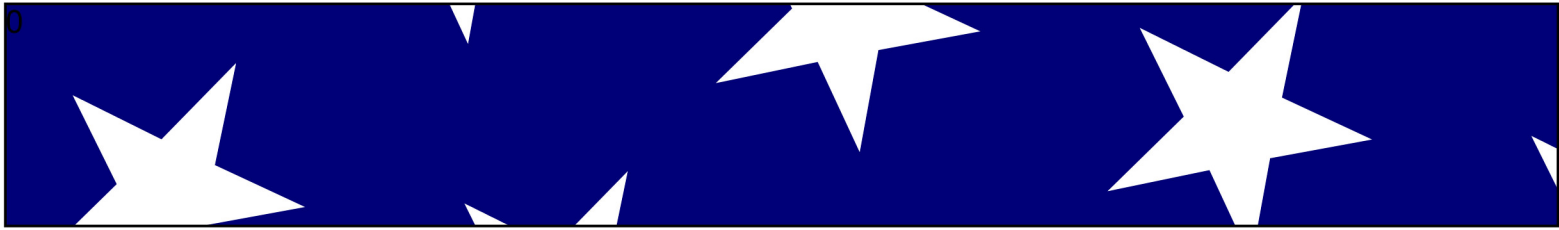


The Terrapeg Building System



Housing and Furniture made from the Earth's
most Sustainable Resource
Recycled Wood Fiber





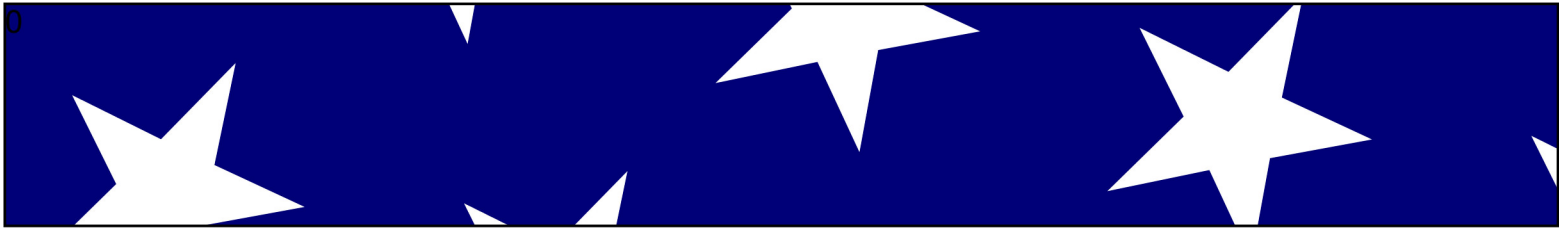
Terrapeg House demonstration
inside the Pentagon Courtyard
Washington, DC.

History

Frank Schooley is a cabinetmaker, product designer and inventor with over 45 years experience. His current cabinet shop features a CNC Router, a computer controlled cutting machine, which allows designs to be manufactured simply and quickly.

Frank was working on his first Terrapeg® furniture designs using this machine when the Haiti earthquake hit. The obvious need led him to design the Patented Terrapeg house, Shelter In A Day®. He has since programmed over 35 new furniture designs, winning several design awards.





“The Future is calling us to greatness.”
Michael Dowd

Our Vision Housing and furniture are basic human needs and the demand for them is growing. We are adding three million people, the population of San Francisco, to the Earth every week. To meet that demand requires new and sustainable technologies and materials. We want to meet that challenge.

