

Technically Speaking

Delivering Innovative Eco-friendly Value

Next generation buyers appreciate the value of smart construction technology, green building initiatives, energy conservation and safety

Deliver More Value

Trinity's Integrated Post and Panel technology IPP® combines the aesthetic appeal and strength of natural timbers, with performance features of Structural Insulated Panels (SIPS). Airtight tongue and groove connections slip fit into and over patented timber channels increasing strength and energy conservation. Assembling in record time with precision accuracy, IPP's building system will lead an evolution of new construction technology and deliver competitive advantages to developers and builders.

Automated processing

IPP® Architecturally engineered blueprint data feeds automated CNC processing machinery, for precision cut output of timber frame components and connections. Solid wood is pre-cut, stacked and air dried for quick processing of size, length, detail and species.

Precision Panels

IPP® Polyurethane foam panels deliver impressive R-Values with adhesive properties that penetrate directly into the OSB or Magnesium Oxide Board skins. This extremely strong bond out performs lower quality Polystyrene SIPS slabbed with a separate adhesive that can delaminate. Our IPP® polyurethane foam is free of CFC's, VOC's and HFC's, resulting in one of the greenest foams available today.

Value added Performance

R-Values. At over R-7.5 per inch, the IPP® system exceeds the newest building code regulations at R28+ for 4.5" walls and R40+ for 6.5" roof panels, resulting in an airtight home saving occupants money and creating comfort.

Polyurethane foam has one of the lowest moisture permeability ratings of any product in the building industry today. The permeance rating is 1.2. No pests, No allergens, No dust, No Mildew, No Mold, No Off-Gassing or PCB's.

Fire Resistance. With a Class 1 rated foam, the highest rating a building product can obtain, polyurethane is not a source for fire. On its own, it will not burn and will extinguish itself. Polyurethane is a thermal-set plastic, which will not melt. At 1000 degrees it will only char. An impressive 2 Hour fire rating that provides extra time and safety!

Sound Proof. IPP®'s Inert Polyurethane foam has a density of 2.2 lbs. (twice that of EPS foam), resists most chemicals, and provides quiet comfort.

Details Matter!

Typical Interior and Exterior finishes tuck neatly into grooves that further minimize finishing materials and labour that resolves shrinkage, cracking or settling variables. Electrical easily runs in chases or router grooves.



Trinity
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Intelligent Building

Simplified Project Management

Reduced Construction Time with Less Trades Result in Improved Project Scheduling, Fixed Costs and a Quicker Turn to Cash

Time is Money

The Intelligent IPP® Integrated Post and Panel system.....

- * Reduces Time to Lockup Draws
- * Provides a Quicker Turn to Cash
- * Smoother Project Management
- * Firm & Predictable Scheduling
- * Less Costly than Timber Frame
- * Faster than Stick framing
- * Less Exposure to Weather
- * Fewer Trades & Coordination
- * Precision Cut & Fit Accuracy
- * Direct Sequenced Assembly
- * Reduced Site Deliveries
- * Less Errors, Theft and Waste
- * Increases Trades Out-put
- * Cathedral and Bonus spaces

Build it Smart

The Integrated Post and Panel IPP® construction system provides advanced solutions un-matched by conventional stick framing....

- * R-Values beyond Code
- * Airtight and Energy saving
- * Upscale Aesthetic Appeal
- * Strong & Moisture proof
- * Green qualified programs
- * Competitive Advantage

Fixed Cost Budgeting

Every IPP® project offers many advantages over traditional framing...

You can budget and plan with predictable certainty, reducing cost overruns, trade delays, overlaps, inaccuracies, errors, material waste and costly downtime. The **IPP®** building envelope installs quickly and replaces a spectrum of trades and materials. This translates into a larger portion of the project completed in less time with airtight accuracy. As a result, your project runs smoother easing coordination and scheduling tasks. Interior and exterior trades can start and finish sooner improving output capacity, while simplifying tasks with opportunity for reduced expenses.

Fewer Parts, Less Waste

The IPP® Exo-Skeleton is simplified with less parts and job site waste.

