



WOOD

THE DEMAND KEEPS IT GROWING

Hawaii Lumber Products Association presents
**2007 WOOD AND LUMBER
RESOURCE GUIDE**



Phone: 541-WOOD (9663)
www.HawaiiLumber.com

WOOD: The Demand Keeps it Growing!

BY CARL LILIEQUIST, HPLA MARKETING CHAIR
& CEO OF HONSADOR LUMBER CORPORATION

With an increased emphasis on the environment, today's homeowners are looking for ways to build the home of their dreams and help the environment at the same time. By selecting wood as their framing material, home builders will find they can do both. Plus, their new homes will be affordable, green and renewable, cool and quiet, naturally energy efficient and have increased structural integrity.

The Affordable Building Material

In 2007, nine out of 10 builders will choose to frame their homes with wood. One of the reasons is wood is more affordable than other building materials on the market today. As the only renewable building material on the planet, wood prices maintain a competitive advantage due to the constant availability of wood resources from managed forests where wood is farmed as a crop.

The majority of home builders find labor prices for building with wood are kept low on wood-framed homes, because wood framing requires only commonly used carpentry tools and time-tested techniques, which the majority of contractors are both familiar and experienced with for home framing. Any last minute architectural changes to a wood-framed home are less problematic and can be done at little cost increase due to wood's structural design versatility.

Green & Renewable

Many new home builders and owners are

concerned with the environmental impact of building their homes. Most people do not know that the wood and lumber industry is one step ahead in addressing this concern. Currently managed forests across North America are growing new forest for wood crops at a rate of 2.2 times faster than the rate of trees being harvested. Each and every day over 1.7 million new trees are planted.

“Currently managed forests across North America are growing new forest for wood crops at a rate of 2.2 times faster than the rate of trees being harvested. Each and every day over 1.7 million new trees are planted.”

Just recently the National Academy of Sciences released a study that showed, among 50 global nations with the most

forest land, the United States was among the leaders in greatest total gain in the number of trees and area of forestland. The study also

showed that despite population growth in the U.S., forestland has remained stable while providing for the increased demands. By building homes with wood, home buyers are actually helping the environment by increasing the demand for growing more trees, which in turn provides new, healthy and growing forest lands to absorb carbon dioxide and release oxygen to fight global warming. A true environmental win-win.

Structural Integrity

Under Hawaii's strict building codes and with new processes for treating wood, homes framed and built with wood are engineered to provide proven structural integrity and are safe from rot, termites and deterioration.

“Just recently the National Academy of Sciences released a study that showed, among 50 global nations with the most forest land, the United States was among the leaders in greatest total gain in the number of trees and area of forestland.”

A total misconception about homes framed with wood is that structural wood framing is not as strong as alternate framing materials. However, this just is not true! All homes permitted and built in Hawaii are built using the same approved building code structural standards, meaning one house needs to meet equal design strength as another based on the material specified for framing.

Cool & Quiet

As we have already seen, wood is an affordable, environmentally-friendly and structurally-sound building material. But in addition to all that, wood also provides a cool and quiet home. Wood is a natural insulator that acts as a barrier to noise transferring from room to room. Wood's ability to reduce heat transfer from the sun's heat on the outside wall transferring to the inside of the home can save families living in Hawaii hundreds of dollars every year in energy costs from not having to use air conditioning as much to maintain a cool and comfortable home.

Building with wood also brings a sense of tranquility to a home on top of the cooler temperatures and quieter rooms. Wood homes provide a wide array of architectural options from large cathedral ceilings to a simple deck off the back of your home. When combined with other natural wood accents, like roof decking, molding, flooring, doors, windows, desks, fences and gazebos, a wood-framed home provides the look and feel of a natural and beautiful personalized family home.

Naturally Energy Efficient

Compared with homes built just 30 years ago, the design and construction of today's wood-framed homes are 100 percent more energy efficient. What this means for new homeowners is hundreds of dollars of savings each year in utility bills over the lifetime of their homes. In comparison to steel, which is 400 times more heat conductive, and concrete, which is 8.5 times more heat conductive, standard wood-framed homes require far less energy to heat or cool making them a naturally energy-efficient choice.

