

# Nail-Lam Columns

by



Another Reason We are

## Your One Stop Shop for All Things Post Frame!

- Straighter, stronger and lighter than solid sawn post
- Won't split, warp or twist allowing for easier framing and finishing
- Saves you time and money in the field by reducing labor cost and callbacks
- 3 ply, 4 ply and 5 ply 2x6 and 2x8 columns available up to 40' feet
- Column design and engineering available from Timber Tech Engineering, Inc.
- Stocking Programs available!!
- Post Protectors can be installed for a minimal fee to save you time and money

# NAIL-LAM COLUMNS



Graber Post Buildings Inc. has been known for over 30 years as a producer and supplier of quality building products to the Post Frame industry. We pride ourselves in being a One-Stop shop for all things post frame, and we are pleased to offer the **GPB Nail Lam column** to our offering of quality products. Only the best raw materials are used in our columns and we start with **#1 Southern Pine** lumber for both treated and untreated portions of the column. The bottom treated part of the column is protected against rot, decay and insect damage (.60 CCA; Also, .80 CCA is an option and carries the same warranty). Our column has a #1 SPIB certified finger joint and our program is inspected and overseen by an engineering firm to ensure that our columns meet the high standards our customers expect. GPB Nail Lam Columns will save you time and money on your next project. Call us today!

### Why Buy a GPB Nail-Lam Column?

- Graber Post Buildings Inc. is a recognized leader in the Post Frame industry, a one-stop shop for all things Post Frame.
- Our columns reduce labor cost and eliminate call backs because they are stronger, straighter and lighter than solid post.
- Our columns won't split, warp or twist, allowing for easier framing and finishing.
- The upper 18"-24" of each column contains no fasteners or adhesive allowing individual plies to be notched in the field for a superior truss connection.
- Eliminates the need to have hot dipped galvanized nails on the untreated upper portion of the columns.
- The plies are glued, nailed and planed on all sides giving you a uniform product to frame with.
- All Structural finger joints are produced under SPIB Glue Lumber Standards and carry a #1 certification from the Southern Pine Inspection Bureau, a nationally recognized third party inspection agency.
- Column design and sizing available from Timber Tech Engineering, Inc.
- Stocking programs available.



Wet Region										
Tabulated Design Values (#1 SYP - NDS Table 4B)										
Ref.	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	C <sub>5</sub>	C <sub>6</sub>	C <sub>7</sub>	C <sub>9</sub>	C <sub>10</sub>	C <sub>11</sub>	Adjusted Design Values (psi)
F <sub>b</sub>	1650	1.00	0.85	1.00	1.00	-	1.35	-	-	F <sub>b</sub> <sup>*</sup> 1993 (x C <sub>2</sub> x C <sub>11</sub> )
F <sub>c</sub>	1750	1.00	0.80	1.00	1.00	-	-	-	-	F <sub>c</sub> <sup>*</sup> 1400 (x C <sub>2</sub> x C <sub>9</sub> )
E	1.7E+06	-	0.90	1.00	-	-	-	-	-	E <sup>*</sup> 1.53E+06
E <sub>min</sub>	6.2E+05	-	0.90	1.00	-	-	-	-	-	E <sub>min</sub> <sup>*</sup> 5.58E+05

  

Dry Region										
Tabulated Design Values (#1 SYP - NDS Table 4B)										
Ref.	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	C <sub>5</sub>	C <sub>6</sub>	C <sub>7</sub>	C <sub>9</sub>	C <sub>10</sub>	C <sub>11</sub>	Adjusted Design Values (psi)
F <sub>b</sub>	1650	1.00	1.00	1.00	1.00	-	1.35	-	-	F <sub>b</sub> <sup>*</sup> 2228 (x C <sub>2</sub> x C <sub>11</sub> )
F <sub>c</sub>	1750	1.00	1.00	1.00	1.00	-	-	-	-	F <sub>c</sub> <sup>*</sup> 1750 (x C <sub>2</sub> x C <sub>9</sub> )
E	1.7E+06	-	1.00	1.00	-	-	-	-	-	E <sup>*</sup> 1.70E+06
E <sub>min</sub>	6.2E+05	-	1.00	1.00	-	-	-	-	-	E <sub>min</sub> <sup>*</sup> 6.20E+05

