



TOTAL SUPPORT

- TJI® Joists
- Open-Web Trusses and Long-Span Applications
- Parallam® PSL Commercial Beams
- TimberStrand® LSL Commercial Studs

#COM-1001 COMMERCIAL TOTAL SUPPORT

iLEVEL BUILDING SOLUTIONS

- 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

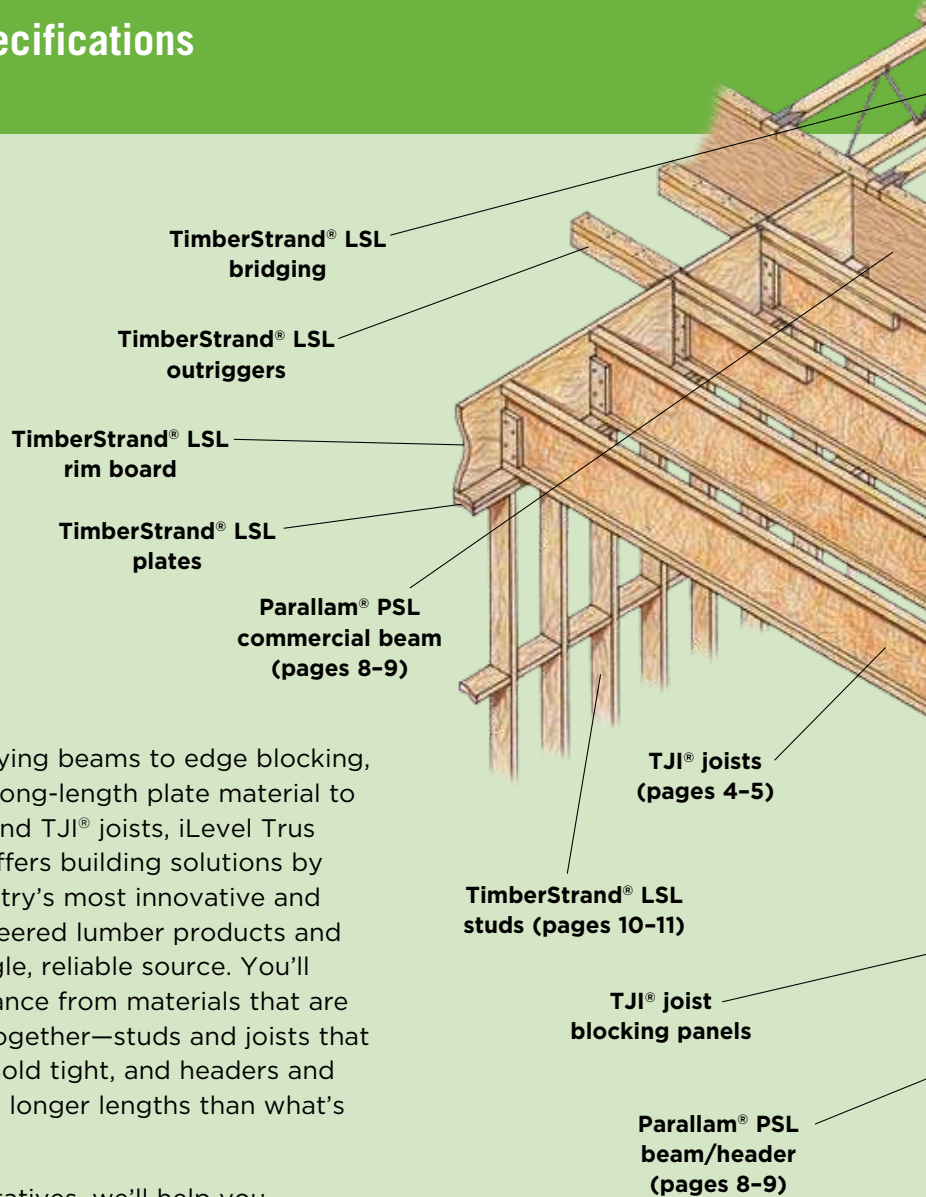
Building Solutions for Commercial Construction

