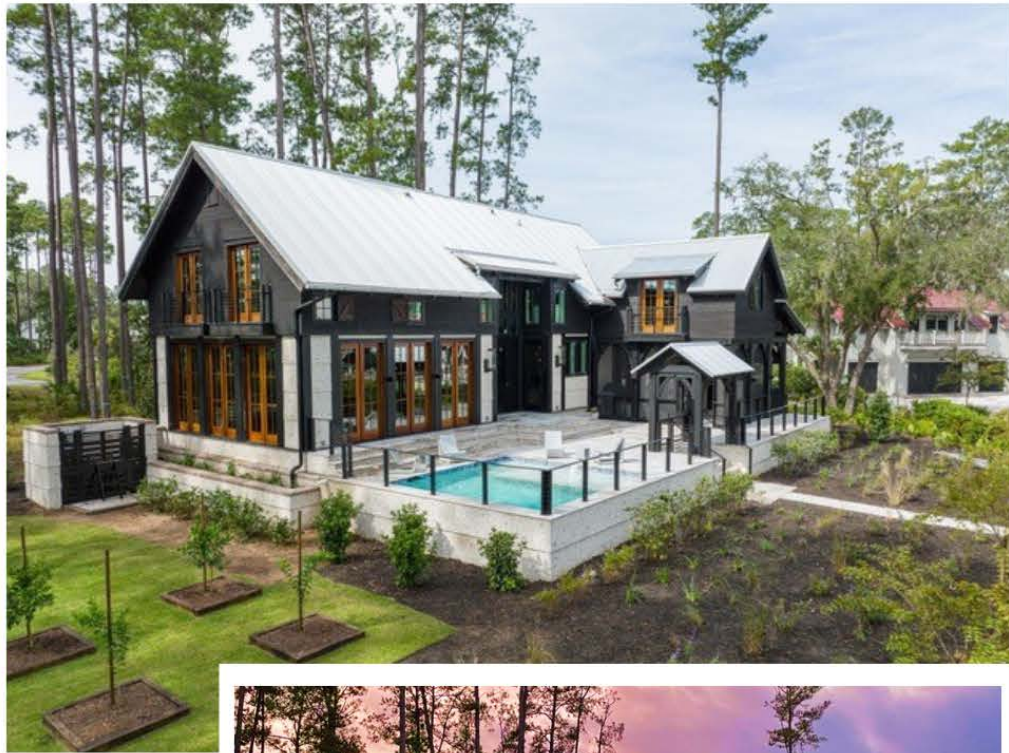


**BUILD  
SMARTER,  
BUILD  
BETTER.**



**Eco-Panels Single Piece Corner Panel**

Our one piece solid corner provides superior strength and improved energy efficiency over other typical framing methods.



**Cam-Lock Connections**

Embedded cam-locks located every 24" along panel edge of most Eco-Panels providing superior joinery strength over typical SIP panels.



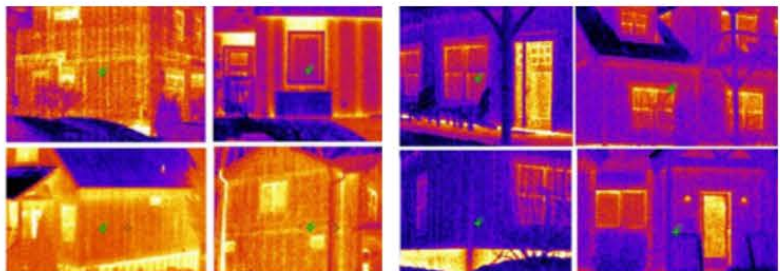
**A Better Kind of Foam Insulation**

The vast majority (90+%) of structural insulated panels, or SIPs, sold in the United States use Expanded Polystyrene foam, also known as EPS foam. EPS is a product much like Styrofoam® that most people are familiar with - it is very lightweight but it also melts at very low temperatures, and can hold moisture that can promote rot, as has been seen in prior work we have been called in to help repair.

