



# TOTAL SUPPORT

RedBuilt.com  
1.866.859.6757

- Red-I™ Joists
- Open-Web Trusses
- RedLam™ Laminated Veneer Lumber
- RedPlank™ Scaffold Plank
- RedForm™ Concrete Forming



Download your free copy  
at RedBuilt.com

Specify RedBuilt™ products  
for your next project using  
RedSpec™ single-member  
sizing software.

# THERE IS NO SUBSTITUTE.

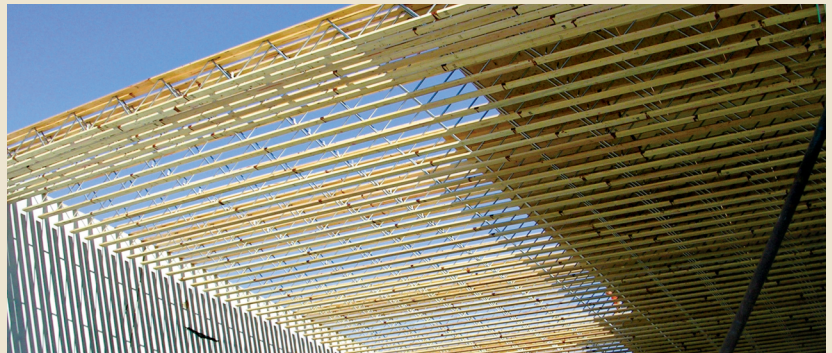
Welcome to RedBuilt™ Engineered Wood Products. With a history that dates back to 1960, we are the leading supplier of engineered wood structural systems for commercial structures in America...and for good reason.

When you specify RedBuilt™ you benefit from the invaluable experience and technical expertise earned on thousands of completed projects from coast to coast, including:

- Offices
- Hotels and motels
- Custom residences
- Multi-family housing
- Schools
- Restaurants
- Retail locations
- Warehouses
- National brands
- Industrial

## THE WIDEST PRODUCT SELECTION IN THE INDUSTRY

RedBuilt is the premier supplier of fully integrated structural systems, available for delivery throughout North America, utilizing high-performance design and the highest quality framing components. Manufactured to precise tolerances and compatible dimensions, our Red-I™ joists, open-web trusses, and RedLam™ LVL laminated veneer lumber help speed up construction and provide long lasting, reliable and consistent performance you can count on.





## TOTAL SUPPORT FROM START TO FINISH

- 1. Unsurpassed technical support.** Bring your building concepts to us and we'll assist you with selecting the most cost-efficient engineered wood structural system available. Our highly experienced technical representatives are supported by a team that includes design technicians and professional engineers licensed throughout North America. Together they ensure that the integrated components and accessory products in your structural frame package work together seamlessly and efficiently.
- 2. A problem-free process.** You'll work with one contact who knows you and your building needs, no matter the location. For each project, our in-house technical team works with you to help ensure your project meets all local, state and national building codes. To expedite the approval process, you'll receive computer-generated drawings with detailed and accurate calculations, loading conditions, material lists and special requirements.
- 3. Jobsite support.** During construction, you benefit from service and on-site support provided by our network of local technical representatives. Located throughout North America, our technical representatives are available to provide on-site assistance with pre- and post-installation product reviews.
- 4. Limited Lifetime Warranty and repair services.** RedBuilt is committed to producing and marketing the highest quality engineered wood products available. To authenticate this promise we offer the following warranty:

*"We warrant that our products will be free from manufacturing errors or defects in workmanship and material. In addition, we warrant the adequacy of our design for the normal and expected life of the building, provided the product is correctly installed and used."*

RedBuilt also maintains records for most open-web projects completed by the company since its inception in the 1960s. This enables us to work with the building design professionals for future maintenance and modifications, as well as for repairs or modifications to existing products.

Incorporate the strength and efficiency of RedBuilt™ engineered wood products into your next building. Our patented manufacturing technologies combined with world-class service and technical support adds up to Total Support for you and your projects.

## OUR PRODUCTS

- Red-I™ Joists
- Open-Web Trusses
- RedLam™ Laminated Veneer Lumber
- RedPlank™ Scaffold Plank
- RedForm™ Concrete Forming



# THE REDBUILT ADVANTAGE.

- A single source for the entire structural frame
- Reliable and predictable performance
- Compatible framing components allow for faster installation
- Components are pre-cut to specifications

## BUILDING SOLUTIONS FOR COMMERCIAL CONSTRUCTION



From the main carrying beams to edge blocking, from tall walls to open-web trusses and Red-I™ joists, RedBuilt offers building solutions by delivering the industry's most innovative engineered wood products and systems from a single, reliable source. You'll get better

