NOTES:
1. See Specifications for materials and construction.
2. Detail shows basic arrangement that includes utility AC power. Solar charge battery system requires a project specific design.
3. Each upper sign stringer shall be a 1/2" x 1/2" perforated tube and welded to the steel clamp.
4. Each lower sign stringer shall be a 1/2" x 1/2" perforated tube, and attached to the upper stringer using a 1/2" diameter hex bolt with two 1" diameter x 1/4" thick washers and two hex nuts. Bolts shall be located near each end of the lower stringer.
5. Each clamp shall consist of smooth steel 1/2" thick x 1 1/2" wide, with a 5" nominal inside diameter. The Engineer may require clamps with different diameters if a 5" diameter clamp will not adequately attach to a pole.
6. Each clamp shall be tightened by two 1/2" x 3/4" hex bolts with 1/2" threads and a single 1" hex nut on each side. These bolts shall meet the requirements of ASTM A307 and shall be galvanized in accordance with Sub-Section 601-2.02 of the Standard Specifications.
7. Each horizontal and vertical bolt through a stringer shall be 1/2" diameter with two 1" diameter x 1/4" thick washers, one on each side of the stringer, and double nutted. The hardware shall be installed to avoid overlapping any legend on the sign.
8. All bolts, nuts and washers shall be stainless steel or galvanized cadmium plated.
9. Finish grade around poles with break-away base shall be kept as flat as possible. The slope rate is to be maximum 6 to 1 with no projections above 4" within 3' area around the foundation edge, see T.S. 4 Series for requirements.

Minimum A Pole Height Requirements for 8 Min Clearance

<table>
<thead>
<tr>
<th>Attribute</th>
<th>4' x 4' Sign</th>
<th>5' x 5' Sign</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Pole Without Base</td>
<td>17'</td>
<td>19'</td>
</tr>
<tr>
<td>A Pole With Base</td>
<td>19'</td>
<td>19'</td>
</tr>
</tbody>
</table>

**FLASHER POLE DETAIL**

Type "D" Face See T.S. B Series with Yellow 12-Inch LED Indication Lens and Top of Pole Type III Mounting Assembly See T.S. 9-9

W3-3 or Other Appropriate Warning Sign Per the Plans (48" or 60") See Detail Sheet 2 of 3

Type "D" Face See T.S. B Series with Yellow 12-Inch LED Indication Lens and Type XI Mounting Assembly, See T.S. 9-9

15', 17" or 19" Type "A" Pole (See Table this Sheet) and Foundation, See T.S. 4 Series

Break-away Base Optional Behind Positive barrier or Slower Speed Highways, See T.S. 5-1 For Requirements, Anchor Bolt Projection shall not be more than 3 1/2", Door Opening shall be on Opposite Side of Road.

See T.S. 1 Series No. 5 Pull Box

See (T.S. 4 Series)

See (T.S. 4 Series)