As more and more families and builders continue to recognize the many advantages of wood framing and build their homes with both an energy-efficient and environmentally-friendly material, it really is true, the demand for wood homes keeps trees and forests growing!



Confidence in Borate-Treated Wood



BY MIKE FUJIMOTO
CEO & PRESIDENT OF HPM BUILDING SUPPLY

Borate pressure-treated wood provides protection from termites and decay. Wood is the most common building material on earth. It is cost effective, readily available, versatile and the only renewable natural resource. With the addition of borate pressure-treated wood preservatives, wood has the durability necessary for Hawaii. The borate preservative is deadly to termites and fungal decay, but it has very low mammalian toxicity.

Hi-bor borate pressure-treated wood was introduced into Hawaii in 1992 as the state's first borate pressure-treated wood. It has since become the primary pressure-treated wood used for structural framing and sheathing in Hawaii. The quality of the treatment and the proven durability of the Hi-bor products have established borate pressure-treated wood as a material that can be used with confidence for residential and commercial construction.

Many builders use borate treated wood for framing and sheathing. Gentry Homes converted to borate treated wood several years ago. It also is common to see builders using borate treated plywood and lumber in combination with steel framing. The reason they all use it is durability.

Ainsley Ahlo, president of Structural Pest Control, has been involved with inspecting structures built with borate treated wood for a number of years. He states, "People can have confidence in houses properly constructed with borate treated wood. Borate pressure treatment for structural framing and sheathing does protect the wood from termites and decay. Of course proper maintenance and regular termite inspections are necessary for the total protection of the home. Formosan termites are a major problem here in Hawaii, and we must use all precautions. They feed on cellulose, which includes cabinets, trim, drywall backing and even books."

"Hi-bor borate pressure-treated wood was introduced into Hawaii in 1992 as the state's first borate pressure-treated wood."

Borate pressure-treated wood framing and sheathing provide the sound and temperature insulation of wood. Wood is versatile, and wood structures can be modified easily and remodeled. Wood will not rust or collect condensation. The reasons that wood has been used as a building material for thousands of years are numerous. They apply to us today, even as

they did to our ancestors.

The difference is that we have more durable wood today, and we do not have to worry about termites and decay in properly built structures when using borate pressure-treated wood. Just ask Ainsley Ahlo. He has inspected thousands of homes built with borate pressure-treated wood.

The Best Truss Value for Your Project!

- With our recent plant modernization we have doubled the production capacity of our Oahu plant
- Experienced design assistance
- Highest quality roof & floor trusses
- Shortest lead times—**GUARANTEED**
- The only engineered wood floor trusses in Hawaii
- Serving all islands

Honsador Truss



Roof and Floor Trusses (Formerly Ariel Truss LLC)

91-291 Hanua Street • Campbell Industrial Park • Kapolei, HI 96707 • Phone (808) 682-5859
100 Kukila Street • Hilo, HI 96720 • Phone (808) 969-6696
www.honsadortruss.com



Wood Without Worry

BY LINDSAY J. SHINALL, MARKETING DEVELOPMENT MANAGER FOR HAWAII OF LOUISIANA PACIFIC CORP.

LP® SmartSide® proves wood-based siding can survive even the harshest environments.

Hawaii boasts some of the most beautiful scenery in the world. For wood products, it also offers some of the most punishing conditions. Since 1996, LP Building Products has used Hilo, Hawaii, as the ultimate testing site for its engineered siding, LP® SmartSide®, proving a tropical paradise doesn't have to place limitations on a home's exterior design. With an average temperature of more than 70 degrees, high humidity levels and 160 inches of rain annually, Hilo is a breeding ground for wood's worst enemies: moisture, termites and fungal decay.

The LP SmartSide test samples in Hilo have held up under this intense environment for more than 10 years. Testing samples on 45 and 90-degree walls were placed under the intense exposure of moisture and the fierce determination of Formosan termites.

"The 45-degree wall positioning allowed for triple exposure and helped show us how LP SmartSide would perform over the long term," said Ben Skoog, marketing manager for LP's engineered siding business. "Every LP SmartSide sample showed no structural damage."

Wood on steroids? Not quite. LP SmartSide is manufactured from oriented strand board and treated with SmartGuard®, LP's zinc borate-based treatment that resists fungal decay and wood destroying insects. Advanced resins also add to LP SmartSide's superior strength and weather resistance.

