FEATURES
• Combination #50 (#1 Dense SYP)
• MOE = 1.9x10⁶ psi
• F_b = 2100-2300 psi
• F_c = 1700-2300 psi
• Architectural & Industrial Appearance
• Individually Wrapped
• 3 1/8", 3 1/2", 5 1/8", 5 1/2", 6 3/4", 7" & 8 3/4" Widths
• Treated Columns Available

SERVICE AND SUPPORT
• National distribution through stocking dealers
• Comprehensive technical support literature and sizing software

ANTHONY®
Tomorrow’s Engineered Wood - Today

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### Allowable Axial Loads (Pounds) for Combination No. 50 Glulam Columns

**Side loads are not permitted. End loads are limited to a maximum eccentricity of either 1/6 column width or depth, whichever is worse.**

#### Effective Column Length (ft) 1.00 1.15 1.25 Load Duration Factor

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**NOTES and Allowable Design Properties**

1. The tabulated allowable loads apply only to piecemeal glulam members made with NID14 laminations (Combination 50) without special tension laminations.
2. Applicable service conditions: dry.
3. The tabulated allowable loads are based on simply axially loaded columns subjected to a maximum eccentricity of 1/6 column width or 1/6 column depth, whichever is worse. For side loads, other eccentric load cases, or other combined axial and flexural loads, see 2005 NDS.
4. The column is assumed to be unbraced, except at the column ends, and the effective column length is equal to the actual column length.
5. Design properties for normal load duration and dry service conditions:
   - Compression parallel to grain (F_c) = 2,300 psi for 4 or more lams, or 1,700 psi for 2 or 3 lams.
   - Modulus of elasticity (E) = 1.9 x 10^6 psi
   - Modulus of rupture (F_b) = 500 psi
   - Cross-sectional area
   - Effective column length (L_e) = 1.00 ft
   - Effective column length factor (L_e) = 1.00
   - Load duration factor (F_d) = 1.00

#### Additional Information

- **Load Duration Factor**
  - For normal load duration and dry service conditions.
  - Compression parallel to grain (F_c) = 2,300 psi for 4 or more lams, or 1,700 psi for 2 or 3 lams.
  - Modulus of elasticity (E) = 1.9 x 10^6 psi
  - Modulus of rupture (F_b) = 500 psi
  - Cross-sectional area
  - Effective column length (L_e) = 1.00 ft
  - Effective column length factor (L_e) = 1.00
  - Load duration factor (F_d) = 1.00

- **Allowable Axial Loads**
  - For Combination No. 50 Glulam Columns
  - Side loads are not permitted.
  - End loads are limited to a maximum eccentricity of either 1/6 column width or depth, whichever is worse.

- **Design Properties**
  - Normal load duration and dry service conditions.

- **Notes**
  - Load Duration Factor
  - Modulus of Elasticity (E) = 1.9 x 10^6 psi
  - Compression parallel to grain (F_c) = 2,300 psi for 4 or more lams, or 1,700 psi for 2 or 3 lams.