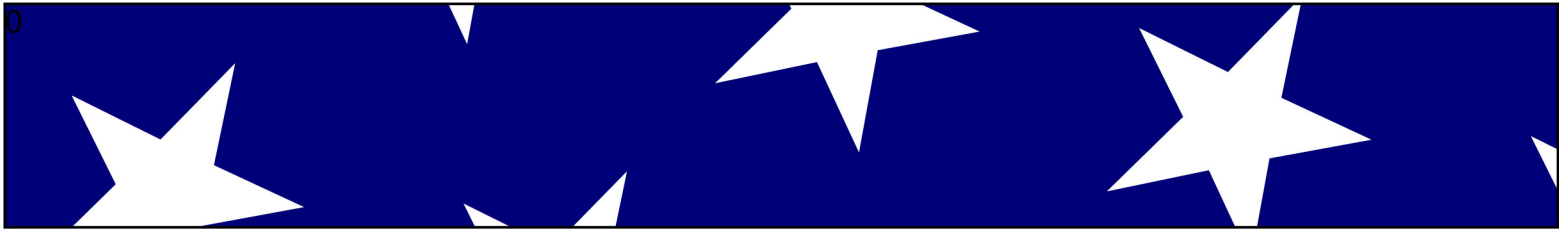


Terrapeg Furniture



Terrapeg House, Shelter In A Day





Our Mission We think furnished housing should be affordable to buy, easy to ship, simple to erect, offer comfort and value as well as security. We believe that innovative design, technology and materials can provide sustainable new solutions that make sense. At Terrapeg, we want to meet those needs and more...in a simple, sustainable way.



Aid & International Development Forum, Washington DC said we won this award by a landslide vote.

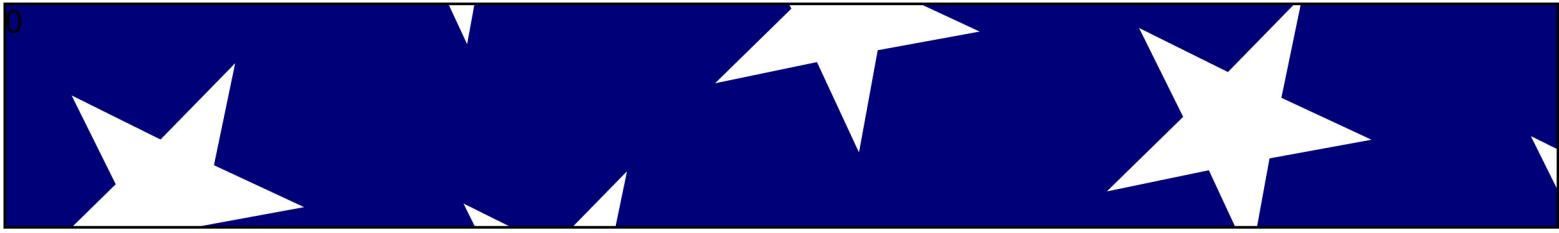




Fiberboard and Tool-Free Joint



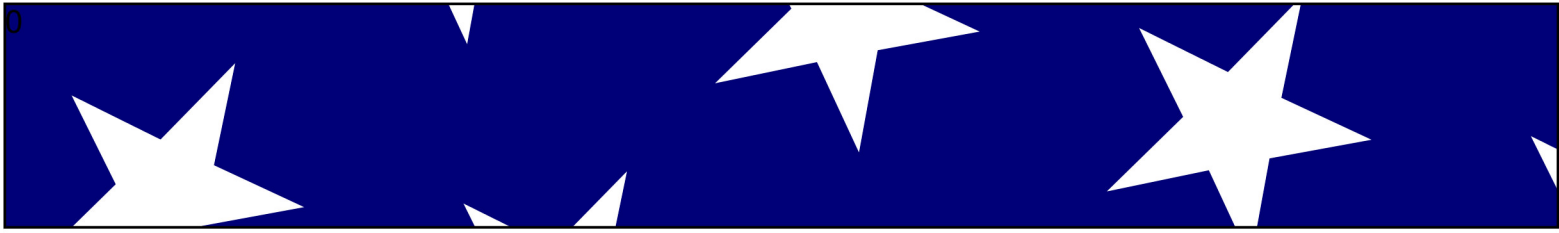
Materials Fiberboard is a sheet material made from the world's most renewable resource, recycled wood fibers. Since it's made from wood waste it is an inexpensive, sustainable and GREEN material. It looks like a very thick sheet of brown paper and is structurally very strong. It has been around for almost 50 years and there are over 100 mills producing it worldwide but it has limited market value and visibility because it is challenging to connect together. It doesn't glue, screw or nail well, especially on the edges, and the contemporary wisdom is that it cannot be used for structural applications.



