

Automated Builder®

Since 1964

Edition No. 418

April 2006

The No. 1 Engineered Housing Technology Transfer Magazine for Manufacturing and Marketing



Commercial modular producer Profile Structures makes the leap into sophisticated home construction



Fast-growing Ritz-Craft Corp. adding their sixth modular factory in Florida with approved ranch models



Inventor Joe Lanc shows off his permanent - see through - plastic forms for concrete. Ends re-bar and void questions



Carve yourself a pillar, spindle or fancy molding? You can with unique Hotwire foam block cutters



Gastite's stainless steel tubing in polyethylene jacket snakes easily around plumbing obstacles

Also in this issue:

- AB's exclusive 20th annual Market Map with 50 state statistics
- Association for Advanced Home Building is launched with member application
- ARC's formula for HUD communities
- Isogrip: Next step for adhesives

ALPINE 2 PG

4/C SPREAD

PICK-UP

MARCH PG 1

W
r

18-19

Automated Builder[®]

Volume 43, Number 4, April 2006

Phone: (805) 642-9735

Fax: (805) 642-8820

E-mail: info@automatedbuilder.com

Web: www.automatedbuilder.com

Don O. Carlson
Editor and Publisher

Olaf G. Wolff
Managing Editor

Lance P. Carlson
Associate Publisher &
National Sales Manager

Agnes O. Carlson
Circulation Manager

Dean Ebright
Advertising Manager

Scott B. Carlson
Production

Ed Kilfeather
Business Development
678-708-6000

George Rosenbaum
Market Research

ekilfeather@automatedbuilder.com

Keri Mayhew
Office Manager

Automated Builder ISSN-0899-5540, USPS No. 000-869) (Volume 43, Number 4, April 2006) is published 12 times per year on a monthly basis and is distributed without charge to executive and management personnel upon written request in companies that are production (big volume) site builders, panelized home manufacturers, HUD-Code (mobile) home manufacturers, modular home manufacturers, special unit manufacturers, component manufacturers and HUD-Code, modular, panelized and commercial building dealers. Non-industry subscriptions: \$50 per year U.S. and Canada; \$100 per year or \$190 per year for air mail delivery service elsewhere. Single back copies are \$6 each, except for the January edition Buyers Guide, which is \$12. *Automated Builder* is published at 1445 Donlon St., Suite 16, Ventura, CA 93003. Periodicals postage paid at Ventura, CA and additional post offices. Postmaster: send address changes to: Automated Builder, 1445 Donlon St., Suite 16, Ventura, CA 93003. Phone: (805) 642-9735. Fax: (805) 642-8820.

Automated Builder provides management, production and marketing information on all seven segments of home, apartment and commercial construction. These include:

- 1** Major production (site) home builders who use and/or produce housing components.
- 2** Panelized home manufacturers who produce for builders and builder/dealers packaged homes including open and closed panelized homes, foam-core panels, log, dome homes and steel-framed homes.
- 3** HUD-Code (mobile) home manufacturers.
- 4** Modular home manufacturers.
- 5** Component manufacturers who produce floor and roof trusses, wall panels and other components for site builders.
- 6** Special unit (commercial structure) manufacturers.
- 7** Builders and dealers for HUD-Code, panelized and modular homes and apartments and builder/dealers for commercial structures.

©Copyright 2006 by CMN Associates Inc.

The No. 1 Engineered Housing Technology Transfer Magazine for Manufacturing & Marketing
Formerly "Automation in Housing & Manufactured Home Dealer" and "Systems Building News"

"There's No Place Like a Factory-Built Engineered Home"

SIMPSON
STRONG TIE
PU
march 06 PAGE 4

Circle Reader Service No. 2

AB Contents

April 2006



14



16



18



20



26



33



37

Features

- 8.....Concrete Plastic Unit (CPU) Permanent Forms:
A New Way to Build—'Clear' See-Through Skins
- 10.....A Sophisticated Commercial Modular Builder
And California's First to Add Residential Modulares
- 12.....The Cutting Edge: Hotwire Direct
Cuts Classy Millwork from Foam Blocks
- 14.....2005 Housing Market Map; AB's 20th Annual
- 16.....Affordable Residential Communities:
The Way it Ought to Be Done
- 17.....Gastite's Flexible Gas Piping
Cuts Installation Time Up to 50%
- 18.....AB Cruise to Hawaii Learns QM 2
Not Ready for Prime Time
- 20.....Isogrip Adhesive: The Next Step in Adhesive Evolution
- 22.....Ritz-Craft Receives Approval
For Florida Modular Factory
- 26.....New FrameGuard From Arch Wood Protection
Helps Defend Against Mold
- 27.....Oak Creek Homes Provide Infill Homes for
Gulf Coast Rebuilding Effort
- 33.....Association for Advanced Home Building
Launched to Ease Affordable Housing

Departments

- 6.....Carlson's Column
- 27-29..... AB Home Run Homes
- 30.....Newslines
- 36-39.....AB New Products
- 40.....AB New Literature Showcase
- 43.....Classified Ads
- 44.....AB Biz Builders
- 45.....Advertisers Index
- 45.....Coming Events
- 46.....AB Fast Fax Reader Service Page





AB Carlson's Column

Has 'The Age' Arrived? Double-Edged Deficits? Murderous Mold?

By Don O. Carlson,
Editor and Publisher

Has the age arrived? That is, The Age of Engineered factory Home Building? No one knows for sure, but there is some strong evidence in that regard.

For example, in less than the past year, *Automated Builder* has received the highest number of inquiries -- some place over 50 -- from people wanting to start-up panelized or modular home building factories. Actually, this has been the greatest number of inquiries about this subject in at least the past 20 years in a short time span.

Of course, it's possible, you might say, that because of all of the wipe-out of the Gulf Coast states of Florida, Alabama, Mississippi and Louisiana, action of this type is to be expected. However, very few inquiries, in fact only about three -- have come in from the regions wiped out in the Gulf Coast states.

Those that have come from those states are significant in the statements by the people making the inquiries. One builder, for example, from Mississippi said, "You know we are a major site builder and we're getting a lot of demands to get busy and rebuild the destroyed areas. But, we know it would take us more than a lifetime to make even a dent on the destruction that's been wrought by these disasters. So what we must do is start building homes in a factory so we can get them out and in use quickly enough to do the population some good." Of course, the guy is absolutely right.

We've even been beginning to get some inquiries from governmental entities who, before the disastrous hurricanes, probably didn't know that engineered factory-building of homes and commercial buildings even existed. But now, we find that the governmental agencies in the Gulf states are going out of their way to search out buildings that could house high production home building factories. It's a good sign for the inevitable future of this industry. Of course, the majority of the inquiries to *AB* have come in from a far flung number of states, more than 20 to be exact, as well as foreign nations including Canada, Russia and Nigeria.

And, as we pointed out in an earlier editorial, if the Federal Government and its branches were really serious about rebuilding the Gulf Coast south with permanent buildings in about six months, they would simply ask our 6,700 panelized, modular, HUD-Code and component factories to put on a second shift, employ the displaced people from that region and put America's house fabrication colossus into high gear.

Double Edged Deficits?

Year after year it seems that the United States trade deficit with foreign nations keeps hitting higher and higher negative records. The Department of Commerce reported in mid-February that our foreign trade deficit hit an all time high of \$725.8 billion, an increase of 17.5% from 2004 -- which, not so incidentally, was the fourth straight consecutive record for that negative number.

Even as the 2005 record deficit was being reported, our economic analysts were predicting that the 2006 trade gap would be even worse and one group predicted it could go as high as \$810 billion. One economist pronounced this with the world's greatest understatement to wit, "This is a risky time."

Risk is probably the understatement of the eon because much of our deficit in trade is with the nation's from whom we buy tons more material and products than they buy from us. The other side of that two edged cutting sword blade is the fact

that these same nations also buy our bonds to finance our own government's deficits.

Can you imagine the straits the United States of America would be in if, for any reason, whether political or simply whim, these foreign nations decided to quit buying our bonds and/or cash in those which they have? The worldwide picture of collapse is simply too scary to contemplate. So, wouldn't you think that the brain trust in our nation's capitol would soon start working out fair methods to stop our trade hemorrhaging and do it in such a way that would not knock our legs from beneath us?

The Murderous Mold

It's kind of interesting that one of the big flaps currently floating through our nation's Congress is an argument over a \$140 billion compensation fund for victims of asbestos. The Senate, dominated by lawyers, is debating the 'fairness' of such an action. However, the lawyer-dominated Congress is part of that same group who has often said that, "Mold is the new asbestos." In essence, they believe that they can make so much money in class action suits against people who cause illnesses from mold (such as lumber, builders and building material manufacturers) are as good a target if not a better one than those who got enmeshed in the asbestos class action suit merry-go-round.

As is generally known, asbestos is a fibrous material that occurs naturally in nature; but the problem with it is that it is indestructible. Therefore, if you happen to breathe in some asbestos fibers you have a pretty good chance of dying from lung cancer known as asbestosis.

How serious was the asbestos flap? It was sufficiently serious to bankrupt 52 of our biggest building material manufacturers -- including such giant names as U.S. Gypsum, Owens Corning Fiberglas, Johns Manville Corp., and W. R. Grace. An interesting side note is that within the past month or so USG coughed up a colossal \$3.9 billion to settle its asbestos lawsuits while it crawled out of bankruptcy.

So what is all this craziness about mold? There are hundreds and hundreds of varieties of molds that have been with us since probably the birth of the earth. But, several varieties, known generally as black mold, can make you sick or even kill you.

In Southern California within the past year one lumberyard furnished green lumber for the construction of a home. The family that occupied the home had a five year old boy who apparently inhaled spores from black mold which turned him into a vegetable. The doctors deduced what happened to the child so the family sued the lumberyard that furnished the material, the builders, and all subs involved in building that home and won the lawsuit to the tune of \$14.4 million.

It appears that the State of California and similar states in the west and a few other areas in the Midwest should get out of the green lumber business post haste. Plus it appears that builders across our nation as well as component plants, should move rather quickly to treat their cut lumber ready for installation into wall panels or trusses with one of several spray liquids that render the lumber impervious to mildew, mold as well as termites. Two sources for these liquids are WoodSmart's Blue Wood liquid and Arch Protection Products FrameGuard XP. Both products have been reported on in recent *AB* issues and/or in advertising.

What's more, it would seem that the mold/mildew attack on lumber might wake up these somnambulant light gage steel framing vendors to suggest an obvious alternate to wood as the principal skeleton for American homes.

***At Broan, We're in
the Business of Fooling
Mother Nature.***

FOR MORE INFORMATION CALL:
(800) 422-4328 (Ext. 7502)
www.broanhvac.com

Concrete Plastic Unit (CPU) Permanent Forms: A New Way to Build-Construction Made 'Clear'

By Olaf G. Wolff, AB Managing Editor

SARASOTA, FL—Louis Joseph Lanc (pronounced Lance) says he views himself a tad like the 'Man from La Mancha'—they were both spurred on by an 'Impossible Dream.'

Lanc has in fact spent over ten years working towards fulfilling his dream. While most of us choose to dream of euphoric, tropical island scenarios, Lanc dreamt about the perfect steel reinforced, solid concrete wall system.

Lanc, a state certified general contractor, has over 40 years experience in the construction industry. In 1974, Joe and his wife Linda, established Standard Framing Inc. The company specializes in prefabricated wall panels and Space-Joists™, a flat floor joist/truss system. At their peak, the Lancs' had 86 employees. Their company prefabricated and installed the wall systems and floor joists on over 1,300 condominium units for the Ramar Group in and around the Sarasota area.

It was right after hurricane Andrew hit, that the seed of Lanc's dream was planted. "I saw the massive destruction of southern Florida and decided right then, that as contractors, we had a responsibility to start building stronger structures," explains Lanc. Also, it made no sense to him that after these kinds of devastating disasters, structures were generally rebuilt much the same as they had in the first place, yet different results are expected.

As he began developing his notion about the perfect solid concrete wall system, he first listed all the inherent problems related with site-built wood framing and concrete masonry unit (CMU) construction. He often wondered how the ancient Romans and Greeks built structures that have survived over 2,000 years, while modern man can't seem to build anything to last over 200.

Through his research, Lanc discovered that the Romans had used waterproof concrete and they never used steel. Perhaps that was part of the secret, reasoned Lanc. Concrete cracks, allowing moisture to rust the steel, the steel expands from the rust, causing the concrete to crack even more—resulting in structure failure under stress. Lanc was convinced that the way to build a stronger structure had to be keeping it totally waterproof.

Lanc took one of his early learning cues from a method used in the window and door industry. They have solved the problem of wood-rot by encasing the wood in plastic. Encasing concrete in plastic, he figured, would keep it waterproof.

He spent several more years working out the details, the largest of which was, how to connect the forms, making them

The See-Through Forms Major advantages of the permanent clear plastic forms invented by Joe Lanc include:

- Immediate visual confirmation that there are no voids or bubbles in the concrete pours and no missing re-bar.
- The concrete remains waterproof, increasing overall structural strength.
- The exterior and interior surfaces of the forms on the finished structure are smooth, require no interior drywall and can be painted while exterior surfaces can be finished with Acrylic stucco.

strong enough to endure the 150 lbs. per sq. ft. of pressure poured concrete would place on the them.

Feeling assured he was on to something, Lanc returned once more to his research on Greek and Roman history. In his search, Lanc discovered an ancient symbol that intrigued him. He became acutely aware of the symbol all around him, in magazines, on TV, even on a menu in a Chinese restaurant.

Encouraged and accepting it as a sign, Lanc began designing his form system, using this particular symbol. He discovered that if three pieces of 1/8" plastic were configured using this shape, it doubled the plastic's strength, providing enough thickness to hold the 150 psf. of concrete without deflection. Lanc later discovered that the mysterious symbol was indeed the 'Greek Key.'

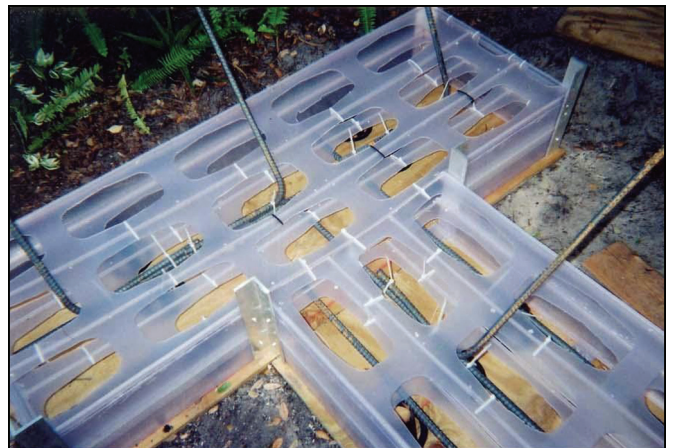
On January 1, 2001, after four more years of laboring, Lanc joined a very exclusive club of inventors who have successfully waded through the patent process—without a lawyer.

Lanc firmly believes his system is the least complex to use and requires far less labor than any other on the market. Plus, his system is waterproof, a claim no other system can make.

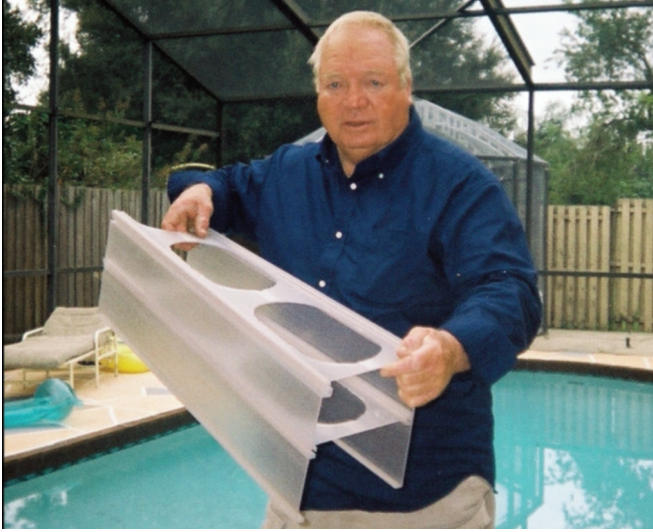
The final CPU construction system is a transparent, easily stored and transportable form for steel reinforced concrete. The CPU is designed to be left in place to protect the concrete and steel from the water intrusion that is often associated with structure failure. The CPU also can be used as an alternative to a concrete masonry units, or CMU.

CMU's are relatively inexpensive and popular with architects and engineers, however, they require a considerably higher level of skilled labor than CPUs and include some other drawbacks that CPUs don't.

