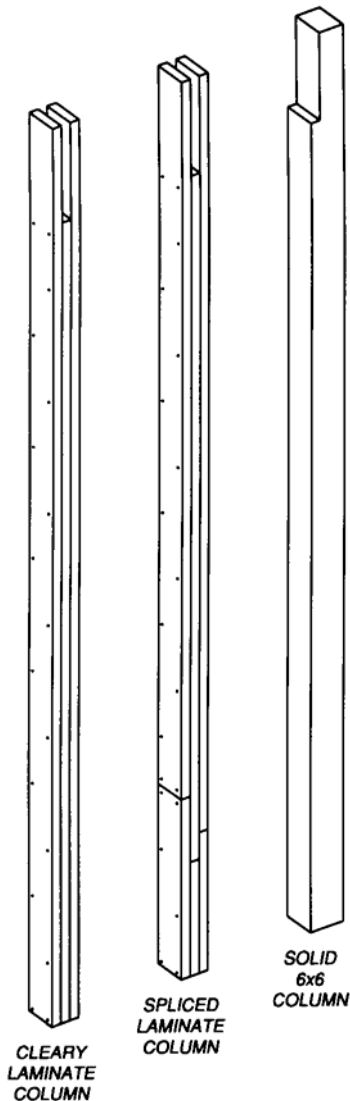




# THE CLEARY COLUMN

## 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.**

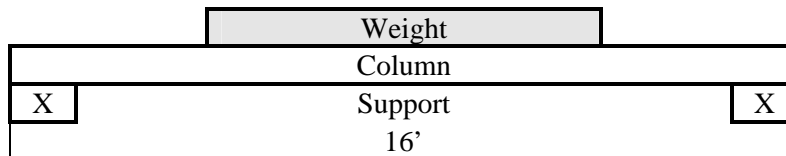
The outside plies of the sidewall and endwall columns are non-spliced from footing to eave. Sidewall columns have a truss height adjustment block such that the center column ply stops approximately 4' below the top of the column. Endwall columns have a center untreated vertical installed such that a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