CNC Cutting Frank has been a cabinetmaker for over 45 years. His design shop uses a computer numerical controlled (CNC) router, a modern technology that cuts all his cabinets quickly and accurately. With the collapse of the building industry in 2008, Frank found the time to take up a long standing dream and began designing furniture to be cut with the CNC router. He was cutting fiberboard because it was the least expensive material he could get to practice with. Gradually he came to respect the many advantages of designing with this exceptional but under appreciated material.

Parts 'Nest' together,
Minimizes Waste.

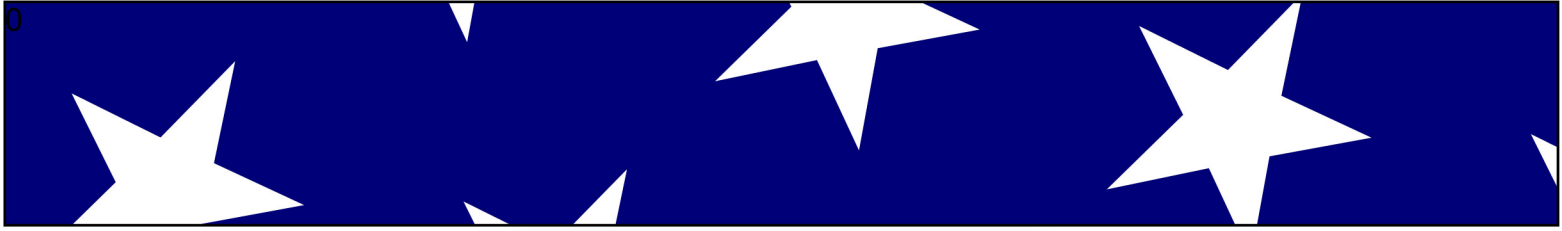




The Key to Everything

The Terrapeg Joint To solve fiberboards' connecting problem, Frank re-invented an old-style carpenters joint, the mortise and tenon with a locking peg, re-designing it so all three parts can be easily cut using the CNC router. This new **Tool-Free Joint** is designed to be assembled without metal fasteners, using just a hammer we cut from the same fiberboard material. This joint defeats the connecting problems of the fiberboard material and magnifies all its strengths. It forms a connection that has proven to be both easy to assemble and surprisingly strong, allowing the use of this exceptional material for structural and even building applications for the first time.





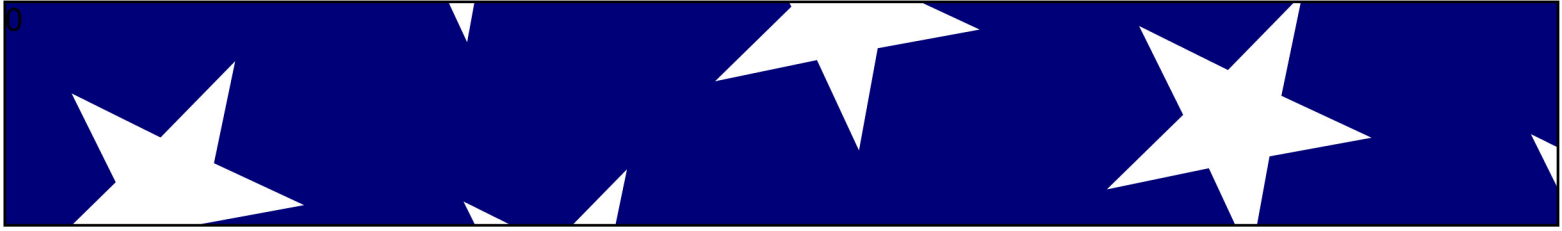
These **three steps forward**, the 'Green' fiberboard material, precise cutting with a **CNC router** and the **Tool-Free Joint**, together create the **Terrapeg Building System**, a quantum leap forward in **new technology**.

There are countless new products, in numerous different markets, that can be designed using the **Terrapeg Building System**. Terrapeg manufacturing is fast and inexpensive in labor, materials and plant set up. We can easily afford to manufacture it in the USA.

Terrapeg is also the rarest thing in the business world, a **Fundamentally New, and Unlimited, Product Line**.



This furnished Terrapeg House can be assembled without tools...anywhere!