Labor costs for CMUs is high because the individual blocks have to be laid one at a time, much like bricks, so that the hollow cells line up vertically to form wells, allowing for steel to be installed and wet concrete can then be poured into the empty cells. The blocks have to be positioned to a string-line and each one has to be plumb. Each unit has to set in a bed of mortar and the ends have to be fully coated with mortar in order to join them together to lay up a wall.



The assembled CPU is 8" high and 7-5/8" wide, but can be cut to any size. Plastic-ties attach the center inserts and steel re-bar.



Louis Joseph Lanc Sr. proudly displaying his invention—the concrete plastic unit—patent number 6,167,669—received January 1, 2001.

It's at this point where problems with moisture intrusion can begin with CMUs. Mortar has a tendency to shrink slightly and may even pull away from the masonry units, causing fine, almost imperceptible cracks at the junction of the mortar and the individual units.

On-the-other-hand, after the concrete pour, the clear plastic units stay in place, which is what makes the structure waterproof. The concrete will still crack inside the plastic forms, but the forms are capable of expanding without cracking, therefore moisture will not penetrate the plastic, nor the concrete. Additionally, by keeping moisture out, you remove the potential for the growth of the dreaded mildew, mold or fungus plaque.

The CPU system consists of four extruded clear plastic PVC (polyvinyl chloride) sections. The sections can be modified, cut to any length, or any angle, on site, to fit any commercial or residential design.

The four sections slide together easily, creating a single unit, or CPU. The assembled CPU's also slide together without difficulty, somewhat like a full-grown construction toy. And, they are stacked one-on-top-of-the-other, akin to a 'Log House,' forming a container/shell that can then be filled with wet concrete and steel.

"When the CPU's are filled with liquid concrete, you are 100% assured that you have a monolithic, steel reinforced, waterproof, solid concrete structure," claims Lanc.

Once the walls have been poured and the roof is installed,



To drive home the point, regarding how easy the CPU system is to use, Lanc shows his grandson, Trevor, how to attach the center inserts and tie re-bar together with plastic-ties.

a bonding agent, trade named Marflex®, is applied using a standard drywall spray rig.

With that application completely dry, generally in about two hours, a high-strength polymer cement mix is sprayed on next, Lanc uses a product produced locally by Marbelite International Corp. This polymer mixture can be finished in any desirable texture—smooth, medium, rough, etc. This final texture spraying process is continued on the inside of the structure, because drywall isn't used and walls are smooth.

Lanc is more than happy to demonstrate how tightly the high-strength polymer mix bonds to his plastic forms. He has, on many occasions, produced a hammer and repeatedly pounded on a test wall with all he's got, yet, he's never been able to knock any of the finish material off.

According to Dawn Faull, Program Manager for the Concrete Home Building Council, a part of the National Association of Home Builders (NAHB), "Builders have been moving towards solid concrete systems for the past few years because they're less labor intensive and they stand up to inclement weather better."

Lanc has witnessed the progression from Concrete Clay Units, to Cinder Blocks and on to modern concrete blocks used in CMU's first-hand—he views his CPU construction system as the next logical step in that evolution. Lanc is completely convinced that his system is water, hurricane and tornado proof and since his roof system does not have roof vents or soffit vents—the roof won't blow off.

It would appear that Lanc has covered pretty much all his bases at this point. He even went so far as to create a DVD documenting the ease of assembly involved with his patented forms. Lanc then mailed his DVD to various architects, contractors and builders and other key players in the FL housing market. He also sent copies to Jeb Bush and Kathleen Harris. Several of the early responses have included the words like 'ingenious.'

When asked why it's taken so long to get his product to market, Lanc responds by pointing out that he's making every attempt to remain as self-sufficient in the development of his system as possible. He has every reason to believe that his patent will be worth a bundle and he doesn't care to risk having, "Some large investor or corporation attempting to take it away," is how he puts it.

For now, Lanc remains busy working towards his eventual vision of total control of his CPU system. Lanc is looking into purchasing a machine to make his own dies, so that he can share his patent through limited partnerships.

He also is working with long-time friend Bill Jerla, who's been instrumental in the entire development procedure up to this point, to set up an arrangement that will ultimately supply the plastic resin to his future partners. And, forever the visionary, he's looking into having his plastic forms made from earth-friendly Soy Oyl™, a product created by Urethane Soy System Co.

For more information on the CPU system circle Reader Service 40.

For more information on Marbelite International Corp. circle Reader Service 41.

For more information on Urethane Soy System Co. circle Reader Service 42.

For more information on Marflex circle Reader Service 43.

Profile Structures, Inc.: A 'Sophisticated' Commercial Modular Builder And California's First to Add Residential Custom Modulares

By Olaf G. Wolff
AB Managing Editor



The entire custom structure is meticulously assembled at the plant and examined before being transported to its residential foundation site.

SANTA FE SPRINGS, CA—The first thing you need to know about Profile Structures, Inc. (PSI) is that it's located on the opposite side of the street from what the computer-generated directions indicate. Not a big deal. But, now you won't have to have an extended 'duh' moment, scratching your head—like I did. The second thing worth noting is that if you have any questions at all about PSI, Santos Ortiz, plant superintendent, is your man. Ortiz has been at the plant over 30 years and he clearly has his finger on the proverbial pulse there.

During my visit Ortiz was overseeing the creation of the first custom modular, in a series that will amount to a total of 36 units, for a two-story commercial structure. An AWS/certified welding inspector was on site full-time, inspecting and X-raying welds along every deliberate step of the way.

This kind of scrutiny and meticulous attention to every detail is unheard of for site-built construction and it's precisely why LivingHomes™ selected PSI—a well established commercial modular firm—to build the first custom designed residential modular home in CA.

"A house is not a home unless it contains food and fire for the mind as well as the body."

This particular quote from Benjamin Franklin is somewhat of a mantra for LivingHomes. This is a new company, founded by people who say they value design, health and sustainability.

"We want to live in homes and communities that respect and reflect these values," says a spokesperson for LivingHomes. "We believe there are lots of other people who feel the same



Workers hot-mop the roof of a reusable modular before releasing it to renters for a temporary site.



View from the second floor sun-room with pre-installed sub-framing and translucent Plexiglas wall. (Top)

way and that our numbers are growing daily." They have every intention of becoming one of the leading home builders focused on this market.

LivingHomes is introducing a new line of homes, created by world-class architects, featuring modern designs, healthy/green materials and at what they claim will be "remarkably affordable prices." They have given a good deal of time and consideration to the concept of how best to use homes and how they should be able to respond to the residents changing needs.

Their home building concepts include many specialized design elements, such as, built-in furniture and mill-work that is highly practical, flexible and as they say—fun.

"Our homes include an unprecedented amount of natural and non-toxic materials and systems that reduce or eliminate off-gassing, mold and other things that can pollute indoor air and water," enlightens their spokesperson.

"And you'll save a bundle on energy bills. We begin by building our homes in specially equipped factories, like Profile Structures, Inc., which ensure unsurpassed quality and that ultimately help to reduce the overall costs and construction waste associated with similar site-built homes," the spokesperson goes on to explain.

They are presently developing a community of LivingHomes in Joshua Tree, near Joshua Tree National Park. This is the kind of location that offers endless views, preserved open space ideal for quiet contemplation and shared facilities that will create safe, fun places for kids and adults to gather, play, chill, learn and live.

Their plans are to begin selling LivingHomes in LivingHomes communities, as-well-as, to individual owners and other home builders.



A Marvel, 16" hydraulic horizontal band saw, cutting 6"x6" sq. tube.

For now though, the first and only, environmentally friendly, custom residential modular on the west coast, is being built at Profile Structures Inc. and Santos Ortiz couldn't be happier about it.

"This is the kind of challenging new project that makes coming to work enjoyable," he says. "I have to believe this new home is going to be very popular and that this is only the beginning of a whole new venture for us."

The blueprints for the home are very detailed and explicit and present a slightly new learning curve daily. The modulars are constructed from standard 4"x4"x1/4", 4"x12"x1/4" and 4"x12"x1/2" steel tubes, but the individual modular sizes and configurations are anything but basic.

Ortiz and his crew have pre-assembled all 10 modulars at the plant just as they'll come to rest on their foundation. At this point every nut, bolt and angled corner is painstakingly examined for exact alignment and fit. Workers also pre-install interior sub-framing, electrical conduits and segments of the insulation. They've also installed two translucent Plexiglas panes into what will become a second floor sun-room.

Overall the house will be comprised of an above average amount of glass. And of course, during this entire pre-assembly process, Ortiz is taking into consideration how the whole thing is going to be transported to its residential foundation.

LivingHomes claims they're not saying anymore for now because they're gearing up for an official fall launch. At that time you'll be able to visit the model home in the Santa Monica, CA neighborhood where it will come to rest. And, you'll also be able to begin purchasing their homes in their designated LivingHomes communities, or custom build one to your own specifications and place in a location of your choosing.

PSI has been a pioneer developer specializing in the fabrication and construction of permanent and re-locatable steel structures, for over 30 years. They employ their own licensed engineers and are scrupulously supervised by the state. Profile's modular building system incorporates pre-engineered, steel-framed, factory-built modulars, for uses ranging from single classrooms and complex school facilities to commercial construction units, as-well-as, medical and fully equipped mobile health-care structures.

Their basic self-contained modulars vary in sizes from 8', 10', 12' or 14' wide and in lengths from 20' to 72'. The units are designed to be joined to each other or to an existing building. Modulars may be arranged in limitless combinations—staggered, placed end-to-end,



The first modular of a new custom design takes the longest, says Ortiz, the next 35 units will be a breeze.

end-to-side and with two-story capability. The modular concept allows for easy disassembly, rearrangement or complete relocation and redeployment.

Although the basic modulars are a PSI staple, it's the custom units that Ortiz says he enjoys most. The first unit in a series of modulars is the most challenging he clarifies. It's on that first one that you work out the right measurements, cut angles and fit "and the entire time I'm looking ahead, figuring out how I'm going to transport the unit,"

explains Ortiz.

Profile Structures, located on a 5.1 acre site, got its start back in 1962 when Edward A. Feser, president, developed a practical re-locatable steel classroom concept composed of three modular steel units. The units were completely factory fabricated, transported on removable under carriages and joined at the job-site to form the classroom complex.

The new steel frame and curtain wall constructed units were architecturally and structurally superior in all respects to the conventional trailer classrooms of the day. The structures were designed in accordance with the state and local building codes and are permitted in restrictive fire districts as Type III and/or Type IV.

Over the years PSI has constructed mobile classrooms throughout CA, from as far away as the San Juan Unified school district in Sacramento, to Simi Valley Unified, on south to the Fullerton Union High School District and many others in between.

PSI has constructed permanent and interim schools, offices kitchen complexes, churches, electronic data processing centers, automobile sales and service facilities, banks, recreational facilities, medical clinics and laboratory units for customers who include many of the country's prominent corporations, as-well-as city, county, state and federal agencies.

The contributing factors that make PSI structures superior are not only the raw steel building materials and the highly experienced workmanship, but also the stringent building codes and constant inspections during every phase of construction.



Strict codes often require full-penetration welds at the joints for structural integrity.



Inside view of the fully-functioning TMACC mobile emergency medical facility.

For more information regarding Profile Structures, Inc. circle Reader Service No. 44.

For more information regarding LivingHomes circle Reader Service No. 45.

The Cutting Edge: Hotwire Direct – Cuts Classy Millwork



The 5500 Baluster Lathe cuts decorative balusters of any design up to 48" tall and up to 10" in diameter.

CLARKSTON, WA—Hotwire Direct™ is a manufacturer of specialized foam cutting machines. The company was established back in 1994, when Tony Rousseau first introduced the 4000 Foam Block Cutter for Expanded Polystyrene (EPS) foundation blocks. Tony Rousseau is the president and owner, his son Ben, is CEO and Gary Simler is the general manager.

Their complete line of hot-wire cutters allow for quick, clean, custom designs in this rapidly growing industry of EPS foam. Arches, columns, bases and moldings can now be cut to very specialized and detailed custom dimensions.

When cutting architectural profiles, Hotwire's technology cuts EPS foam much faster and with greater effective quality than a router or milling machine. Their model 8700 CNC automated foam cutting machine, for example, can produce more than 1,000 units of a 5" trim profile, in less than nine minutes and with exacting detail.

With the included CNC training, in very little time, the model 8700 can have anyone designing and producing parts in the exact quantities required and exactly when they're needed. This fully automated machine is ideal for cutting signage and sculpture, pre-cast molds, architectural elements, protective packaging and display elements.

Their CNC cutting machines increase productivity and design potential so dramatically, that it's not uncommon for customers to expand into larger, more challenging projects and new markets.

Contractors were the first to use the 'cutters' to shape blocks as insulation for houses meeting specific fit requirements. EPS foam has long been recognized as a universal, cost effective medium for foundation block, insulation, decorative mouldings and pre-cast molds.

As a major manufacturer and equipment designer for over 12 years, Hotwire has a good deal of accumulated expertise with high-quality equipment and customer service.

In the time they've been in business the company has gone from being a simple manual block and arch cutter, to producing fully automated computer-numerically-controlled (CNC) cutters. Some training is required in order to effectively operate the new CNC equipment and Hotwire includes this training with every purchase.

The specialized features of the model 8700 include dynamic wire temperature and speed control to maximize cutting speed and minimize burnout on fine details. And, the open-frame design has no obstructive corner posts, providing for easier loading and unloading of materials.

The 8700's integrated multi-wire system stores unused wires on-board the machine, therefore you can go from a single wire operation, to a multi-wire set-up in virtually seconds. The system is capable of traveling completely around a 4' tall block of foam.

The guide system on the 8700 consists of machined bearings and ground and polished rails that are housed within a massive aluminum extrusion, providing for some of the smoothest, most accurate cuts available. A flexible rubber seal opens and reseals with the movement of the wire guide, protecting it from harsh working environments.

The Hotwire 3000 shaper is designed to cut column caps and Bases. Using pre-cut foam blanks the 3000 shaper carves profiles in turned or arced shapes, including tall arced profiles such as balcony surrounds, or fountain pool coping up to 34" tall and arches up to 22" wide at any radius. The 3000 can also produce detailed ellipses and 'S' curves without a hitch.

Over the years Hotwire has developed many specialized foam cutting tools, from a portable table top version, to a baluster lathe and 4' and 8' internal lathes, as-well-as, accessories like hot knives.

One constant over the years has been their customer service, as the company puts it, "In the specialized field of hot wire foam cutting it's important to be backed by people who really understand the industry."

Hotwire Direct continually looks towards the future, they're currently developing a large envelope three and four axes router carving machine. They also are in the process of reaching a slightly different market, by working on a coating machine, geared for the stucco industry.



The 3000 shaper carves profiles in turned or arced shapes—from a 24" diameter column base to intricate gothic arch and 'S' curves.



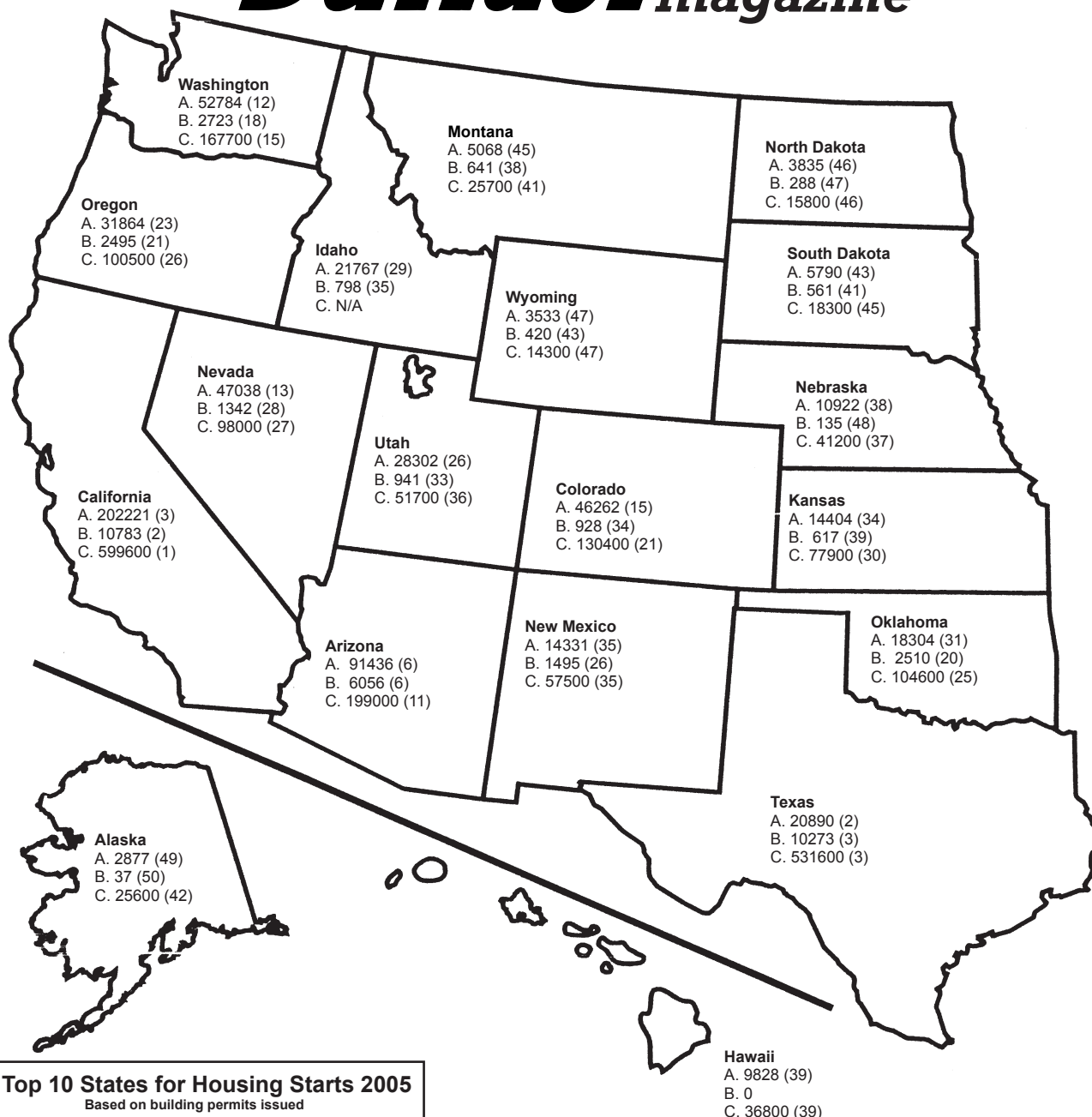
The 8700 with dynamic wire temperature and speed control maximizes cutting rates and minimizes burnout on fine details

For more information on Hotwire Direct Machines circle Reader Service 46.