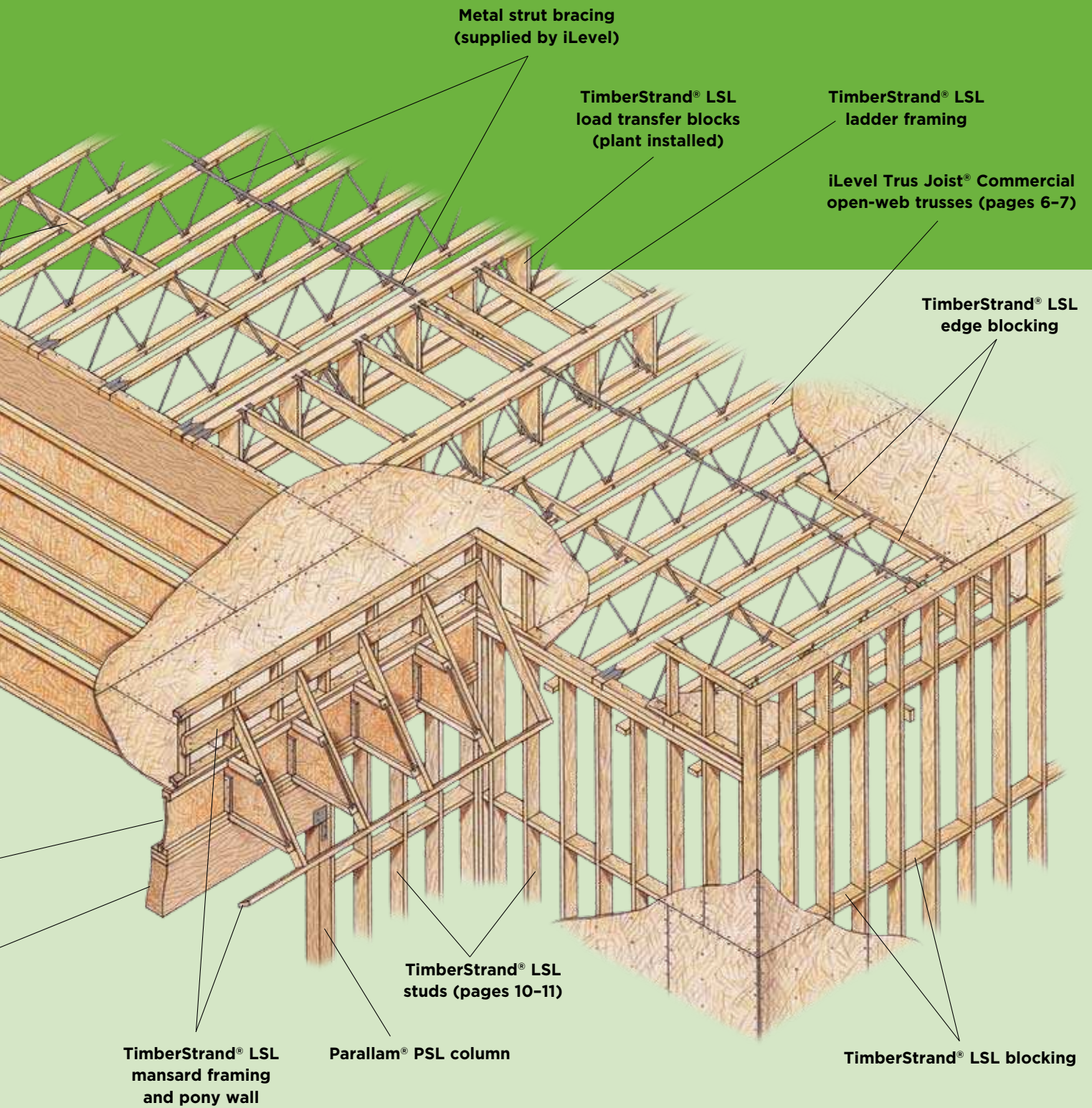


From the main carrying beams to edge blocking, from tall walls and long-length plate material to open-web trusses and TJI® joists, iLevel Trus Joist Commercial offers building solutions by delivering the industry's most innovative and leading-edge engineered lumber products and systems from a single, reliable source. You'll get better performance from materials that are designed to work together—studs and joists that

stay straight, fasteners and connectors that hold tight, and headers and beams that deliver higher load capacity; plus, longer lengths than what's offered by conventional building products.

With our national network of iLevel representatives, we'll help you incorporate the strength and efficiency of our engineered lumber products into your next commercial building. iLevel Trus Joist Commercial's patented manufacturing technologies combined with world-class service and technical support adds up to Total Support for you and your commercial projects.





TJI® JOISTS



- Long Lengths
- Strong and Stiff
- Lightweight
- Consistent Quality

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

TJI® joists meet those challenges on all counts. They offer practical and economical solutions for virtually every structure, while increasing design confidence and building quality.



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

A COMPLETE PRODUCT OFFERING

Ever since Trus Joist invented the first all-wood I-joist in 1969, we have continuously pursued research and development to broaden and improve our product line. iLevel Trus Joist® Commercial now has the most complete line of engineered wood products in the industry. The TJI® joist series has grown to include a wide range of sizes and depths in lengths up to 80 feet. TJI® joists are manufactured using high-quality, engineered lumber—including Microllam® LVL flanges and iLevel's proprietary Performance Plus® OSB web.

