

## GLU-LAMINATED TIMBER

**Glu-Laminated Timber** is a stress-rated engineered wood beam composed of wood laminations bonded together with a structural adhesive. The wood lamella are laid parallel to one another laminated to produce a custom structural element to fit our customer's requirements. Glu-Laminated Timber are used for structural framing, the perfect product for all of your framing needs!



### ADVANTAGES

Engineered Structural Values  
 Customizable to Fit Unique Projects  
 Pre-Fabricated– Ready to Install  
 Straight & Curved Options



## AVAILABLE SIZES

Nominal Width	Nominal Thickness	Net Width
4x & 6x*	6"	5 1/2"
	8"	7 1/4"
	10"	9 1/4"
	12"	11 1/4"
	14"	13 1/4"
	16"	15 1/4"

\*3 1/2" & 5 1/2" net Width

\*Available in all sizes up to 100ft

## SELECTION PROPERTIES

Nominal Width	Thick-ness (in)	Weight (lbf/ft)	Maximum Resistive Shear (lbf)			Maximum Resistive Moment (ft-lbf)			EI (10 <sup>6</sup> in <sup>2</sup> -lb)
			100%	115%	125%	100%	115%	125%	
4x	6	4.7	3,401	3,911	4,251	2,941	3,382	3,676	78
	8	6.2	4,483	5,155	5,604	5,110	5,877	6,388	178
	10	7.9	5,720	6,578	7,149	8,319	9,566	10,398	369
	12	9.6	6,956	8,000	8,695	12,305	14,150	15,381	664
	14	11.3	8,193	9,422	10,241	17,069	19,629	21,336	1,086
6x	6	7.4	5,344	6,146	6,680	4,622	5,315	5,777	122
	8	9.7	7,045	8,101	8,806	8,030	9,235	10,038	279
	10	12.4	8,988	10,336	11,235	13,072	15,033	16,340	580
	12	15.0	10,931	12,571	13,664	19,336	22,236	24,170	1,044
	14	17.7	12,875	14,806	16,093	26,822	30,845	33,528	1,706

## Design Values vs. Dimension Timber

Product	Grade	Flexural Stress F <sub>b</sub> (psi)	Compression Perpendicular F <sub>c1</sub> (psi)	Shear F <sub>v</sub> (psi)	MOE (10 <sup>6</sup> psi)
GLT	20F-V7 Balanced	2,000	650	265	1.6
4x DF/L	Select Structural	1,500-1,950	625	180	1.9
4x DF/L	No. 1	1,000-1,300	625	180	1.7
4x DF/L*	No. 2	900-1,350	625	180	1.6
6x Df/L*	Select Structural	1,558-1,600	625	170	1.6
6x DF/L*	No. 1	1,315-1,350	625	170	1.6
6x DF/L*	No. 2	852-875	625	170	1.3

\*GLT is a direct substitute for these sizes and grades of timber