KOSKOVICH
1P
4/C
“YOURS FREE”
DISK

Exclusive

Automated[®] Builder_{magazine}



(A) Top 10 States for Housing Starts 2005

Based on building permits issued

State	Total	% of U.S. Total
1. Florida	285,062	13.3%
2. Texas	208,980	9.7%
3. California	202,221	9.4%
4. Georgia	104,659	5.0%
5. North Carolina	100,220	4.9%
6. Arizona	91,436	4.2%
7. Illinois	67,852	3.1%
8. Virginia	60,956	2.8%
9. New York	59,386	2.8%
10. Ohio	55,237	2.6%

Totals: 1,236,009 U.S. Total: 2,147,617

Source: U.S. Census Bureau

KEY:

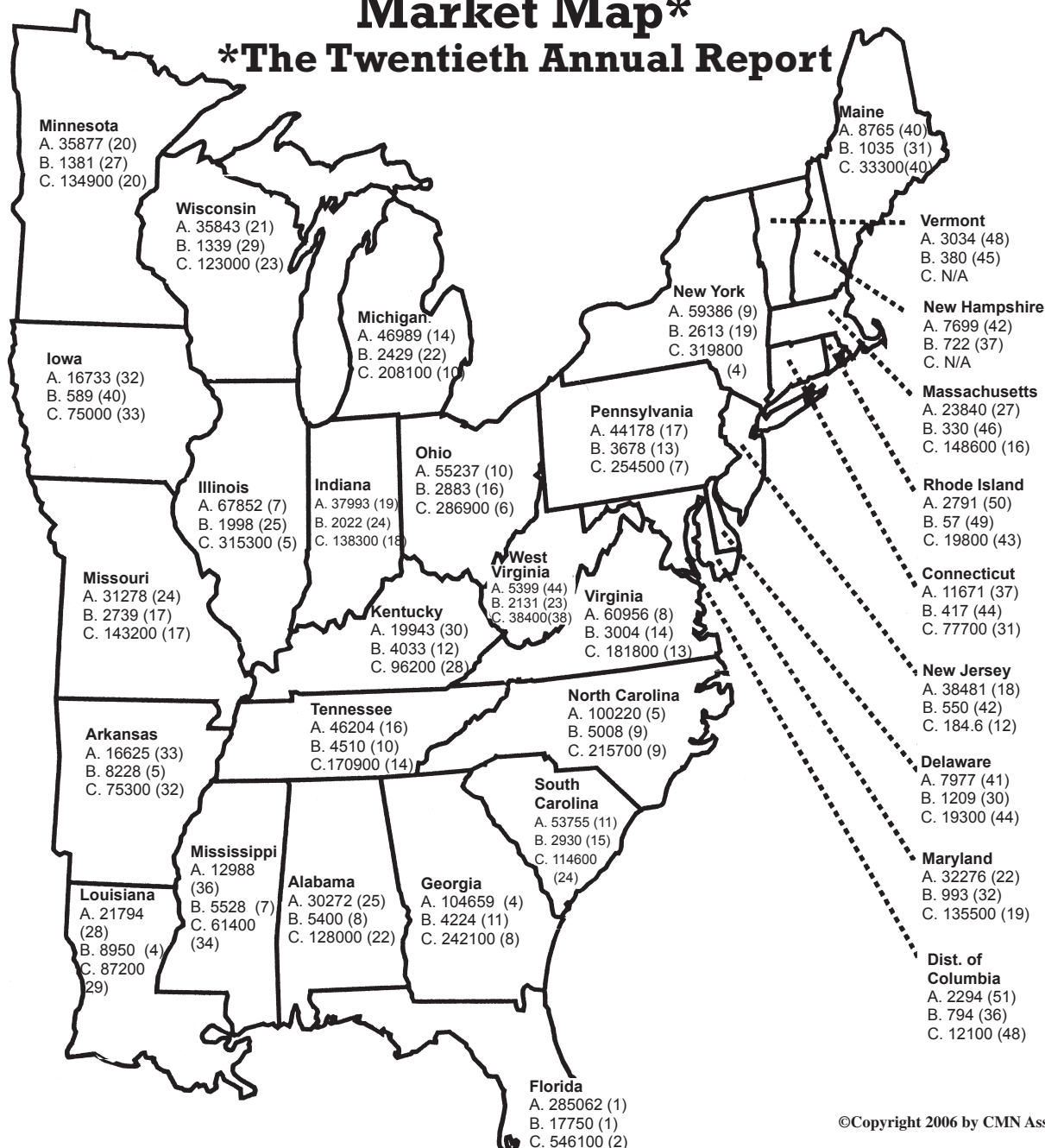
A. Estimated building permits issued.

B. HUD-Code home shipments.

C. Existing home sales.

2005 U.S. Housing Market Map*

*The Twentieth Annual Report



©Copyright 2006 by CMN Associates, Inc.

(B) Top 10 States for HUD-Code Home Shipments 2005

State	Total	% of U.S.Total
1. Florida	17,750	12.1%
2. California	10,783	7.3%
3. Texas	10,273	7.0%
4. Louisiana	8,950	6.1%
5. Arkansas	8,228	5.6%
6. Arizona	6,056	4.1%
7. Mississippi	5,528	3.8%
8. Alabama	5,400	3.7%
9. North Carolina	5,008	3.4%
10. Tennessee	4,510	3.1%
Totals:	82,486	56.2%
U.S. Total:	146,744	

Source:

The Manufactured Housing Institute



(C) Top 10 States for Existing Homes Sales 2005

State	Total	% of U.S.Total
1. California	599,600	8.5%
2. Florida	546,100	7.7%
3. Texas	531,600	7.5%
4. New York	319,800	4.5%
5. Illinois	315,300	4.4%
6. Ohio	286,900	4.0%
7. Pennsylvania	254,500	3.6%
8. Georgia	242,100	3.4%
9. North Carolina	215,700	3.0%
10. Michigan	208,100	2.9%
Totals:	3,465,200	49%
U.S. Total:	7,072,000	

Source: National Association of Realtors

Affordable Residential Communities (ARC): Manufactured Neighborhoods; The Way it Ought to Be Done!

By Paul Sedan
Freelance Writer

RALEIGH, NC—This is one of the last places you'd expect to see a trailer park. This Southeast high-tech area is home to three of the region's most prestigious universities (Duke, NC State and UNC-Chapel Hill) as well as pharmaceutical companies, research groups and the state capitol. Land where local farmers used to grow tobacco, now grows sophisticated suburbs and local malls tout the presence of Saks Fifth Avenue, along with other tony retail chains.

Yet, as you drive out Capitol Boulevard, one of Raleigh's busiest thoroughfares, the road necks down to a two-lane blacktop and you suddenly come to Foxhall Village. Foxhall is one of the 315 manufactured-home communities owned by the Denver-based Affordable Residential Communities.

ARC—as it is known to its employees, residents and shareholders (it's a publicly-traded real estate investment trust, or REIT), both sells and rents manufactured homes in its communities.

Started in 1988 by CEO Scott Jackson—who bought his first two parks in Cheyenne, WY from his parents—ARC currently has a presence in 27 states. It's based on the idea that "...the American dream of owning a home is something that should be affordable and achievable at all income levels."

But, what ARC does is turn sows' ears into silk purses. Stereotypes of the trailer park abound in American mythology—sometimes living up to people's worst expectations. However, Jackson's model is to challenge these preconceived ideas by buying run-down trailer parks and turning them into family-oriented communities. ARC accomplishes this by diligently evicting unruly and delinquent tenants, replacing under-performing managers and building community facilities that include swimming pools, play areas, soccer fields and basketball courts.

Russ George, a Foxhall resident, agrees that the concept works. He says that when his family moved in two-and-a-half years ago the community was in pretty bad shape. One-third of the homes were vacant and there were a lot of gang-related problems. When ARC took over ownership, things began to change. They spruced up the entry, introduced new signs, built a pool and playground and replaced the problem tenants.

George says he was skeptical at first, but soon became a believer. "It just doesn't feel like a trailer park," he says. "ARC has made the entire place more community-oriented. They took out a lot of the older homes and have brought in 40 new homes in the last three months."

George, who moved to Raleigh from upstate New York, is also pleased that his monthly rent is less than the taxes he used to pay on a home he owned in New York. And, he notes, Foxhall Village not only is a great place to live, but is in a good location, putting him close to his work and enabling him to have a base from which to scout out a single family home later on.

ARC's mission to provide affordable housing focuses on today's manufactured home to meet the company's goals. However, they go it one step further by controlling the environment in which the homes are placed. "Think of us as the manufactured housing equivalent to today's suburban gated

community," says ARC spokesman Steven Shapiro. "We realized early that an attractive, well kept location would draw people who would make our communities more stable and more profitable," he added.

The Hispanic community in the U.S. seems to bear out this philosophy. They are very receptive to ARC's approach and, in fact, are the target of aggressive marketing by the company to fill its parks in some markets. Jackson says that Hispanics make ideal candidates for manufactured housing. He notes that company research shows Hispanics tend to have reliable payment habits, are interested in maintaining nice communities and 'tend to do business by word of mouth,' thereby pulling in family members and friends into parks.

At Foxhall and some other ARC communities, the company even has the local community college coming in to give ESL (English as a Second Language) courses at the community center.

ARC presently buys homes from Fleetwood and Clayton. Under ARC's 'lease to purchase' program, a resident puts down \$999 and then pays \$100 a month in addition to rent until the house is paid off. The company also finances home purchases through its Enspire subsidiary and charges interest rates of 10 to 12%, which it says is relatively low, given the typical high-risk profile of its customers.

ARC's largest footprints are in high-growth areas like Dallas (TX has 50 communities) and Atlanta (GA has 16)—coincidentally areas with major growth in the Hispanic population. When asked about future growth, Shapiro replies that the company is in "an operations mode versus an acquisitions mode."



The Foxhall community center is family oriented and features a full-sized swimming pool.

For more information regarding ARC circle Reader Service No. 47.



Playground at Foxhall is safe, clean and well maintained for year-round enjoyment.



This street sign at Foxhall Village says it all—happy residents—happy children.

Corrugated Stainless Steel Tubing in Polyethylene Jacket: Gastite Flexible Gas Piping Cuts Installation Time Up to 50%



Automated, computer-controlled machines encase corrugated, stainless steel tubing in a polyethylene jacket.



Great flexibility of Gastite's tubing enables swift installation around the multiple obstacles found in modern homes and commercial buildings.

SPRINGFIELD, MA—Gastite, a division of the Titeflex Corp., is said to be the nation's largest producer of flexible corrugated stainless steel tubing (CSST) which is used to supply natural gas or liquefied petroleum in new residential construction as well as in a wide range of commercial and industrial applications. CSST has revolutionized the gas distribution business rendering conventional black-iron pipe as obsolete as the hand pump and horse-drawn carriage.

Why have so many contractors, builders and developers switched to CSST over the past decade? Because a Gastite system installs in a third to half the time of rigid black-iron pipe, even with fewer installers. Back-breaking iron-pipe projects that demanded eight or ten laborers for all the lug-ging, cutting and threading can now be handled with ease by only one or two certified CSST installers; that's no small consideration in today's tight, skilled-labor market.

Gastite Offers Builders Key Benefits

No fabrication. Gas-distribution lines often involve long and complex runs with numerous bends and turns. Every time a black-iron line must maneuver around a joist, a soffit, ductwork or another utility line the pipe must be cut and a new connection made. Lightweight and flexible Gastite simply and smoothly bends around such obstacles eliminating all those labor-intensive connections and the heavy, messy equipment you need to make them.

Fewer fittings to avoid leaks. With its long continuous runs Gastite requires fewer fittings. That means fewer opportunities for dangerous leaks as well as easier testing at the end of the installation and a safer and more secure system.

Easier handling. Pre-marked by the foot, Gastite tubing is shipped in 150' and 250' coils for easy measuring and routing on the job. A reel of 1/2" tubing weighs less than 40 lbs. One installer can handle an entire house.

Nationwide acceptance. Recognized and approved by model code bodies throughout the United States, Gastite is

made of rugged but flexible 304, corrugated stainless steel that is enclosed in a protective, UV-resistant polyethylene jacket. Design-certified by CSA, Gastite tubing ranges from 3/8" to 2" in diameter, able to handle residential projects of all types and sizes.

ISO 9001-certified. Frequent regular quality checks are standard procedure at Gastite. Every inch of tube is inspected and 100% pressure-tested before it leaves our manufacturing facility in Springfield, MA. Quality control provides traceability on every coil made, right down to the raw material. Gastite's team of engineers is dedicated to maximizing productivity and minimizing scrap, to provide the highest quality at the lowest cost. Product returns due to defects are calculated, not per 1,000' or even 10,000' but per 1 *million*' shipped.

High fill rates. You never need to worry about running short of Gastite. Gastite has built a state-of-the-art supply-chain system to keep pace with the fast-growing demand for flexible gas piping nationwide. The network of warehouses routinely stocks in excess of 1 million' of CSST, while carrying ample supplies of 300 different components that fit a wide variety of applications. Rigorous monthly forecasting — *by part number* — enables shipping 95% of orders complete and on time, with lead times averaging five days. And, if you find yourself in a jam, let Gastite help with same-day shipment.

Our goal is to provide the highest-quality CSST and components you need, wherever and whenever you need them. The bottom line for you? Lower labor costs, higher profits and sharply improved productivity.

For more information visit the Gastite web site at www.gastite.com. Or circle Reader Service No. 48.



The Queen Mary 2, a fabulous ship with a staff unready for prime time.



The gathering of the group which participated in the *AB* fun/business cruise from Los Angeles to the Hawaiian Islands and back. Front row (seated), left to right Richard Malm, Poh Lin Toh, and Judy Guth. Standing, left to right, Ed Starostovic, Marilyn Starostovic, Tom Wienen, Elaine Zahurak, Shirley Einsweiler, Eric Einsweiler, Thomas Carrino, Connie Wienen, Andre Fontaine, Rosemary Fontaine, Don O. Carlson, Jerry Koskovich, Marlyce Koskovich and Susan Zamuto, Plaza Travel. Not available for the photo were Natalie Lieb, Virginia Pfile, Francis and Virginia Russell and Agnes Carlson.

AB Cruise to Hawaii: Learns Queen Mary 2 Not Ready for Prime Time

VENTURA, CA—About 22 individuals from the engineered building industry accompanied the editor of *Automated Builder* magazine on a cruise on the Queen Mary 2 from Los Angeles to the Hawaiian Islands and back in late February and early March.

The main lesson learned by the people on the 'fun/business' cruise was that the highly touted Queen Mary 2 as a cruise ship has a long way to go to be ready for 'prime time.' While there's not much doubt that the QM2 is a floating palace, it is a 1,157' marvel from one end to the other in terms of facilities, decoration, art work and extra facilities, the fact remains that the service staff needs another few years to get their acts together. Having done about a dozen of these fun/business cruises all over the world, we learned that the service on this Cunard line ship was by far the worst of any of them.

