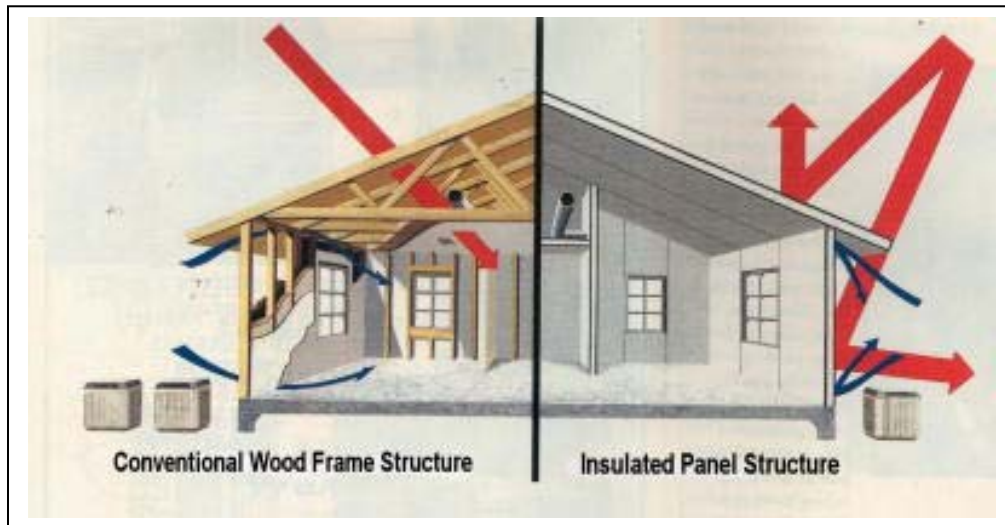


## Product Comparison

# STICK FRAME vs SIP PANELS



# Stick Framing to SIPS Framing Comparison

Based on a 2500 sq. ft. single story home

## Stick Framing

|              |        |
|--------------|--------|
| Snap Lines   | 1 Day  |
| Plate        | 1 Day  |
| Frame        | 4 Days |
| Plumb & Line | 2 Days |
| Set Trusses  | 2 Days |
| Roof Sheet   | 2 Days |

Total = 12 Days

## SIPS Framing

|              |        |
|--------------|--------|
| Snap Lines   | 1 Day  |
| Plate        | 1 Day  |
| Frame        | 3 Days |
| Plumb & Line | 1 Day  |
| Set Beams    | 1 Day  |
| Roof Panels  | 1 Day  |

Total = 8 Days

## Rough Trades/Ext. Walls

|                         |        |
|-------------------------|--------|
| Electrical/Drill Studs  | 1 Day  |
| Framer/Furring Walls    | 1 Day  |
| Framer/Shear Panels     | 2 Days |
| Insulate Walls/Ceilings | 1 Day  |

**Note: shear panels arrive pre-cut for windows and doors**

Total = 5 Days

## Rough Trades/Ext. Walls

|               |        |
|---------------|--------|
| Drill Studs   | 0 Days |
| Furring Walls | 0 Days |
| Shear Panels  | 0 Days |
| Insulation    | 0 Days |

Total = 0 Days

## Rough Inspections

|                 |       |
|-----------------|-------|
| Exterior Shear  | 1 Day |
| Insulation Insp | 1 Day |

Total = 2 Days

Total Days = 19 Days

## Rough Inspections

|                 |        |
|-----------------|--------|
| Exterior Shear  | 0 Days |
| Insulation Insp | 0 Days |

Total = 0 Days

Total Days = 8 Days

Note: Eleven days saved between snapping lines and drywall installation.

Note: Additional time saved not having bowed walls or drywall cracking.

Note: Days will vary with size of home and weather conditions.

## Money saved using SIPS

Based on average prevailing wage

### Framer

|                                 |                 |                 |
|---------------------------------|-----------------|-----------------|
| 4 Days saved on labor           | \$27.00 per hr. | \$864.00        |
| 3 man crew instead of 5 (1 Day) | \$27.00 per hr. | \$432.00        |
| 1 Day saved Furring walls       | \$27.00         | \$216.00        |
| 2 Days saved shear panels       | \$27.00         | <u>\$432.00</u> |
|                                 | Total =         | \$1,944.00      |

### Electrician

|                            |                 |                |
|----------------------------|-----------------|----------------|
| 1 Day saved drilling studs | \$12.00 per hr. | <u>\$96.00</u> |
|                            | Total =         | \$96.00        |

### Insulation

|  |         |                 |
|--|---------|-----------------|
| Money saved not installing in ext. walls |         | \$800.00        |
| Money saved not installing in ceilings   |         | <u>\$600.00</u> |
|  | Total = | \$1,400.00      |

|                              |         |                   |
|------------------------------|---------|-------------------|
| Approximate savings per unit | Total = | <b>\$3,440.00</b> |
|------------------------------|---------|-------------------|

### Further Cost Savings

Reduced drywall cracking as house settles less with SIPS panels

Half the amount, if not more, of left over lumber waste material

Energy savings for home owner

Finish trades require less time dealing with bowed walls (Tile, Cabinets)

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 panel

Sip panels will typically cost about five percent more than conventional framing

### Framing Cost

Per builder/architect Lance O'Donnell framing costs are running between 20% and 30% of building costs. We will use 25% for an average.

|   |              |                           |
|---|--------------|---------------------------|
| \$110.00 per sq. ft. times 2500 sq. ft. = | \$275,000.00 |                           |
| Divided by 25% for framing costs =        | \$ 68,750.00 | (\$27.50) sq. ft.) Sticks |

|   |              |                        |
|---|--------------|------------------------|
| \$115.50 per sq. ft. times 2500 sq. ft. = | \$288,750.00 |                        |
| Divided by 25% for framing costs =        | \$ 72,187.50 | (\$28.88 sq. ft.) SIPS |

### Per Unit

|                            |  |
|----------------------------|--|
| Framing cost for sips      | \$72,187.00 (25% of overall cost)        |
| Framing cost for sticks    | <u>\$68,750.00</u> (25% of overall cost) |
| Difference in framing cost | \$ 3,437.50 (per unit)                   |

### Building Cost

|                      |   |
|----------------------|---|
| \$278,437.50         | (cost with sips)                                |
| <u>\$275,000.00</u>  | (cost without sips)                             |
| \$ 3,437.50          | (difference is framing cost)                    |
| <u>\$ 3,440.00</u>   | (savings in labor & material per page 2)        |
| \$ (2.50)            | (breaking even)                                 |
| <u>\$ (1,200.00)</u> | (down sizing from a 5 ton to a 3 ton HVAC unit) |
| \$ (1,202.50)        |   |
| <u>\$ (700.00)</u>   | (savings in wasted lumber plus hauling)         |
| \$ (1,902.50)        | (overall savings per unit)                      |

### Approximate money saved for multiple homes

|                                       |                     |              |
|---------------------------------------|---------------------|--------------|
| \$1,902.50 per unit times 10 units =  | (profit to builder) | \$ 19,025.00 |
| \$1,902.50 per unit times 50 units =  | (profit to builder) | \$ 95,125.00 |
| \$1,902.50 per unit times 100 units = | (profit to builder) | \$190,250.00 |
| \$1,902.50 per unit times 200 units = | (profit to builder) | \$380,500.00 |