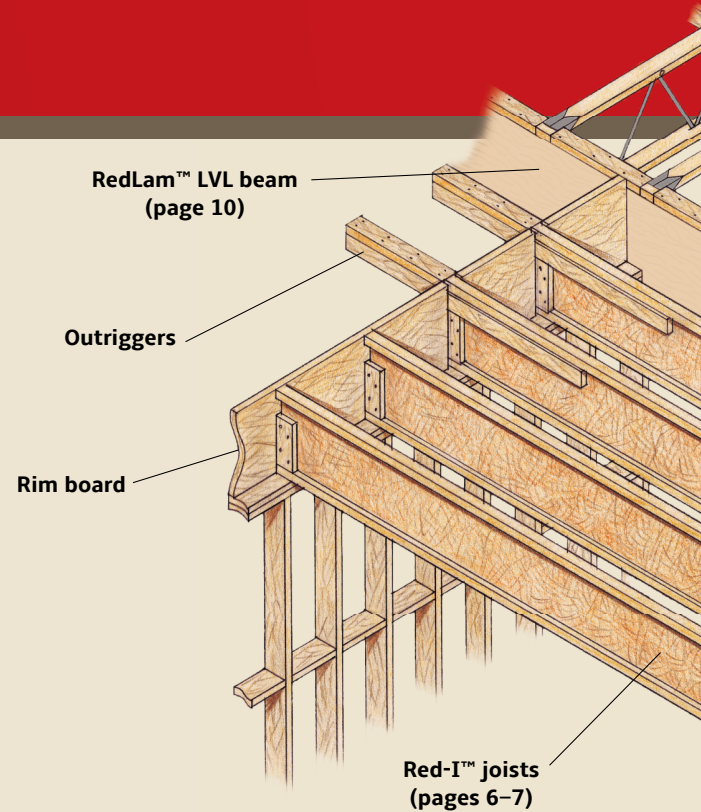
performance from materials that are designed to work together—joists and wall framing that stay straight, fasteners and connectors that hold tight, and headers and beams that deliver higher load capacity. You'll also find longer lengths than what's offered by conventional building products.

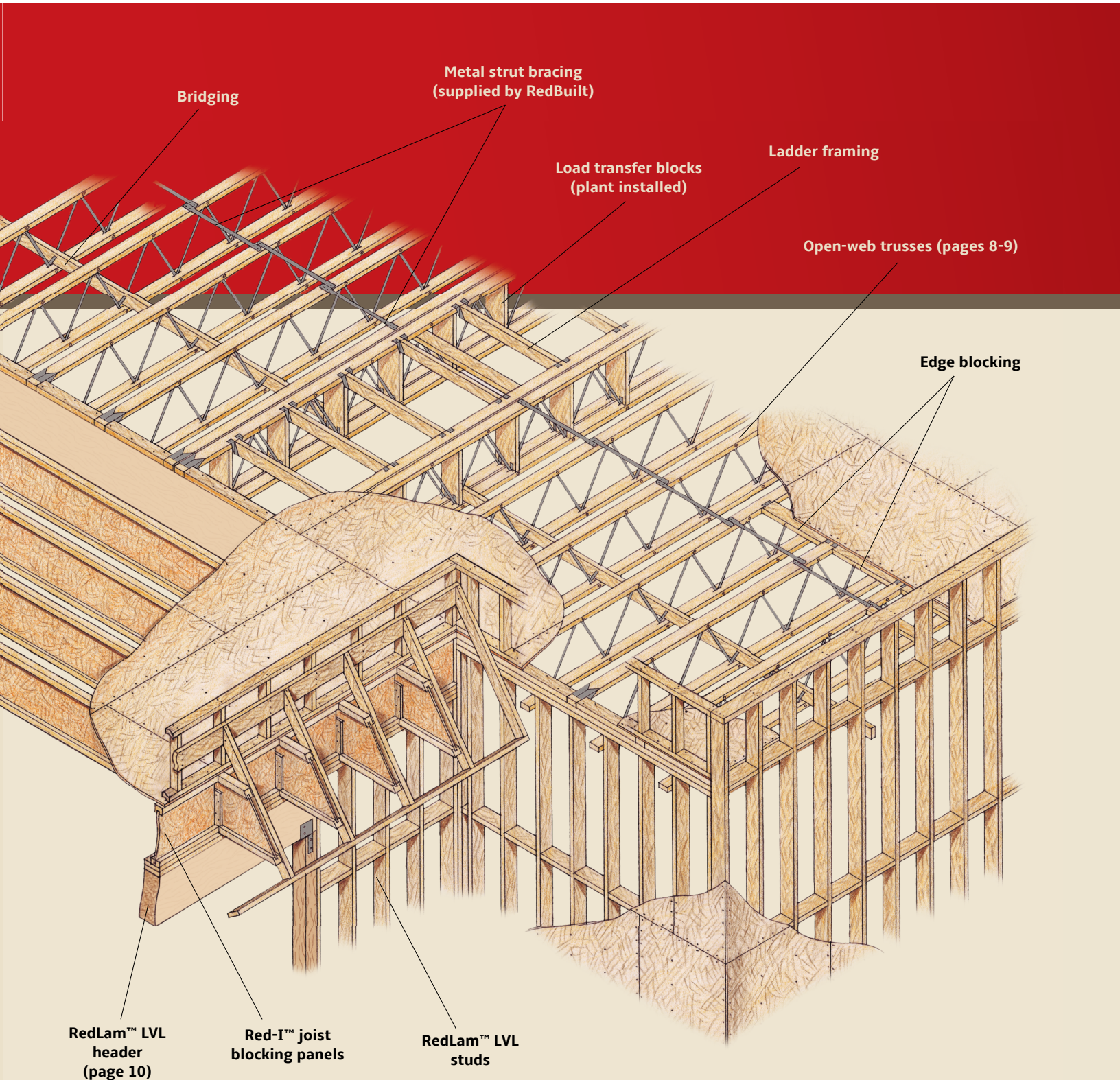
- Adapts to a variety of commercial and custom residential buildings.
- Eliminates guesswork with standardized products and installation procedures.
- Includes pre-engineering consultative services.
- Features integrated, high-performance materials.