Eco-Panels uses a proprietary blend of closed cell polyurethane foam created in part from a poly-alcohol derived from post-process sugar-beets. Closed cell urethane foams are the "go to" product for companies serious about providing strong and high efficiency insulation – companies like Yeti® or Igloo® for creating durable and super-insulated coolers. And our insulating foam core will never melt – allowing Eco-Panels to maintain structure in conditions where an EPS panel would fail.



**2-3 Times stronger than common 2x framing.**



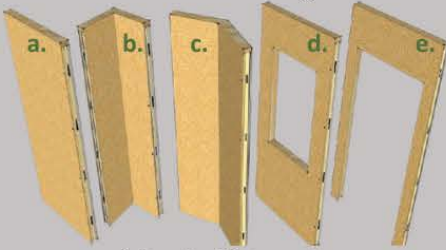
Recently built 2x6 stud framed "green" homes show massive energy loss through stud framing of walls.

Eco-Panels built homes with just a 4.5" thick wall panel show energy loss at windows & doors and foundation -not the wall system!

**See reverse for more details.**

**If you're serious about building a stronger and more energy efficient home, we're creating the most efficiently insulated homes on the planet.**

## Standard Wall Configurations



- a.) Standard flat panel
- b.) 90° Corner Panel
- c.) 135° Corner Panel
- d.) Window panel
- e.) Door panel

## Cam-locks



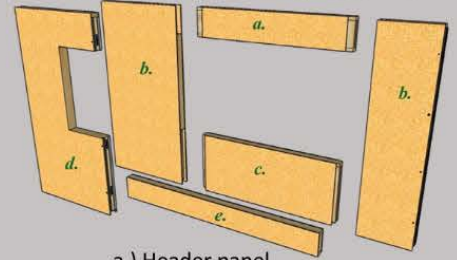
Embedded interlocking cam-locks with reverse flange secured with 5/16" hex wrench.

Closed Cell Polyurethane Foam Insulation  
that works harder when you need it to  
"R" (Insulation) Value of Our Aged Foam at Varying Temp.

Outdoor Temp.	Panel Thickness		
	4.5"	6.5"	8.25"
75	25	39	51
55	26	40	53
20	29	45	58
0	30	46	60

Approx. Avg. Annual Temp of U.S.

## Alternative Panel Configurations



- a.) Header panel
- b.) Notch panel
- c.) Footer panels
- d.) Split window panel
- e.) Box beams, insulated rim panels

## HERE'S A LITTLE MORE INFO ON THE FEATURES OF THE PANELS

### Custom manufactured for YOUR Home

Manufactured in maximum 4ft wide increments and a variety of sizes. Panels are most often used for exterior walls, sometimes as roof panels, rarely as floor panels.

- Foam injected into panel at 2.5 lbs./cu. ft. density, higher than competitors.
- Cured under very high pressures, for strength and quality.
- Embedded fasteners allow for simple manual installation.
- Small panel sizes minimize site impact and allow for easy handling.
- Lower cost, lower impact delivery and placement.
- Less Waste & Noise on job-site.

#### -Custom configurations often include:

- Electrical chase and junction boxes can be installed per customer request.
- Framing for windows, doors, beam-pockets, etc. is typically part of the panel.
- Beam-pockets or extra blocking within panels as required.
- Exterior panel skin can be extended down (or up) over floor system to further increase building strength.

### Eco-Panels Cam-Lock

Eco-Panels typically do not require any nails or screws to hold the panels together, significantly increasing the speed of assembly.

- Cam-locks are typically embedded in foam every two feet on the vertical panel edge.
- Cam-lock is turned by simple 8mm (5/16th inch) hex wrench
- Each Cam-lock set has a holding power of approximately 400 lbs.
- Allows even low-skilled labor to create wall systems much stronger and more efficiently insulated than traditional construction can ever achieve.



### The Unique Eco-Panels Corner Panel

With traditional framing one of the weakest parts of a home is where two walls come together.

- This can be a problem in seismic and high wind regions.
- It is also impossible to fully insulate due to framing.

Patented single piece corner panel.

- Eliminates the weak point where two standard walls come together.
- Prevents losing energy from the poorly insulated corner area of a typical home.
- Reduces skill level required for assembly.
- Increases quality of construction
- Continuous insulation provides strength & improved energy efficiency.
- Can speed overall assembly time.