For builders and contractors, LP SmartSide is easy to use and installs using standard wood-working tools. The siding cuts just like wood and installs 12

percent faster than fiber cement-based siding. The siding also is manufactured in extra long, 16-foot boards, which



LP SmartSide siding placed on 45 and 90-degree walls in Hilo, Hawaii, for accelerated performance testing.

result in fewer seams on a home's exterior.

True to its superiority in moisture resistance, recent testing by LP also has shown that fiber cement-based siding absorbed 168 percent more water than LP SmartSide over a 21-day exposure period. A structure with 2,000 square feet of fiber cement siding could contain up to 200 gallons of water. A structure



LP SmartSide offers the traditional look of wood siding without the maintenance commonly associated with wood siding.





Untreated wood devastated by Formosan termites (left) and undamaged LP SmartSide product protected with SmartGuard (right) during the same testing period.

covered with LP SmartSide would contain half that amount.

“Water is the No. 1 enemy of an exterior wall system,” said Skoog. “Water penetrating a home’s cladding can compromise the structural integrity of the wood sheathing underneath, potentially causing deterioration of the side wall structure and potentially helping mold growth.”

Fiber cement siding shares similar porosity properties with brick. But, unlike the 1-inch to 2-inch offset used with brick, lap siding products are generally installed directly to the wood sheathing, often with a house wrap in between. When considering a cladding product, builders and consumers should be knowledgeable about how cladding moisture may affect the structure of their homes.

Homeowners who relish Hawaii’s tropical climate shouldn’t have to sacrifice the warm look of real wood siding on their homes. LP SmartSide offers the warm, traditional look of wood without the maintenance and problems commonly associated with wood. It’s also backed by one of the industry’s best warranties. LP SmartSide comes with a seven-year, 100 percent labor and material replacement feature and a 30-year fully transferable warranty.

For more information on LP Smart-Side, visit www.lpsmartside.com.

Quality Wood Products for Hawaii

Lumber • Plywood • Engineered Wood Products
Millwork • Stair Parts • Fypon • Simpson Connectors

RINELL WOOD SYSTEMS, INC.

Call Dave or Audrey Phone: **834-1344**
Fax: **834-1409** • E-Mail: info@rinellwoodsystems.com



Pressure Treated Wood Products

Because not all borate treated wood is suitable for the demanding Hawaiian market.

- Hi-bor®** is the **FIRST** borate pressure treated wood product accepted and approved by the City and County of Honolulu **Section 2317.2 through 2317.14**
- Hi-bor®** is accepted and approved by the ICBO/International Code Council **ER 4890/NER 648**
- Hi-bor®** is quality monitored by Timber Products Inspections **NERQA 275**
- Hi-bor®** is proven and trusted in the Hawaiian marketplace **Available throughout Hawaii**
- Hi-bor®** is warranted in residential construction **20 Year Limited Warranty**
- Hi-bor®** is colorless and odorless with no solvents or petroleum carriers
- Hi-bor®** is environmentally friendly
- Hi-bor®** **Don't accept less. Demand the best.**



4035 Riverside Drive • McMinnville, OR 97128
503/434-5480

Toll Free Fax (888) TSO-WOOD

Wood: Sustainable & D

BY MARK J. MANNING,
U.S. BORAX (RIO TINTO)

Wood is the preferred building material for residential construction in the United States and has been for many years. More recently, alternative materials such as light gauge steel, cement and SIPs (structural insulated panels) have been introduced to replace wood for this application. If wood was being "introduced" as a new building material today, at the start of the 21st century, people would be astounded about wood's qualities and the environmental benefits of this amazing building material. Wood is both strong and lightweight as well as easy to use and convert into other products. Wood requires less energy to manufacture than any other building material and is the only material that is truly renewable. In fact, trees' ability to absorb carbon dioxide and emit oxygen makes wood the only building material that has a positive impact on our environmental future.

The selection of environmentally-responsible building products is a critical aspect of sustainable building. One way to assess the environmental impact of building materials is to conduct a Life Cycle Assessment (LCA), which quantifies the overall effects of a product, process or activity on the environment over its lifetime. When considering building materials and their respective environmental impacts using LCA, wood outperforms both steel and concrete in the following areas: embodied energy in production, emission of greenhouse gases, generation of water pollutants and the release of pollutants into the air.