The dropped balls by the QM2 staff ranged from virtually zero correct communication between the shore staff and the ship staff regarding details (one side said it was sailing at 4:00 p.m. the other at 5:00) to rather bad food over-cooking, to lack of a wheelchair for one guest which had been promised by fax; it was never delivered - thereby confining the female passenger to her cabin for the duration of the cruise. One flower bouquet ordered for departure day was delivered late on the third day.

It was certainly too bad that so many dozens of things that went wrong in terms of staff service (three out of four room service breakfast orders were incorrect) and you begin to

wonder whether the crew was believing too much in their own rave publicity.

No matter where this ship docked on the mainland or the Hawaiian Islands, quite literally thousands of people lined the shores to just look at it and it was always surrounded by curious tourist boats. One strange thing was that at each port the ship was guarded by a Coast Guard cutter plus a plethora of armed police boats and on a couple of occasions helicopters overhead. You had to wonder whether some terrorist group had recently sent a genuinely nasty note to the ship's captain.

However, as for the facilities on the ship, they would be hard to beat. On the top deck alone was a full-size tennis court, a golf driving range, a full-size basketball court, a sundeck accommodating about one thousand people and a swimming pool to match. And, adjoining was a helicopter landing pad.

One thing that really turned off some of the Americans was the fact that the really 'rich folk' who had cabins on the top decks had their own private dining rooms and their own private sun decks.

As for the industry lectures by the *AB* staff, they were well-received and covered the state of the housing industry, current statistics, the FEMA/HUD-Code debacle in the South, breakthroughs in solar electricity generation, major modular opportunities, the need for code oversight committees and the gathering storm clouds over mold and mildew in new homes.



COUNTRY LIVING'S
2006 HOUSE OF THE YEAR



COUNTRY LIVING'S
2005 HOUSE OF THE YEAR



Don't just build homes... build dream homes.

With Genesis Homes, you can. That's because for years we've been offering builders the innovation and technology they need to continue to do what they do best.

Our off-site construction process eliminates the risk of weather damage to materials, and increases the ability to provide quality-built homes in less than 90 days. What's more,

Country Living Magazine has selected Genesis to build their 2005 and 2006 Home of the Year.

Proof that when you build with Genesis, you're building with the best! To learn how you can start building with Genesis Homes today, call us at 1.877.241.1267, or visit us online at genesishomes.com.

CALL TODAY— 1.877.241.1267
OR VISIT genesishomes.com

Circle Reader Service No. 5

Automated Builder®


GENESIS®
HOMES
by CHAMPION

Build Better. Build Faster.

The strength of Isogrip adhesives is not only in their bond but also in their durability. Long-term durability tests show that Isogrip adhesives can meet strict building code regulations.



ISOGRIP Adhesive — the Next Step in Adhesive Evolution

DUBLIN, OH—Adhesives have had a long history. Throughout that long history technological advances have transformed adhesives from a beginning of tree sap and tar, to very sophisticated molecular compounds that provide extreme bonding capability.

Most agree that bonding capability is the key attribute for adhesives, but the next logical step in adhesive evolution is the ability to customize adhesives to meet demanding individual customer needs.

The scientists at Ashland Specialty Polymers & Adhesives made that next step possible when they developed Isogrip® adhesives. The unique chemistry of Isogrip adhesives allows Ashland representatives to bring a range of customized solutions to customers.

Isogrip adhesives have the ability to provide strong lamination bonds for a wide variety of panel lamination applications. Applications for Isogrip adhesives include architectural panels, exterior entry doors, patio enclosure panels, refrigerator cooler panels and structural insulated panels, International Code Council (ICC) building code approved panels and more. The list continues to increase as new applications for Isogrip adhesives are developed.

“Because Isogrip adhesives have the ability to be customized, we’re seeing more and more uses being developed for this technology,” says Tom Stewart, Ashland product manager for Isogrip adhesives.

“We’re very excited about Isogrip products, not only because of their versatility, but also because they are among the most user-friendly products you’ll ever use,” Stewart adds.

The strength of Isogrip adhesives is not only in their bond but also in their durability. Long-term durability tests show that Isogrip adhesives can meet strict building code regulations. Ashland scientists conduct thorough testing to meet regulatory requirements, and they also invite third-party oversight to ensure objectivity and accuracy of results.

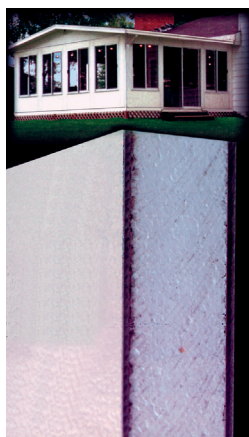
Ashland follows guidelines of the American Chemistry Council’s Responsible Care® initiative and is committed to product and environmental stewardship. Isogrip adhesives feature some of the lowest levels of volatile organic compounds (VOCs) and are formaldehyde free, making them extremely user friendly. Isogrip adhesives can be applied using most conventional techniques.

Scientific innovations have taken adhesive technology a long way from its humble beginnings. Ashland is recognized as the industry leader in the development of adhesives and adhesive systems. Isogrip adhesives continue an innovative trend in high performance laminating applications.

For more information on Isogrip adhesives, circle Reader Service No. 49.

A versatile adhesive to meet multiple applications?

Think ISOGRIP® adhesive!



Ashland's ISOGRIP adhesive can be used to laminate porous and non-porous substrates. Typical lamination applications include architectural panels, exterior entry doors, patio enclosure panels, refrigerator cooler panels, structural insulated panels, ICC code approved panels and a variety of other panel lamination applications. ISOGRIP adhesives meet the demands of a variety of core materials and skin substrates. For more information, contact an Ashland account manager at 1.800.322.6580, or visit us online at <http://www.ashchem.com/ascc/specialty/building.asp>.

ASHLAND®



Responsible Care®

Environmental Stewardship • Operational Excellence • Innovative Solutions • Global Team

Ritz-Craft Receives State Approval To Construct Florida Manufacturing Facility For Building Modular Homes



This 2,218 sq. ft., three modular sections front-to-rear, ranch style home—featuring three bedrooms, two baths, a fireplace, a kitchen with 42" overhead cabinets, plus an additional 1,048 sq. ft. of 'bonus space'—is scheduled to be constructed in Ritz-Craft's new Florida manufacturing facility.

MIFFLINBURG, PA—Paul D. John, president/CEO announced that Ritz-Craft Corp., a leading builder of modular homes, will begin to build modular homes for the state of FL.

"Ritz-Craft has obtained approvals from the state of FL to build modular homes and we fully intend to build a new 200,000 sq. ft. modular manufacturing facility somewhere in the state," explains John. The plant will create over 250 jobs and bring an investment of about \$10 million to the state.

This announcement was made to the industry a little more than six months after the opening of Ritz-Craft's fifth state-of-the-art 200,000 sq. ft. modular plant in Hamlet, NC.

and closet organizers, molding, siding, roofing, flooring and many other custom building materials.

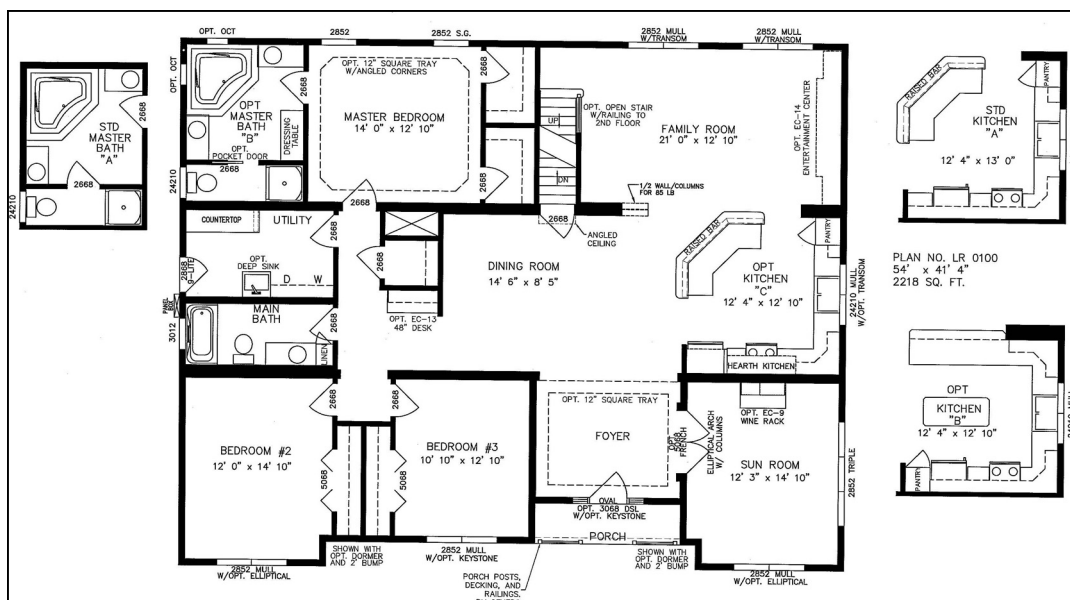
Ritz-Craft also introduced two new product series that were created specifically for the southern market, with a built in porch and dormer options.

The Carolina Elite Series boasts 36 innovative ranch, cape and two-story designs, while the Legacy Series offers larger square footage plans and higher standard specification such as 9' ceilings, 42" overhead cabinets, 3/4" case and 5 1/4" base moldings, fiberglass exterior doors and 30 year architectural shingles.

Ritz-Craft of NC will ship homes to the FL market until a builder network and plant can be built.

"We're looking to establish partnerships with experienced modular and site built home builders who are interested in long term business relationship," said John. "We love building the American dream and are looking for people who share our passion."

For more information on Ritz-Craft circle Reader Service 50.



Builders asked...we delivered!



32 foot wide hip roof design

Top builders in every market are attracted to Ritz-Craft because we deliver the products, the services, and the craftsmanship they ask for. That's why America's largest family-owned modular company has continued to expand from its Pennsylvania-based business to the Midwest and now into the South with a new 200,000 square foot modular super plant in Hamlet, NC.

- **9/12 Hip Roofs & Complex Roof Designs**
- **Custom Home Designs**
- **9-Foot Ceilings**
- **Corian and Granite Countertops**
- **Custom Cabinetry**
- **Rounded Walls and Tray Ceilings**

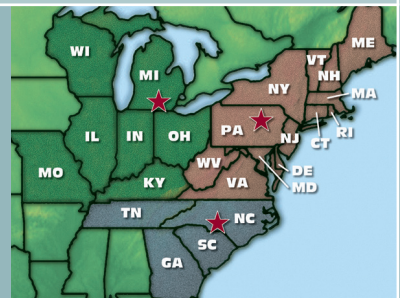


If you're looking for winning home designs and innovative exterior and interior options, call us today.

Northeast – 800-326-9836

Midwest – 877-878-4025

South – 866-870-4857



WE CONTINUE TO REACH HIGHER LEVELS

MITEK HELPS US



For decades, the MiTek culture has been grounded in building successful relationships. Now we have taken our commitment to our customers to an even higher level. You'll see that commitment reflected in the innovative results of our developments in software, engineering services, equipment and connectors. And you'll see it in our people who share a sincere,

OF PERFORMANCE IN OUR BUSINESS. **GET THERE.**



company-wide dedication to enhancing the performance of your business.
It is the focus of everything we do. Now and for the long run. Our purpose?
To bring your business the "Power to Perform."

Because your success is our success.

www.mii.com

Circle Reader Service No. 8

MII
MiTek[®]
POWER TO PERFORM.

New FrameGuard Coating:

New Concept Helps Defend Against Mold



Distinctive green color indicates wood products are coated with FrameGuard protection against mold, mildew and termites.

SMYRNA, GA —Just mention ‘mold’ and many people get panicky. Homeowners worry about odors and health effects. Lumber dealers can’t easily sell wood with mold or discoloration and contractors and component manufacturers are fearful of costly product liability claims.

Whenever there is dampness, agreeable temperatures and a suitable substrate there is an opportunity for the growth of mold. However, prevention is possible and the application of effective inhibitors to wood products can reduce or prevent mold-related problems.

Recently, Arch Wood Protection, Inc. introduced FrameGuard™ coating. Factory-applied by either spraying or dipping, this coating provides protection from mold, termites and fungal decay when applied to trusses, lumber, plywood, OSB, wood I-beams, SIPs and other wood products that are used in interior applications.

Wood Protection, intends to maintain a high level of performance for the coating, so it has mandated application under controlled conditions. It is not applied at jobsites. As a result, this coating offers a significant opportunity to truss plants, component manufacturers, and lumber yards that become licensed applicators of the FrameGuard coating.

Furthermore, the companies that coat the wood and the contractors who install it can benefit from making a conscious effort to eliminate mold. By reducing the potential for mold growth, FrameGuard treated framing components can reduce your exposure to costly product liability claims.

FrameGuard coating is a blend of anti-mold and borate

chemicals. This combination keeps lumber looking cleaner and brighter during storage and construction, thus precluding dissatisfaction and exchanges. This is especially important to truss and component manufacturers whose end products tend to be exposed to the elements longer than other framing materials. The borate component is particularly effective against decay and also protects against termite damage. For easy identification, a green colorant is added to the solution, making its use obvious and minimizing potential market place confusion with traditional borate pressure-treated wood.

The equipment needed to apply the coating is compact and off-the-shelf; a dip tank or spray box, along with wood handling equipment, pumps and storage tank. Engineers from Arch Wood Protection can advise applicators on integrating the equipment into existing truss and component systems or design a stand-alone system, whatever is required.

The coating is manufactured and backed by Arch Wood Protection, Inc., a leader in wood preservation technology and part of Arch Chemicals, Inc. Arch wood Protection, Inc. produces various wood treating chemicals and licenses widely known brands of pressure-treated wood including Wolmanized® fire retardant treated wood.

Companies interested in exploring production of FrameGuard coated lumber of components are invited to contact Arch Wood Protection, Inc. Circle Reader Service No. 68.

Oak Creek Homes Provides Infill Homes for Gulf Coast



Oak Creek Home Model 8059 is 1,450 sq. ft. with three bedrooms, two baths, an island kitchen and a front porch was displayed at the Baton Rouge, LA. Gulf Coast Housing show.

HOUSTON, TX—Before Hurricane Katrina hit the gulf coast, Mitch Cannavino, owner of Regency Homes, a home center just north of Gulf Port, MS, did a steady business in HUD Code homes and sold about five to ten modular homes for infill. It was a niche business for Cannavino.

However, when Katrina hit, the arithmetic changed.

Today, Cannavino reports he already has ten solid contracts for infill modular homes in Paschristian, MS, and has five more in the pipeline, with another ten requests for information coming in every day.

Cannavino attended one of the recent Gulf Coast Housing Conferences sponsored by the Manufactured Housing Institute and discovered a model by Oak Creek Homes, an American Homestar Corporation company, that met his needs for replacement housing. He liked the home because it had a lower price point than some other modular products he carries and yet had all the same amenities.

"My customers are very interested in the Oak Creek house," he said.

Oak Creek Homes benefited from its aggressive move to meet the needs of homeowners recovering from the hurricanes Katrina and Rita, and shipped its first modular home to Mississippi in March from its Fort Worth, TX, manufacturing center.

"Oak Creek's modular homes can be built much faster than site-built homes, and are built to the state building code which means the house is constructed to withstand 140 mph wind loads," said Mark Eastham, VP of business development.

"This allows us to get Gulf Coast residents back into a quality home as soon as possible," he added.

Founded in 1983, Oak Creek Homes operates in Texas, New Mexico, Colorado, Oklahoma, Kansas, Arkansas, Mississippi and Louisiana.

For more information call Mike Heninger at 888-909-3388 or visit www.oakcreekhomes.com. Or circle Reader Service No. 70.

AB's Home Run Homes

Defining the Future of Modular Construction



■ More than 35 years of modular construction experience

■ Recognized as a technical innovator in modular structure manufacturing

■ Has produced more than 12,000 custom designed homes and commercial structures including:

- single-family homes
- offices
- condominiums
- motels
- education centers
- medical clinics
- convenience stores
- dormitories

Quality will always be key at Haven Homes.

SERVICE AREAS:

VT, NH, NY, MA, RI, CT, NJ, PA, OH, DE, MD, VA, WV, NC, SC, GA, FL

HAVENHOMES

Haven Homes Inc.

570 962 2111 • fax 570 962 3181

www.havenhomes.com • email: info@havenhomes.com

554 Eagle Valley Road • Route 150 • P.O. Box 178
Beech Creek, PA 16822

Circle Reader Service No. 125

The modular and manufactured homes we build for the Gulf Coast region, from basic models to developer series, can be designed to wind-load specifications up to 140 mph.



