

**PRODUCT
PROFILES:**
Ventilation p.63

October 2016

Rural Builder[®]

The Business Management Magazine for Rural Contractors
www.ruralbuilder.com

+PLUS:
Trends in
tunnel
ventilation
P. 10



2017 BUYERS'

GUIDE

Products, Services and Solutions





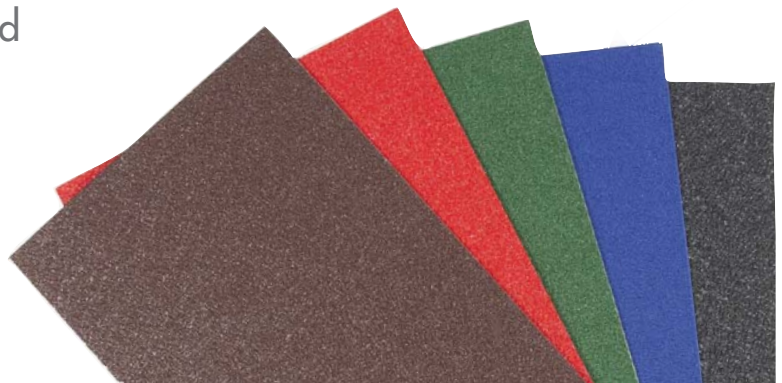
BeckryTex

NEW TEXTURED PAINT SYSTEM



Architectural low gloss anti-reflective coating

BeckryTex technology allows you to design unique and distinctive exterior textured finishes. A flexible, low gloss polyurethane coating, it is most often used on roofing for a well defined wrinkled look that creates the appearance of materials other than metal. A wide range of popular colors are available in this weather resistant product.



Beyond The Surface

Becker Specialty Corporation

2526 Delta Lane,

Elk Grove, IL 60007

info-beckerspecialty@beckers-group.com

P: (847) 766-3555

www.beckers-group.com

Rural Builder

Vice President/Group Publisher
Jamie Wilkinson

Publisher/VP Advertising Sales
Dave Davel

Editor
Sharon Thatcher
sharon.thatcher@fwcommunity.com
715-445-2214, ext. 13644

Advertising Sales
Gary Reichert
gary.reichert@fwcommunity.com
715-445-2214, ext. 13381

Tyler Jensen
tyler.jensen@fwcommunity.com
715-445-2214, ext. 13322

Publication Design
Nicole MacMartin

Production Coordinators
Kathy Budsberg
kathy.budsberg@fwcommunity.com
715-445-2214, ext. 13309

Patti Kirchner
patti.kirchner@fwcommunity.com
715-445-2214, ext. 13319

Subscription Services
386-246-3452

Office Phone
715-445-2214

Office Fax
715-445-4087

F+W, A CONTENT + ECOMMERCE COMPANY

Chief Executive Officer Thomas F.X. Beusse

Chief Financial Officer James L. Ogle

Chief Operating Officer Joe Seibert

Chief Technology Officer Joe Romello

Chief Content Strategist Steve Madden

VP, Manufacturing & Logistics Phil Graham

SUBSCRIPTION SERVICE

Subscription inquiries, orders and address changes can be made at constructionmag-net.com (click on "Subscribe"). Or by mail: Rural Builder, P.O. Box 421751, Palm Coast, FL 32142-1751. Or call (866)805-1574, International (386)246-3452

Rural Builder (ISSN: 0898-3025) Volume 50 Number 7 is published monthly, except January, April, June and November, by Krause Publications, a division of F+W Media, Inc., 700 E. State Street, Iola, WI 54990-0001. Periodical postage paid at Iola, Wis., and at additional mailing offices. Canadian Agreement Number: 40665675. POSTMASTER: send address changes to Rural Builder, Circulation Department, PO Box 420235, Palm Coast, FL 32142. Copyright 2014 by F+W. Rural Builder and its logo are registered trademarks. Other names and logos referred to or displayed in editorial or advertising content may be trademarked or copyright. Rural Builder assumes no responsibility for unsolicited materials sent to it. Publisher and advertisers are not liable for typographical errors that may appear in prices or descriptions in advertisements. Mailed free to rural contractors and their suppliers throughout North America. Others may subscribe: \$29.98 for 1 year, \$55.98 for 2 years, and \$79.98 for 3 years in the U.S.; \$39.98 for 1 year, \$74.98 for 2 years in Canada.



