



*Get more Quality, Flexibility and Labor Savings using*

# #2 WALL PANELS



**ITW Building Components Group**



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# WALL PANELS

Builders want solutions that help them stay on schedule and maintain quality construction and profits. When compared to traditional frame construction, manufactured wall panels are better, stronger, and can be installed faster. A wall panel is an engineered structural component assembled from wood members.

Like other engineered wood products, wall panels save you time, money, and guesswork. All wall panels are developed by skilled technicians using sophisticated computer modeling software. The result is building components precision fitted to exact job specifications. You'll receive a layout for a complete wall system with framed-in openings for windows, doors, and headers, exactly as detailed on the plans.

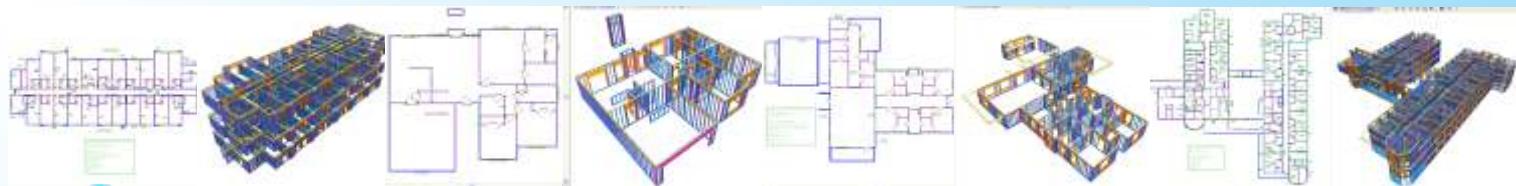
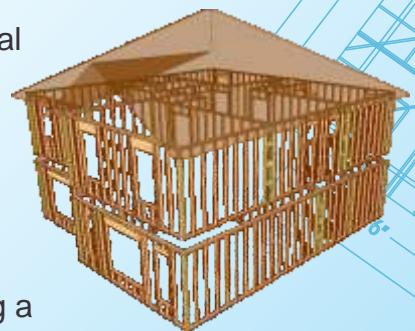


The component manufacturing process is simple and offers the professional builder plenty of time- and cost-saving resources along the way.

### **Here's how it works:**

The building designer determines what loads need to be supported within the home. House plans are sent by the builder to the component manufacturer. There are hundreds of manufacturers operating nationwide, but builders should research the quality and delivery costs before choosing a vendor. Then the component designer determines the panels that will be required, and their specific placement in the home. The manufacturer then builds the component, labels them for accurate installation, and ships them to the builder on the job site.

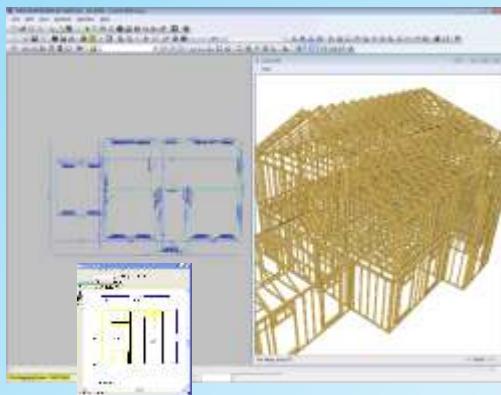
A detailed diagram with the placements of the panels is sent along with the shipment to help the builder place the components exactly where they should be installed. Once the wall panels are on the site, the builder can really start to see the benefits. These benefits will reduce the amount of time trade contractors spend on site, speed up construction, and ultimately save the builder money. The technology used in the design and manufacturing of wall panels makes them a superior choice for builders looking to streamline construction and provide a higher quality home to their customers.





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## Layout, Design and Engineering Software

Powerful CAD-based design software from ITW Building Components Group generates traditional plan view layouts, and 3-D graphics that give an accurate picture of a structure from virtually any perspective by showing every component in place. ITW's *Instinct Residential Design System* is cutting edge technology utilizing a BIM-based system that integrates information and functions through a single 3-D model that can be shared by the entire supply chain.

