

# Hurricane Resistant

# Residential Steel SIPs Construction



## Understanding SIPs Technology

### What is a SIP?

S-I-P stands for Structural Insulated Panel. SIPs have been used for many years to build homes, commercial buildings, high-tech assembly rooms and cold-storage facilities. SIPs provide the frame, insulation, moisture barrier and exterior sheathing. For homes, the interior and exterior wall surfaces are finished with the same materials as in traditional construction. Not only does this simplicity of design provide a superior structure, it also greatly streamlines the construction process.

- ✓ Fortified steel construction ..... 3 times stronger than frame
- ✓ Termite resistant
- ✓ Energy efficient ..... using 50 – 60% less energy
- ✓ Green building approved ..... low environmental impact
- ✓ Superior indoor air quality – mold resistant
- ✓ Faster construction time
- ✓ Better insurance rates



For more information call Toll Free: 1-877-321-SIPS (7477)

Licenses: Florida CBC036455, Georgia RLCO-000624, Louisiana CL33845



## WHY STEEL SIPS?

Although any SIP construction will save 50 – 60% in energy costs, are 3 times stronger than frame, and are more environmentally friendly. Steel is a better choice for the following reasons

### Advantages of Steel SIPS vs.OSB

- ❖ Steel will not warp, swell, twist, rot
- ❖ Rain during construction do not affect materials in any way
- ❖ **No cranes** needed for installation a steel SIPS are lighter than OSB
- ❖ The underside of the roof panel automatically forms an attractive finished soffit overhang or exterior porch ceiling.
- ❖ Joints are a T&G friction fit they **do not require splines**, mastic or fasteners greatly speeding installation time
- ❖ Steel is more stable during manufacturing and panels are held to 1/16" tolerance
- ❖ OSB is limited to 24ft. in length ...Steel SIPS are available up to 53ft. in length, eliminating butt joints
- ❖ Steel panels are manufactured on a continuous line making them available in square pre-cut lengths in ¼ " increments, but only charged to the nearest ½ ft., OSB often rounds up to the nearest 2 ft. increment – making you pay for waste that gets thrown away
- ❖ **Higher " R – Value"** denser foam provides a 4.25 R- value per inch of foam
- ❖ **No Termites** ... Impervious to termites and carpenter ants , steel skin and foam core offers no food value
- ❖ No foam grooving is required for window and door openings, after cutouts are made, openings are simply "picture framed" with 18.ga. steel channels
- ❖ The steel skin is the "vapor barrier" on walls no additional covering is required before siding is applied
- ❖ Eave overhangs can be 4 feet with no additional support
- ❖ Sound Control – utilizing a 1-1/2" steel furring strip creates a dead air space for improved STC ratings.
- ❖ Wiring – utilizing that same air space, wiring is much easier than fishing wire thru OSB and any future retrofit wiring is easier.
- ❖ Will **not support mold** growth – painted galv. steel skins are UDSA approved
- ❖ Indoor air quality is better due to the tighter and cleaner construction material of the interior
- ❖ Any steel building is safer from lightning strikes
- ❖ "Monocoque construction" All connections and attachments are with screws having greater pullout strength than nailing
- ❖ For economy or insulated utility buildings, steel SIPS have been left exposed as the finished siding and roofing.
- ❖ Properly grounded steel buildings are safer than wood in lightning storms
- ❖ Zurich Ins. In partnership with the Steel Framing Alliance offer reduced builders risk insurance premiums
- ❖ In the Gulf Coast Region and other hurricane prone regions Steel SIPS are 30% **less to insure** that block/truss and 53% less to insure than wood frame construction
- ❖ LEED points easily attained as steel skins are made from recycled steel , are recyclable and EPS foam core is recyclable

# Hurricane Resistant

# Commercial Steel SIPs Construction



## Understanding Steel SIPs Technology

### What is a SIP?

S-I-P stands for Structural Insulated Panel. 26. ga. Galvalume or G-90 galvanized painted skins over a solid foam core. SIPs have been used for many years to build homes, commercial buildings, high-tech assembly rooms and cold-storage facilities. SIPs provide the frame, insulation, moisture barrier and exterior sheathing. For homes, the interior and exterior wall surfaces are finished with the same materials as in traditional construction. Not only does this simplicity of design provide a superior structure, it also greatly streamlines the construction process.

- ✓ Superior steel construction ..... 3 times stronger than frame
- ✓ Termite resistant
- ✓ Energy efficient ..... using 50 – 60% less energy
- ✓ Green building approved ..... low environmental impact
- ✓ Superior indoor air quality – mold resistant
- ✓ Faster construction time
- ✓ Better insurance rates



For More Information call Toll free: 1-877-321-SIPS (7477) or e mail at:

[info@SipSupplyInc.com](mailto:info@SipSupplyInc.com)



1395 S. Lotus Drive  
 Suite A  
 Dunedin, FL 34698  
 727-734-3433, 102  
 Fax 305-425-0519  
 www.sirms.com



# Our Insurance Carriers

## LOVE

### STRUCTURAL INSULATED PANELS

## HOW MUCH DO THEY LOVE THEM?

### JUST COMPARE THE OPTIONS

<i>Construction Type</i>	<i>Frame</i>	<i>Concrete Block</i>	<i>Steel SIPS</i>
<b>Annual Premium</b>	<b>\$4800.00</b>	<b>\$3250.00</b>	<b>\$2250.00</b> ←

Policy Limits – Homeowners (Builders Risk Available)

Dwelling	\$500,000
Other Structures	\$ 50,000
Personal Property	\$250,000
Loss of Use	\$ 50,000
Personal Liability	\$300,000
Medical Payments	\$ 2,000

Deductibles Wind 2%, All Other Perils \$2500  
 Replacement Cost Valuation

This document is provided for comparison purposes only. The final cost of insurance coverage is based on the facts, information and rates available at the time coverage is bound. This document is not intended to modify or change policy language and rates can change without prior notice. September 6, 2007.