We've built over 33,000 homes in the past 30 years. We're the leading modular producer in Texas. And we're the only producer offering a 7-Year Warranty to homebuyers. All solid reasons to talk with us about your next project. Give us a call.



OAK CREEK
HOMES



888-909-3388 oakcreekhomes.com

Circle Reader Service No. 120

AB's Home Run Homes



*Built Smarter
Built Better*



Quality

- Single Family Homes
- Multifamily Projects
- Commercial Buildings
- Unlimited Materials & Design Flexibility

Construction



www.pennlyon.com

101 Airport Road • Selinsgrove, PA 17870

(800) 788-4754 • Fax: (570) 374-6053

MARKET AREAS: Northeast and Mid-Atlantic Regions

Circle Reader Service No. 100

Unlock your profit potential



Since 1954, Ritz-Craft has been a leading builder of premium quality homes. Whatever housing you are considering, we will help you develop a systems built business plan to ensure your success. Buyers can choose from hundreds of floor plans or custom build their dream home with thousands of distinctive options. We invite you to visit our design center, model homes, and plant facilities before you choose a systems built supplier. Ritz-Craft provides professional marketing support materials along with outstanding quality and service. Give us a call today to learn how Ritz-Craft can give you a competitive edge in your market.



Market areas: ME, NH, VT, MA, CT, RI, NY, PA, NJ, DE, MD, VA, WV, NC, SC, GA, TN, MI, OH, IN, IL, WI, KY, MO



RITZ-CRAFT CORPORATION

The Distinction is in our Differences.

www.ritz-craft.com

EAST: Mifflinburg, PA 800-326-9836 MIDWEST: Jonesville, MI 877-878-4025

SOUTH: Rockingham, NC 866-870-4849 E-MAIL: info@ritz-craft.com

Circle Reader Service No. 130

The Mountain Vista Series

The Mountain Vista, one of Barvista Homes' Series. Ranging in size from 2,000 to over 3,000 sq. ft., the Mountain Vista Series of Homes are ideal for that dream vacation house, investment property, guest cabins, resorts, and subdivisions. Construction and finish above and beyond, Barvista Homes is proud to offer not only the best homes on the market, but design flexibility and customization as well including Alder doors, granite and tile counters, tile floors, wood floors, and much more.



SERVING:
NE, KS, CO, UT, WY,
NM, AZ & CA



BARVISTA HOMES

ph: 970-532-4257 fx: 970-532-4328
P.O. Box 1100 Johnstown, CO 80534

www.barvistahomes.com

Circle Reader Service No. 140



**Build
Our
Homes,
Build
Your
Future.**

Carolina Building Solutions is an innovative design leader in the rapidly evolving modular building industry. Our experienced team is dedicated to meeting a company-wide goal - that of providing high quality and stylish homes through today's most innovative home building systems. Our custom-engineered modules and panelized elevation components streamline the construction process. This saves time and expense on your building site. Unique and stylish home designs are closer than you think. Call today!

Market Areas: NC, SC, VA, WV, GA, TN
220 Ryan Patrick Dr. Salisbury, NC 28147
sales@cbsmods.com 1-800-749-5203



Circle Reader Service No. 215

AB's Home Run Homes

451 Southern Ave.
Strattanville, PA 16258
Phone (800) 678-5581
www.new-era-homes.com
Contact: Scott Peters,
Director of Sales
speters@new-era-homes.com

New Era
BUILDING SYSTEMS, INC.



Start living the New Era Lifestyle, the lifestyle of comfort, elegance, and style. Most importantly when you build with us you'll receive award winning designs, unsurpassed product quality, and the outstanding support that comes with every New Era home. Call us to find out how to become part of the New Era team!

The New Era Lifestyle

MARKET AREAS: PA, NY, CT, MA, NH, VT, ME, NJ, MD, DE, VA, WV, NC, SC, NH, MI, RI, WI, IL, IN

Circle Reader Service No. 160

BUILDING IT BETTER

Market Areas served: Northeast, Southeast, Midwest



Crest Homes offers a complete line of homes from starter ranches to large, luxurious two stories- all built with brand name materials in a controlled environment.

Our CREST CARE builder support system is an industry first-setting the standard for complete customer satisfaction.

www.cresthomes.com

• Midwest: P.O. Box 1218 Middlebury, IN 46540 Ph: (800) 488-9185

• East: 201 N. Industrial Park Rd. Milton, PA 17847 Ph: (800) 927-4567

Circle Reader Service No. 170

PLEASANT STREET HOMES

Sun Building Systems, LLC
#9 Stauffer Industrial Park
Taylor, PA 18518

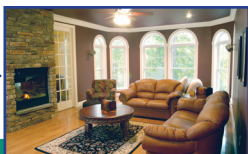
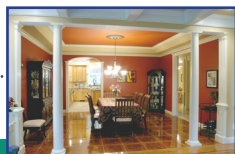
Toll Free: 888-740-8218
570-562-0110

Fax: 570-562-0737

www.sunmodular.com



Market area: NY, CT, MA, PA, NJ, DE,
MD, NH, VT, WV, ME, RI, and VA



- Single Family
- Multi-family
- Urban & Infill
- Custom Crafted
- Full-spectrum



Indiana Building Systems, LLC
51700 Lovejoy Drive
Middlebury, IN 46540

Toll Free: 866-427-4676
574-825-4206

Fax: 574-825-3160

www.homesbyibs.com

Market area: MI, OH, IN, IL, IA, MO, WI,
WV, and KY



Circle Reader Service No. 180



*System Built
At Its Best*



Apex System Built housing brings a new level of quality and consistency to the modular home industry. Our state-of-the-art production facility ensures a product constructed to meticulously high standards. Apex Homes celebrates 15 years as a manufacturer of custom modular homes, condominiums, multifamily and light commercial structures.

Call us to find out how competitive pricing and customization techniques result in higher profits!

www.apexhomesinc.com

7172 Route 522 Middleburg PA 17842

1-800-326-9524 info@apexhomes.net

Market Areas: PA, NJ, CT, MA, VT, ME, NH, RI, MD, DE, VA, WV, OH, NC, SC, MI

Circle Reader Service No. 115

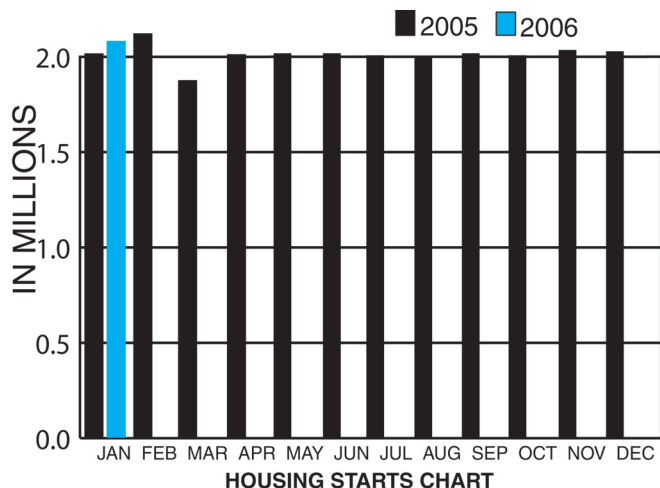
**Jumbo sixth of a page
(3-5/8"X3-1/8")**

FOUR COLOR costs only
\$750 (1-time) \$670 (3-time)
\$635 (6-time) \$620 (9-time)
\$570 (12 time) \$540 (18-
time)

**It may be the best deal in
publishing, so give us a
call**

at: 1-800-344-2537
to reach 75,000 readers!*

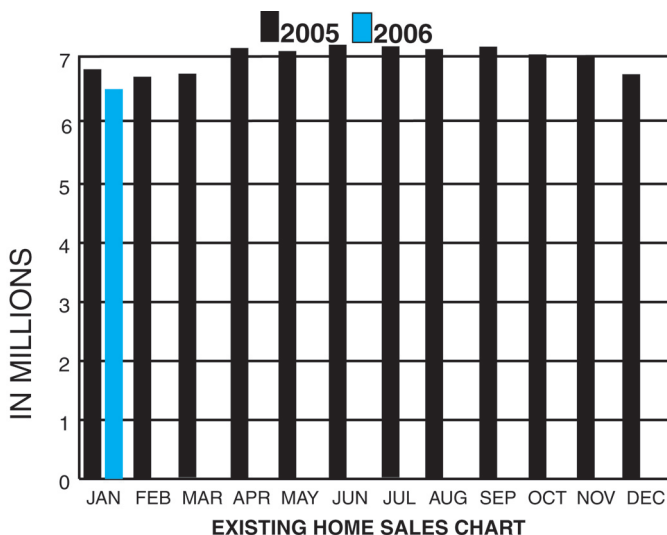
*Research USA, Chicago



Housing Starts Bounce Back Up for January

WASHINGTON, DC—Privately owned housing units authorized by building permits in January were at a seasonally adjusted annual rate of 2.22 million. This is 6.8% above the revised December rate of 2.07 million and is 3.8% above the January '05 estimate of 2.14 million.

Single-family authorizations in January were at a rate of 1.68 million, this is 2.4% above the December figure of 1.64 million. Authorizations of units in buildings with five units or more were at a rate of 428,000 in January. U.S. Census estimated 2,276,000 housing units were started in '06



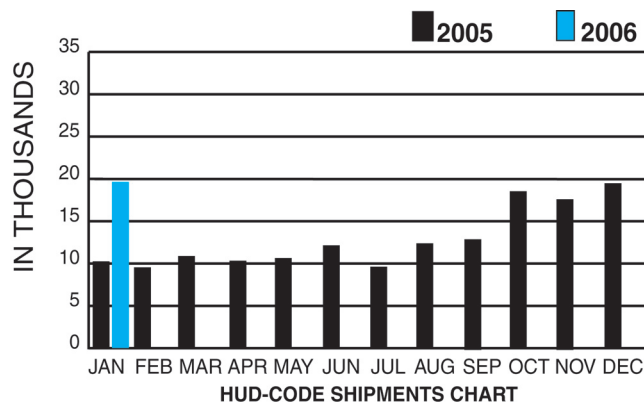
Existing Home Sales Down Again for January

WASHINGTON, DC—Sales of existing homes were down in January while home prices continued to appreciate at double-digit rates, according to the National Association of Realtors.

Total existing home sales—including single-family, townhomes, condominiums and co-ops—declined 2.8% to a seasonally adjusted annual rate of 6.56 million units in

January from an upwardly revised pace of 6.75 million in December. Sales were 5.2% below the 6.92 million unit level in January '05.

David Lereah, NAR's chief economist, said sales are tracking the trend in the association's Pending Home Sales Index. "Our leading indicator, based on pending sales, has been trending down since hitting a record last August," he said. "In the wake of interest rates peaking in November, I expect we are in a bit of a trough that may be followed by a modest rise and then a general plateau in the level of sales activity. Existing home sales should stay below the record levels experienced over the last two years, but they'll maintain a historically high pace," Lereah adds.



HUD-Code Shipments Up Slightly for January

WASHINGTON, DC—HUD-Code total shipments were up slightly in January, at 19,707 units, according to the Institute for Building Technology & Safety (IBTS). This is approximately a 1% increase from the December level of 19,508 total units shipped. The three leading states are FL with 2,491 floors, CA with 1,742 and TX 1,314.

Construction Jobs Surge in January

WASHINGTON, DC—"Construction again led the employment report in February with a gain of 41,000 jobs, one-fifth of all private sector jobs added during the month," said Ken Simonson, chief economist for The Associated General Contractors of America (AGC). Simonson was commenting on seasonally adjusted job figures released by the Bureau of Labor Statistics (BLS).

This is just the latest in a long string of employment gains. Since February '05, construction employment has risen by 346,000, or 4.7%, triple the overall growth rate for non-farming payroll jobs.

"As in other recent months, employment growth was well distributed across construction industry segments and regions," Simonson observed. "All five construction job categories showed gains for the month and the 12-month period. In particular, building construction employment has not dropped, despite reports of slower housing starts and sales," he added.

Over the past 12 months, employment has increased by 3.9% in residential building construction and 7.6% in

AB Newslines

residential speciality contractors, 3.2% in nonresidential building and 2.2% in nonresidential speciality contractors and 7.2% in heavy and civil engineering construction.

Manufactured Housing Services' Gub Mix Retires and Leaves Opening

SUN VALLEY, ID—The Idaho, Nevada and Utah Manufactured Housing Associations are seeking a replacement for executive director Gub Mix, who announced his retirement recently, effective September 30th of this year.

The three separate associations wish to continue to contract with a single individual to provide management services. Mix has served as executive director for Idaho for 22 years, Utah and Nevada for 20 years and also ran the Arizona Association for nine years in the 1990's.

His company, Manufactured Housing Services, Inc., provides office facilities and equipment as-well-as all staffing needs for the three groups. He also supervises industry lobbying efforts and legal representation in the three states.

Anyone interested in getting more information regarding this opening should contact Mix at 208.343.1722 or at gmixmhs@cox.net.

More Than \$2 Trillion of U.S. Mortgage Debt Due for Interest Rate Resets

WASHINGTON, DC—Millions of Americans who stretched themselves financially to buy homes face a painful adjustment—many could possibly lose their homes—as monthly payments on adjustable-rate mortgages are reset higher.

Those 'affordability' mortgage loans—heavily promoted by lenders—that hold down payments for an initial period, are coming to an end on many of these loans, leaving borrowers to face resets of their interest rates that can cause monthly payments to shoot up between 10% and upwards of 50%.

More than \$2 trillion of U.S. mortgage debt, or about a quarter of all mortgage loans outstanding, comes up for interest rate resets in '06 and '07, estimates Moody's Economy.com, a research firm in West Chester, PA.

Simpson Strong-Tie Introduces New Installation Pocket Guide and Training Kit for Contractors and Installers

DUBLIN, CA—Simpson Strong-Tie® continues to increase its training library with a new, compact product installation guide and mudsill anchors training kit.

The pocket guide is a handy pictorial booklet of how to install many of Simpson's products.

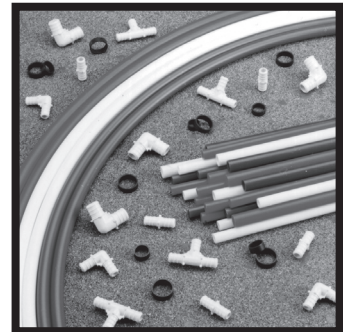
"Introduction to Mudsill Anchors" is Simpson's third builder training kit, featuring step-by-step installation information. Both the guide and the training kit are offered in English and Spanish. *For more information circle Reader Service 51.*

Clean, Simple, Secure Plumbing Systems

Vanguard offers the clean, simple and secure solution for plumbing with our flexible VANEX PEX tubing combined with CRIMPSERT POLYALLOY fittings. Vanex PEX was the first PEX tubing to achieve chlorine resistance certification through the new and most stringent chlorine testing methods developed by NSF International. Vanex tubing has been approved through this listing for both traditional domestic plumbing systems and hot water recirculating systems.

Vanguard provides a complete NSF approved system including both Vanex tubing and CRIMPSERT POLYALLOY fittings. Our CRIMPSERT POLYALLOY fittings are durable, dependable and provide superb

corrosion resistance to ensure proper flow for the life of the plumbing system. CRIMPSERT POLYALLOY fittings are ideal for corrosive water or soil conditions and provide a secure and installer-efficient connection.



Vanguard has been in the flexible plumbing market for more than 25 years. Our line includes a variety of flexible plumbing products and accessories as well as a full line of hydronic radiant heating products. For more information call 800-775-5039 or visit our website at www.vanguardpipe.com.

 **Vanguard**
Piping Systems, Inc.

A Viega Company

800-775-5039

www.vanguardpipe.com

Circle Reader Service No. 9

Grassy Narrows Warns Weyerhaeuser: "Withdraw or Face Fierce International Campaign"

GRASSY NARROWS, ON—The aboriginal people of the Grassy Narrows First Nation, located 80 kilometers north of Kenora, sent letters warning the chief executives of Weyerhaeuser and Abitibi-Consolidated to, "Immediately cease and desist from all logging and industrial resource extraction on our territory or face a fierce international campaign."

The letter follows a decade of failed negotiations, lawsuits, environmental assessment requests, public protests and a three-year logging blockade. The letter asserts that decades of unsustainable logging has, "Poisoned our waters with mercury and other toxins, nearly eliminated our ability to practice our way of life and robbed us of economic opportunities."

The letter includes an SOS to the international environmental and human rights community to stand with Grassy Narrows in their demands and expand the struggle in the woods, in the streets and in the market place.

