Glu-Laminated Posts

Another QUALITY Product from Rigidply Rafters
- SINCE 1954 -

RIGIDPLY RAFTERS INC.

**MANUFACTURERS of
LAMINATED TIMBERS
and WOOD TRUSSES**
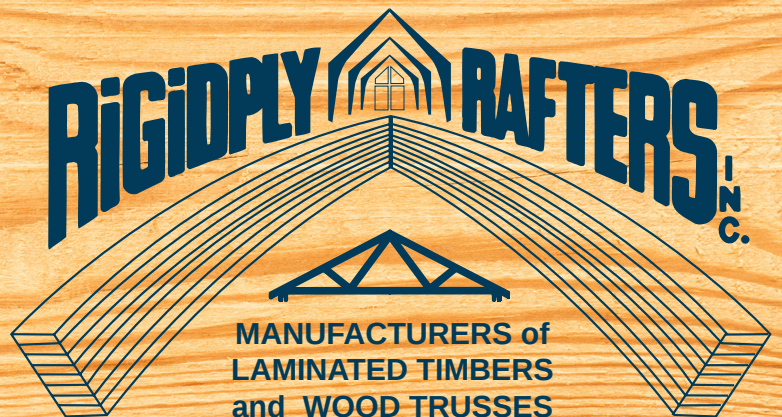
The Only Real Laminated Post
Rigidply's Glu-Laminated Post

Featuring: Southern Yellow Pine treated with CCA to a 0.6 pcf retention for a variety of applications. Reference AWPA UC4B.

Discover the Advantages

• Lighter, straighter and stronger than solid sawn or nailed laminated posts.

• CCA treated laminations are standard on the ground contact end. Fully treated and fully untreated posts are also available.

• CCA 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, 5 1/4" x 4 1/16"
  Standard lengths: 8' - 36'

4 ply 2 x 6, 5 1/4" x 5 3/8"
  Standard lengths: 10' - 36'

3 ply 2 x 8, 7" x 4 1/16"
  Standard lengths: 10' - 36'

4 ply 2 x 8, 7" x 5 3/8"
  Standard lengths: 12' - 36'

www.RIGIDPLY.COM

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" ...... $F_{b\,y\text{-}y}$ = 2050 psi
  Area = 21.328 sq. in. .... F_c = 2150 psi
  S_y = 18.66 in.^{3} .... $E_{y\text{-}y}$ = 1700000 psi
  I_y = 48.99 in.^{4}

3 PLY 2 x 8:
  Actual Size = 7.0" x 4.0625" .... $F_{b\,y\text{-}y}$ = 1900 psi
  Area = 28.438 sq. in. .... F_c = 2150 psi
  S_y = 33.18 in.^{3} .... $E_{y\text{-}y}$ = 1700000 psi
  I_y = 116.12 in.^{4}

4 PLY 2 x 6:
  Actual Size = 5.25" x 5.375" .... $F_{b\,y\text{-}y}$ = 2350 psi
  Area = 28.219 sq. in. .... F_c = 2150 psi
  S_y = 24.691 in.^{3} .... $E_{y\text{-}y}$ = 1700000 psi
  I_y = 64.815 in.^{4}

4 PLY 2 x 8:
  Actual Size = 7.0" x 5.375" .... $F_{b\,y\text{-}y}$ = 2350 psi
  Area = 37.625 sq. in. .... F_c = 2150 psi
  S_y = 43.90 in.^{3} .... $E_{y\text{-}y}$ = 1700000 psi
  I_y = 153.64 in.^{4}

Active Member

NFBA NATIONAL FRAME BUILDING ASSOC.

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