While wood clearly has a number of environmental benefits as a construction material, all building materials face challenges from the standpoint of durability. The Hawaiian Islands are a beautiful travel destination and an idyllic place to live, yet Hawaii offers some rather severe exposure hazards for all building products. Year-round tropical temperatures, the sun's ultraviolet rays and significant annual precipitation produce moist, humid air, generating the conditions

necessary to challenge the durability of all building materials over time. Wood framing handles the threats from Hawaii's harsh environmental conditions with both positive and proven long-term results. The durability challenge for wood is from fungal decay and, more recently, the Formosan subterranean termite (FST). The FST is established on Oahu and, to a lesser degree, on the outer islands where it is still most closely aligned with port communities, having been "imported" from Oahu.

"In fact, trees' ability to absorb carbon dioxide and emit oxygen makes wood the only building material that has a positive impact on our environmental future."

Despite these extreme challenges, wood building materials in Hawaii have an ally in the form of borate-based wood preservatives. Borates' reputation as a safe and effective defense against wood destroying organisms is well documented for providing effective and long-term protection. Borates are cost effective and easy to use. To protect the Douglas Fir lumber used in Hawaii, the diffusible nature of borates provide a pressure preservative treatment that is capable of completely penetrating this wood species, yielding life-long protection throughout the dimensional crosssection. In wood composite materials like oriented strand board (OSB) and hardboard, borates are added during the manufacturing process to provide preservative-treated materials, which can be used to make engineered wood products.

Today, the public demands that every aspect of designing and building a structure where people live and work be judged on its impact on health, safety and the environment. Borates have an excellent reputation for safety when used as directed to meet Hawaii's building code



*Miyake Concrete
Accessories*



Pacific Wood Laminates, Inc



Durable

requirement, and they have a safety record proven over more than a century of use worldwide. People are exposed to boron as a naturally-occurring trace element when they consume food and dietary supplements and when they drink water from natural, municipal or bottled sources. The major sources of boron in the human diet are fruits, nuts, legumes, vegetables and beverages such as wine, coffee, milk and orange juice.

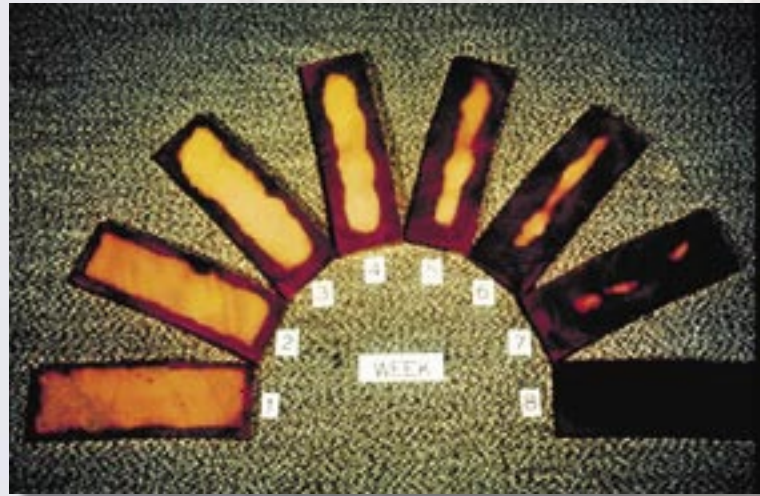
Here in Hawaii, borate-treated wood products have been available to builders and homeowners for a number of years and have undergone rigorous field tests that have been conducted in Hawaii in conjunction with world-renowned scientists in the field of wood protection. Both the scientific field tests and the thousands of homes built in Hawaii with borate-treated wood products serve to demonstrate the excellent durability against both decay and the Formosan subterranean termite.

All of Hawaii's county building departments use the currently approved and adopted Uniform Building Code (UBC) as the basis for the review and approvals of all building permits. Here in 2007, all counties are working to update the approved codes from the UBC to the International Building Codes (IBC). This unifying process has been in the works nationally in an effort to combine the three regional building codes into a single comprehensive code. Both the current UBC and the new IBC utilize and reference wood preservation standards from the American Wood-Preservers' Association (AWPA).

