame.