

"WHY USE STRUCTURAL INSULATED PANELS?"



SIPs have undergone extensive structural testing which have proven them to be 2.5x stronger than traditional "stick-framing" methods



SIPs are continuous surfaces cut by computer-aided equipment, resulting in maximum consistency and straight, flat-finished walls



SIPs can save up to 40% construction time due to their prefabricated nature, simple installation, pre-drilled electrical chases and pre-framed openings



SIPs feature sound-dampening qualities, and experience superior temperature consistency and control



SIPs insulation is far superior to traditional stick-built methods, as proven by 58% greater R-Values, and 90% increased thermal retention



SIPs save customers approximately 55% on labor costs during construction, and 40-60% on utility costs each month for the life of the project




QUALITY GUARANTEE

Structural Panel Innovations stands by our products' excellence. We guarantee every panel we manufacture is built "to spec," or we will build a new one from scratch. At Structural Panel Innovations, our word means something, and we're committed to being a partner our customers can trust.

A NOTE FROM NATE

Our team takes pride in delivering excellence to our clients each day. We are easy to work with, we're sticklers for quality, and we stand by every panel we build. If you're considering using SIPs on a future project or have questions about building with them, we'd love to chat with you.

Working with customers and delivering incredible products is our passion. We hope to hear from you soon!

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BUILD IN A DAY,

THE BETTER WAY.

LET'S CONNECT!



Structural Panel Innovations



@structuralpanelinnovations



Structural Panel Innovations

Structural Panel Innovations is a Limited Liability Company (LLC)



DISCOVER A NEW WAY TO BUILD.

TECHNOLOGY HAS CHANGED THE WAY WE BUILD. TODAY, STRUCTURAL PANEL INNOVATIONS WOULD LIKE TO INTRODUCE YOU TO **50+ YEARS OF RESEARCH AND DEVELOPMENT** COME TO LIFE.

STRUCTURAL INSULATED PANELS UNITE **STRENGTH, EFFICIENCY, COMFORT AND SAVINGS**, AND ONCE YOU TRY THEM, **YOU'LL NEVER GO BACK.**

SIP FACT:

The average 2000SF SIP home can be erected in just ONE DAY!



we use strictly **AMERICAN MADE MATERIALS**

we offer **DESIGN SERVICES**

we include a **WARRANTY & STAND BY** every panel we build

SHIPPING SERVICE is always included

ABOUT US

Structural Panel Innovations (SPI) is a Structural Insulated Panel manufacturer based in Arma, Kansas. We've served customers throughout the Heartland for over 25 years and we take pride in creating some of the most innovative and efficient building systems in the region.

SPI is owned and operated by Nate and Mindy Stahl, a husband and wife team, who use their extensive construction industry experience to help their customers design and build projects they'll love for decades. The Stahls and the rest of the SPI team take pride in guiding commercial and residential customers through the building process in a simple, down-to-earth way.

Let Structural Panel Innovations show you how to

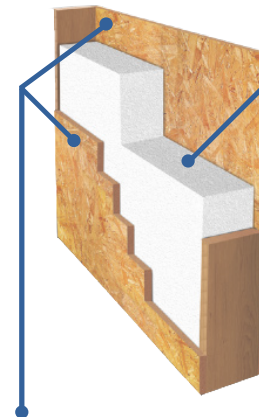
BUILD IN A DAY, THE BETTER WAY.

"SO, WHAT ARE SIPs?"

& other questions we get asked a lot.

Structural Insulated Panels (SIPs) are extremely strong building panels used in walls, roofs, and floors. The panels consist of a solid core of polystyrene foam insulation, sandwiched between two structural facings, typically oriented strand board. Custom-designed and manufactured under factory controlled conditions, SIPs can be built to fit nearly any project, in record time. Building with SIPs will save you time and money.

Traditionally, people frame structures with wood, then fill the cavities between the framing with fiberglass insulation. This method allows air, bugs, and other things you don't want, to penetrate your building's envelope. SIPs, on the other hand, are strong, solid panels that keep the good stuff in and the bad stuff out.



