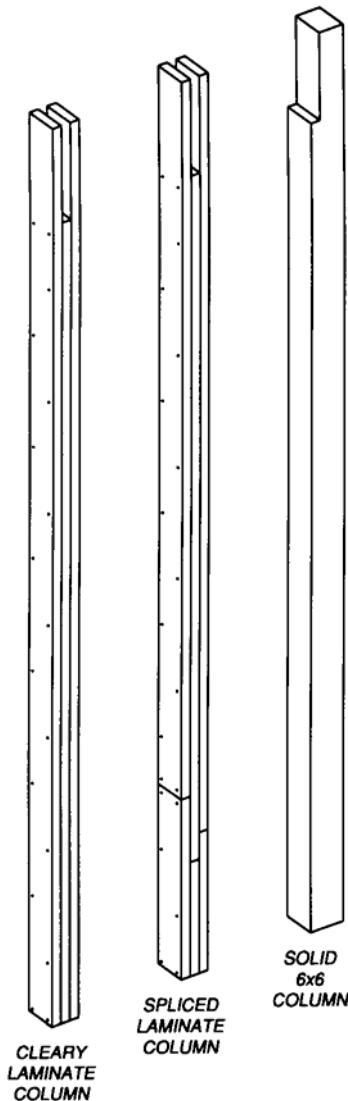




THE CLEARY COLUMN

Non-Spliced from Footing to Eave

Most Post-Frame Building Construction employs the nail laminated sidewall & endwall column. This column offers both superior strength and decay resistance when compared to the old solid 6" x 6" column.



DECAY RESISTANCE is improved because each individual member of the column is treated before it is laminated together, giving you a column which is virtually treated all the way through. Most competitors do not offer a fully treated column.

EXTRA STRENGTH is attained because these columns are composed of #1 Southern Pine with a design bending stress of 1897 psi. Compared to the old #2 6" x 6" column, which has a bending stress of only 850 psi, the Cleary Non-Spliced Laminated Treated Column is exceptional.

Cleary Building Corp. goes one step further than most builders because they use a continuous, non-spliced laminated treated column from footing to eave on the sidewall. It costs a little more to treat the column from footing to the eave but Cleary Building Corp. knows it is worth it. **Tests have shown that the Cleary Building Corp non-spliced laminated treated column is approximately twice as strong as a spliced laminated treated column.**

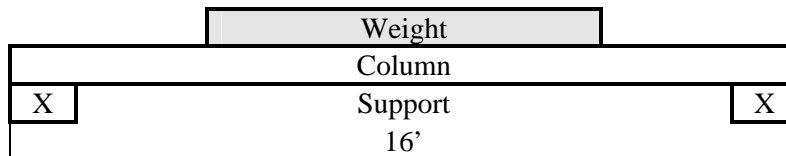
The outside plies of the sidewall and endwall columns are non-spliced from footing to eave. Sidewall columns have a truss height adjustment block such that the center column ply stops approximately 4' below the top of the column. Endwall columns have a center untreated vertical installed such that a splice in the center ply occurs approximately 6' below the top of the column and runs to the top of the top chord of the endwall truss.

SUMMARY OF CLEARY COLUMN TEST

On June 28, 1991 Cleary Building Corp conducted tests on three different types of columns being used in today's Post-Frame buildings. The columns tested were:

1. Solid 6" x 6" treated column #2 Southern Pine
2. Spliced Laminated Treated column consisting of 3 – 2" x 6" #1 Southern Pine. The spliced joints were offset from each other by 24" and nailed with 2 – 10d spikes every 4".
3. Cleary Non-spliced Laminated Treated column consisting of 3 – 2" x 6" #1 Southern Pine.

The following is a summary of those test results:



COLUMN TYPE	TOTAL LOAD AT FAILURE – LBS.	DEFLECTION AT 4,320 LBS.	EQUIVALENT WIND VELOCITY AT ULTIMATE LOAD
Spliced Laminated	4320	2.75"	85 mph
Solid 6" x 6"	6912	2.25"	108 mph
Cleary Non-Spliced Laminated column	10368	2"	127 mph

These tests show:

- The solid 6" x 6" column to be 1.6 times stronger than the spliced laminated column.
- The Cleary Non-spliced Laminated Treated column is 1.5 times stronger than the solid 6" x 6" column and 2.4 times stronger than the spliced laminated column.
- These tests are also consistent with tests previously run by the University of Wisconsin.