

Cook County Engineered

Engineered Lumber is particles or strands of lumber fiber that are glued together to create a new, more precise piece of lumber. Engineered Lumber has become increasingly popular over the past ten years, especially in North America. This process has helped the preservation of timber in the recycling of other timbers, while also producing high quality, structural products used for residential and commercial construction. Engineered Lumber can be found in the construction of roofing and flooring.

I-Joist

Sizes: 9-1/2", 11-7/8", 14", 16"
Lengths: 8' thru 48'
Flange: 1-3/4" x 1-3/8" (20 Series)
2-5/16" x 1-3/8" (40 Series)
2-5/16" x 1-1/2" (70 Series)
3-1/2" x 1-1/2" (90 Series)

Please see I-Joist subsection page for further details.



LVL (Laminated Veneer Lumber)

Sizes: 1-3/4", 3-1/2", 5-1/4", 7"
Widths: 5-1/2", 7-1/4", 9-1/4", 9-1/2",
11-1/4", 11-7/8", 14", 16", 18"
Lengths: 8' thru 48'



Rimboard

Sizes: 1-1/8"
Widths: 9-1/2", 11-7/8", 14", 16", 18"
Lengths: 12' only

Glulam

Beams
-Architectural
-Industrial
Columns
Headers

Please see Glulam subsection for further details.

Hangers

We stock, as well as special order, a wide variety of Hangers to suit your needs.



Cook County

Engineered Glulam Details

Glulam

Beam

Architectural

Species: Southern Yellow Pine, Doug Fir
Sizes: 3-1/8", 5-1/8", 6-3/4"
Widths: 9-5/8", 9-1/2", 12", 13-1/2", 15", 15-1/8",
16-1/2", 17-7/8", 20-5/8", 24-3/4"
Lengths: Even length sizes up to 48'

Industrial

Species: Southern Yellow Pine, Doug Fir
Sizes: 3-1/2", 5-1/2", 7"
Widths: 9", 9-1/4", 9-1/2", 11-1/4", 13-1/2", 14", 16", 18"
Lengths: Even length sizes up to 48'

Columns

Species: Southern Yellow Pine, Doug Fir (1.9, 2.0)
Sizes: 3-1/2", 5-1/2"
Widths: 3-1/2", 5-1/2", 7"
Lengths: Even length sizes up to 48'

Headers

Species: Southern Yellow Pine, Doug Fir
Size: 3-1/2"
Widths: 11-1/4", 13-1/2"
Lengths: 9'9", 16'9", 18'9"

(If you don't see your size please call us)



Cook County Engineered

Roseburg's Engineered Lumber

Roseburg Forest Products

www.rfpco.com

With nearly 70 acres and 500,000 sq.ft. in their facilities, Roseburg is one of the largest Engineered Wood manufacturers. It is a complete processing facility, from drying and grading veneer to the final package. Cook County Lumber is proud to carry Roseburg's premium quality engineered lumber, and we are the only Chicago dealer of Roseburg's Engineered Lumber! Look to our services to see what Engineered support and services we provide!

Roseburg's LVL's

RigidLam LVL headers and beams, thanks to new technology and design, does a better job than traditional sawn lumber pieces. Roseburg's LVL's are stronger, stiffer, more consistent and more predictable building materials. LVL headers and beams can support heavier loads and allow greater spans than conventional lumber, making Roseburg Engineered Lumber very economical.

LVL Beam: sealed 6 sides, no UV ray penetration, eased edge

5 ½" to 18 " DEEP * 24" special order

1 ¾" to 7" WIDE

Roseburg's I Joist

Roseburg's RFPI Joists will not warp, twist, or shrink while also providing uniform dimensions. They can be cut and fastened with traditional framing tools and fasteners. Roseburg's I-Joists can be used at greater joist spacing, allowing builders to cut and handle fewer pieces. Moreover, with longer pieces and lighter weight, installation becomes more efficient with less costs and wastes. Roseburg's Engineered lumber is the better decision for any builder's project

I-Joist: no chip, warp, splinter, easier to nail, ease of edge

9 ½" to 16" inches depths

Roseburg's Allowable Floor Spans

Roseburg Designation	APA PRI	40/10 SIMPLE Span				40/10 MULTIPLE Span			
		12"oc	16"oc	19.2"oc	24"oc	12"oc	16"oc	19.2"oc	24"oc
9 1/2" RFPI 20	9 1/2" PRI 20	16'-7"	15'-2"	14'-4"	13'-5"	18'-1"	16'-6"	15'-7"	13'-5"
9 1/2" RFPI 40	9 1/2" PRI 40	17'-1"	15'-8"	14'-10"	13'-10"	19'-5"	17'-11"	16'-4"	14'-7"
11 7/8" RFPI 20	11 7/8" PRI 20	19'-11"	18'-2"	17'-2"	16'-0"	21'-8"	19'-7"	16'-9"	13'-5"
11 7/8" RFPI 40	11 7/8" PRI 40	21'-5"	19'-7"	18'-6"	16'-8"	23'-5"	20'-5"	18'-7"	16'-7"
11 7/8" RFPI 70	11 7/8" PRI 70	23'-0"	21'-0"	19'-10"	18'-6"	25'-1"	22'-10"	21'-7"	18'-6"
11 7/8" RFPI 90	11 7/8" PRI 90	25'-8"	23'-4"	22'-0"	20'-5"	27'-11"	25'-5"	23'-11"	22'-2"
14" RFPI 40	14" PRI 40	24'-4"	22'-3"	20'-6"	18'-4"	25'-11"	22'-5"	20'-5"	18'-3"
14" RFPI 70	14" PRI 70	26'-1"	23'-10"	22'-6"	20'-11"	28'-5"	25'-11"	23'-2"	18'-6"
14" RFPI 90	14" PRI 90	29'-1"	26'-5"	24'-11"	23'-2"	31'-8"	28'-10"	27'-1"	25'-2"
16" RFPI 40	16" PRI 40	26'-11"	24'-3"	22'-1"	19'-9"	27'-11"	24'-2"	22'-0"	19'-8"
16" RFPI 70	16" RPI 70	29'-0"	26'-5"	24'-11"	23'-1"	31'-7"	27'-10"	23'-2"	18'-6"
16" RFPI 90	16" PRI 90	32'-2"	29'-3"	27'-7"	25'-7"	35'-1"	31'-10"	30'-0"	26'-7"

- **40 PSF Live load and 10 PSF Dead load**
- **Maximum Deflection is limited to L/480 for live load and L/240 for total load**
- **A Minimum of 1 3/4" is required for end bearing, 3 1/2" intermediate bearing**