



# SIPS vs STICKS REAL LIFE COMPARISON



## PRODUCT OVERVIEW

Deliver superior homes with more value to your customers, and less cost to your bottom line. Premier SIPS are made with standard solid core EPS (expanded polystyrene) or Premier GPS (graphite polystyrene) insulation, and offer 40% higher (warranted) R-values over stick framed construction.

SIPs homes can save homeowners between 40-60% in energy costs, SIPs create a proven stronger, natural disaster resistant home, and SIPs deliver more comfortable, healthier indoor environments.

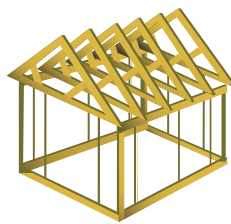
The following case study is a side-by-side comparison of time, materials and associated cost impacts to a key home builder.

## BASED ON ACTUAL PRODUCTION BUILDER'S 2,500 SF SINGLE STORY HOMES

Envelope Framing Installation Duration

SIPS FRAMING		STICK FRAMING	
Snap Lines	1 Day	Snap Lines	1 Day
Plate	1 Day	Plate	1 Day
Frame	3 Days	Frame	4 Days
Plumb & Line	1 Day	Plumb & Line	2 Days
Set Beams	1 Day	Set Trusses	2 Days
Roof Panels	1 Day	Roof Sheet	2 Days
<b>Total</b>	<b>8 Days</b>	<b>Total</b>	<b>12 Days</b>

Note: Eleven days saved between snapping lines and drywall installation.  
Note: Additional time saved not having bowed walls or drywall cracking.



Duration of Rough Trades  
Exterior Walls & Inspections

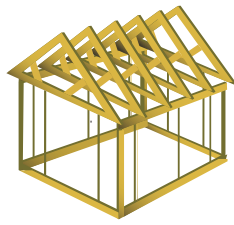
SIPS		STICK	
Drill Studs for Electrical	0 Days	Electrical/ Drill Studs	1 Day
Framer/ Furring Walls	0 Days	Framer/ Furring Walls	1 Day
Framer/ Shear Panels	0 Days	Framer/ Shear Panels*	2 Days
Insulation Install	0 Days	Insulation Install	1 Day
Exterior Sheer Inspection	0 Days	Exterior Sheer Inspection	1 Day
Insulation Inspection	0 Days	Insulation Inspection	1 Day
<b>Total</b>	<b>0 Days</b>	<b>Total</b>	<b>5 Days</b>

Note: Days will vary with size of home and weather conditions.  
Note: Stick frame shear panels arrive pre-cut for windows & doors

## FRAMING, ELECTRICAL & INSULATION INSTALLER LABOR SAVINGS USING PREMIER SIPS

FRAMER			ELECTRICIAN		
4 Days Saved on Labor	\$27.00 per hr.	\$864.00	1 Day Saved Drilling Studs	\$12.00 per hr.	\$96
3 Man Crew Instead of 5 (1 Day Savings)	\$27.00 per hr.	\$432.00	Insulation		
1 Day Saved Furring Walls	\$27.00 per hr.	\$216.00	Money Saved No Insulation in Walls	\$800	
2 Days Saved Shear Panels	\$27.00 per hr.	\$432.00	Money Saved Not Installing in Ceiling	\$600	
<b>Total Framing, Electrical &amp; Insulation Installation Labor Savings: \$3440.00</b>					

\* Labor figured at Prevailing Wage



### ADDITIONAL COST SAVINGS NOT CAPTURED HERE:

- Reduced drywall cracking (callbacks) as house settles far less with SIPS
- Finish trades require less time dealing with bowed walls (Tile, Cabinets, Millwork, Flooring, etc.)
- A possible reduction in crane rental time when using roof panels instead of trusses
- A possible reduction in hardware such as hold downs when using wall panels.
- Electrical installers pull wire through pre-drilled chases, regularly showing reduced installation time and costs.
- Increase in savings can increase for larger homes/ multi-floor properties.
- Reduction in loan carry costs with faster dry-in and finish times.

### FRAMING ACTUAL MATERIAL COST\*

SIPS	STICKS
\$28.88 sf	\$27.50 sf
<b>\$72,187.50</b>	<b>\$68,750.00</b>

\*Material only - approximately, 25% of building cost. Does not include labor & external system savings.

### BOTTOM LINE MATERIAL & LABOR COST COMPARISON

Building Cost with SIPS Framing	\$278,437.50
Building Cost with Stick Framing	\$275,000.00
Difference in Framing Cost with SIPS	+ \$3437.50
Savings in Labor & External Material with SIPS	\$3440.00
SIPS Envelope Breaks Even	+ \$2.50
SIPS are significantly more energy efficient (Enables downsizing HVAC unit from 5 ton to 3 ton)	\$278,437.50
Building Cost with Stick Framing	\$275,000.00
<b>Total Savings with SIPS</b>	<b>\$1902.50 per unit</b>
<b>10 Unit Savings with SIPS (Profit to Builder)</b>	<b>\$19,025.00</b>
<b>50 Unit Savings with SIPS (Profit to Builder)</b>	<b>\$95,125.00</b>
<b>200 Unit Savings with SIPS (Profit to Builder)</b>	<b>\$190,250.00</b>
<b>200 Unit Savings with SIPS (Profit to Builder)4</b>	<b>\$380,500.00</b>

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