Whirlpool Corp. Receives E-STAR Sustained Excellence '06 Award

BENTON HARBOR, MI—Whirlpool Corp. recently announced that it will receive the inaugural ENERGY STAR Sustained Excellence '06 Award from the U.S. Department of Energy and the U.S. Environmental Protection Agency.

This special award is given to a select group of organizations that have exhibited outstanding environmental leadership year after year, while sustaining product and marketing excellence. This unique honor represents the company's seventh ENERGY STAR Award.

James Hardie Sponsors Katrina Cottage II In New Orleans

ST. BERNARD'S PARISH, LA—As excitement escalates about the Katrina Cottage designed for hurricane victims in MS, the creative team behind that prototype for appealing an affordable housing broadens the concept in LA.

James Hardie is proud to be the principal sponsor of Katrina Cottage II, a 690 sq. ft. two-bedroom model in the architectural traditions of South LA and designed to take advantage of the latest approaches in panelized construction techniques. The cottage is being assembled in a Wal-Mart parking lot in Chalmette, LA, surrounded by FEMA trailers and government agency offices in mobile homes.

That parking lot is near ground zero for planning the rebuilding of St. Bernard Parish, one of the hardest hit parishes in LA. Flooding in the wake of Hurricane Katrina submerged the parish's entire housing stock, some 25,000 structures, for nearly three weeks. Some 85% of the housing was damaged beyond repair or will require significant repair. *For more information circle Reader Service 52.*

Champion Enterprises to Acquire Caledonian Building Systems

AUBURN HILLS, MI—Champion Enterprises, Inc., a leader in factory-built construction, announced today that it has entered into an agreement to acquire United Kingdom-based Calsafe Group (Holdings) Ltd. and its operating subsidiary Caledonian Building Systems, a leading steel-framed modular manufacturer, for approximately \$110 million.

The transaction will be financed through a combination of cash and debt, via an approximate \$80 million Sterling-denominated increase in Champion's credit facility. A portion of the purchase price will be earned upon the achievement of certain financial benchmarks over the next four years. The transaction is expected to close early in Champion's second fiscal quarter and will be accretive to earnings in '06.

Caledonian constructs steel-framed modular buildings for use as prisons, multi-story residences and hotels, as-well-as military accommodations for the UK Ministry of Defense.

Mule-Hide Celebrates 100th Anniversary

BELOIT, WI—This year the Mule-Hide brand reaches the century mark. The company's year-long recognition of this milestone officially kicked-off in February, at the International Roofing Exposition in Las Vegas, NV.

Collectible die-cast race-cars were given out as booth prizes and throughout '06, ads, promotional items and wearables, will feature the 100th Anniversary logo that states—"A Century of Trust."

The Mule-Hide brand name conception story goes like this—a total of six horses couldn't free a wagon stuck deep in mud. Another wagon, pulled by two mules came by, the men replaced the six horses from the stuck wagon with the two mules. The mules successfully pulled the wagon out. Their impressive strength was the inspiration for the name that has been trusted in roofing since 1906.

1906 was the year the original trade name was registered and the company manufactured top quality roofing products. Over the years, they have significantly expanded their product line into numerous quality items, ranging from single-ply insulation and Elastomeric Acrylic Coatings to Mule-Hide FR deck panels, accessories and many other related products. *For more information circle Reader Service 67.*

Students Spend Spring Break Rebuilding Gulf Coast

NEW ORLEANS, LA—Some of the college students flocking to New Orleans and the Gulf Coast for spring break aren't coming for the beaches, the booze or the all-night debauchery.

It's unclear how many students are spending spring break helping with the recovery effort, but nearly 700 students from 85 schools in 27 states will be on the Gulf Coast with former Sen. John Edwards, D-NC, during this period. Thousands of others have been here in recent weeks and more are expected between now and Easter holiday.

Association for Advanced Home Building Is Launched To Facilitate Affordable Housing



By Vince Ciccarello, Executive Director, afahb

DULUTH, GA—As Executive Director I am herewith announcing the formation of the Association for Advanced Home Building, afahb.

The primary goal will be to facilitate the creation of affordable housing in North America.

Our plan is to reach out to everyone involved in the housing effort, from home manufacturers, material suppliers and trades, to community organizations, local governments, foundations and assorted non-profits with similar purposes.

Our goal also will be to educate groups, organizations and individuals about the advanced home building industry and to help with planning, providing financing expertise for large and small housing projects and to help in the construction of manufacturing plants for advanced home building.

Also, we will help create community-based partnerships to increase the demand for engineered, factory-built housing in inner cities, suburban and rural areas.

In the months ahead afahb will produce regional grass-roots conferences, create and deliver educational programs and assemblies to connect suppliers with buyers and to operate an effective ready-to-use marketing platform for our goals.

Afahb will help establish quality standards across the nation and provide day-by-day business support for its members.

Through this matrix of efforts afahb will become a highly valuable and transparent marketplace to advance projects to completion to provide affordable housing in as many areas of our nation as is possible.

The afahb organization is a continuing outgrowth of the previous Automated Builders Consortium which has been folded into the new group. Individuals who were active in ABC are also active in the newly formed afahb.

Other goals of the association will be to create a quality certification program for factory-built homes, develop a quarterly newsletter about the association and its activity and to conduct regional and perhaps national conferences and exhibits.

As for membership benefits, afahb is designed to enhance

the image of members and their products to increase bottom line profits and to provide a promotional platform for members to increase home and product sales.

Afahb will have a website and on it member firms will be spot-lighted for two-month periods to help spread the word of their services and products nationally.

A highly specialized check/purchase order program is being devised wherein home producing members can submit purchase orders to vendors with integral checks attached as a means of reducing costs for vendors while providing special discounts to home builder buyers.

Memberships in afahb are purchasable for a one year period starting immediately.

On the page behind this sheet is a membership application. Also, afahb will be manning a booth at the MHI Annual Manufactured Housing Congress in Las Vegas at the Paris Hotel April 18-20. For additional information on Afahb call Vince Ciccarello at 404-538-0661. For information on the MHI Congress call 703-588-0657.

Officers and directors of Afahb include the following:

President, Gary Pomeroy, president, Fast Building Systems, Newport Beach, CA; Directors: Arthur Angelo, president, Sure Safe Industries, Escondido, CA; Victor Calvo, president, The Modular Home Group, Ocean, NJ; Honorary Chairman, Don O. Carlson, editor & publisher, *Automated Builder Magazine*, Ventura, CA; Mike Chisholm, sales manager system builders, Mid-Continent Cabinetry, Jackson, MI; Titus T. Dare, president, EagleOne Mortgage, St. Charles, MO; Peter LaBonte, president, Modern Modulares, Brooklyn, NY; Kent Pipes, president, The Affordable Housing Group, Mount Holly, NJ; Tony Wicke, vice president, Land Home Financial Services, Inc., Woodbury, MN.

For more information on afahb circle Reader Service No. 53.

Notice: All individuals who sign up as charter members of afahb before May 31, 2006, will receive a charter membership plaque suitable for framing and a 10% dues discount for the first year.

afahb association for advanced home building

ORGANIZATION

"It is our primary goal to facilitate the creation of affordable housing in North America. We reach out to everyone involved in this effort, from manufacturers, material suppliers, and trades, to community organizations, local governments and foundations. We educate about advanced home building, help with planning, provide financing expertise for major housing projects and the construction of manufacturing plants for advanced home building and help create community-based partnerships to increase the demand for advanced-built housing."

SERVICES

- **Education** Programs
- **Financing** Program Options
- Provide a range of Value Added Services to our Membership (see below)
- Installer **Certification** Program
- Quarterly **Newsletter** on the advanced building industry
- Annual **Conference** with Exhibits
- Regional Educational **Conferences**

MEMBERSHIP BENEFITS

- afahb will enhance your **image**
- afahb will increase your **bottom line** by your support of a worthy cause.
- Free **advertising** platform for your company and services. afahb will list your services in the membership roster and provide a "free" link to your corporate website.
- Six free Project Spotlights **per year** – Your successful projects will be featured for a 2 month duration on the afahb web site with a link to your corporate site.
- afahb will be the **link** between the ultimate buyer and you the supplier.
- afahb will open up **new sales channels** for you.
- afahb can educate you on **financing options** tailored to your business.
- **Vendor discount** check-purchase order program.

TERMS

One year, renewable on May 1st of each year.

MEMBERSHIP CATEGORIES AND DUES

Community Owners	\$500
Free admission to Annual Conference for one person	
Government & Municipalities	\$500
Land planners & architects	\$500
Lenders	\$500
Manufacturers	\$10/home, min \$1,000
Mortgage & Homeowner Insurance Co	\$500
Private Developers	\$500
Public sector Nonprofits	\$295
Free admission to Annual Conference for one person	
Realtors	\$500
Suppliers of material and components	\$500

Membership Application

YOUR INFORMATION

FIRST NAME _____

LAST NAME _____

TITLE _____

DEPARTMENT _____

COMPANY NAME _____

ADDRESS _____

CITY _____

STATE _____

ZIP _____

DAYTIME PHONE _____

FAX NUMBER _____

MAIN NUMBER _____

EMAIL ADDRESS _____

COMPANY WEBSITE _____

MEMBERSHIP CATEGORY

- ☐ COMMUNITY OWNER ☐ LENDER ☐ NONPROFIT*
☐ GOV/MUNIP ☐ MANUFACTURER ☐ REALTOR
☐ PLANNER ☐ INSURANCE CO ☐ SUPPLIERS
☐ ARCHITECT ☐ DEVELOPER
* NOT FOR PROFIT STATUS INFORMATION (IF APPLICABLE)

MEMBERSHIP FEE & PAYMENT METHOD

TOTAL AMOUNT: \$ _____

☐ PLEASE CHARGE THE FOLLOWING CREDIT CARD:

SELECT: ☐ VISA ☐ MASTERCARD ☐ AMEX ☐ DISCOVER

CARD HOLDER NAME _____

CARD NUMBER _____

EXPIRATION DATE (MM/YY) _____

SIGNATURE _____

DATE _____ BILLING ZIP CODE _____

- ☐ I WILL MAIL A CHECK AND THE COMPLETED FORM TO:
AFAHB
ATTN: MEMBERSHIP SERVICES
3621 E. BAY STREET
DULUTH, GA 30096-4822

PLEASE MAKE CHECK PAYABLE TO:
ASSOCIATION FOR ADVANCED HOME BUILDING

QUESTIONS?

Please contact Vince Ciccarello at 404-538-0661 if you have any questions or need help completing this application.



**MITEK
1PG
4/C
DISK**

Circle Reader Service No. 10

AB New Products

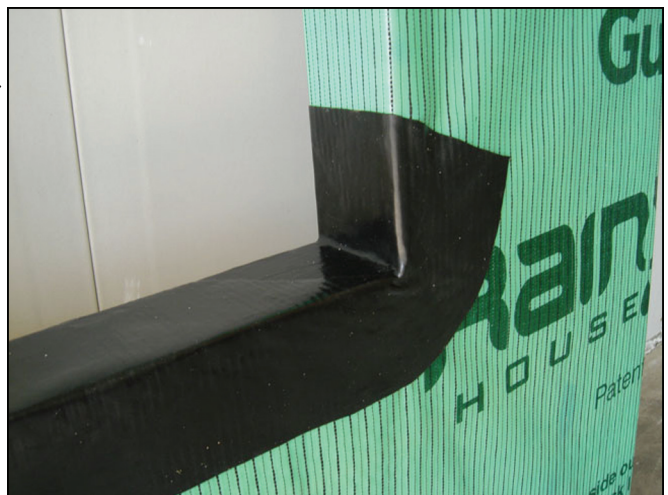


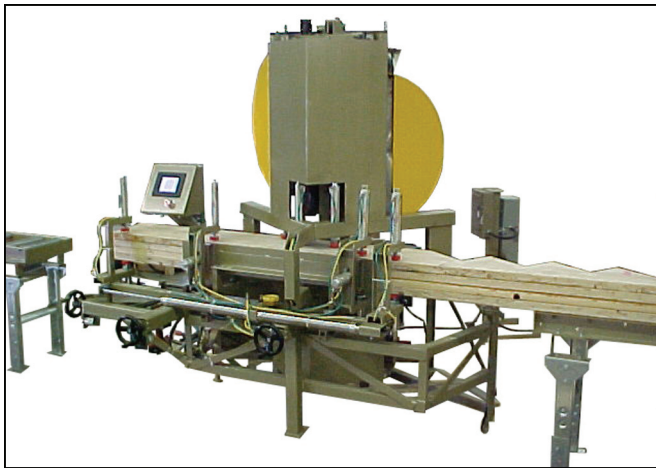
Touch 'n Seal Gun Foam II Now ICC Approved as a Fireblock Penetration Sealant and Type V Residential Fireblock—Convenience Products, manufacturer of Touch 'n Seal® insulation foam products confirms that Touch 'n Seal Foam II is now an ICC approved fireblock penetration sealant and type V residential fireblock (ICC-ES ESR-1926). Gun Foam II is ASTM E-814 and UL-1715 tested and has been found to be better or equivalent in performance (vs. approved testing fireblock materials) as a Type V residential fireblock penetration. Independent testing indicates that Touch 'n Seal Foam II resists flaming for twice as long as the leading competition. "Our foam has met these industry requirements for a long time," says Larry Pennock, vice president of sales and marketing, "We simply hadn't applied for the testing and certification or used the orange colorant. Those were things our customers really needed," adds Pennock. "This eliminates any questions during building inspection since the inspectors recognize the new bright orange color as an approved fireblock penetration sealant," he said. Circle No. 55.

GreenGuard Butyl Flashings Deflect Water from the Wall System—GreenGuard® Flashing and GreenGuard® SuperStretch™ Flashing from Pactiv's building products division offer an effective tool for deflecting water from entering the wall system at critical penetration areas, such as around windows, doors and wall protrusions. Composed of a high performance butyl-rubber formulation, the self-adhering flashing membranes contain no asphalt, volatile organic compounds or solvents and are designed to create airtight and watertight seals. GreenGuard® Flashing and GreenGuard® SuperStretch™ Flashing is claimed to outperform polymer-backed flashings by better conforming to irregular surfaces; thereby eliminating gaps that could lead to the development of water canals. The membranes demonstrate long-lasting adhesion across the full range of installation temperatures, from 25° to 120° Fahrenheit. Circle No. 56.



Safe Liaisons—Villeroy & Boch has elevated bath design to a new and artful level with the creation of Liaison. Part sculpture, all function, this novel wall-mounted sink is destined to add drama and impact to a luxury bath setting. Liaison owes its dynamic looks to the marriage of contrasting shapes and materials. The crescent-shaped tempered glass basin appears to float against the solid cube of porcelain, which smartly conceals the plumbing roughs and eliminates the need for a complicated interior wall installation. It's a concept that is likely to appeal to builders and architects, as-well-as, savvy consumers. Liaisons is an ideal choice for residential, commercial or hospitality settings. It accepts a two-hole, wall mounted tap fitting and outlet. Circle No. 57.





Triad developed and introduced its new Open Stringer Saw (OSS) for the home building industry. The Open Stringer Saw (OSS) was designed to increase productivity, safety and save time. The OSS is powered by two soft start motors and uses two 30" x 80 tooth carbide tipped blades. The OSS will cut up to four separate 2x10 or 2x12 stringers at one time. The machine is PC controlled and has automatic indexing and cutting. An in-feed and out-feed roller conveyor comes standard with the unit. Triad also produces the fully automated Smart Stair Router (SSR), the Template Stair Router (TSR), the Skirt-Board Saw (SBS), Wedge & Glue Block Cutter, Bullnose Saw, Rail Boring Machine (RBM), and Staircase Assembly Clamp. Circle No. 58.

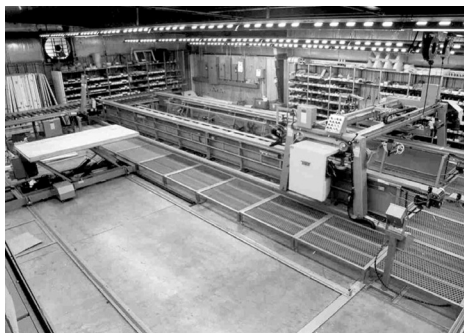
Professional Grade Reflective Roof Coatings Reduce Energy Consumption Costs and Extends Roof Life—Reduce monthly energy costs and significantly extend the life of your roof with an easy DIY job; brush on Henry 287 SF Solar-Flex, white elastomeric roof coating. This reflective roof coating reflects up to 85% of the sun's ultraviolet rays and the sun's heat, significantly protecting and prolonging the life of the roof. Henry's reflective roof coatings can be applied without any specialized training. Circle No. 59.