## RESOURCE EFFICIENCY

Consider all of the positive attributes of wood when selecting your building material of choice. In addition to its structural properties, high strength-to-weight ratio, and ease of construction, wood is a naturally occurring, renewable resource that requires less energy to produce than steel or concrete. And it sequesters carbon—whether on the stump or in your structure.

Our RedLam™ LVL, Red-I™ joists and open-web trusses are made from responsibly sourced fiber. Whether you're looking for LEED® certification or simply because you want to ensure efficient use of raw materials, we can help. By making better use of every tree, RedBuilt produces cost-effective, consistently available engineered wood products that reduce environmental impact. The result is a quality wood product that offers superior strength and reliable performance.





# RED-I™ JOISTS



- Long lengths
- Available depths from 9½" to 32"
- Strong and stiff
- Lightweight
- Consistent quality
- Consistent performance

Architects, engineers, developers and builders are constantly looking for technical innovations that enhance design and structural integrity while conquering construction challenges.

Red-I™ joists meet those challenges on all counts. They offer practical and economical solutions for virtually every structure while increasing design confidence and building quality.

## A SIZE FOR EVERY APPLICATION

Ever since our founders invented the first all-wood I-joist in 1969, we have continuously pursued research and development to broaden and improve our product line. RedBuilt now has the most complete line of engineered wood products in the industry. The Red-I™ joist series has grown to include a wide range

of sizes and depths in lengths up to 80 feet. Red-I™ joists are manufactured using high-quality, engineered wood — including RedLam™ LVL flanges.

In addition to the standard parallel-flange configuration, some series are available with tapered profiles for added design flexibility. Camber is also available in some series upon request.

## HIGHER PERFORMANCE

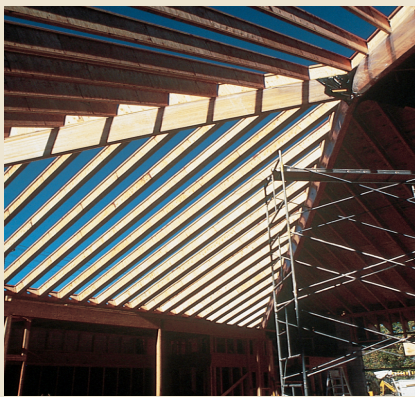
- Uniform and predictable strength.
- Able to carry heavy loads over long spans while using wood economically.
- Manufactured and direct shipped to ensure Red-I™ joists resist twisting, bowing, cupping and shrinking.

## SIGNIFICANT LABOR-SAVINGS

Red-I™ joists also bring labor- and time-saving benefits to your jobsite:

- Light weights provide easy handling and quick installation.
- Trimmable on the jobsite, no special tools are required.
- Web holes for ductwork can be cut on site at specified locations or can be pre-cut at the factory.
- Pre-punched knockouts for wiring are standard.
- RedLam™ LVL flanges are easily nailed, unlike some alternative materials.

Red-I™ joists are available in a variety of depths at lengths up to 80 feet, with tapered profiles in select series.



Long lengths turn dramatic spans and stunning designs into reality, as shown in this church roof under construction.



Clean, straight roof lines are the standard with Red-I™ joists, as demonstrated in this school building in California.

