3 lbs STEEL POST

3 lbs STEEL POST WITH SPLICE

(OPTIONAL SPLICE DETAIL FOR POSTS GREATER THAN 16')

WEIGHT = 3 lbs/ft MIN.

SECTION MODULUS X-X = 0.31 in 3 MIN.
ISLANDS AND OTHER SPECIFIED LOCATIONS REQUIRING MULTIPLE SIGN PANEL INSTALLATIONS.

NOTE: SQUARE TUBULAR STEEL POSTS ARE PRIMARILY INTENDED FOR USE IN URBAN AREAS, CHANNELIZATION ISLANDS AND OTHER SPECIFIED LOCATIONS REQUIRING MULTIPLE SIGN PANEL INSTALLATIONS.

**SQUARE TUBULAR STEEL POST**

**ANCHOR POST:**
- TUBE SIZE = 2 1/4" x 2 1/4"  
- WALL THICKNESS = 12 GA  
- WEIGHT = 2.773 lbs/ft MIN.

**ANCHOR SLEEVE:**
- TUBE SIZE = 2 1/2" x 2 1/2"  
- WALL THICKNESS = 12 GA  
- WEIGHT = 3.141 lbs/ft MIN.

**SIGN POST:**
- TUBE SIZE = 2" x 2"  
- WALL THICKNESS = 12 GA  
- WEIGHT = 2.416 lbs/ft

LEAVE TWO (2) HOLES EXPOSED ABOVE GROUND

HOLES OPTIONAL EXCEPT FOR CONNECTION HARDWARE LOCATION

NOT TO SCALE
## Table 1

### Elements of Section

<table>
<thead>
<tr>
<th>Section Properties</th>
<th>2&quot; x 2&quot;</th>
<th>2 1/4 &quot; x 2 1/4 &quot;</th>
<th>2 1/2 &quot; x 2 1/2 &quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>0.5090 in²</td>
<td>0.695 in²</td>
<td>0.803 in²</td>
</tr>
<tr>
<td>J</td>
<td>0.372 in⁴</td>
<td>0.561 in⁴</td>
<td>0.604 in⁴</td>
</tr>
<tr>
<td>S</td>
<td>0.312 in³</td>
<td>0.498 in³</td>
<td>0.643 in³</td>
</tr>
<tr>
<td>r</td>
<td>0.794 in</td>
<td>0.898 in</td>
<td>1.001 in</td>
</tr>
</tbody>
</table>

### Tolerances

1. **Outside Tolerance for All Sides at Corners**: ± 0.01 in
2. **Wall Thickness**: -0.008 in to +0.011 in
3. **Convexity and Concavity**: ± 0.01 in
4. **Squareness of Sides**: ± 0.14 in
5. **Twist Permissible in 3 in Length**: 0.062 in
6. **Straightness**: 1/16 in in 3 ft
7. **Corner Radii**: 5/32 in ± 1/32 in
8. **Length**: ± 1/4 in

### Notes:

1. **Post shall be galvanized except on temporary construction signs.**
2. **Bolts & nylon insert lock nuts shall be stainless steel, per current MDOT standard specifications for construction.**
3. **See Sign-740-Series-Eng for sign connection.**
4. **Posts shall be marked at the 42\" point with spray paint prior to driving to indicate minimum embedment.**
5. **Posts will be measured for payment to the nearest commercial length.**
6. **Self-aligning steel sign reinforcing plate (see Sign-740-Series-Eng) required for use with all type III (sheet steel or aluminum) signs installed on 3 lbs. Self-aligning steel sign reinforcing plate is not to be used with square tubular steel posts.**
7. **Maximum sign square foot for 1-3 lb. post shall be 8 square feet.**
8. **Maximum sign square foot for 2-3 lb. post shall be equal to the 2-3 lb. steel post per Sign-150-Series.**

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*Michigan Department of Transportation*

**Bureau of Highway Development Standard Plan**

`05/01/15  08/06/14  SIGN-200-D  3 of 3`

*Note: The original signed copy is kept on file at the Michigan Department of Transportation.*