



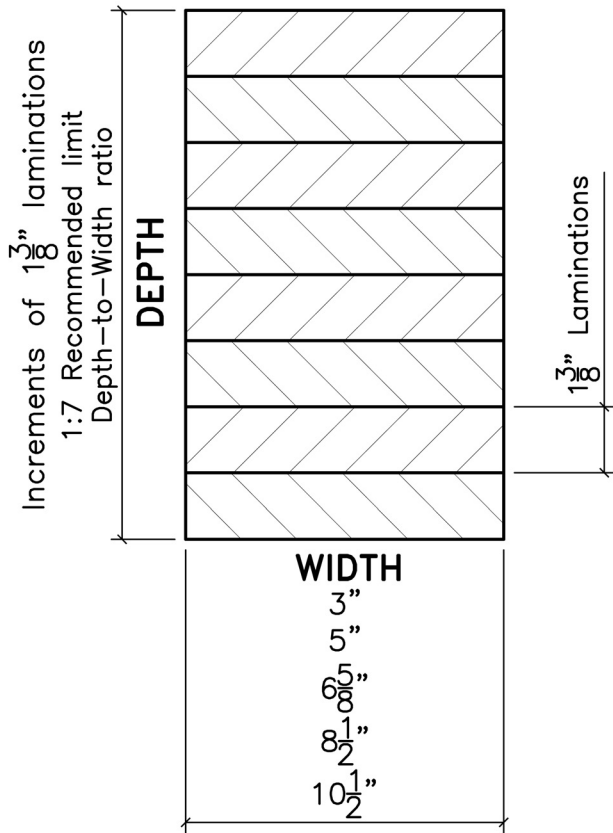
# Structural Wood Systems

321 Dohrimier St. / PO Box 250 - Greenville, Alabama 36037  
 (334) 382-6534 Phone / (334) 382-4260 Fax  
 Web Site: [www.structuralwood.com](http://www.structuralwood.com) - Email: [sales@structuralwood.com](mailto:sales@structuralwood.com)

## MATERIALS

Structural Wood Systems glulam members are Southern Pine, manufactured in accordance with ANSI A190.1-2017 and ANSI 117-2020. Copies can be provided upon request.

## STANDARD SIZES



WIDTHS ABOVE SHOWN FOR ARCHITECTURAL OR PREMIUM APPEARANCE GRADE.  
 INDUSTRIAL APPEARANCE GRADE CAN BE  $\frac{1}{8}$ " WIDER.

- \* Straight members can be cambered from 1/2" - 6"
- \*\* Members can be curved. Custom lamination thicknesses are used for radii less than 16'
- \*\*\* Custom sizes are available upon request

## STANDARD DESIGN VALUES

### *Stress Class - 24F-1.8E*

2,400	psi in Bending, $F_{bx}$
300	psi in Shear Parallel to Grain, $F_v$
740	psi in Compression Perpendicular to grain, $F_{c\perp x}$
1,800,000	psi in Modulus of Elasticity, $E_x$
1,150	psi in Tension Parallel to grain, $F_t$
1,650	psi in Compression Parallel to grain, $F_c$

### *Combination*

- 24F-V3 SP/SP – Unbalanced Lay-up
- 24F-V8 SP/SP – Balanced Lay-up
- #49 Lay-up for primarily axially loaded members

Reference ANSI 117-2020 or The National Design Specification (NDS) for Wood Construction for a more comprehensive list and explanation of design values. Copies can be provided upon request.

## ADHESIVES

Adhesives are waterproof complying with ANSI A190.1-2017 and contain no Urea Formaldehyde.

## PRESERVATIVE TREATMENT

When preservative treatment is necessary, pressure treat prior to gluing per AWWA U1 standards with pentachlorophenol in mineral spirits. (.3 pcf) above ground, (.6 pcf) ground contact.

## SPECIFICATIONS

A complete set of our recommended specifications can be provided upon request.