Metal Doesn't Stand a Chance with Hitachi's Newly Redesigned 14" Chop Saw

The redesigned CC14SF is built to cut cold formed steel, rebar and pipe quickly and efficiently. The hefty 15 Amp (2,000) motor produces a no-load speed of 3,800 rpm. It follows Hitachi's new aggressive design standard and comes with a convenient D-handle, coated in their patented elastomer compound to reduce vibration, while adding comfort and preventing slippage. Circle No. 60.



TRIAD—THE NAME YOU KNOW AND TRUST IS THE TOTAL SOLUTION TO YOUR WALL PANEL EQUIPMENT NEEDS...High volume or low volume, **Triad** is there for you...



SMART WALL SYSTEM

TRIAD/MERRICK MACHINE CO---Equipment For Wood & Steel Framing, Stair Manufacturing
PO BOX 130, ALDA, NE 68810
PH: 800-568-7423 OR 308-384-1780 EXT. 133

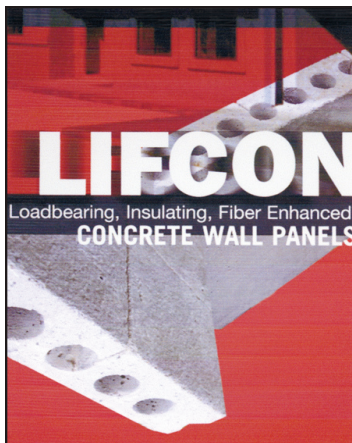
Smart Wall System---Increased production, real measurable labor savings---**TRIAD HAS BEEN THE TRIED AND TRUE LEADER FOR OVER 40 YEARS.**



Circle Reader Service No. 11

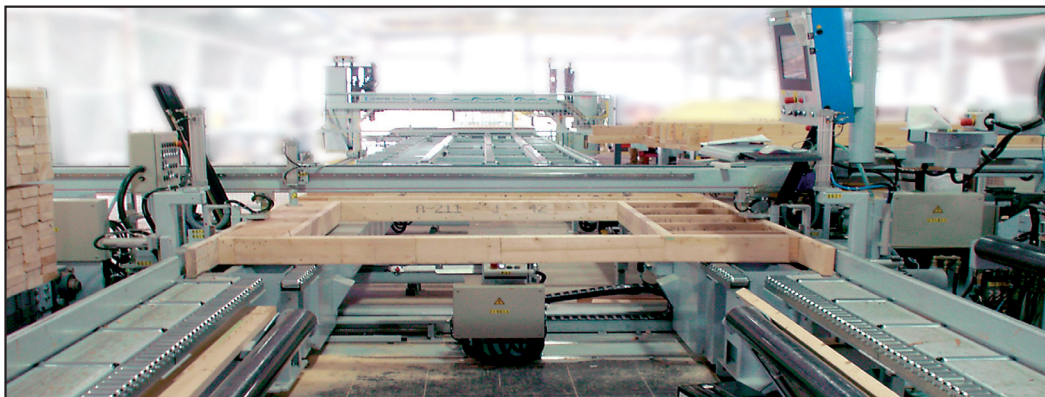
AB New Products

Economical Building Material Withstands 150 mph Winds—With the addition of Simpson hurricane straps Superior Homes International claims a house built using LIFCON (Load Bearing Insulating Fiber Concrete) fiberboards in place of wood frame can withstand winds up to 150 mph. The manufacturer states the LIFCON fiber wall panels are termite proof, fire and black mold resistant and possess inherent soundproofing and insulation properties. The claim is that LIFCON panels can save builders as much as 50% in construction time using essentially unskilled labor. The fiberboards are currently available in 2 ft. by 8 ft. panels and can be drilled, cut nailed into and adhered to like traditional wood. LIFCON panels are constructed of a durable weather resistant material that is lighter and less dense than concrete. Each 3.5 inch panel weighs approximately 195 lbs. Circle No. 61.



CMI Unveils CraftMaster Cellini Door Series, Raised Panel Defines Elegance in Any Home—Achieving elegance in any room is simple with the new CraftMaster® Cellini™ Series from CMI. Unveiled at the '05 International Builders' Show, the CraftMaster Cellini Series combines a special raised panel molding affixed to a smooth surfaced, molded door to deliver enhanced beauty at an affordable cost. Named after Italian

sculptor Benvenuto Cellini, who was known for the intricacy and exquisite detail of his work, the Cellini Series showcases detailed craftsmanship with raised molding accents and defined panels to enhance any home's decor. The CraftMaster Cellini Series is currently available in both the two-panel, square-top Carrara® design and the two-panel, true arch top Caiman® design. Both profiles in the Cellini Series have a smooth finish and are made from molded, high-density fiberboard to resist shrinking, cracking and joint separation. They are offered in 6'-8" and 7'-0" heights, as well as a variety of widths. Circle No. 62.



Automated Panel Lines

- CNC-driven automation
- Engineered customization
- Precision controlled quality
- Guaranteed product consistency

Profit from the automation promise.

Production lines employ a significant amount of investment. Weinmann automated production lines from Stiles Machinery employ a promise—increased production capacity and increased product quality at a lower cost. Only the precision engineering offered by Weinmann can deliver on that promise. The only truly software driven production line available, Weinmann consistently builds exterior wall panels at a rate of 16 feet every 2.5 minutes while reducing manpower requirements by 75 percent. When you work with Stiles you are automatically connected to our Total Production SolutionsSM delivering superior equipment, technology and expertise. Employ the automation promise. **In the U.S., call Mike Miller, sales consultant, at 616.698.7500 or mmiller@stilesmachinery.com**



In Canada, call Peter Aschenbrenner at Homag, 905.670.1700



software | leasing | education | service | parts | e-tech

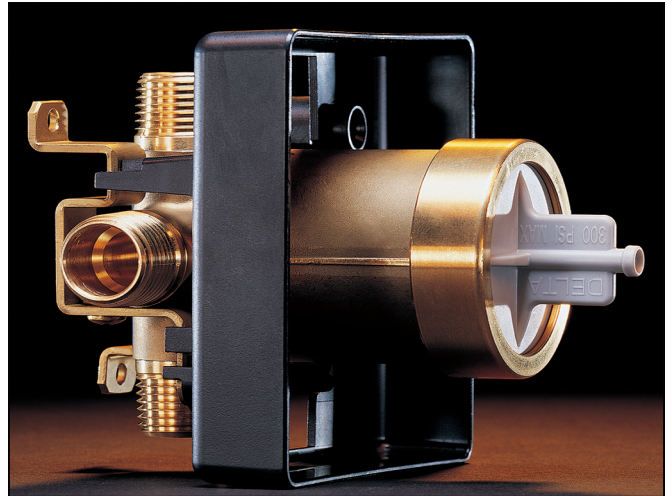
www.stilesmachinery.com

stiles
Your success is our business

Circle Reader Service No. 12



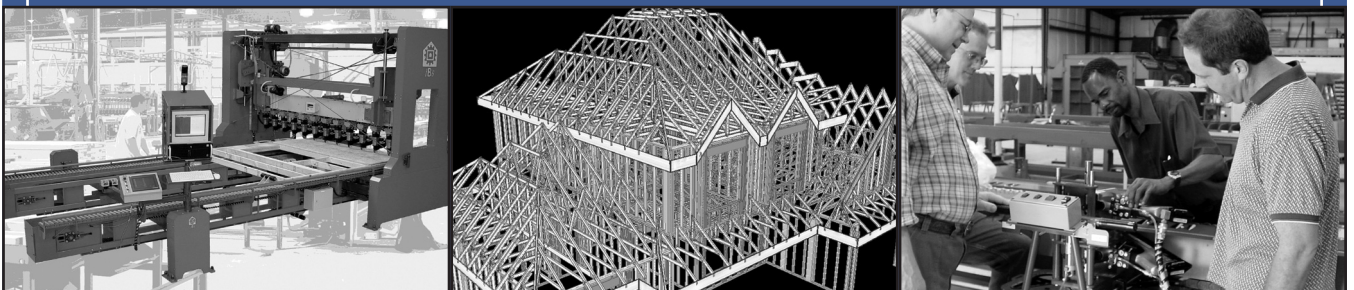
Award-Winning Bosch Smoke Detectors Offer Continuity in Architectural Design—Bosch Security Systems, a full-line manufacturer of high-quality security systems and components, has introduced the unique FCP-500 Series smoke detectors, designed specifically for high architectural standards. The FCP-500 Series detectors are flush-mounted into the ceiling, only a smooth, sealed faceplate is visible. The faceplate of the detector can also be color-matched to the ceiling with unique color ring insert system. The FCP-500-C also comes with a carbon monoxide (CO) sensor that greatly increases reliability by adjusting the chamber's sensitivity to accommodate the level of CO, thereby significantly reducing the false alarms. Circle No .63.



Delta Faucet introduces a new tub/shower valve system—the MultiChoice™ Universal Valve. It allows for functional and stylish trim changes without ever changing the valve in the wall. The innovative new universal valve system enables wholesalers, plumbers, showrooms and builders to stock just one valve to handle three function options: single-function pressure balance, dual-function pressure balance and the all new, dual-function thermostatic valve cartridge option with independent temperature and volume control monitor. Over the past 24 months, Delta has field tested the new system with plumbers and builders in hundreds of actual installations. Their response has been overwhelmingly positive. The system can dramatically simplify processes, reduce costs and improve profitability. Circle No. 64.

FOCUSED ON THE COMPLETE WALL PANEL SYSTEM

FROM SHEATHERS & STACKERS TO SOFTWARE & SUPPORT



By combining **dynamic parametric design** capabilities with **state-of-the-art** equipment, IBS provides a seamless wall panel production line that **allows your investment to develop** with you as your business—big or small—grows and changes.

Looking for the best in wall panel systems? Call today for more information about solutions to suit your production demands!



The Leader in Wall Panel Manufacturing Systems
662.342.3434 • www.intelbuildsys.com

Circle Reader Service No. 13

HELP WANTED

ADVANCED CONNECTOR SYSTEMS, LLC, a leader in the design, production and sales of stamped and welded code approved structural wood connectors, seeks a VP-GENERAL MANAGER. This position will have responsibility for growth and profitability of the Carlson Holdings, Inc. business unit in the Phoenix, AZ area. Job functions include setting direction for product design, production and sales. Visit our website www.acsboss.com.

Qualifications include a degree in structural, civil or mechanical engineering, business administration, or related fields. We seek an individual with a history in the industry and experience in the research and development of new products. A successful 5-year record of running a business unit is preferred. Strong leadership and management skills are critical. 20%-40% travel is required.

We offer an outstanding compensation package that includes salary with incentives and bonuses; car expenses; medical, dental, vision benefits and 401k.

Send resumes with salary history and requirements to jryan@csystems.com, fax (402) 597-5180.



See the light and speed up productivity

Set up your jiggling at the speed of light

Job file batching → controlled work flow
Detailed reporting → daily labor evaluation
Simplified building → reduced labor training
Increased accuracy → fewer call backs
Reduced setup times → increased production
Exact plate placement → TPI conformance

See immediate gains in profit-producing performance

www.sl-laser.com



SL-LASER Systems 8325-J Arrowridge Blvd., Charlotte, NC 28273
Phone: 704-561-9990 Fax: 704-561-9994

Circle Reader Service No. 14

AB NEW LIT SHOWCASE

"Putting Safety on the Hook"



Contact Us NOW!
for FREE literature
and DVD



OSHA & ANSI Compliant
Quick-Release
Truss Hook

100% Made in the U.S.A.



www.safety-jhook.com

877-277-7100

E-mail: info@safety-jhook.com

Our NEW
"Pelican" style design
8,000 lb.
working load limit

Circle Reader Service No. 19

Introducing...your state-of-the-art Home To....our state-of-the-art Foundation



A Perfect Match!

"Invisible" Anchorpanel® Low Set

The Anchorpanel® foundation goes in fast, and secures your home against disasters. The solid perimeter sets low for looks or high for floods. Meets FEMA/IBC for 140 mph wind, and saves money doing it!



Fast Track® Foundation Systems

Call for our DVD that developers rave about: 800-789-9694
Read and download new information: www.anchorpanel.com

Circle Reader Service No. 20

**Jumbo sixth of a page
New Lit Showcase ads
(3-5/8"X3-1/8")**

**FOUR COLOR costs only
\$750 (1-time) \$670 (3-time)
\$635 (6-time) \$620 (9-time)
\$570 (12 time) \$540 (18-time)**

**It may be the best deal in publishing,
so give us a call
at: 1-800-344-2537
to reach 75,000 readers!***

*Research USA, Chicago

Automated Builder[®]

The No. 1 Engineered Housing
Technology Transfer Magazine
For Manufacturing and Marketing

EDITORIAL REVIEW BOARD

Consultancy

William S. Bobbitt
President, Manufactured
Structures Group
Hoopa, CA

Exports

Joseph Honick
President
GMA/International
Tucson, AZ

Machine Automation

Jerry Koskovich
President
The Koskovich Co.
Rochester, MN

Marketing

Gary Pomeroy
President,
Fast Building Systems
Newport Beach, CA

Supplier Affairs

David R. Price
Past President
National Homes
Carmel, IN

Modular Marketing

Andy Scholz
Sales Representative
AvisAmerica Homes
Leesburg, VA

ABC Affairs

Judy Smith
Retired Exec Dir., MBI
Batesville, VA

Codes & Zoning

Ed Starostovic
Chairman, TECO Corp.
Sun Prairie, WI

Association Affairs

William Trottier
Executive Director
Manufactured Housing
Industry of AZ
Tempe, AZ

Modular/HUD-Code Homes

Alvin E. Whitehouse
Div. GM,
Western Homes Corp.
Corona, CA

Systems Research

Steven Winter
President
Steven Winter Associates
Norwalk, CT



Relax. You've chosen Variform siding.

At Variform, we work overtime so you can enjoy your free time.

With more than 40 years in the vinyl siding business, Variform understands how busy you are. If you're not hard at work, you're wondering if the siding for your next project will arrive as planned. Will it perform? Will it last?

With Variform vinyl siding, those worries are a thing of the past. Our integrated delivery systems get you the siding you need when you need it. Our rigorous inspection process ensures absolute quality. Our Limited Lifetime Transferable Warranty backs our products. Our low warranty claims mean fewer callbacks. For your next job, choose Variform.

 **VARIFORM[™]**
SIDING | ACCESSORIES | TRIM | HOME

For details about Variform products, or to find a distributor in your area, go to www.variform.com or call 1-800-800-2244.

Circle Reader Service No. 15

Since 1992

THEJOBLINE.COM

CAREER CHOICES IN THE
BUILDING COMPONENTS AND MANUFACTURED STRUCTURES INDUSTRY

*Representing
Industry Professionals
& Job Opportunities in...*

Production

Dept. Supervisors/Foremen
Maintenance Supervisors
Production Managers

Purchasing

Material Managers
Buyers / Purchasing Agents
Purchasing Managers

Engineering

Designers
CAD Operators
Engineering/Design Managers
PE's/Architects

Estimating

Estimators
Takeoff/Costing
Estimating Managers

Service

Lot/Dealer Service Techs.
Factory Service Technicians
Service Managers

Sales

Retail Dealer Sales
Outside/Inside Sales Reps.
Technical Sales Reps.
Factory Reps
Sales Managers

On Site

Set-up Foremen
Project Supervisors
Project Managers
Construction Div. Managers

Management

Plant Managers
General Managers
Division & Regional Managers
Executives

and More...

Employers!

*We can show you
how to manage
your recruiting costs*

without

High Fees!

call

800-289-5627

extension #12

and ask about our

Flat Rate Program

CANDIDATES!

Openings

Nationwide!

(Fees paid by Employers)

All Candidate Data is

STRICTLY CONFIDENTIAL!

We require the Candidate's
approval on all presentations!

Register On-Line

www.thejobline.com

or call

Call 800 289-JOBS

5627

Fax 800-689-6729 or

email: mail@thejobline.com



*Wood/Steel
Truss & Panel
Production Builders*

*Lumber, Plywood, I-Joist, EWP
Residential & Commercial Modular*

Serving Manufacturers, Distributors & Dealers

Automated Builder®

APRIL 2006

AB Classified/Biz Builders

CLASSIFIED TERMS: \$280 per column inch. Minimum one inch. Consecutive monthly classified advertisers receive 12th ad free. Payment must accompany order and ad copy. Classified ads must be received by the first day of the month preceding date of issue. Send ad with payment to: Automated Builder, 1445 Donlon St., Ste. 16, Ventura CA 93003. Credit card, call: 1-800-344-BLDR(2537).

