THE BENEFITS OF A LESTER BUILDING ARE BUILT INTO EVERY DETAIL

Total Building Design Superiority

Lester provides superior structural integrity by engineering and sourcing a complete building system. We meet or exceed your local building wind and snow code requirements. All roof purlins, bracing, columns, wall girts, sheathing and even fasteners are engineered as a complete package to ensure maximum strength and durability. Lester Buildings are backed by a Lifetime Structural Design Warranty.

Avoid the anxiety of having multiple-component suppliers concerned only with their parts of the building. Trust Lester as your **one-source building system supplier.**

- Each Lester building is individually designed to meet you needs.
- Lester's industry leadership is supported by ongoing product development, quality control and testing programs.

Improv™, Lester's industry-leading design and pricing software program, separates the Lester building experience from all others. Improv is unique technology that gives your Lester builder the powerful ability to integrate design, pricing and drawings in a professional presentation wherever it's most convenient for you.

Improv can bring your building project to life, onscreen, before your very eyes! Featuring views such as 3D isometric, elevation and floor plan drawings, Improv lets you visualize your building "on the fly", before committing to an order. As the industry's leading design and pricing software, Improv forever marks the end of the old days of "designing buildings on a napkin" and waiting weeks for drawings and a firm price.

800-826-4439
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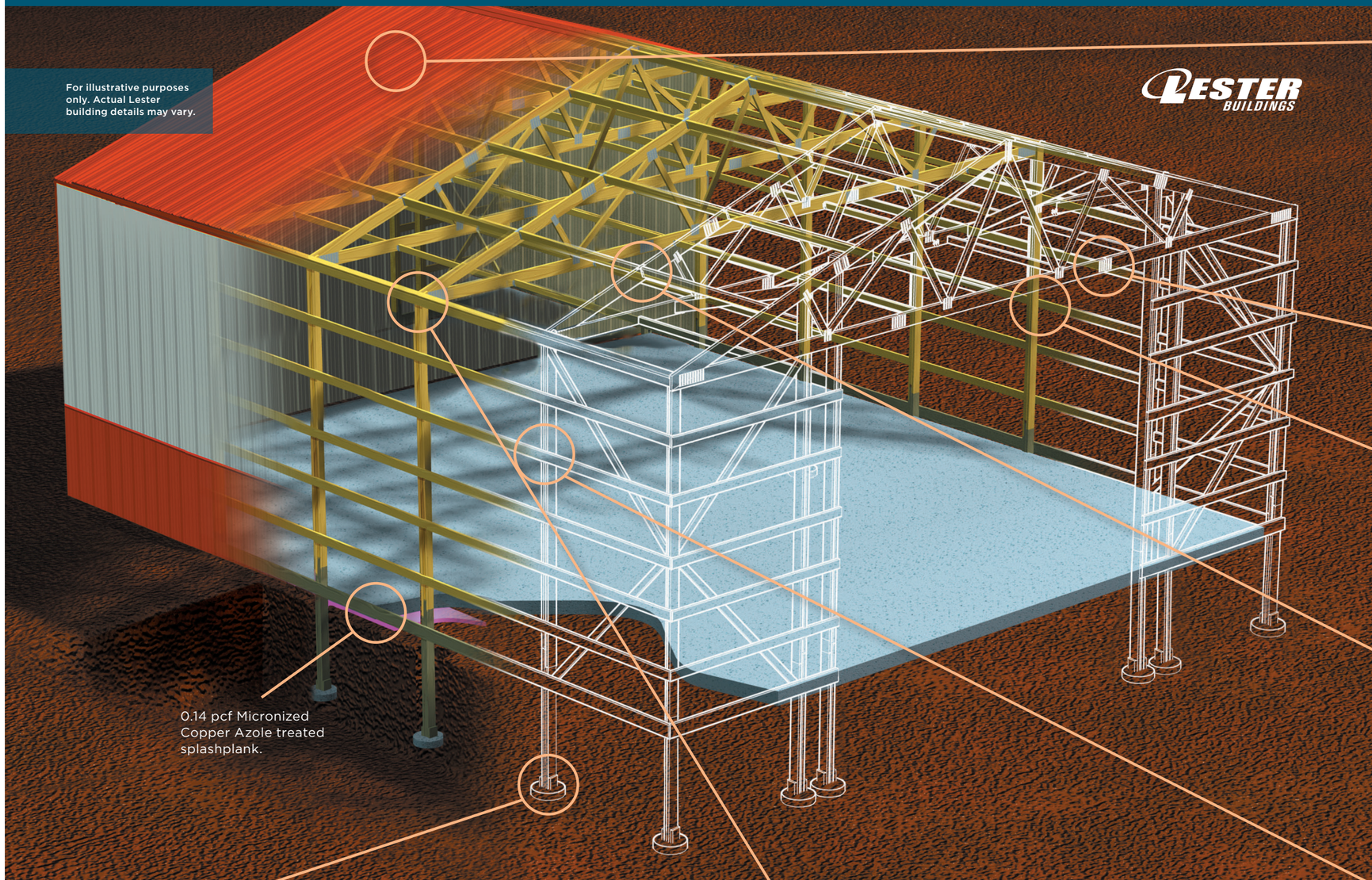
BUILDING DETAILS