Your environmentally friendly job site is cleaner and safer with fewer material deliveries that save time, money and trips to waste disposal.

Quiet, Strong Eco-friendly and Airtight Technology

The patented **IPP®** system combines the strength and beauty of Post and Beam construction with the energy efficiency of Polyurethane Structural Insulated Panels. This airtight technology delivers sustainable savings and quiet comfort using reduced mechanical systems and substantially less energy to heat or cool a building. The simplified Post and Beam design and OSB Panel skins use less timber and new growth forest resources creating an eco-friendly, recyclable and longer lasting building.



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Sorry Guys

Some Services Are No Longer Required

The IPP® System Seriously Reduces the Use of Resources including Supply, Manufacturing, Deliveries, Time, Costs, Trades, Noise, Stress and Money

Lock-Up Efficient

It's like a weight is lifted off your shoulders and all of a sudden your project is lock-up ready. Once you see how fast and trade efficient IPP®'s system is you'll be adjusting your critical path project timelines.

We're Gonna Miss 'Ya

- Cumbersome Roof trusses (Truss bracing, hand framing & danger)
- Insulators (Walls, Attic, box ends)
- Noisy Attic Blow truck (attic back)
- Vapour Barrier (Leaks, traps moisture)
- Yucky Black Adhesive (garbage)
- Deliveries (for materials & trades)
- Labour reduction (packing lumber, cutting every piece, OSB cuts, layout time, lifting, clean-up, garbage packing etc.)
- Electrical prep (less drilling, plastic boots, mess, and speed)
- Stacks of Lumber & Plywood
- Exposed Materials (weather, theft, twisted lumber, off-cut garbage)
- Carpentry (reduced and accurate)
- 8" Windows jambs (narrower exterior walls for less costly jambs and finishing materials)
- Cutting out openings (windows & doors, less tool work, less fasteners, no more missed studs, better quality assembly)
- Interior Scaffolding (Hard to reach Drywall (can be replaced with *MO Board) or T & G Pine panelling can be factory installed on Roof and Wall Panels) *MO board is a fireproof rigid Magnesium Oxide board with similar finishing properties to drywall. (Impervious to moisture)
- Improved Drywall Production (The Dry-wall team may have less board to mount and definitely less inside corner beads, mudding and crown corners to do)
- HVAC Mechanical requirements are greatly reduced – smaller systems – heat & Air – hello green options and savings
- NOISE Jobsite Noise and air pollution is minimized, Staff & Neighbours are happier!

Simplified Project Management

- LESS Trades to Coordinate
- LESS P.O.'s, Change Orders
- LESS Invoicing and Cheque writing
- LESS Phone-calls, less downtime
- LESS Off-cue Trade Arrival and Delays
- LESS Interruptions to be Lock-Up Ready

This and That Adds Up

- Less Risk from Wind & Rain
IPP® is built safe and strong as it goes, and in much less time
- Less Mistakes Floor layout and plate cutting is eliminated for Exterior walls, yelling angles down to the ground crew, less live cutting on the roof, less time up high
- Less Dangerous work exposure
Minimizes climbing around on trusses, extension cords, air hoses, pulleys to pass up roof sheeting cuts, bracing, sawdust in eyes, working late to get 'er done, manually tipping up heavy walls, with risk and labour
- Less Swollen and wet floors
IPP® gets the roof on in record time
- Cabinet Backing You can mount directly to Exterior walls for cabinets, closet mounts, hardware accessories and shelving
- Less Finishing Reduced Materials, cost and Labour Inside and Out- Built in Natural finishes and patented grooves for tuck and fit technology. Sweetens stucco, siding and drywall tasks, its faster cleaner and easier.
- Easier Inspections The framing and Insulation Inspections are simplified. IPP® is engineered and stamped by authorities.
- Soffit crew may not be required because T&G or other wood finishes can be factory applied (no backing required)
- Painting crew doesn't necessarily have to stain anything. We can factory stain all timbers and custom finishes in advance.

Developers
& Builders

Where's my
hardhat?



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Trinity Post and Panel includes blueprints, engineered and rendered, ready for permit.
Conditions apply to job size

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