SOLID FLAT SLAB

4" Thick
Normal Weight Concrete

Safe loads shown include dead load of 10 psf for untopped members and 15 psf for topped members. Remainder is live load. Long-time cambers include superimposed dead load but do not include live load.

\[ f'_{c} = 5000 \text{ psi} \]
\[ f'_{cl} = 3500 \text{ psi} \]

Low-relaxation strand

Key
167 — Safe superimposed service load, psf
0.1 — Estimated camber at erection, in.
0.1 — Estimated long-time camber, in.

Table of safe superimposed service load (psf) and cambers

<table>
<thead>
<tr>
<th>Strand Designation</th>
<th>Span, ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code</td>
<td>10 11 12 13 14 15 16 17</td>
</tr>
</tbody>
</table>

Untopped | Topped
---|---
A = 48.00 in. | —
I = 64.00 in. | 190,75 in.
Y = 2.00 in. | 2.84 in.
Y = 2.00 in. | 3.16 in.
Z = 32.00 in. | 67.18 in.
Z = 32.00 in. | 60.28 in.
b = 12.00 in. | 12.00 in.
w = 50 psf | 75 psf
V = 2.00 in. |

Table of safe superimposed service load (psf) and cambers

FS4

2" Normal Weight Topping

Table of safe superimposed service load (psf) and cambers

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Strength based on strain compatibility; bottom tension limited to \( 6\sqrt{f'_{c}} \); see pages 2-3–2-5 for explanation