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.

PERFORMANCE BENEFITS

- Uniform and predictable strength.
- Able to carry heavy loads over long spans while using wood economically.
- Manufactured to approximate equilibrium moisture content, so TJI® joists resist twisting, bowing, and shrinking.

LABOR SAVINGS

TJI® joists also bring labor- and time-saving benefits to your job site:

- Light weight speeds installation.
- Trimmable on the job site—no special tools are required.
- Holes for ductwork can be cut at specified locations in the web.
- Pre-punched knockouts for wiring are standard.
- Microllam® LVL flanges are easily nailed, unlike some alternative materials.

Clean, straight roof lines are the standard with TJI® joists, as demonstrated by these sloped roof joists descending to a Microllam® LVL valley beam.



TJI® joists offer the workability of wood for fast, easy nailing using traditional framing tools.



TJI® joists work exceedingly well in cantilevered applications.

OPEN-WEB TRUSSES



- **Ultimate Design Flexibility**
- **Outstanding Strength-to-Weight Ratio**
- **Custom Manufactured**
- **Easy Installation**
- **Span Long Distances Economically**

Trus Joist invented the composite steel and wood open-web truss over forty years ago. Since its introduction in 1960, the open-web truss has become one of the most widely used engineered lumber building products in commercial construction. Open-web trusses are lightweight, easy to install, and have nailable chords for easy attachment of roof decking and ceiling materials.

ENGINEERED BENEFITS

Pound for pound, iLevel Trus Joist® Commercial open-web trusses are among the strongest structural members produced. Trus Joist's open-web trusses are subject to stringent quality control tests 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 open-web truss is custom manufactured to the precise specifications of the individual job in order to 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 TRUSSES

iLevel Trus Joist® Commercial manufactures an entire series of open-web trusses to meet commercial construction needs. The chords are made of either Microllam® LVL, TimberStrand® LSL, or top-quality MSR 2X6 or 2X4 lumber, and the webs are pin-connected steel tubing. Our open-web product line consists of:

- **TJL™ and TJLX™ trusses** are lightweight and efficient.
- **TJW™ truss** is a slightly heavier-duty truss for mid-range spans.
- **TJS™ truss** offers strength, efficiency, and economy for large, open areas such as those found in schools, offices, and warehouses.
- **TJM™ and TJH™ trusses** can easily accommodate heavy loads and long spans—ideal for offices, warehouses, auditoriums, shopping centers, and schools.
- **TJL-T™ and TJW-T™ trusses** combine the easy installation and outstanding strength-to-weight ratio of open-web trusses with the exceptional resistance to splitting of TimberStrand® LSL top chords.

LONG-SPAN APPLICATIONS

Long-span 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—such as 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.



Open-web trusses combine the strength of steel with the workability of wood—the 3 ½"-wide chords on these TJL™ trusses make nailing easy.



This school cafe uses open-web trusses to easily and efficiently create large open areas.

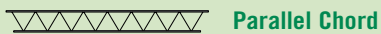


TJH™ trusses—60 feet long and up to 6 feet deep—form the structural backbone of this 12-acre reservoir cover, which was specially engineered to withstand both vertical and horizontal loads.

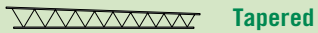


The open-web structure of these trusses allows easy placement of plumbing and ductwork, as shown in this retail shopping mall.

OPEN-WEB TRUSS PROFILES



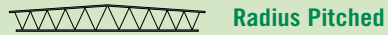
Parallel Chord



Tapered



Pitched



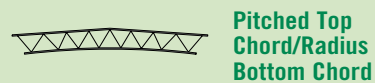
Radius Pitched



Bow String



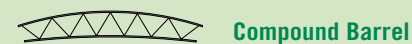
Barrel



Pitched Top Chord/Radius Bottom Chord



Scissor



Compound Barrel



Lenticular



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

PARALLAM® PSL



- Engineered to Project Specifications
- Consistent Strength and Quality
- Spans up to 66 Feet

The Parallam® parallel strand lumber (PSL) in our beams, headers, columns and posts, is predictably strong, stiff, and consistent. This high-strength engineered lumber delivers superior quality and is manufactured to uniform dimensions and strength and a consistent moisture content. As a result, Parallam® PSL structural components resist the tendency to twist or bow.

When it comes to headers, beams, columns, and posts, the outstanding strength of Parallam® PSL makes it the choice of builders, often allowing them to use a smaller beam. Commercial builders benefit from the ease of working with Parallam® PSL, its cost-effectiveness, and the ability to use it as a design and structural element.

