

# porterSIPS™

Structural Insulated Panels



**HIGH ENERGY PERFORMANCE &  
SUSTAINABLE BUILDING SYSTEMS FOR  
RETAIL & COMMERCIAL CONSTRUCTION**

## COMPLETE SHELLS. FRACTION OF THE TIME.

PorterSIPs (Structural Insulated Panels) is a single source provider of ready-to-assemble insulated building shells. These turnkey solutions can vary in scope and include not just the SIPs, but additional features such as truss packages and installation. Improve your critical path with a complete PorterSIPs envelope.



## PORTERSIPS DIFFERENCE

### Fast Construction

- Weeks less than general construction
- Earlier occupancy
- Combined structure & insulation
- Precision CNC manufactured panels
- Improves prototypical efficiencies
- Reduces structural supports
- Up to 24' clear spans

### Cost Saving

- Reduces operating costs
- Up to 50% more energy efficient
- Improves critical path timeline
- Eliminates construction trades
- Factory provided installation
- Single source building envelope
- Requires less structural support
- Shell project management provided

### Environmentally Friendly

- Contributes to LEED certification
- Eliminates SIPs job site waste
- Reduces landfill costs
- Exceeds code requirements
- Airtight construction
- Superior R-values
- Reduces HVAC size requirements
- Improves HERS rating\*
- Fewer steps for energy requirements
- Environmental Product Declaration (EPD statement available)

\*Home Energy Rating System

## SINGLE SOURCE PROVIDER

### Structural Insulated Panels

Insulating layer of rigid EPS (Expanded Polystyrene) sandwiched between two layers of OSB (Oriented Strand Board). SIPs are a unique building product that combines structure and insulation in one large rigid panel.

### Structural Materials

Provide & Install:

- Wood truss, steel truss, columns, beams, headers, purlins & girts
- Roofing
- Framing (Interior walls, dormers, bump outs, parapets, all plating, windows, door rough framing, and headers over framing)

### Engineering Support

- Engineered shell
- Sealed engineering drawings
- Sealed engineering calculations
- 3rd party quality control
- Code listed
- Additional engineering services
- 3D model CAD drawings

### Installation (US/Canada)

- Manufacturer supplied installation
- Union/non-union labor
- Servicing North America
- Efficient & fast installation crews
- Insured and bonded



Building with SIPs is significantly faster than stick built construction



Day 1



Day 2



Day 3



Final

## REPEATABLE CONSTRUCTION

PorterSIPs has experience working with architects to value engineer a design for repeated use. These repeatable buildings can be optimized for material utilization and be shipped as a ready-to-assemble package to your job site anywhere in the country. Installation is also available.



## PORTERSIPS ADVANTAGE

PorterSIPs are the key to faster construction and energy efficiency.

SIP buildings use up to half the energy of conventional construction.

SIPs can be used on most building designs and are particularly useful in open designs with long roof spans.

SIPs can be erected 300% faster than conventional building.

SIPs are designed and engineered to meet required loads and are inherently stronger than conventional framing.

SIP buildings have less interior noise, fewer drafts, and more consistent interior temperatures.

SIP buildings have better control of air quality due to their inherent air-tightness.

Building with SIPs helps earn LEED points.

**porterSIPS**<sup>TM</sup>  
Structural Insulated Panels

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