Can we build better, cheaper, faster? The old saying goes; choose any two.

How do we get all three?

Can a building (and its furnishings) be versatile enough to be useful for outdoorsmen, disaster relief, displaced populations, developing world populations, military personnel and storage sheds without looking like a greenhouse, oven/box container, tent or yurt?

What would a better, cheaper, faster building look like? What should it do?

Here's a wish list:

- Can be **made quickly** as needed, **sustainably** and **economically**.
- Stacks and **forklifts** to save space. Delivers on-site with a full-size pickup **truck**.
- Is **fast and easy to erect**, without costly resources like power, heavy equipment or **even tools**.
- Can be built by **anyone in hours**, not days or weeks or even months. **No training necessary**.
- Can be built with or **without a foundation**. One may not be available and the need won't wait.
- Is **easily expandable** and easily built longer (adding 4 foot sections) for different needs.
- Can be **secured to the ground** with a simple to install, screw into the ground, tie-down system.
- Uses long lasting, **sustainable materials** that are termite, rust and rot resistant.
- Uses materials that are **fire resistant**, safe and non-toxic.
- Can be **easily modified** with everyday tools to adapt to local needs.
- Can be disassembled, **stored and reused** when necessary.
- Damaged parts are easy to replace as all **parts** of the structure **are standardized**.
- Provides immediate, **lockable security** for those in need and their precious belongings.
- Offers real, **permanent protection** from the elements, not just shade.
- Comfortable in any climate with screened windows and cross ventilation. Easy to heat.
- Provides dignified, familiar looking but most of all, **safe and affordable housing**.





Stacked in assembly order, hammers on top



Build anywhere on any foundation



Two people in about 3 hours



Simple, strong, needs no tools or power



Doors and windows with locks and screens



Easy tie-down system



Terrapeg Sideboard with winerack



Terrapeg Bunkbeds



Simple and sturdy
Can be any size



Student Desk all week...



On the weekend it becomes
a bench / pew



Designs have no metal
fasteners or hinges



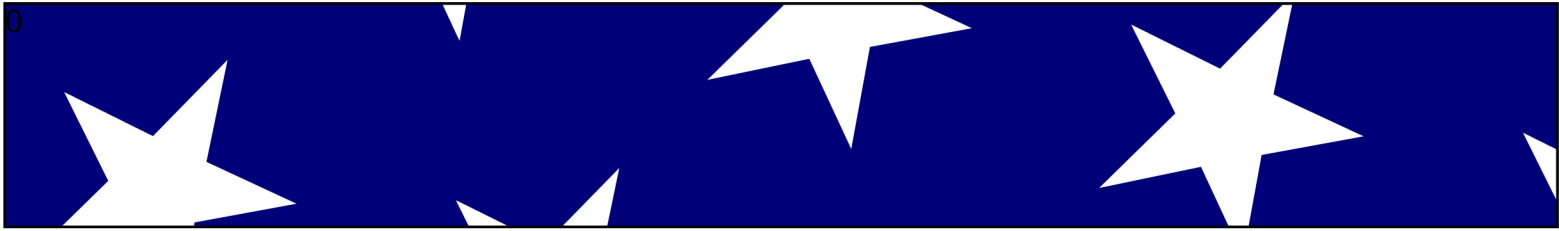
All designs ship flat
and assemble with
a simple hammer
and peg system.



Latest Terrapeg Chair design.
The back recess and seat flap
adds surprising comfort.



Student Desk
with file drawer



Some Final Points

In a recently developed process, fiberboard can be powder coated. This low temperature process takes just minutes from start to finish and comes in a wide variety of colors and textures. The process is inexpensive, fast, requires no sanding, leaves a hard, durable, easy to clean coating and best of all, is environmentally friendly with no VOC compounds.

This means that Terrapeg furniture can be cut from a single common stock and then inexpensively coated with a world class finish in a rainbow of colors, including clear.