The progressive, resource-efficient process of manufacturing Parallam® PSL enables iLevel to maximize the use of a renewable resource while helping meet the demand for quality wood-building products.

The Parallam® PSL beam is designed to be the backbone of an integrated structural system that delivers exceptional value when combined with other iLevel Trus Joist® Commercial products.

In addition, Parallam® PSL engineered lumber is backed by one of the industry's largest and most experienced network of engineering support and field service representatives.

SPECIFICATIONS

Parallam® PSL beams are available in a variety of standard sizes and can also be custom manufactured to your project specifications. As a wood product, Parallam® PSL beams are workable in the field; they can be easily cut and modified for a variety of connections using traditional fabrication practices.

Parallam® PSL can be installed in either simple span, continuous span, or cantilevered systems. Beams greater than 26" deep can also be cambered.

DELIVERY

Parallam® PSL beams are manufactured with an industrial-grade appearance. Beams are precut to exact dimensions so they fit perfectly at the job site.

Every Parallam® PSL beam is wrapped to protect it from weather and other surface damage prior to installation.

DIMENSIONS

Parallam® PSL beams are available from your dealer in the following sizes:

Stocked widths: 3½", 5¼", and 7"

Stocked depths: 9½", 11⅞", 14", 16", and 18"

Custom commercial beams can be ordered in the following standard sizes:

Standard widths: 3½", 5¼", and 7"

Standard Depths (in 2" increments):

3½" width: 20" through 28"

5¼" width: 20" through 42"

7" width: 20" through 54"

Other custom widths and depths available for special applications.

Parallam® PSL beams
are easy to handle,
easy to install.



Parallam® PSL beams form the backbone of a TJL™ open-web truss roof structure.



Parallam® PSL columns and beams combine to form an exceptionally strong and rigid framework.



Conventional column and beam hardware can be used with Parallam® PSL beams.

TIMBERSTRAND® LSL COMMERCIAL STUDS



- Uniform Quality in Long Lengths, up to 48 Feet
- Predictable Performance
- Less Waste On-Site
- Resource-Efficient
- Stud Sizes from 2x4 to 2x14
- Beams up to 3½" x 16"

TimberStrand® laminated strand lumber (LSL) is iLevel's most versatile and resource-efficient engineered lumber yet. Our TimberStrand® LSL commercial studs and plates provide long-length framing material wherever straight, flat walls are required. Every piece of TimberStrand® LSL engineered lumber is straight and strong and will resist bowing, twisting, and shrinking. The material goes in straight and stays that way.

TECHNOLOGY DRIVEN

The innovative and proprietary manufacturing process for TimberStrand® LSL is driven by technology, not trees. In fact, the product is made from small-diameter aspen and yellow poplar timber instead of larger, more traditional lumber resources like fir and pine. These trees—some measuring just 8" across—are processed into thin strands that are coated with a resin and aligned with each other. Our revolutionary steam-injection process laminates the strands into a massive, solid billet of wood up to 64 feet long and 8 feet wide, which is then sanded and cut to specifications. The result is uniform and consistent engineered lumber that delivers predictable performance.

UNIQUE BENEFITS

The technology behind TimberStrand® LSL produces a building material unlike any other, offering benefits unparalleled by other structural products:

- Resists shrinking, twisting, and splitting.
- Available in long lengths—up to 48 feet.
- Lightweight wood walls minimize expensive wall-to-roof seismic connections.
- Equivalent fire resistance rating to sawn lumber allows for standard wood fire assemblies.
- Thermal resistance of wood provides excellent insulation properties.
- Precision end cuts and cut-to-length blocking are available.



Large wall panels of TimberStrand® LSL can be laid out and sheathed on the ground, speeding installation and helping to ensure safety.



Once framed, entire TimberStrand® LSL walls can be lifted into place.



With the workability of wood, TimberStrand® LSL wall systems can be quickly and easily braced after installation.

SERVICE AND SUPPORT YOU CAN COUNT ON

iLevel is committed to building better design solutions. How? By offering efficient structural building products supported by the broadest range of services available:

- iLevel representatives and experienced engineering staff are located throughout the United States to help with technical information, installation questions, or code compliance.
- At iLevel Trus Joist® Commercial, our goal is to help you build solid and durable structures by providing high-quality commercial building products and unparalleled technical and field support. A limited warranty for our products is in effect for the expected life of your structure.

Our team of iLevel representatives—one of the industry's largest—isn't afraid to get its hands dirty. If you call us with a problem that you believe may be caused by our products, our representative will contact you within one business day to evaluate the problem and help solve it—**GUARANTEED**.



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REPRESENTATIVE INFORMATION

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