

# R-WALL® (TCSP)

## Thermal Composite Structural Panels

### Advantages

The R-Wall® Thermal Composite Structural Panel (TCSP) is a factory prefabricated insulated wall panel available in numerous configurations to meet structural and thermal resistance requirements in a wide range of building applications. This versatile patented technology is a unique combination of proven prefabricated wall panel construction and high performance rigid foam insulating materials.

- Compatible with existing design methods, standards and codes
- Best-in-class thermal insulating performance
- Innovative products based on proven technology and certified materials

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*“the R-Wall exceeded our family’s expectations in terms of energy and cost savings, home comfort and reduced noise levels....”*

*- Robert Cottell, New Home Owner*

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Custom panels to suit your plans

### Put it Together

- Customize to Plan
- Speed the Build Process
- Save Cost and Energy
- Improve Home Comfort & Quality



## Wired for Sound and...

Rough ins for all types of electrical wiring can be completed in plant according to your wiring schematic or on site by using a hand held router or special purpose foam saw.

Electrical wiring can be easily and securely fastened using approved multi-strand wiring clips by first snapping the wires into place and then nailing the clip into the pre-routed wiring channel

## One Good Choice Leads ...

When choosing a new enabling technology it should do precisely what it says—enable you. Choosing the R-Wall® allows you to choose a pre-insulated structural wall panel tailored to your needs.

- Framing Structural Elements—Because the R-Wall® is based upon conventional wall panel technology, customers can choose structural framing elements from standard dimensional and engineered lumber of various sizes for studs, headers and point load bearing columns.
- Wall Sheathing—Exterior wall sheathing type is completely flexible to suit structural and exterior finish requirements.
- Thermal Resistance Values—R values can be tailored by modifying the ratio of different insulating materials within the composite insulating billet in cost optimized fashion.
- Exterior Thermal Sheathing—Foil faced exterior sheathing can be added to introduce thermal breaks, provide integrated weather barriers and enhance R-Values on the panel of your choice.
- Options—Other options such as exterior strapping and weather shield can be added to your panels in plant to further speed on site installation.

***Choice means the wall panel you require arrives ready to install without the need for time consuming modification on site.***



Wire Clip and Pre-Cut Channel

## The R-Wall Product Series

The R-Wall® is offered in two standard series and custom versions of product.

**Series 4000**—is based on 2 x 4 dimensional framing with installed R-values ranging from R24 to R28.8.

**Series 6000**—is based on 2 x 6 dimensional framing with installed R-values ranging from R24.8 to R31.8.

**Custom Series**—can be tailored to meet higher structural and thermal resistance requirements by using larger dimension framing materials and adding insulating content. Please speak to your authorized Thermal Composite Structural Panel manufacturer regarding your unique requirements.



Series 4000



Series 6000

## When the Wind Blows...

Take comfort that the R-Wall® uses closed cell rigid foam insulation and is not susceptible to air infiltration and the convective heat losses associated with more porous insulating materials. These real world conditions can effectively reduce the laboratory rated wall insulating performance of porous insulating materials by 26%.

## Save Energy and Cost.

Reduce energy consumption and your heating bills with the knowledge that the R-Wall® is a quality financial investment for years to come that you can take comfort in today.

# The Back Story

Tampa Hall Limited was founded in 1960 by a group of enterprising new home builders as a business cooperative to supply roof trusses, wall panels and framing materials. Long before such corporate structures or the use of prefabricated components were popular, Tampa Hall built its business upon the principles of innovation, quality and value. These founders believed and proved that through innovation and prefabrication homes could be built faster and better.

The R-Wall® is the next step along that building innovation pathway.

## Contact Us

Give us a call for more information about our products and services

### Tampa Hall Limited

P.O. Box 1080  
100 Guthrie Street  
Ayr, Ontario  
Canada  
N0B 1E0

519.632.7437

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

Visit us on the web at

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**TAMPAHALL**  
LIMITED

*The Thermal Composite Structural Panel is a patented product (US Patent, 8,365,497) manufactured under license from Ranson Corporation*