F<sub>b</sub><sup>\*</sup> = Reference bending design value multiplied by all applicable adjustment factors except C<sub>2</sub>  
 F<sub>c</sub><sup>\*</sup> = Reference compression design value multiplied by all applicable adjustment factors except C<sub>2</sub>  
 C<sub>2</sub> = 1.00 Long Term Loading (Floor), 1.15 Snow Loading, 1.6 Wind & Seismic Loading

Wet Region										
Tabulated Design Values (#1 SYP - NDS Table 4B)										
Ref.	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	C <sub>5</sub>	C <sub>6</sub>	C <sub>7</sub>	C <sub>9</sub>	C <sub>10</sub>	C <sub>11</sub>	Adjusted Design Values (psi)
F <sub>b</sub>	1650	1.00	0.85	1.00	1.00	-	1.35	-	-	F <sub>b</sub> <sup>*</sup> 1993 (x C <sub>2</sub> x C <sub>11</sub> )
F <sub>c</sub>	1750	1.00	0.80	1.00	1.00	-	-	-	-	F <sub>c</sub> <sup>*</sup> 1400 (x C <sub>2</sub> x C <sub>9</sub> )
E	1.7E+06	-	0.90	1.00	-	-	-	-	-	E <sup>*</sup> 1.53E+06
E <sub>min</sub>	6.2E+05	-	0.90	1.00	-	-	-	-	-	E <sub>min</sub> <sup>*</sup> 5.58E+05

  

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Ref.	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	C <sub>5</sub>	C <sub>6</sub>	C <sub>7</sub>	C <sub>9</sub>	C <sub>10</sub>	C <sub>11</sub>	Adjusted Design Values (psi)
F <sub>b</sub>	1650	1.00	1.00	1.00	1.00	-	1.35	-	-	F <sub>b</sub> <sup>*</sup> 2228 (x C <sub>2</sub> x C <sub>11</sub> )
F <sub>c</sub>	1750	1.00	1.00	1.00	1.00	-	-	-	-	F <sub>c</sub> <sup>*</sup> 1750 (x C <sub>2</sub> x C <sub>9</sub> )
E	1.7E+06	-	1.00	1.00	-	-	-	-	-	E <sup>*</sup> 1.70E+06
E <sub>min</sub>	6.2E+05	-	1.00	1.00	-	-	-	-	-	E <sub>min</sub> <sup>*</sup> 6.20E+05

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 F<sub>c</sub><sup>\*</sup> = Reference compression design value multiplied by all applicable adjustment factors except C<sub>2</sub>  
 C<sub>2</sub> = 1.00 Long Term Loading (Floor), 1.15 Snow Loading, 1.6 Wind & Seismic Loading

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Tabulated Design Values (#1 SYP - NDS Table 4B)										
Ref.	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	C <sub>5</sub>	C <sub>6</sub>	C <sub>7</sub>	C <sub>9</sub>	C <sub>10</sub>	C <sub>11</sub>	Adjusted Design Values (psi)
F <sub>b</sub>	1500	1.00	0.85	1.00	1.10	-	1.35	-	-	F <sub>b</sub> <sup>*</sup> 1993 (x C <sub>2</sub> x C <sub>11</sub> )
F <sub>c</sub>	1650	1.00	0.80	1.00	1.00	-	-	-	-	F <sub>c</sub> <sup>*</sup> 1320 (x C <sub>2</sub> x C <sub>9</sub> )
E	1.7E+06	-	0.90	1.00	-	-	-	-	-	E <sup>*</sup> 1.53E+06
E <sub>min</sub>	6.2E+05	-	0.90	1.00	-	-	-	-	-	E <sub>min</sub> <sup>*</sup> 5.58E+05

  

