NOTES:

1. Arm plate hole diameter to be bolt diameter plus 1/4". Pole plate tapped hole to have threads with 75% min. full profile height. Threads may be retapped after galvanizing.

2. Prevent contact between aluminum and galvanized parts with a minimum 1/4" thick chloroprene gasket or approved equal.

3. For foundation details, see Standard Construction Drawing SCD TC-22.10.

4. The arm attachment plate shall be welded using a full penetration weld. The pole attachment to the base plate shall be welded using a full penetration weld.

5. For modification of pole to support roadway lighting, see SCD HL-10.12.

6. For location of handholes, see SCD TC-22.10.

7. The design loads were calculated as the equivalent amount of sign area that could be carried at the end of the arm.

8. The design loads were developed without applying galloping fatigue loads. Also, the stress requirements of note 6, Table 11-2 in the AASHTO Code were not applied.

9. These structures should be inspected for excessive wind induced deflection in the vertical direction. If found, a damping plate should be placed on the arm.

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**ARM ATTACHMENT**

- Arm plate hole diameter
- Bolt hole to be bolt diameter plus 1/4" for field drilling
- Steel hex head through bolt 1/4" min. full profile height
- Threads may be retapped after galvanizing

**POLE BASE DETAIL**

- Anchor bolts with 1/4" dia. galv. steel hex head
- Leveling nut

**SIGN BRACKET**

- Sign mounting holes
- 4\(\times\)3\(\times\)1/4" aluminum
- 1/4" dia. carriage bolts, nuts, and lockwashers

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**NOTES**

1. Arm plate hole diameter to be bolt diameter plus 1/4". Pole plate tapped hole to have threads with 75% min. full profile height. Threads may be retapped after galvanizing.

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### THESE DESIGNS USE FULL PENETRATION WELDS AT THE ARM AND BASE PLATE CONNECTIONS

**ALL DIMENSIONS IN INCHES, UNLESS OTHERWISE NOTED**

<table>
<thead>
<tr>
<th>DESIGN NO.</th>
<th>POLE ARM</th>
<th>TWO PIECE ARM</th>
<th>ARM ATTACHMENT</th>
<th>ANCHOR BASE</th>
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<tr>
<td></td>
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<td>SIZE</td>
<td>WALL THK.</td>
<td>SIZE</td>
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<tr>
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<td>12&quot; x 6.26&quot; x 53'</td>
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*Note: Overlap values are approximate and may vary slightly.*