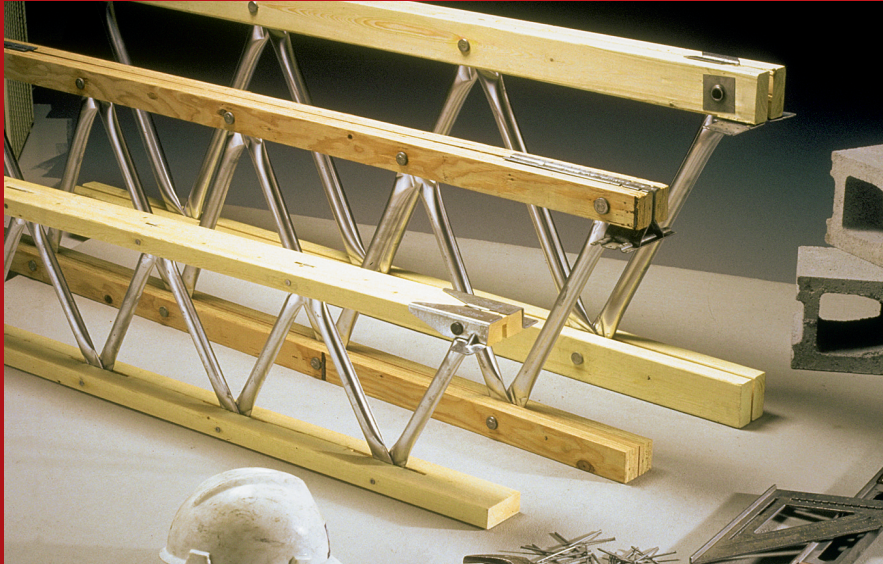


Red-I™ joists offer the workability of wood for fast, easy installation using traditional framing tools.



Red-I™ joists provide for longer spans, opening up floor space for more efficient use.

# OPEN-WEB TRUSSES



- Ultimate design flexibility
- Outstanding strength-to-weight ratio
- Custom manufactured
- Easy installation
- Span long distances economically

Our founders invented the composite wood-and-steel open-web truss in 1960. Since its introduction, the open-web truss has become one of the most widely used engineered wood products in commercial and custom residential construction. RedBuilt™ open-web trusses are lightweight and easy to install, plus they have nailable chords that make attaching roof decking and ceiling materials a breeze.

## LIGHT, LONG AND STRONG

Pound for pound, RedBuilt™ open-web trusses are among the strongest structural members produced. RedBuilt's™ open-web trusses are subject to stringent quality control to ensure that each and every truss is the absolute best product on the market. They are the solution of choice for special projects with exceptionally long spans, as well as for typical, light-commercial applications.

Every RedBuilt™ open-web truss is custom manufactured to the precise specifications of the individual job in order to efficiently carry the load for which it was designed. The added versatility of numerous truss configurations creates opportunities

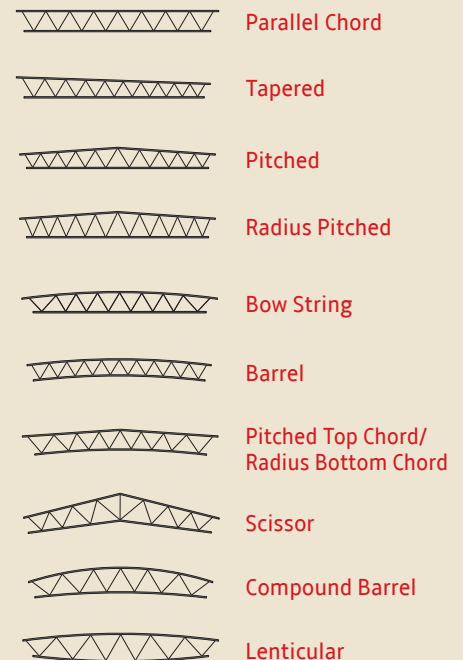
for new and innovative designs in commercial construction, allowing architects to combine pleasing aesthetics with economical designs.

## INNOVATIVE DESIGNS

RedBuilt manufactures an entire series of open-web trusses to meet commercial construction needs. The chords are made of either RedLam™ LVL, top-quality MSR lumber or LSL. The webs are pin-connected steel tubing. Our open-web product line consists of:

- **Red-L™ trusses**, lightweight and efficient.
- **Red-W™ trusses**, a slightly heavier-duty truss for mid-range spans.
- **Red-S™ trusses** offer strength, efficiency and economy for large, open areas like those found in schools, offices and warehouses.
- **Red-M™ and Red-H™ trusses** easily accommodate heavy loads and long spans, and are ideal for offices, warehouses, auditoriums, shopping centers and schools.