Hi-bor® brand lumber and plywood have been available locally since 1992 and are treated with Tim-bor® Industrial, the most widely used borate-based wood preservative around the world. SmartPanel® is an engineered wood product that is treated with Composibor®, a zinc borate preservative that has been

used since 1993 to provide safe and effective protection for composite wood materials. These products provide proven

and effective tools for the homebuilding industry in Hawaii, allowing the environmental benefits of wood to continue being used as a sustainable building material.



This image demonstrates the diffusible nature of borate preservatives, allowing full penetration of difficult to treat wood species like Douglas fir.

TRUSS SYSTEMS HAWAII

Quality and Service

SIMPSON Strong-Tie Tim-Bor AWPA

- ▲ Maui's Most Experienced Truss Fabricators
- ▲ Commercial and Residential Roof System Design
- ▲ Certified Truss Joist Floor System Supplier
- ▲ Computerized Pre-Cut Wall Packages

Serving Maui and all Islands

Tel (808) 877-0036 ▲ P.O. Box 2037
Fax (808) 877-0731 ▲ Kahului, HI 96733

Wood: The Affordable Building Material

BY LINDSEY M. BASHELOR, PUBLIC RELATIONS ASSOCIATE OF MANA MEANS ADVERTISING AND PUBLIC RELATIONS

Building with wood offers benefits throughout all phases of construction.

In 1641, Jonathan Fairbank moved his family into their new home. For eight generations, members of the Fairbank family lived in the home until the early 20th century when the house was turned into a museum. But what makes this particular home special enough to be a museum?

This house, the Fairbanks House of Dedham, Mass., is a museum because it stands as the oldest surviving timber frame structure in North America. What Jonathan Fairbank knew centuries ago, many homeowners today still discover: Wood is America's most affordable and durable choice for building a home. Across the nation, home builders continually find that wood has high value at a low cost for home construction, is naturally energy efficient and an environmentally sound choice.

"For centuries homeowners have recognized wood as one of the most solid building materials," said Carl Liliequist, a spokesperson for the Hawaii Lumber Products Association (HLPA). "Modern home builders will find that wood still offers the best value for a solid, strong home that has the potential to last for generations."

Throughout all stages of building, wood ranks high on the list of competitively-priced building materials. Wood uses 53 percent less energy than steel to produce into construction-ready form and 120 percent less energy than concrete. Even though almost half, 47 percent to be exact, of all raw material production in the United States consists of wood products, wood requires only 4 percent of energy of all raw materials.

In a 2004 study done by the Consortium for Research on Renewable Industrial Materials comparing construction of both steel and wood-framed homes in Atlanta and Minneapolis, the steel-framed house in Minneapolis used 17 percent more energy than the wood equivalent in a life-cycle assessment, which considers energy needed to produce building materials, construct, maintain and demolish a home.

"Wood uses 53 percent less energy than steel to produce into construction-ready form and 120 percent less energy than concrete. Even though almost half, 47 percent to be exact, of all raw material production in the United States consists of wood products, wood requires only 4 percent of energy of all raw materials."

Wood has the added benefit of its status as a renewable resource. Since 1970, the area of North American forests has increased by 20 million acres and every year 2.15 billion trees are planted. In comparison to steel, which is a nonrenewable resource, the price of wood is consumer driven while steel not only cannot be replaced each year, but steel prices are market driven. Home builders will find prices dictated by the larger steel market, rather than just other homeowners.

Across the nation, nine out of 10 home builders construct their houses using wood. Traditionally, wood always has been a top choice in home framing and construction, for a number of good reasons. Most construction tools are manufactured for use with wood and the majority of contractors are primarily experienced with wood framing.

In areas particularly prone to earthquakes and other natural disasters, some home builders will mistakenly give more consideration to alternative building materials solely because they believe a wood home cannot provide as much protection.

"A common misconception about building with wood is that wood-framed homes are not as strong as steel-framed homes," said Liliequist. "All homes are built to the same set of building codes, so wood homes are equally strong as steel homes."

