

UNI-RIB™ STEEL PANEL

The Uni-Rib™ steel panel is an important component of your building. The steel panel provides both structural strength and beauty to your building.



Build a Dream Building That Stands the Test of Time!

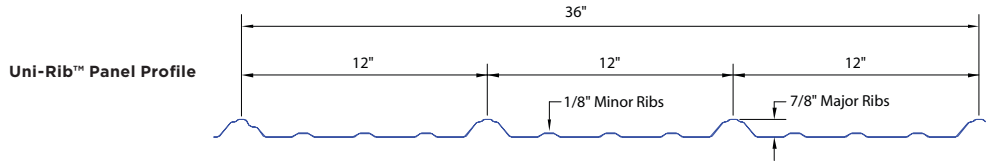
WHAT MAKES STEEL STRONG AND DURABLE?

Three components contribute to the strength of steel

- 1. Thickness (Gauge)** – the lower the gauge the thicker the steel.
- 2. Tensile Yield Strength** (PSI – pounds per square inch) – each grade of steel has tensile yield strength measuring the strength of the steel. The higher the PSI the stronger the panel.
- 3. Shape** – stronger panels have more minor ribs, taller major ribs, more and sharper bends in the ribs.

Substrate coatings and paint systems protect the steel; keeping it durable and looking great for years!

UNI-RIB™ THE BETTER CHOICE



Gauge

- Lester uses predominately 28 gauge steel.
- Most post-frame suppliers use 29 gauge steel.
- Some post-frame suppliers use 26 gauge commercial quality steel which is thicker, but has lower tensile strength.
- Lester also offers 26 gauge steel in the same tensile strength as our 28 gauge steel.

Tensile Yield Strength

- Uni-Rib™ is a grade 80 steel with a minimum tensile strength of 80,000 PSI, often running well above that minimum.
- Other building suppliers use a commercial quality steel with a maximum tensile strength of 64,000 PSI, and typically running much less.
- The Uni-Rib™ grade 80 steel panel is stronger than commercial quality and Grade 50 steel panels.

Shape

- Uni-Rib™ starts with a 42.000" wide coil giving you 2.75% more steel than most other steel panels, for the same 36" of coverage.
- This additional steel allows for more minor ribs, taller major ribs, and more and sharper bends in the ribs; giving you a stronger building.
- The major rib in the Uni-Rib™ panel is 7/8" high while the major rib in many other steel panels is 3/4" high.

PROTECTIVE COATINGS AND PAINT SYSTEMS

Lester Building Systems offer two protective substrate coating options. The substrate coating is used to inhibit rust and corrosion. It is applied to the steel before the steel is painted.

AZ50 Galvalume®

- Galvalume coatings use a mixture of aluminum and zinc to protect against rust and corrosion.
- Galvalume is projected to out-perform galvanized by up to nine times in non-livestock facilities with equivalent coating thickness.

G90 Galvanized

- Galvanized coatings use pure zinc to protect against rust and corrosion.
- Galvanized coatings are recommended for livestock facilities by all major steel producers.

PROTECTIVE COATINGS		AZ50 Galvalume®		G90 Galvanized*
PAINT SYSTEM		WeatherXL™ (SMP)	Fluropon® (PVDF)	WeatherXL™ (SMP)
THICKNESS	26 Gauge	X	X	
	28 Gauge	X		
	29 Gauge			X

Interior panels for lined/insulated structures available in 30 gauge G40 Galvanized, Polyester paint
 Visit LesterBuildings.com for complete technical specs

* Recommended for Livestock Facilities