### American Institute of Timber Construction

**Glued Laminated Timber Columns with Eccentric End Loads***

Combination 2** (DF L2)  
Duration of Load ($C_D$) = 1.00

<table>
<thead>
<tr>
<th>Lamination Thickness = 1- 1/2 in.</th>
<th>Dry Conditions of Use</th>
</tr>
</thead>
</table>

#### Table Specifications:

- The tabulated capacities are for glued laminated timber columns of constant cross section under dry conditions of use.
- Capacities have been rounded to nearest 10 lb.
- Columns are limited to a maximum effective length/least dimension ($l_e/d$) of 50.
- Capacities are based on column ends being supported to prevent translation.
- The effective buckling length factor used is $K_e = 1.00$.
- End loads are limited to a maximum eccentricity of 1/6 of either cross sectional dimension.
- While these capacity tables have been prepared in accordance with recognized engineering principles and are based on the most accurate and reliable technical data available, these tables should not be used or relied upon for any general or specific application without competent professional examination and verification of their accuracy, suitability, and applicability by a licensed professional engineer, designer, or architect.

### Design Properties: AITC 117-93 Design

- $F_C = 1900$ psi for 4 or more lams, 1600 psi for 3 lams.
- $E = 1.7 \times 10^6$ psi
- $F_{by} = 1800$ psi for 4 or more lams, 1600 psi for 3 lams.
- $F_{bx} = 1700$ psi

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