In addition to its strength as a building



Resboro Growing Today, Building Tomorrow™



Sause Bros., Inc

Seneca Sawmill Company



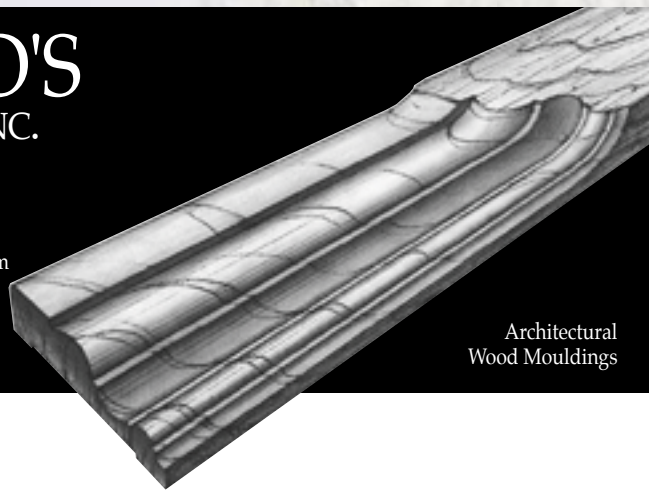
SIMPSON
Strong-Tie



al

BELLO'S MILLWORK INC.

401 N. Cane St. B-3
Wahiawa, Hawaii 96786
(808) 621-7282
Fax (808) 621-7608
www.bellosmillwork.com



Architectural
Wood Mouldings

material, wood also is naturally energy efficient. In the U.S., heating and cooling homes accounts for 50 percent of all utility costs and 15 percent of all energy used in North America. Since wood is 400 times less heat conductive than steel and 8.5 times less heat conductive than concrete, wood homes take far less energy to heat and cool. With energy costs rising across the country, wood helps cut costs through its versatility. Wood framing and wall sheathing can easily be moved in or out to accommodate extra insulation, while wood itself contains excellent properties as a natural insulator.

"Homes framed with wood naturally provide excellent insulation properties, reducing the need for added costs for other framing materials in meeting strict energy code standards, thereby providing an energy-efficient and comfortable home," said HPLA President Hap Person.

COVERING YOUR BIG ISLAND INVESTMENT



Metal roofing and panning manufactured in 12 profiles & 14 standard colors for endless design options.



Truss structures designed and constructed in the largest & most technically advanced truss manufacturing facility in the State.



Lumber pressure-treated locally with Hi-bor® to preserve wood and protect against termites.

Eighty-five years of continuous reinvestment in facilities, technology and expertise, providing you with a dependable source of the basic building blocks for development on the Big Island and statewide. Call us for a tour of our operations and demonstration of our capabilities.

About HPLA

The HPLA is comprised of professionals representing the development and construction industry as well as building material producers and service companies. They are committed to the education and promotion of lumber products as the best choice for home construction in Hawaii. To find out more about building with lumber visit www.hawaiilumber.com.



HILO
380 KANOIEHUA AVE
935-0875
WWW.HPMHAWAII.COM



KONA
74-5511 LUHIA ST
334-4200



WAIMEA
64-1027 MAMALAHOA HWY
885-6036



O'AHU (CUSTOM METAL ROOFING)
1311 KALANI ST #104
841-7633

DIVISIONS OF HAWAII PLANING MILL, LTD.

Meeting Today's Structural Framing Challenges

BY AL HUBER,
COLUMBIA REGION MANAGER, ILEVEL BY WEYERHAEUSER

For thousands of years, humans have used the natural materials found in their surroundings to construct shelter. Among these, wood has been a popular building material across all centuries, continents and cultures. In all of that time, the wood used in home construction changed very little – primarily from rough-hewn timbers to smooth-sawn lumber. For many years, lumber framing practices remained virtually unchanged.

In the past few decades, technological advances have made it possible to take a product with excellent performance characteristics and make it even better. Wood is easy to work with, solid and widely available. Engineered lumber retains those properties and enhances them, often providing builders a better framing solution for the special situations required by modern home designs.

Improving on Mother Nature

A number of engineered wood products are manufactured using wood strands that are laminated together under high pressure. The result is lumber that is consistently straight, offers superior strength and resists bowing, twisting and shrinking.

In the past, some builders avoided



iLevel TimberStrand being used as rim board

engineered lumber because of the perception that it was difficult to use. Engineered wood can be worked using common tools, including standard saws and hammers. Past challenges such as difficulty in driving nails have been addressed through refinements in material composition and manufacturing.

