



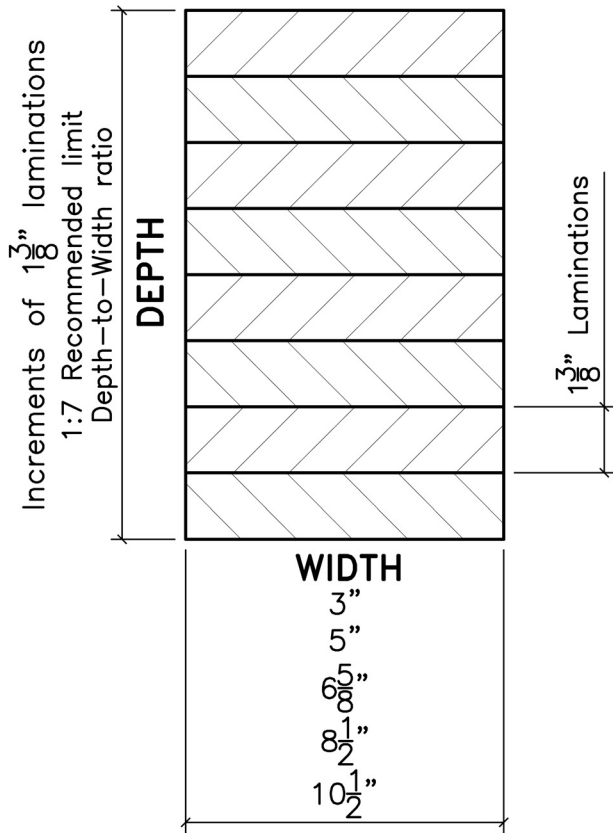
# Structural Wood Systems

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## MATERIALS

Structural Wood Systems glulam members are Southern Pine, manufactured in accordance with ANSI A190.1-2022 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 A190.1-2022 and contain no Urea Formaldehyde.

## PRESERVATIVE TREATMENT

When preservative treatment is necessary, pressure treat prior to gluing per AWWA U1 standards with:  
 MCA-C (.15 pcf) - water-borne for interior or exterior above ground use.  
 DCOI (.1 pcf) – oil-borne for exterior above ground use  
 DCOI (.2 pcf) – oil-borne for exterior ground contact

## SPECIFICATIONS

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

