

# Imagine...

A better way of building homes



Imagine...

- ... A home that reduces pollution and sequesters carbon.
- ... A home where heat is stored in mass, rather than air.
- ... A home where convection is used to cool instead of Freon.
- ... A single, renewable component that can replace a whole range of energy-intensive, man-made materials such as vinyl, metal, fiberglass, cement, brick.
- ... That such a home would still have the beauty any of these offer.

From what material could such a home be made?

Wood.

Enertia® Building Systems designs homes that optimize thermal inertia- the tendency of massive objects to maintain their temperature. These homes are built using concepts and principles you may already know:

- Wood feels warm. Even when at the same temperature as concrete, sheetrock, or stone, the human body perceives wood as warmer.
- Wood is renewable. It is the only renewable building material with structural spanning properties. It is widely accepted, even cherished, in residential use.
- Wood sequesters carbon during its time as a tree- CO<sub>2</sub> is a necessary feedstock for photosynthesis.
- A wooden home is massive. Up to five times more massive- by mass or weight- than a comparably sized stick-framed home, which means vastly stronger as well.
- Our wood is harvested from Sustainable Forests, often from the thinning operations needed to keep the forest healthy. Two or more trees are replanted for each tree used.
- Life Cycle Cost is the price of a home plus heating, cooling, and maintenance expenses for its lifetime. Stick frame homes only live a few generations, and Life Cycle Costs will quickly eclipse lower construction costs, even calculated at today's interest rates. Enertia homes "live" many generations, and their Life Cycle Cost balances the slightly higher initial construction cost, especially in the face of rising oil and coal prices.
- These homes can be as green as desired. Imagine- starting with a home kit with almost no heating costs, made of certified sustainable lumber, designed to be disassembled at the end of its life, rather than going to a landfill.
- Thanks to modern milling techniques developed by the log home industry, it costs less than a stick-framed home if owner-built. The overall finished cost is nominal compared to the custom stick-built industry: less framing and insulation means much less in labor. And unlike a conventional stick-built home which has to appreciate over time to yield a return on investment, an Enertia home will begin saving money the first month it's lived in.