SIP-ENGINEERED ORIENTED STRAND BOARD

HIGH PERFORMANCE, SOLID PANEL INSULATION

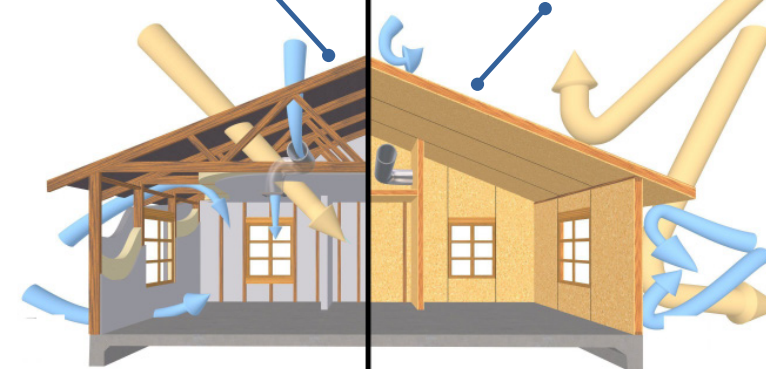
"HOW ENERGY EFFICIENT ARE SIPs?"

SIPs are extremely energy efficient, typically at least 50% more efficient than traditional methods. The most important factor in thermal efficiency is the continuity of insulation. SIPs provide a solid envelope of continuous insulation, without air leakage or thermal bridging. SIP roofs allow the building envelope and its insulating layer to be moved from the attic floor to the roofline, eliminating issues associated with traditional "hot box" attics.

When we design your project, our team will assess your region's climate, and determine how much insulation is needed to maximize overall energy efficiency.

Insufficiently insulated and sealed walls and roofs allow air to penetrate structures

SIPs create a sealed environment that keeps the elements out and conditioned air in



"Stick-Built"

"SIP-Built"

SIP FACT:

SIP owners typically experience a **40-60% savings on heating and cooling costs** for the life of the building!

"WHAT'S THE COST DIFFERENCE?"

Typically, a project's framing cost makes up approximately 15% of the overall budget. SIP material costs are slightly more up front; however, owners experience a 55% reduction in labor costs due to their ease of use. These spared labor expenses, in addition to the lifelong energy savings of the project frequently result in a savings of \$100,000+ over the life of the standard-sized project.

COST COMPARISON

Take a look at how stick-built and SIP-built homes compare in price, in terms of construction costs and energy costs over a 50 year period.

WHAT WOULD YOU DO WITH AN EXTRA **\$133,000?**



	Stick-Built		SIP-Built	
	\$/Unit	Cost*	\$/Unit	Cost*
MATERIAL COST (framing, sheeting, insulation only)	\$12/SF	\$60,000	\$15/SF	\$75,000
LABOR COST (framing, sheeting, insulation only)	\$7/SF	\$35,000	\$3/SF	\$15,000
MATERIAL WASTE (dumpster and cleanup labor due to framing)		\$2,500		\$250
ELECTRICAL (SIPs save 11% on avg of electrical installation costs)		\$25,000		\$22,500
HVAC SYSTEM (10 Ton vs. 7 Ton unit)	10-ton	\$8,000	7-ton	\$5,000
TOTAL INITIAL COST		\$130,500		\$117,500
INITIAL SAVINGS				\$13,000
ENERGY EXPENSE (Average electric+gas charges x 50 years)	\$400	\$240,000	\$200	\$120,000
FUTURE SAVINGS				\$120,000

*All costs are approximations based on 5000 SF building with 4" walls and standard insulation in Zones 5-6 (moderate climate with heating & cooling required) versus 4.5" SIP walls with 6.5" SIP roof. Calculations above do not include potential savings in bank loan interest, or additional savings due to energy cost inflation over the life of the home.



SIP FACT:

Commercial building owners love SIPs because of their max efficiency, and minimal building envelope issues over the life of the building!

SIPs made a huge difference in my business. SIPs **saved us thousands** of dollars in installation costs and the building went up so fast! I was able to **open my business in record time** and start generating revenue right away!

- **MIKE CARPINO**
SIP Business Owner &
Owner, Mike Carpino Ford & Carpino Subway