

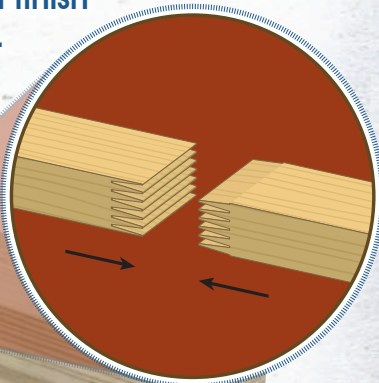
SAVE TIME AND MONEY WITH LAMINATED COLUMNS



WHY BUY LSC STRUCTURAL BUILDING COLUMNS

- This product is manufactured using #1 kiln dried Southern Pine.
- The treated lumber is finger jointed to the untreated lumber to make desired length.
- Framing columns are lighter and easier to use.
- Straighter, stronger and lighter columns greatly reduce labor cost in field as well as eliminate call backs.
- Posts won't crack or split and are of uniform dimension, (making framing and finish work easier).

Finger Jointed for Superior Strength



LSC manufactures glue laminated columns to the highest standards, to provide you with a straighter, stronger and a more predictable column.



HIGH STRENGTH,
QUALITY, LAMINATED
BUILDING COLUMNS



ADVANTAGES OF LSC OVER SOLID COLUMNS

- 1) Individual plies have more complete treating than larger solids (treatment is with CCA to a 0.60 retention).
- 2) Straighter, stronger and lighter columns greatly reduce labor cost in field as well as eliminate call backs.
- 3) Posts won't crack or split and are of uniform dimension, (making framing and finish work easier).
- 4) Untreated portion on upper end eliminates need for hot dipped galvanized nails.
- 5) Longer lengths available with removeable center piles.
- 6) Individual plies can be easily notched for a superior truss bearing connection.

Section Properties	Size	Width	Depth	Area	Section Modulus	Moment of Inertia
		in.	in.	in ²	in ³	in ⁴
	3 ply 2x6	4.31	5.31	22.91	20.29	53.88
	4 ply 2x6	5.75	5.31	30.55	27.05	71.84
	5 ply 2x6	7.19	5.31	38.18	33.81	89.80
	3 ply 2x8	4.31	7.25	31.27	37.78	136.95
	4 ply 2x8	5.75	7.25	41.69	50.37	182.60
	5 ply 2x8	7.19	7.25	52.11	62.97	228.25

ENGINEERING DATA

3 - 5 Ply 2x6 Laminated Column Design Values	Wet Region - embedded												
	Tabulated Design Values (#1 SYP - NDS Table 4B)						Floor Load C D = 1.0		Snow Load C D = 1.15		Wind Load C D = 1.6		
	REF	C _m	C _t	C _F	C _{fu}	C _r	Adjusted Design Values psi		Adjusted Design Values psi		Adjusted Design Values psi		
	F _b	1650	0.85	1	1	1	1.15	F _b *	See Note	F _b *	See Note	F _b *	2581
	F _c	1750	0.8	1	1	1	1	F _c *	1400	F _c *	1610	F _c *	2240
	E	1700000	0.9	1	1	1	1	E'	1530000	E'	1530000	E'	1530000
	E _{min}	620000	0.9	1	1	1	1	E _{min} '	558000	E _{min} '	558000	E _{min} '	558000
	Dry Region - above ground												
	REF	C _m	C _t	C _F	C _{fu}	C _r	Adjusted Design Values psi		Adjusted Design Values psi		Adjusted Design Values psi		
	F _b	1650	1	1	1	1	1.15	F _b *	See Note	F _b *	See Note	F _b *	3036
F _c	1750	1	1	1	1	1	F _c *	1750	F _c *	2013	F _c *	2800	
E	1700000	1	1	1	1	1	E'	1700000	E'	1700000	E'	1700000	
E _{min}	620000	1	1	1	1	1	E _{min} '	620000	E _{min} '	620000	E _{min} '	620000	

2X6 LSC's



3 - 5 Ply 2x8 Laminated Column Design Values	Wet Region - embedded												
	Tabulated Design Values (#1 SYP - NDS Table 4B)						Floor Load C D = 1.0		Snow Load C D = 1.15		Wind Load C D = 1.6		
	REF	C _m	C _t	C _F	C _{fu}	C _r	Adjusted Design Values psi		Adjusted Design Values psi		Adjusted Design Values psi		
	F _b	1500	0.85	1	1	1	1.15	F _b *	See Note	F _b *	See Note	F _b *	2346
	F _c	1650	0.8	1	1	1	1	F _c *	1320	F _c *	1518	F _c *	2112
	E	1700000	0.9	1	1	1	1	E'	1530000	E'	1530000	E'	1530000
	E _{min}	620000	0.9	1	1	1	1	E _{min} '	558000	E _{min} '	558000	E _{min} '	558000
	Dry Region - above ground												
	REF	C _m	C _t	C _F	C _{fu}	C _r	Adjusted Design Values psi		Adjusted Design Values psi		Adjusted Design Values psi		
	F _b	1500	1	1	1	1	1.15	F _b *	See Note	F _b *	See Note	F _b *	2760
F _c	1650	1	1	1	1	1	F _c *	1650	F _c *	1898	F _c *	2640	
E	1700000	1	1	1	1	1	E'	1700000	E'	1700000	E'	1700000	
E _{min}	620000	1	1	1	1	1	E _{min} '	620000	E _{min} '	620000	E _{min} '	620000	

2X8 LSC's

**60 Year Limited Warranty
Against Rot and Decay**

Note: these posts are fabricated for vertical use only & are limited to those conditions where bending stresses are induced by wind or seismic only, not gravity loads
 F_b* = Reference bending design value multiplied by all applicable adjustment factors except C_L
 F_c* = Reference compression design value multiplied by all applicable adjustment factors except C_P
 C_D = 1.00 Long Term Loading (Floor); 1.15 Snow Loading; 1.6 Wind & Seismic Loading