“Engineered wood also is an environmentally responsible choice since it can be manufactured from logs that are not large or straight enough to be of structural value in conventional wood products.”

Engineered wood also is an environmentally responsible choice since it can be manufactured from logs that are not large or straight enough to be of structural value in conventional wood products. Engineered wood utilizes fibers from plentiful, fast-growing trees and the manufacturing process uses virtually every portion of every log to produce strong, straight and consistent framing members.

Uses Throughout the Structural Frame

Several types of engineered lumber using strand technology are available, including iLevel™ Trus Joist® TimberStrand® laminated strand lumber (LSL) from Weyerhaeuser. The product is available for a wide range of applications, including beams, rim board, stair stringers, headers, columns and studs.

While conventional solid sawn lumber works well in many areas of home framing, engineered lumber often is specified for applications requiring tight tolerances and special needs, such as rooms where flat, straight walls are

critical. Engineered lumber provides a straight and stable framed wall, helping to reduce the potential for cracks in drywall, tile and grout. In addition, engineered lumber framing provides a solid surface for installation of cabinets and countertops, reducing the need for shimming. The result is less labor and callbacks. Builders can maximize framing value by using engineered lumber in applications requiring tight tolerances and special needs and conventional lumber in other applications — a technique known as “zone framing.”

Engineered lumber also is enabling easier-to-construct framing for homes with walls taller than 10 feet, popular in foyers, family rooms and great rooms. The design and construction of tall walls provide unique challenges to builders and code officials, because conventional framing practices do not apply. Simply piecing together shorter studs or stacking walls on top of one another results in a weaker structure. TimberStrand LSL is available in long lengths — up to 36 feet — allowing single-length studs to be used in tall walls.

Another framing application that is seeing increased use of engineered lumber is rim board. Rim board is a critical structural link for transferring vertical and lateral loads to the home's foundation, and engineered wood like TimberStrand LSL provides exceptional load carrying performance, including resistance to lateral loads generated by high winds. iLevel offers tools to help builders and dealers select a rim board product and installation details sufficient to withstand wind speeds of up to 120 miles per hour.

Treated Options for Hawaii Homebuilding Challenges

For more than 15 years, builders in the islands have relied on TimberStrand LSL for a wide range of applications. For

builders seeking an edge in protection from termites and decay, a product is available with StrandGuard® technology, in which every strand of wood is coated with zinc borate that treats the product to the core. If you cut, drill or notch the product, you won't have to retreat it — and it's noncorrosive.

Homebuilding has come a long way in the past centuries. Despite the availability of alternate materials, wood is still the most popular choice for most residential structural framing, used in about 85 percent of new homes by some estimates. Builders trust wood, and now engineered wood products are helping them build homes even better — offering the strength, consistency and performance needed for more precise framing.



iLevel TimberStrand LSL



ABOUT ILEVEL™ BY WEYERHAEUSER:

iLevel is Weyerhaeuser's integrated residential framing business resulting in a seamless, unified solution for residential builders through dealers, offering a coordinated network of support for all structural framing materials. By combining Weyerhaeuser's high-quality products and services from well-known brands like Trus Joist and Structurwood, with its distribution and technology capabilities, iLevel efficiently supplies customers with all the necessary components for building the residential structural frame, and solving builder and customer needs around that frame.

ABOUT WEYERHAEUSER:

Weyerhaeuser Company, one of the world's largest integrated forest products companies, was incorporated in 1900. In 2006, sales were \$21.9 billion. It has offices or operations in 18 countries, with customers worldwide. Weyerhaeuser is principally engaged in the growing and harvesting of timber; the manufacture, distribution and sale of forest products; and real estate construction, development and related activities. Additional information about Weyerhaeuser's businesses, products and practices is available at www.weyerhaeuser.com.

PacSource supports the HLPAs in Hawaii for all they do!

Pacific Source has been servicing Hawaii Builders for the past 14 years providing high quality lumber products for wood-framed homes. It's our mission to provide the best in materials and customer service to builders in Hawaii.

From basic framing to a wide variety of finish materials, we are devoted to you.



Tel: (888) 343-1515
Fax: (800) 343-1520
www.pacsource.com