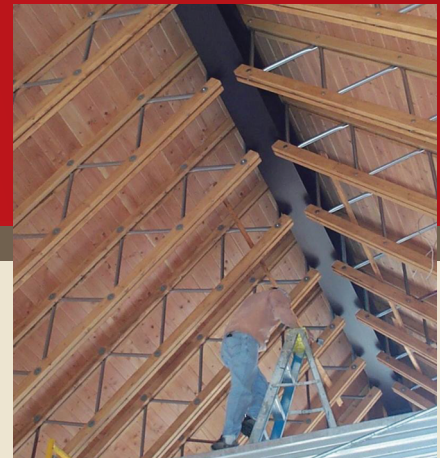
## OPEN-WEB TRUSS PROFILES



*Provided they are properly handled, stored and installed, all of our trusses are covered under our Limited Lifetime Product Warranty.*



Open-web trusses allow for greater architectural flexibility, such as the curved roof of this quick-service restaurant in California.



Red-H™ trusses—60 feet long and up to 6 feet deep—form the structural backbone of this 12-acre reservoir cover, which was specially engineered to withstand both vertical and horizontal loads.

Red-H™ trusses are designed to accommodate heavy loads and long spans, and are ideal for areas where challenging weather conditions may be a factor.

## LONG-SPAN APPLICATIONS

Long-span RedBuilt™ open-web trusses provide all the benefits of open-web trusses, plus offer clear spans greater than 70 feet.

Construction Advantage: Long-span open-web trusses provide tremendous advantages in light-commercial construction:

- **A proven installation procedure**— Trusses are lifted in rigid modules with the sheathing permanently attached. No special installation crews are needed so labor costs are much lower than when steel workers are required.
- **Perfect for wide-open spaces**— Long-span open-web trusses are ideal for uncluttered, open spaces without intermediate bearing walls, columns, or obstructions like gymnasiums, auditoriums, shopping centers and warehouses.
- **Easier to remodel**— Even if the space is divided into smaller areas, using long-span open-web trusses makes it easier and less expensive to remodel, install equipment and use every square foot efficiently.



Long-span trusses are an excellent solution where uninterrupted space is necessary, such as in this church's multi-purpose building.

# REDLAM™ LAMINATED VENEER LUMBER



- Engineered to project specifications
- Consistent strength
- Consistent quality
- Finished lengths up to 80 feet

RedLam™ LVL can be used as main carrying beams, flush beams, headers and wall framing. The RedLam™ manufacturing process removes and disperses the natural defects inherent in wood and produces a product that is strong, dimensionally stable and very reliable.

## STRONGER THAN NATURE

Our production process creates wood members with structural qualities equal to or greater than equivalent sizes of dimensional lumber.

## REDLAM™ BEAMS AND HEADERS

RedLam™ LVL beams work well in applications all over the structure. They can easily be built up on site to help reduce the heavy lifting associated with beams. No matter where they're used, they install quickly with little or no waste. RedLam™ LVL is very stable and resists warping, splitting and shrinking.

## REDLAM™ LVL AVAILABLE SIZES

Available Thickness	Depth												
	3½"	5½"	7¼"	9¼"	9½"	11¼"	11⅞"	14"	16"	18"	20"	22"	24"
1½"	x	x	x	x	x	x	x	x	x				
1¾"	x	x	x	x	x	x	x	x	x	x			
2½"	x	x	x	x		x							
3½"	x	x	x	x	x	x	x	x	x	x	x	x	x
5¼" <sup>(1)</sup>		x	x		x		x	x	x	x	x	x	x
7" <sup>(1)</sup>			x		x		x	x	x	x	x	x	x

(1) Beams built up using multiple plies of standard thickness RedLam™ LVL. For additional information regarding connection of plies and side load capacity, contact your RedBuilt technical representative.



RedLam™ LVL provides support in applications throughout a structure.

# REDBUILT EXTENDED SERVICES



Factory-attached web stiffeners.



## EXTENDED SERVICES AND ACCESSORIES

- Pre-cut web stiffeners with the option for factory installation
- Pre-assembled double I-joists with filler and open-web trusses
- Outriggers pre-assembled
- Custom cutting for Red-I™ joists
  - Precision End Trimmed (PET)
  - Beveled (one or two ends)
- Factory-beveled bearing plates
- Factory-cut holes in I-joists
- Pre-attached end blocks
- Plywood edge block assembled
- Include third party products for a complete project package
  - GLB
  - Simpson Strong-Tie®
  - Other



Pre-cut web stiffeners can be installed on Red-I™ joists at the factory.