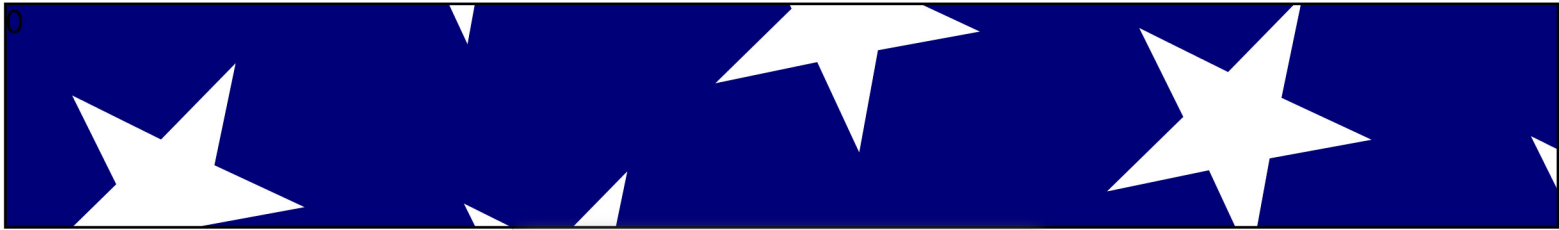
The CNC cutting process also allows logos or point of sale brands to be quickly machine carved into the product before coating.

Imagine school colors and team logos available on easy to assemble (and disassemble) furniture.

The Terrapeg Building System is also well suited to the use of plastic sheet materials like High Density Polyethelene (HDPE). These plastics have unlimited, outdoor applications.

To sum up, Terrapeg manufacturing is GREEN and uses the most sustainable material, recycled wood fiber, cutting is fast, precise, with low labor and no sanding, it's easy to machine carve logos, easy to finish in any color, ships flat pack, is fun for the end user to assemble (and disassemble) with no tools or fasteners, and new designs are limitless! WOW!





Respect the Future

I know it's not ordinary,
but who ever loved ordinary?

Joan Clarke from The Imitation Game

Here's a really important idea: It's now possible to build a furnished cabin, furnished home, school or church...in an afternoon. This concept literally changes everything.

Think about what this means to anyone in need of a secure roof overhead NOW, not next month. When the guys want a cabin for hunting season, or the lake freezes and ice fishing is good, or too many kids signed up for camp and more cabins are needed, or you'd like a dedicated craft room or artists studio, or mom moved in and brought too much stuff with her. When the developing world needs to build new communities or disaster strikes and the homeless are numberless; just forklift a complete, furnished house from a central warehouse onto a truck, drop it off anywhere it's needed, assemble in a few hours, knock the furniture together, move in and lock up.

Shelter In A Day with Terrapeg furniture is inexpensive enough to work with **micro-financing**. As an example, the mortgage payment for a \$7,000 (USD), 15 year note @ 7% would be just \$70 (USD) a month. This is only about \$2.25 (USD) a day! A furnished home for the price of a sandwich! Can you imagine?

Yes...we can afford to address almost anyone's housing needs.



This House has been on cheap pavers on the grass 4 years now and doing great.



This suite of Terrapeg fFurniture has been in this busy deli for more than 5 years.



Respect the Future

Terrapeg Furniture and Shelter In A Day housing are currently offering investment opportunities. We feel that it's unlimited market implications and demonstrated viability are undeniable.

Our breakthrough new technology has rare, built-in adaptability with vast potential in both the developed and developing worlds.

The ability to build a secure, sustainable, green, and long lasting, furnished building in a single day, at **low cost**, completely changes the economic reality of small buildings whatever their intended use.

The Terrapeg Building System represents an emerging revolution in the furniture and many other industries. Given time and the Terrapeg Building System, we could easily develop an endless supply of new, useful and green consumer products, across a wide spectrum of markets.

Terrapeg and Shelter In A Day are technologies that can be transferred in a thumb drive. CNC manufacturing facilities and fiberboard producing plants are already distributed worldwide. Licensed, just in time production means market adaptability, saving time, resources and transport costs.

Terrapeg is the rarest of business opportunities. It is a fundamentally new technology resulting in an unlimited new product line.

OK you made it! Thank You for your interest,

Frank Schooley

Product Designer; Terrapeg Building System & Shelter In A Day

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terrapeg.com Respect the Future

ShelterinaDay.com Basic Human Needs...Simply