HELP WANTED

TRUSS SALES

Looking for aggressive sales person to cover the Port St. Lucie, Ft. Pierce, West Palm Beach, Stuart and Vero Beach markets. Must be innovative and motivated. National company with full benefits-Medical, Dental, Compensation, 401K and more. Email resume to ewalden@ufpi.com

Experienced 'Wall Panel Designer.' Openings in Jacksonville and Tampa, FL and Jefferson, GA (Atlanta), markets. 800.779.0936 ext. 218, fax: 706.367.8216, or jcathey@ufpi.com



Founded in 1901, Foxworth-Galbraith Lumber Co. is a highly successful company with operations in TX, NM, CO and AZ. We are looking for an experienced sales rep. in Lakeside, AZ.

OUTSIDE TRUSS SALES REPRESENTATIVE

Applicants must possess excellent customer service skills and the ability to read blueprints. Prior truss design experience is preferred. Successful applicants must pass a pre-employment drug test.

Foxworth-Galbraith offers a competitive salary, commissions, vehicle and an excellent benefits package. Please submit resumes to:

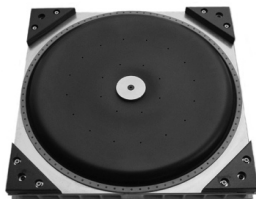
Foxworth-Galbraith Lumber Company
11540 East Santa Fe Loop
Dewey, AZ 86327
Fax: 928.775.3301 or to: tsaunders@foxgal.com
EOE



We are seeking Experienced Truss Designers utilizing the Alpine Design Program. Salary based on experience. Managerial experience a plus. Relocation expense negotiable. Benefits include paid medical and dental, profit sharing, paid vacation and holidays.

For Confidential consideration, please forward your resume to:
Att: Mark Rose
Fax: 904-260-2981
E-mail: mrose@mbs-corp.com

Move and Position Modular Sections With Air Casters



Save up to \$15,000 per year in station to station moving costs

Recent advances now make the Aeris Air Casters competitive with traditional wheels and offer additional benefits.

**Call Aeris and start saving
800-323-0571**

Aeris Corporation
4604 Kolb Avenue, Columbus, GA 31904
706-323-0500 Phone 706-323-0510 Fax
info@aeriscorporation.com email
www.aeriscorporation.com

Circle Reader Service No. 17

WOOD TRUSS & PANEL COMPONENT PROFESSIONALS

Are you looking for a career that rewards and promotes individuals based on performance?

84 Components is currently seeking enthusiastic wood truss and panel professionals. Available positions include General Managers, Sales, Design Managers, Senior or Experienced Designers, and Production Management.

This is an excellent opportunity for motivated individuals to grow with a rapidly expanding, debt-free company. 84 Components currently has 18 manufacturing facilities, with plans for major expansion!

Qualifications:

Qualifying candidates MUST possess experience in the wood truss and/or panel industry.

Locations:

GA-FL-IN-MD-NJ-NC-OH-PA-TN-WV-AZ-CO

For confidential consideration, please forward your resume to:

Attn: Bill Dove, Job Code MAG-BD
Fax: 724-228-2888
E-mail: careers@84lumber.com



EOE M/F/D/V

Drug Free Workplace

Energy Star® Certification
Commercial Modular Structures
HUD Manufactured Homes
Modular Homes
Building Components
Construction Adhesives
Structural Insulated Panels
Engineered Wood Products
Wood Thermoplastic Composite Lumber

PFS
Third Party
of Choice for:

We provide secure electronic plan review, superior testing and evaluation services for hundreds of clients and thousands of products. We can do the same for you.

Assurance you can build on®

PFS Corporation

An Employee-Owned Company

www.pfscorporation.com

2402 Daniels Street, Madison, WI 53718
Phone: 608.221.3361, Fax: 608.223.5560

Circle Reader Service No. 29

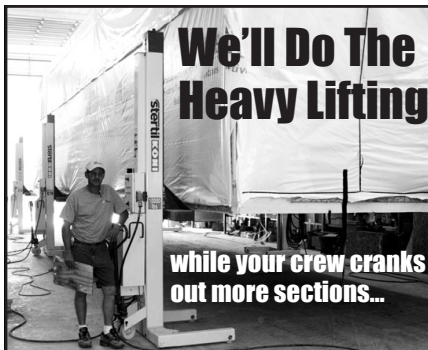
MANAGEMENT • DESIGN • SALES
HRIC places management, sales and technical personnel in truss plants throughout the United States. Check out our Web site at www.hric.com for a description of our services and a listing of open positions and available candidates. For more information, call HRIC TOLL FREE at 888-656-1024.

Circle Reader Service No. 18

DESIGNER/ENGINEER

Top pay, benefits and working conditions—for Wood Truss and Panel Professionals. TRUSS-CO is looking for the best in the industry to join our growing team in the AZ high-demand, component market. Relocation assistance available with a competitive compensation package, full medical, dental and vision plan, plus vacations and a 401K program. If you're interested in becoming one of the industries best, please email resume to trusscojd@msn.com or visit trusscocomponents.com

AB Biz Builders



We'll Do The Heavy Lifting

while your crew cranks out more sections...

The Advantages...

- All lifts synchronized, eliminating drywall damage and racking
- Portability – one person can move a column lift
- Lift height of up to 71" is high enough to allow working under the unit
- Rugged, durable steel construction, usable indoors and out
- Easy placement of sections on transporter

Free Up Your Crew...

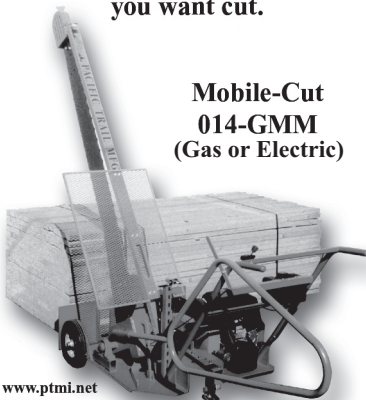
...while you speed up production... one man can operate the entire lift system, with up to 200,000 lbs. capacity

Alan Tye & Associates
1-800-347-3440

Circle Reader Service No. 22

WAIT ONE MINUTE!

That's how long it will take you to cut a full unit of anything you want cut.



Mobile-Cut
014-GMM
(Gas or Electric)

www.ptmi.net
info@ptmi.net

The Mobile-Cut is the perfect saw for pre-processing your longer units of lumber.

Call us today to find out more about the Mobil-Cut or any of our other tight tolerance cutting unit saws.

1-888-910-SAWS (7297)

PACIFIC TRAIL
MANUFACTURING INC.

6532 SE Crosswhite Way
Portland, OR 97206
Fax: (503) 233-0767

Circle Reader Service No. 23



Versatile Performance
With the Classic Repair Clamp

EAGLE

Your Trusted Source

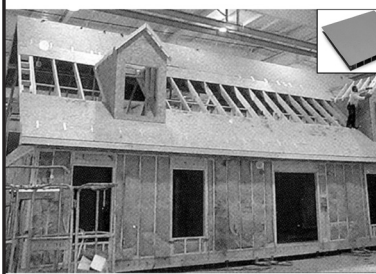
1-800-521-3245

www.eaglemetal.com

Circle Reader Service No. 24

Choose the Air Caster Leader

For the modular building industry and increase floor production 15%



AeroGo Load Modules are placed under the floors providing a low profile, nearly frictionless transfer system

Float your floors on a cushion of air

- Low Profile – Floor height as low as 3 inches
- Omnidirectional or straight line movement
- Ultra-low friction – reduce fatigue & injury

Many product models available for improving your production line results

Call AeroGo: 800-426-4757

HUD-Code switching to Modulares? AeroGo's system can help you GET maximum air rights!

AeroGo
Since 1967

www.aerogo.com/mod

Phone: 206-575-3344 Fax: 206-575-3505
1170 Andover Park West, Seattle, WA USA 98188

Circle Reader Service No. 25

PANELS PLUS®

Building Technology into your Craftsmanship™

Wall Panel Equipment and Accessories
• Customer Service • Quality • Durability

PANELS PLUS...
Providing solutions for The wall panel industry.

505 West Front St. Albert Lea, MN 56007
Toll Free: 866-726-7587

PANELS PLUS® an INNOVANCE® co.
Innovation Drives Performance®

Email: saxsmith@Lou-Rich.com

www.panplus.com



Circle Reader Service No. 26

AB Advertiser Index

Advanced Connector Systems, LLC, p. 40
 Aeris Corp., p. 43
 AeroGo, p. 44
 Alpine Engineered Products, p. 2, 3, 45
 Apex Homes, p. 29
 Ashland Chemical Group, p. 21
 Barvista Homes, p. 28
 Broan, p. 7
 Carolina Building Solutions, p. 28
 Crest Homes, p. 29
 Eagle Metal Products, p. 44
 Eighty-Four Components, p. 43
 Fast Track Foundation Systems, p. 40
 Foxworth Galbraith, p. 43
 Genesis Homes, p. 19
 Haven Homes, p. 27
 HRIC, p. 43
 intelligentBuildingSystems, p. 39
 The Jobline, p. 42
 The Koskovich Co., p. 13, 48
 Manning Building Supplies, p. 43

MiTek Industries, p. 24, 25, 35
 Nel-Struct, p. 45
 New Era Building Group, p. 29
 Oak Creek Homes, p. 27
 Pacific Automation, p. 45
 Pacific Trail, p. 44
 Panels Plus, p. 44
 Penn Lyon Homes, p. 28
 PFS, p. 43
 Pleasant Street Homes, p. 29
 Ritz-Craft Corp., p. 23, 28
 Safety J Crane Hook, p. 40
 Simpson Strong-Tie, p. 4
 S-L Laser Systems, p. 40
 Stiles Machinery, p. 38
 Triad/Merrick Machine Co., p. 37
 Trussco, p. 43
 Alan Tye & Associates, p. 44
 Vanguard, p. 31
 Variform, p. 41
 WoodSmart Solutions, p. 47

AB Coming Events

APRIL

Triad/Ruvo will have their Open House, in Alda, NE. Information at: Lowell Tuma 800-568-7423, ext. 133
 18-20 The 2006 National Congress and Expo for Manufactured and Modular Housing at the Paris Hotel in Las Vegas, NV. Information at: 703-588-0657 or www.manufacturedhousing.org.

20-21 Modular and Panelized Housing Workshop: Technology, Economics and Markets at Rodd Miramichi River Hotel, Miramichi, New Brunswick, Canada. Information at: barry.tupper@forintek.ca or 506.472.2647

Structural Engineering

Experienced structural engineering for all wood and steel components. Truss certifications, alterations and repairs. Laminated wood product design and analysis. Licensed in 36 states, 30 years experience. NFBA and AISC memberships. Discount rates for consistent work.

Nel-Struct
 2620 Stein Blvd.
 Eau Claire, WI 54701
 715-836-9794.

Circle Reader Service No. 21

27th NHC 75th Anniversary Conference 'A Better Commute' at Dorothy Chandler Pavilion, Los Angeles, CA. Information at: www.nhc.org

JUNE

7th NHC 75th Anniversary Conference 'Gala' at National Building Museum, Washington, DC. Information at: www.nhc.org



- Auto 8/10 Presses
- Roller Gantries
- Floor Truss Machines
- Traveling Presses
- Modular Truss Presses
- Finish Rollers
- Flat Truss Stackers
- Live Decks
- Kick-Leg Presses
- Multi-Head Stackers
- Peak-Up Truss Stackers

Call us for your personal quotation and free plant layout



Pacific Automation

Phone: 403-279-2128
 E-mail: sales@pacificautomation.ca

Circle Reader Service No. 16

Increase Your Sales Opportunities

When your customer requires additional sealed engineering or you are passing up potential projects because of your design backlog, look to Alpine Engineered Products.

- Connection Design
- Wall Design
- Truss Layout and Design Overflow Service
- Temporary and Permanent Bracing Diagrams
- Sealed Placement



800-755-6001

Engineering - Kent, Bill, Sowri
 Truss Design - Chuck

Circle Reader Service No. 30

Automated Builder® Reader Service Fast Fax. 1-805-642-8820

READER SERVICE FAX FOR APRIL—Good until JULY 1, 2006

Use this Fax service to learn more about the products, services and ideas mentioned in this issue.

Which of the following best describes your company or firm.

(Check one only)

1. MANUFACTURER OR BUILDER

- ☐ Open or closed panelized/pre-fabricated or pre-cut Home Manufacturer (10)
- ☐ Mobile/Manufactured Home Mfr.(20)
- ☐ Modular Home Mfr. (46)
- ☐ Combination Mobile/Manufactured and Modular Home Manufacturer (25)
- ☐ Office/Commercial/Industrial or other Special Unit Mfr. (26)
- ☐ Production Builder or Builder/Developer who makes or builds with components (30)
- ☐ Components Mfr. of roof or floor trusses, wall panels, stairs or other components(40)
- ☐ Recreational Vehicle Mfr. (27)
- ☐ Marine Home Mfr. (28)

2. DEALER OR DEALER BUILDER

- ☐ Mobile/Manufactured Home Dealer (44)
- ☐ Modular Home Dealer (43)
- ☐ Combination Mobile/Manufactured and Modular Home Dealer (45)
- ☐ Panelized/Prefab or Pre-Cut Home Dealer/Builder (47)
- ☐ Office/Commercial/Industrial or other Special Unit Dealer (48)

3. OTHER RELATED INDUSTRY GROUPS

- ☐ Supplier (Mfr. of Building or Construction related products), Wholesaler or Distributor (71)
- ☐ Architectural Engineering, Design Firm or Consultant (50)
- ☐ Land, Subdivision or Mfrd. Home Site Developer (60)
- ☐ Association, Government, Financial, Insurance or Related Educational or Service Organization (70)
- ☐ Other (Specify) _____

PHOTO COPY COVER ADDRESS LABEL AND AFFIX HERE

Name _____	Title _____	Date _____
Company _____		
Address _____		
City _____	State _____	Zip _____
Phone _____		
Fax. no. _____	E-mail _____	

Please check your firm's Gross Annual Sales Volume.

- r. ☐ Over \$100 million
- s. ☐ \$50,000,001 to \$100 million
- t. ☐ \$20,000,001 to \$50 million
- u. ☐ \$10,000,001 to \$20 million
- v. ☐ \$5,000,001 to \$10 million
- w. ☐ \$1,000,001 to \$5 million
- x. ☐ \$500,001 to \$1million
- y. ☐ Under \$500,000

We have _____ employees

We build _____ units per year

If you don't have a Fax machine, mail the form to: Automated Builder 1445 Donlon St. Suite16 Ventura, CA 93003

I want AUTOMATED BUILDER Magazine free of charge as I believe I am a qualified subscriber.

Continue sending ☐ Yes ☐ No

Start sending ☐ Yes ☐ No

FAX Form MUST be signed and dated for processing.

Signature _____

Date _____

Phone _____

Fax _____

Write numbers here on which you would like a call from a salesman.

Circle numbers of items on which you would like more information.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37
38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70
71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102
103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174
175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198
199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215

READER SERVICE FAX FOR APRIL—Good until JULY 1, 2006



BLUWOOD[®]

THE COLOR OF PROTECTION.[™]

Mold, fungus and termites are costly enemies. BluWood is a powerful defense. A precisely controlled factory treatment is applied to all surfaces of wood components using the proprietary Perfect Barrier System. The result, BluWood treated components, are protected before, during and most importantly after construction. Approved for above-ground roof and floor trusses, roof, wall and floor sheathing, framing and engineered wood components. BluWood is backed by a lifetime limited warranty. To find out more visit www.bluwood.net or call WoodSmart Solutions, Inc. at (561) 416-1972.

What they are saying:

"With Perfect Barrier System treated BluWood components, we believe that we are giving our clients a better building and giving our company additional protection."

*Jeff Harrington
Harrington Construction
Myrtle Beach, SC*

"Building a unique and custom home requires that we stay in the forefront of technological advancement. With Perfect Barrier treated BluWood components we not only create a better environment for our owners, but also ensure that their investment will continue to appreciate."

*Bob Lee
President
Robert Morgan Fine Homes
Charleston, SC and Charlotte, NC*

"Mold and wood-eating insects are two of Florida's biggest building issues. With BluWood, we're protected."

*John Dukovac
President
La Maison Homes
Sarasota, FL*

"Perfect Barrier System's BluWood has added a new dimension to our business. A way to differentiate us from the norm and increase our value proposition to our customers by offering a product that will keep them safe and protected from mold, mildew and termites."

*David Hall
President/CEO
Deltec Building Systems
Asheville, NC*



BluWood, Perfect Barrier and the color blue are all registered trademarks of WoodSmart Solutions, Inc. Copyright 2006 WoodSmart Solutions, Inc. All rights reserved.

APRIL 2006

Automated Builder[®]

Circle Reader Service No. 27

KOSKOVICH

1PG

4/C

“THERES GOING TO BE A TEST”

DISK

QUARK