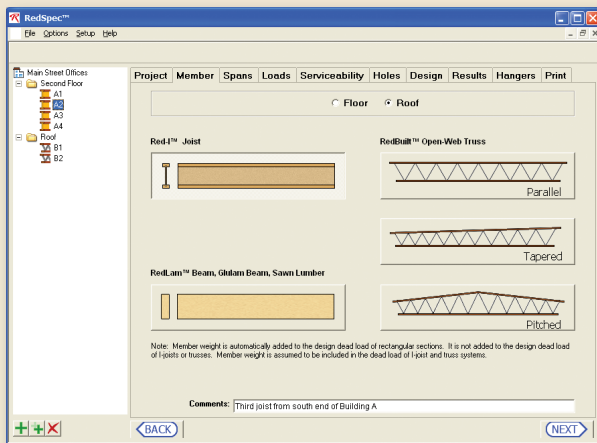
RedBuilt's extended services offer the ability to supply a complete project package, including third party products when necessary.



Open-web trusses can be delivered with outriggers pre-assembled, such as in this LEED®-certified professional building.

# REDSPEC™ PRODUCT SIZING SOFTWARE

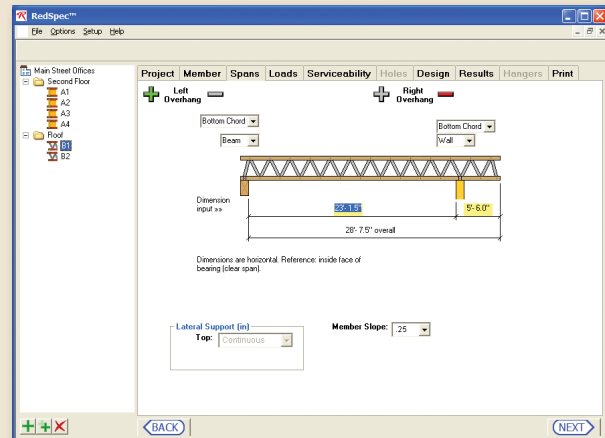
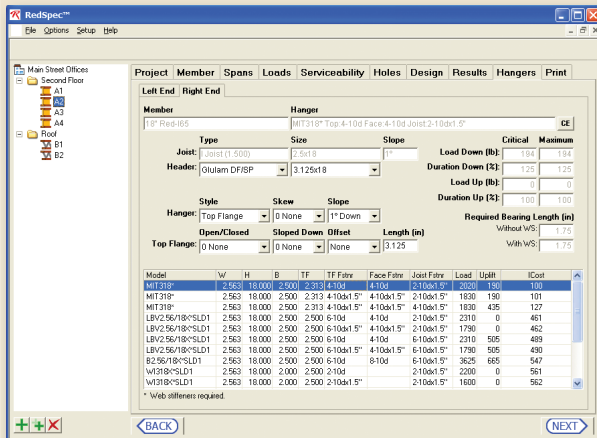
Specifying made simple with RedSpec™ single-member sizing software from RedBUILT.



RedSpec™ is a convenient, user-friendly design program that lets engineers and architects quickly and efficiently create floor and roof design specifications using Red-I™ joists, RedBUILT™ open-web trusses, RedLam™ LVL, glulam beams and dimensional lumber for a variety of commercial and multi-family construction applications.

It also includes the most complete and current selection tool by integrating the latest Simpson Strong-Tie® database with the RedBUILT™ product design. It even considers slopes, skews and optional nailing for uplift.

RedSpec™ was developed and is supported by a team of industry veterans with decades of experience.

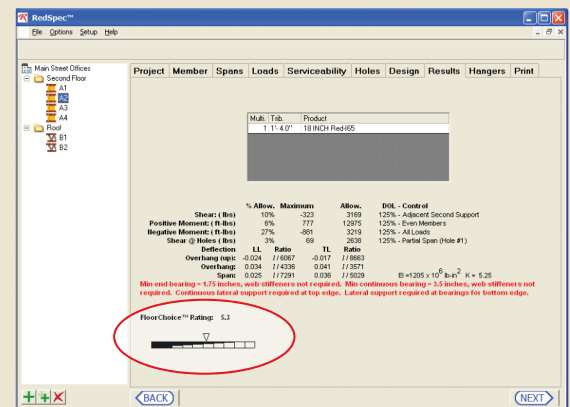


# FLOORCHOICE™ FLOOR RATING SYSTEM

Floors have feelings too. FloorChoice™ helps you understand them.



The FloorChoice™ rating system is the result of RedBuilt's vast industry knowledge combined with leading-edge research in advanced floor vibration mitigation procedures. This easy-to-understand numerical rating is available only through RedSpec™, and is the latest in the company's long history of innovations, spanning more than 50 years.



FloorChoice™ provides an easy-to-understand numerical rating system that can only be found in the RedSpec™ product sizing software.

