**PROCEDURE FOR SELECTING BEAM SECTIONS**

- **Determine values for**, **W, H, L**, **as indicated in drawing.**
- **W** = maximum width of required sign.
- **H** = maximum height of required sign, including auxiliary signs and service symbols.
- **L** = maximum distance between top of footing and bottom of required sign.

- For **sign sizes** between those values in the table, use next highest foot value.
- Enter table with maximum value of **L** and required values of **W** and **H** for selection of appropriate beam size.

---

### 2 POST SIGN

<table>
<thead>
<tr>
<th>W</th>
<th>L</th>
<th>J</th>
<th>F</th>
<th>E</th>
<th>D</th>
<th>C</th>
<th>B</th>
<th>A</th>
<th>W</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**GENERAL NOTES**

1. Signs shall be provided for locations specified on the plans or as directed by the engineer. See sign text layout sheets and plans for sign sizes and approximate location.
2. Dimensions, elevations, slopes, and situations shown are for illustrative purposes only. Actual cases will depend on field conditions.
3. When two or more independent signs are installed as a single installation, the post supports shall be calculated with the total area of the sign being considered as one unit, including an allowance for a 6" vertical space between the sign.
4. Post length to be determined by sign size and location. Exact field location to be determined by the engineer.
5. The minimum horizontal clearance to the near edge of the sign of any multiple post non-breakaway height sign shall be 10'-0" from face of beam guardrail. Other types of guardrail or barrier may require a different offset.

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**FOOTING DETAIL**

**POST DETAIL**

<table>
<thead>
<tr>
<th>SIZE</th>
<th>Depth</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>W12x17</td>
<td>6'</td>
<td>24&quot;</td>
</tr>
<tr>
<td>W6x12</td>
<td>6'</td>
<td>24&quot;</td>
</tr>
<tr>
<td>W6x15</td>
<td>7'-6&quot;</td>
<td>24&quot;</td>
</tr>
<tr>
<td>W6x18</td>
<td>7'-6&quot;</td>
<td>24&quot;</td>
</tr>
<tr>
<td>W6x21</td>
<td>8'-6&quot;</td>
<td>36&quot;</td>
</tr>
<tr>
<td>W10x22</td>
<td>8'-6&quot;</td>
<td>36&quot;</td>
</tr>
<tr>
<td>W10x25</td>
<td>8'-6&quot;</td>
<td>36&quot;</td>
</tr>
</tbody>
</table>

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**SIGNING STANDARD**

**STEEL BEAM DETAILS**

**NON-BREAKAWAY**

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**S4x7.7**

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**STANDARD PLANS**

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**REVISION DATE**

02-26-2010

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**CLASS B**

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**CONCRETE**

---

**STANDARD NO. PS-5**

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**W8x18**

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**S8x18**

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**DIAMETER VARIES**

---

**STANDARDS**

---

**DIAMETER MAYS**

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**MATCH ADJACENT CUT OR FILL**

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**TO DRAIN AT POST**

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**SEE FOOTING DETAIL**

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**5' ONLY, 20'-0'**