SINGLE TEE

10' - 0" x 48"

1:14

1 1/2"

48"

8"

No. of strand (20)

S = straight  D = depressed

No. of depression points

Diameter of strand in 16ths

Safe loads shown include dead load of 10 psf for untapped members and 15 psf for toppel members. Remainder is live load.

Long-time cambers include superimposed dead load but do not include live load.

Key

120 — Safe superimposed service load, psf
1.5 — Estimated camber at erection, in.
1.8 — Estimated long-time camber, in.

\( f'_c = 5000 \text{ psi} \)

\( f_{pu} = 270,000 \text{ psi} \)

Low-relaxation strand

Table of safe superimposed service load (psf) and cambers

Normal Weight Concrete — No Topping

<table>
<thead>
<tr>
<th>Strand Pattern</th>
<th>( a_e )</th>
<th>( e_c )</th>
<th>Span, ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>148-D1</td>
<td>23.78</td>
<td>33.14</td>
<td>68 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100 102 104 106 108 110 112</td>
</tr>
<tr>
<td>168-D1</td>
<td>20.39</td>
<td>32.54</td>
<td></td>
</tr>
<tr>
<td>188-D1</td>
<td>17.75</td>
<td>32.64</td>
<td></td>
</tr>
<tr>
<td>208-D1</td>
<td>15.44</td>
<td>32.39</td>
<td></td>
</tr>
<tr>
<td>228-D1</td>
<td>13.73</td>
<td>32.14</td>
<td></td>
</tr>
<tr>
<td>248-D1</td>
<td>12.14</td>
<td>31.89</td>
<td></td>
</tr>
</tbody>
</table>

Strength based on strain compatibility; bottom tension limited to \( 12\sqrt{f'_c} \); see pages 2-3-2-5 for explanation

Values below heavy line require release strengths higher than 3500 psi.