The Strongest Steel Panels in the Industry

Lester has two exclusive steel panels: Uni-Rib™ and Eclipse®. They both feature a unique design combination of superior steel tensile strength (80,000 psi minimum), high performance corrugation pattern, and optimum thickness to create the strongest panels available today. A paint warranty up to 40 years protects the steel wall and roof systems.

Plus, high quality galvanized exterior screw fasteners provide more strength and corrosion resistance.

Engineered Trusses

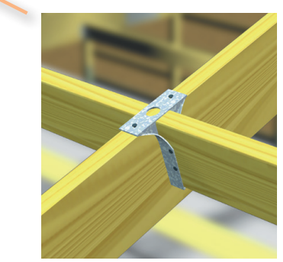
Trusses are manufactured using the highest lumber grades, as specified by Improv, to meet your building's special requirements.

Trusses can be designed/manufactured with variable top chord roof pitch, deep heel energy, and vaulted scissor bottom chord options as well.

Heavy-duty G-60 truss plates are used for added strength and corrosion protection.

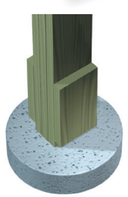
Strong Columns

Lester's multi-ply columns have a bending capacity up to 60% greater than solid 6″ x 6″ posts and allow for more uniform penetration of CCA wood preservative treatment. A 0.6 pcf CCA treatment is used on column material used below finished grade. Columns are made from #1 stress-rated Southern Yellow Pine/Douglas Fir – or better. The size of the lumber and number of plys are determined by the building design requirements. Factory-assembled, finger-jointed laminated columns feature a mechanically controlled nailing pattern assuring consistency; thus, overall structural integrity is improved especially if wood knots are present. Variable column spacing allows for complete design flexibility. Optimum use of longer-length lumber reduces the number of splices, adding strength.

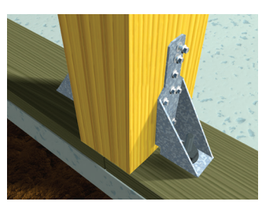


Flush Purlin Roof System

Steel purlin hangars and fasteners are engineered to each building's snow and wind load, providing a secure connection. Designed to saddle the top chord of the truss, the hangar eliminates purlin roll. Southern Yellow Pine/Douglas Fir provides better fastener holding strength. Flush design greatly reduces bird nesting, improves truss bracing and increases structural diaphragm strength.



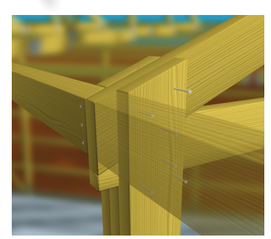
Embedded Column with Anchor Blocks



Above-ground Column

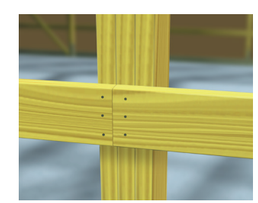
Flexible Foundation Systems

Lester offers the flexibility of setting columns in the ground (left) or on a concrete foundation (right). Embedded columns are anchored with footings to protect against potential settling and wind uplift. The factory-adhered anchor blocks provide proven, consistent uplift resistance.

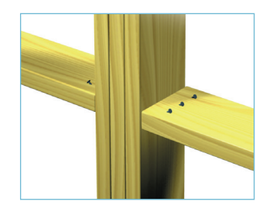


Interlocking Truss-to-Column Connection

The saddled truss connection has long been the centerpiece of Lester's wall systems. Unique in the industry, this beefy connection allows for secure fastening from both sides of the column, effectively more than doubling the strength of the connection. This design also allows for a more efficient load transfer from roof to wall, to footing, enabling long-term enhanced strength performance.



Continuous Girt System



Flush Frame System

Interlocking Wall Systems

Lester Buildings have always featured time-tested interlocking framing systems that are second to none in structural integrity. Custom to every situation, Improv® suggests the most cost-effective framing system for your particular need. Improv might specify a continuous girt system (left) or flush-frame system (right) — typically used for insulated and lined shop buildings.