

GLU-LAMINATED POSTS



ANOTHER **QUALITY** PRODUCT FROM RIGIDPLY RAFTERS

- SINCE 1954 -



THE ONLY REAL LAMINATED POST RIGIDPLY'S GLU-LAMINATED POST

Featuring: Southern Yellow Pine treated with CCA to a .60 pcf retention for a variety of applications. Reference AWPA UC4B.

DISCOVER THE ADVANTAGES

- Lighter, straighter and stronger than solid sawn or nailed laminated posts.
- C.C.A. treated laminations are standard on the ground contact end. Fully treated and fully untreated posts are also available.
- C.C.A. penetration is greater than solid sawn posts.
- Untreated wood above ground reduces the need for galvanized fasteners.
- Reduces cracking, splitting and checking.
- Kiln dried after treating and before laminating, which allows immediate staining or painting.

STANDARD STOCK SIZES:

- 3 ply 2 x 6, 5¹/₄" x 4¹/₁₆"
Standard lengths: 8' - 36'
- 4 ply 2 x 6, 5¹/₄" x 5³/₈"
Standard lengths: 10' - 36'
- 3 ply 2 x 8, 7" x 4¹/₁₆"
Standard lengths: 10' - 36'
- 4 ply 2 x 8, 7" x 5³/₈"
Standard lengths: 12' - 36'
- 6'0" (3-ply) and 7'9" (4-ply) minimum standard treatment.
- Other sizes and lengths of treatment available upon request.
- Available in lengths to 60'0".
- 2 x 10 and 2 x 12 ply posts also available.



Tested and Approved for use in the post frame construction industry by engineers at The Pennsylvania State University. See transactions of the ASAE vol. 31 No. 2 pp. 564-570, 1988. Rigidply testing at South Dakota State University was also completed to confirm Glu-Lam Post Design Values.

RIGIDPLY RAFTERS, Inc. "GLU-LAM COLUMN" SPECIFICATIONS

All columns shall be Rigidply Rafters, Inc. Glu-Lam Columns manufactured of #1 southern yellow pine treated with CCA to a 0.6 pcf retention and #1 untreated southern yellow pine. The treated portion shall be designed to extend at least one foot above the ground line. The adhesives shall be for wet-use conforming to "ASTM D 2559".

The laminations shall be surfaced, glued, and then cured. Laminations and finger joints shall be cured as per current AITC Standards and Guidelines. The columns shall be surfaced, after curing, on the narrow faces of the laminations.

Each production lot shall be qualified by the following tests as described in AITC 200-2004:

AITC Test T107 Shear
AITC Test T110 Cyclic Delamination
AITC Test T119 End Joint Tension

GLU-LAM POST DESIGN VALUES

3 PLY 2 X 6:

Actual Size = 5.25" x 4.0625"..... $F_{b\ y-y} = 2050$ psi
Area = 21.328 sq. in. $F_c = 2150$ psi
 $S_y = 18.66$ in.³ $E_{y-y} = 1700000$ psi
 $I_y = 48.99$ in.⁴

3 PLY 2 X 8:

Actual Size = 7.0" x 4.0625"..... $F_{b\ y-y} = 1900$ psi
Area = 28.438 sq. in. $F_c = 2150$ psi
 $S_y = 33.18$ in.³ $E_{y-y} = 1700000$ psi
 $I_y = 116.12$ in.⁴

4 PLY 2 X 6:

Actual Size = 5.25" x 5.375"..... $F_{b\ y-y} = 2350$ psi
Area = 28.219 sq. in. $F_c = 2150$ psi
 $S_y = 24.691$ in.³ $E_{y-y} = 1700000$ psi
 $I_y = 64.815$ in.⁴

4 PLY 2 X 8:

Actual Size = 7.0" x 5.375"..... $F_{b\ y-y} = 2350$ psi
Area = 37.625 sq. in. $F_c = 2150$ psi
 $S_y = 43.90$ in.³ $E_{y-y} = 1700000$ psi
 $I_y = 153.64$ in.⁴