Dry Region										
Tabulated Design Values (#1 SYP - NDS Table 4B)										
Ref.	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	C <sub>5</sub>	C <sub>6</sub>	C <sub>7</sub>	C <sub>9</sub>	C <sub>10</sub>	C <sub>11</sub>	Adjusted Design Values (psi)
F <sub>b</sub>	1500	1.00	1.00	1.00	1.10	-	1.35	-	-	F <sub>b</sub> <sup>*</sup> 2228 (x C <sub>2</sub> x C <sub>11</sub> )
F <sub>c</sub>	1650	1.00	1.00	1.00	1.00	-	-	-	-	F <sub>c</sub> <sup>*</sup> 1650 (x C <sub>2</sub> x C <sub>9</sub> )
E	1.7E+06	-	1.00	1.00	-	-	-	-	-	E <sup>*</sup> 1.70E+06
E <sub>min</sub>	6.2E+05	-	1.00	1.00	-	-	-	-	-	E <sub>min</sub> <sup>*</sup> 6.20E+05

F<sub>b</sub><sup>\*</sup> = Reference bending design value multiplied by all applicable adjustment factors except C<sub>2</sub>  
 F<sub>c</sub><sup>\*</sup> = Reference compression design value multiplied by all applicable adjustment factors except C<sub>2</sub>  
 C<sub>2</sub> = 1.00 Long Term Loading (Floor), 1.15 Snow Loading, 1.6 Wind & Seismic Loading

Wet Region										
Tabulated Design Values (#1 SYP - NDS Table 4B)										
Ref.	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	C <sub>5</sub>	C <sub>6</sub>	C <sub>7</sub>	C <sub>9</sub>	C <sub>10</sub>	C <sub>11</sub>	Adjusted Design Values (psi)
F <sub>b</sub>	1500	1.00	0.85	1.00	1.10	-	1.40	-	-	F <sub>b</sub> <sup>*</sup> 1994 (x C <sub>2</sub> x C <sub>11</sub> )
F <sub>c</sub>	1650	1.00	0.80	1.00	1.00	-	-	-	-	F <sub>c</sub> <sup>*</sup> 1320 (x C <sub>2</sub> x C <sub>9</sub> )
E	1.7E+06	-	0.90	1.00	-	-	-	-	-	E <sup>*</sup> 1.53E+06
E <sub>min</sub>	6.2E+05	-	0.90	1.00	-	-	-	-	-	E <sub>min</sub> <sup>*</sup> 5.58E+05

  

Dry Region										
Tabulated Design Values (#1 SYP - NDS Table 4B)										
Ref.	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	C <sub>5</sub>	C <sub>6</sub>	C <sub>7</sub>	C <sub>9</sub>	C <sub>10</sub>	C <sub>11</sub>	Adjusted Design Values (psi)
F <sub>b</sub>	1500	1.00	1.00	1.00	1.10	-	1.40	-	-	F <sub>b</sub> <sup>*</sup> 2310 (x C <sub>2</sub> x C <sub>11</sub> )
F <sub>c</sub>	1650	1.00	1.00	1.00	1.00	-	-	-	-	F <sub>c</sub> <sup>*</sup> 1650 (x C <sub>2</sub> x C <sub>9</sub> )
E	1.7E+06	-	1.00	1.00	-	-	-	-	-	E <sup>*</sup> 1.70E+06
E <sub>min</sub>	6.2E+05	-	1.00	1.00	-	-	-	-	-	E <sub>min</sub> <sup>*</sup> 6.20E+05

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 C<sub>2</sub> = 1.00 Long Term Loading (Floor), 1.15 Snow Loading, 1.6 Wind & Seismic Loading



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## A '1-Stop Shop' for all Post Frame projects.

Since 1973, Graber Post has been committed to our customers and their building materials needs. Our GPB Nail Lam Columns are just one facet of our manufacturing plant in rural Daviess County, Indiana. These 3-ply, 4-ply, and 5 ply laminated posts are available on an individual basis, by the bundle, or by the truckload.



We start with the best raw materials, then add quality workmanship from our local Amish community. At Graber Post, we keep things

simple: provide the best products at a fair price while adding an element of service that exceeds our customer's expectations. We live up to our slogan, ***"Working Hard for Your Success"***.



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