## Floor Performance Expectations

0 1 2 3 4 5 6 7 8 9 10

Less demanding Typical More demanding

# REDFORM™ CONCRETE FORMING



- Uniform quality in long lengths
- Predictable performance
- Less waste on-site
- Resource-efficient
- RedForm™ LVL sizes up to 3½" x 24"
- RedForm™ I-joists up to 20" deep

Utilizing products that were pioneered by our founders, RedBuilt lifts the Industrial application to a whole new level of service. Backed by our manufacturing technologies and supported by industry-leading technical service and sales support for contractors and engineers, RedBuilt can help you increase productivity, lower costs and work safer.

## EFFICIENT FORMING PRODUCTS

The characteristics of RedForm™ LVL and RedForm™ I-joists make it ideal for working in concrete forming applications. With many of the natural inconsistencies found in wood like knots, splits and wane removed during the manufacturing process, reliable engineered LVL forms stand up to multiple reuses. You'll find all the reliable, innovative products that you've been using, and you'll work with a single-source, service-oriented supplier.



There is no substitute for efficiency. RedForm™ products are efficient to manufacture and cost effective to install.

# REDPLANK™ LVL SCAFFOLD PLANK

There is no substitute for performance. RedBuilt™ Industrial products stand up to the most demanding applications.



## RELIABLE SCAFFOLD PLANKS

Scaffold companies need planks they can rely on; planks that have minimal twist and bow after every type of stress—including rain, snow, heat, cold, heavy loads and wear from numerous assembly and dismantle cycles. RedPlank™ LVL is the solution: It's manufactured to be safe and reliable with predictable performance.

- **Safe**—proof-load tested at our plants to ensure compliance with RedBuilt quality standards and OSHA deflection limits.
- **Reliable**—made from multiple layers of thin veneer to minimize the natural inconsistencies in wood, like knots.
- **Predictable**—manufactured to provide consistency you can feel.

## BUILD SAFELY

At RedBuilt, we are committed to working safely and want to remind you to do the same. We encourage you to follow the recommendations of OSHA ([www.osha.gov](http://www.osha.gov)) in the U.S. or provincial regulations ([www.canoshweb.org](http://www.canoshweb.org)) in Canada regarding:

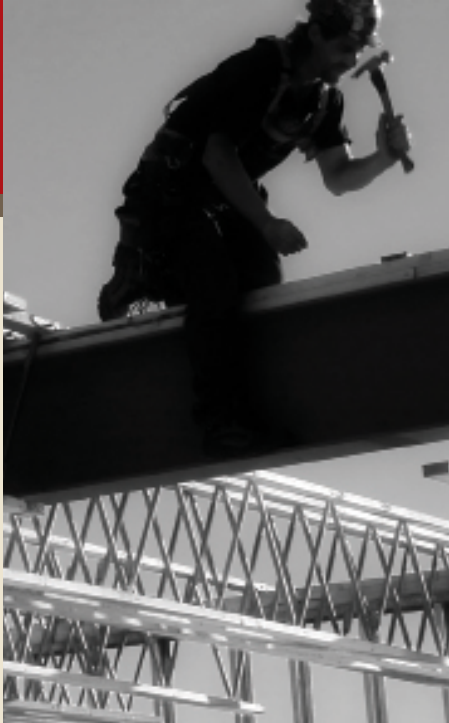
- Personal protective equipment (PPE) for hands, feet, head and eyes
- Fall protection
- Product performance specifications



There is no substitute for availability. RedPlank™ LVL is inventoried and available in 9', 12' and 16' lengths.