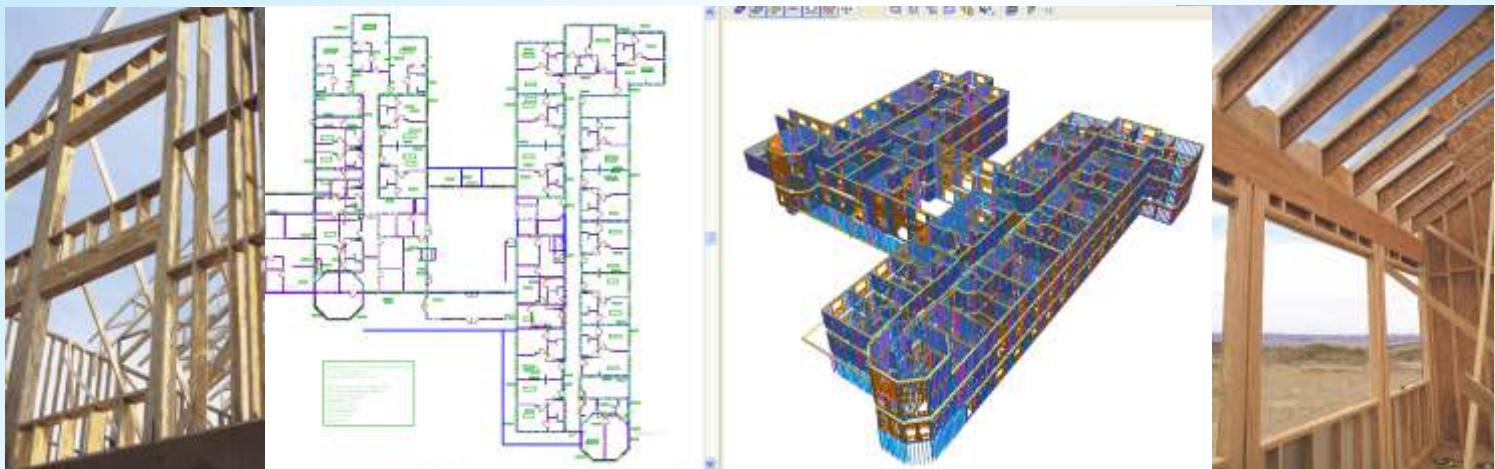
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**INSTINCT**  
RESIDENTIAL DESIGN SYSTEM

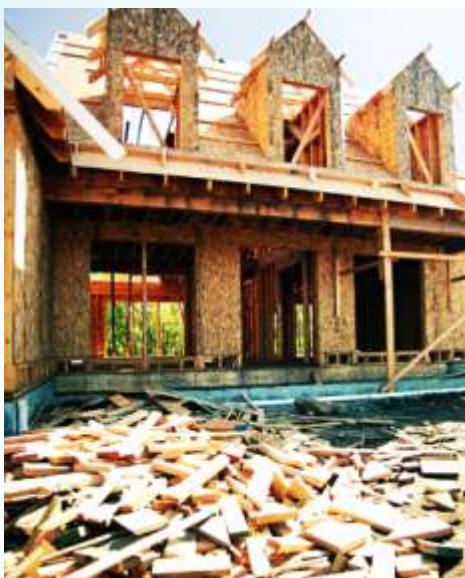
## Wall Panels Save You Money

The dry-in time for a structure using wall panels is significantly shorter than stick framing. This saves money in construction costs. The simplicity of erecting a panelized structure allows for a less experienced construction crew, saving cost of labor and expensive mistakes from field decisions. Far less scrap is generated on a job-site using panelized walls.



## Less Waste and Safe job sites

Because wall panels arrive as a complete system, you'll reduce waste from inaccurately cut lumber. Less waste results in lower cost of dumpster removal. Additionally, the amount of shrinkage, warping and twisting of the material due to weather conditions is greatly reduced. Panelization reduces the amount of lumber being cut on a job site. Thereby, reducing injuries resulting from cutting lumber.



Job Site Look Like This?



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## You Can Save Time, Money and Build a Better Home

Wall panels are built in a controlled environment using precision laser technology to ensure consistent quality and fit. Because the wall panels arrive on site as a system, there are fewer construction delays, allowing you to complete more homes per year.



## Get the Job Done Faster

When wall panels arrive on your job site, each one is labeled and accompanied by detailed instructions for set-up sequence and placement. This speeds up installation.

## Reduce Your Labor Needs and Costs

Using wall panels means faster installation time. It also means you'll need fewer framers, which translates into more cost savings for you. You're able to maximize your team with only one crew leader. General contractors can also manage multiple job sites more efficiently. In addition, wall panels require less cutting and nailing so you can reduce the risk of job site injuries.



**ITW Building Components Group** is a leading supplier of innovative products and services for the building component industry. Offering component engineering services, design and management software, cutting and manufacturing equipment, a unique trimmable end floor truss system and metal truss connector plates. The pioneering work done for wood components was also applied to our unsurpassed cold-formed steel product line.

**CONNECT**  
with ITW's Building Design Platform

These outstanding products and services allow our customers to manufacture the finest building components available anywhere. A recently expanded software product line now includes design and manufacturing programs that will help streamline the entire building process.

Engineering principals are fundamental to everything we do and connections are key...to every truss, to every building, to every component business. Everything is built on trust - trust in the experience and judgment of every professional involved in the project. By designing tools that let each professional connect and build on the work others have done along the way. Our products help to streamline the entire building process. By connecting more building professionals with the right software and tools we can all work together - building synergy.

ITW Building Components Group represents premier brand names including Alpine Engineered Products, Truswal Systems, Alpine Equipment, Intelligent Building Systems, SpaceJoist TE, Ameri-CAD, hsbCAD, TrusSteel, Alpine Systems in Canada and Pryda.

Our parent company is a leading international business corporation with nearly 100 years of history, **Illinois Tool Works Inc.** (NYSE: **ITW**) is a diversified manufacturer of advanced industrial technology. ITW designs and produces an array of highly engineered fasteners and components, equipment and consumable systems, and specialty products and equipment for customers around the world. Our 825 decentralized business units are located in 52 countries and employ approximately 60,000 men and women who are all focused on creating value-added products and innovative customer solutions.



**ITW Building Components Group**

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