*Please adhere to all applicable RedBuilt product installation details.*

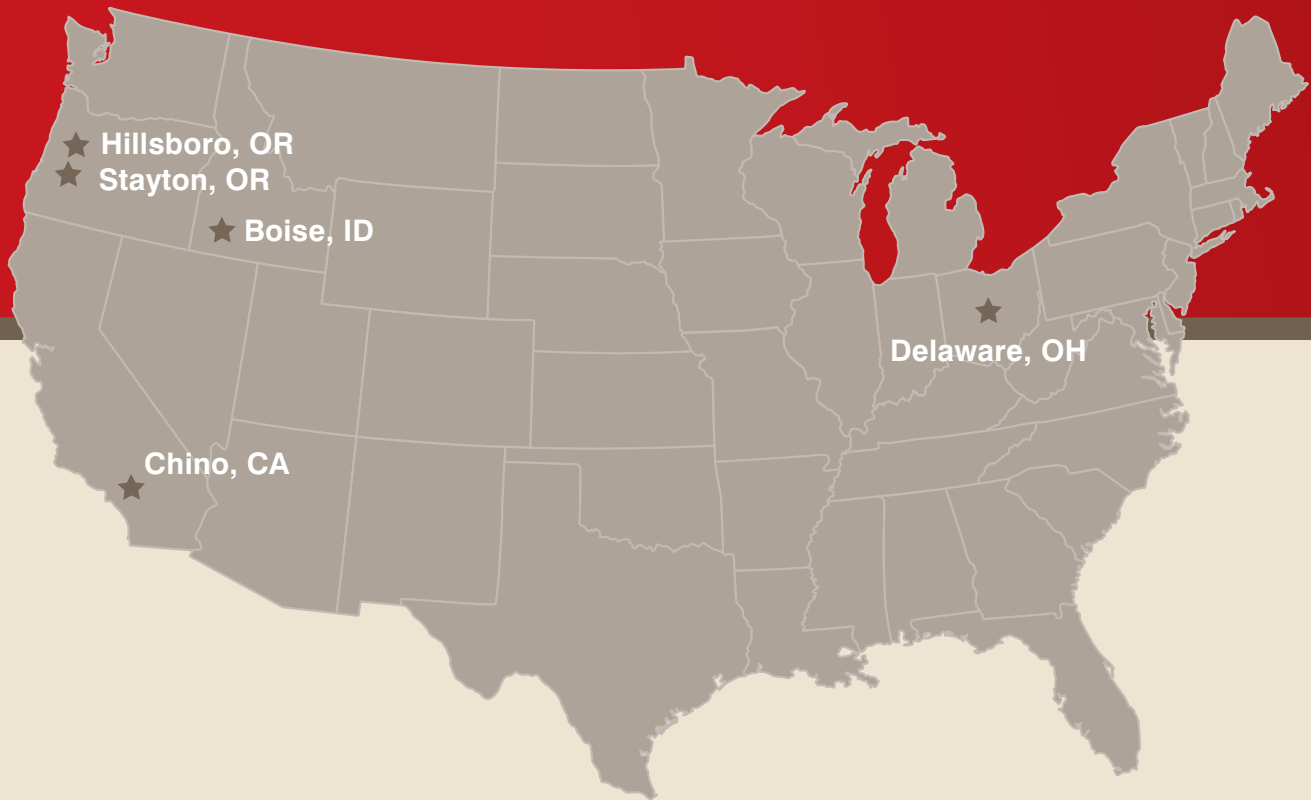
# ABOUT REDBUILT



The RedBuilt name is a tip of the hard hat to Harold “Red” Thomas. In 1958, his keen business sense crossed paths with the creative genius of inventor Art Troutner. When Art showed Red his latest creation, the open web truss, Red recognized its potential immediately. With little more than \$8,000, some machinery and an old barn, the two founded a company and revolutionized the commercial building products industry.

In August 2009, Atlas Holdings ([www.atlasholdings.com](http://www.atlasholdings.com))—a private capital firm working with a group of senior leaders and experienced managers—purchased the commercial division of the company founded by Red and Art.

Today, as RedBuilt, the company operates four manufacturing plants, plus multiple design centers with sales offices strategically located throughout the United States—including our headquarters in Boise, Idaho.



## COMPANY FACILITIES

### HILLSBORO, OR

Open-web manufacturing, accessory fabrication, design center

550 SW Bailey Ave.  
Hillsboro, OR 97123

Phone: 503-648-6641  
Fax: 503-640-2322

### CHINO, CA

Open-web manufacturing, I-joint cut-up, accessory fabrication, design center

5088 Edison Ave.  
Chino, CA 91710

Phone: 909-465-1215  
Fax: 909-627-3627

### STAYTON, OR

I-joint manufacturing and cut-up, LVL manufacturing, accessory fabrication

2345 W Deschutes Dr.  
Stayton, OR 97383

Phone: 503-769-7676  
Fax: 503-769-3824

### BOISE, ID

Corporate headquarters, design center

200 E Mallard Dr.  
Boise, ID 83706

Phone: 208-364-1316  
Fax: 208-364-1300

### DELAWARE, OH

Open-web manufacturing, I-joint cut-up, accessory fabrication, design cCenter

200 Colomet Dr.  
Delaware, OH 43015

Phone: 740-363-1317  
Fax: 740-369-1154

Go to [redbuilt.com](http://redbuilt.com) to find the name and contact information for your local RedBUILT Technical Sales Representative.







## SERVICE AND SUPPORT YOU CAN COUNT ON.

RedBuilt is committed to creating superior structural solutions. How? By offering efficient structural building products supported by the broadest range of services available:

- RedBuilt representatives and experienced technical staff are located throughout the United States to help with technical information, questions or regulatory compliance.
- At RedBuilt, our goal is to help you build safe and solid structures by providing high-quality products and unparalleled technical and field support.



### CONTACT US

**1.866.859.6757**

**redbuilt.com**

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