10

FEATURES [OCTOBER 2016]

IN FOCUS / 10

- Trends in tunnel ventilation
- Tests reveals efficiency decline for some 60-inch ag fans

TIPS & TRICKS / 18

Moisture problems and solutions, Part 3
Protecting from surface water

2017 RURAL BUILDER BUYERS' GUIDE / 22

- Product Directory
- Company Directory

POST FRAME FEATURE / 60

A Chattanooga chapel retreat

PRODUCT PROFILE / 63

Ventilation products

[ON THE COVER]

Product photos provided by Klauer Manufacturing, Levi's Building Components, CannonBall:HNP and Fall Protection Distributors. Design by Nicole MacMartin.

DEPARTMENTS

Editor's Note..... 4
Market Pulse..... 4
Supplier News..... 6
Industry News..... 16
Calendar of Events..... 16
Index 50
Money Talk 58
Classifieds 62
New Products..... 57, 66
Anniversary Expo Index.....66

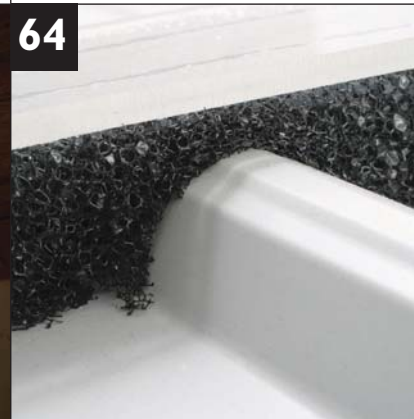
DEC. PREVIEW

- Crew development
- Job site tools & equipment

66



64



E-MAIL THE EDITOR AT
sharon.thatcher@fwcommunity.com

Check our website at
www.ruralbuilder.com

End of the silly season

By the time this issue lands in your mailbox, it will be near the end of two important seasons: the building season and the “silly” season of politics. No matter what side of the aisle you sit, it will bring relief to end the political antics and finally know who will be taking over the Oval Office in 2017. At that point, we can turn our attention to new fears about what that will mean.

In the Mid-Year Collaborative Construction Economic Forecast webinar held in August, Anirban Basu, chief economist for the Associated Builders and Contractors organization, talked about what typically happens after a major election. “With the inauguration of a new president, federal agencies tend to shut down a bit to new spending because there’s new bosses in place waiting for new marching orders from a new administration,” he said. “That can soften things up and I think there will be some impact for 2017.”

Stretching out a bit further, however, he is optimistic, especially in the long-neglected area of public spending on infrastructure. “There is this growing consensus in America, all parties, that America has under-invested in its infrastructure. It’s very alarming that during a period of economic growth, productivity is falling ... There could be policy shifts that expands the amount of money put into infrastructure and into our workers. And I think that would be very valuable, because we can’t get rich as a society if workers become less productive. Wage growth is tied to productivity ... A new president, a new congress—of course that can make things worse—but change is necessary, change is needed.”

You can catch more of what industry economists are saying about 2017 over in the right hand column in “Market Pulse.”

Until then, sometimes it’s best not to get overwhelmed by the big stuff. Just keep hammering away, one nail at a time.

Speaking of which, on my way back from a trip out east in early September I stopped for a visit at Maze Nails in Peru, Illinois. I’ll be sharing more from my visit in a future

issue in 2017. In the meantime, thank you Roelif Loveland and Kim Pohl for a most gracious visit. In the photo, I’m shown with Kim (right), marketing director for Maze Nails.



Sharon Thatcher,
editor
sharon.thatcher@fwcommunity.com
800-726-9966, ext. 13644

MARKET PULSE

Below are comments made during the Mid-Year Collaborative Construction Economic Forecast in mid-August. Forecasters were chief economists Kermit Baker, American Institute of Architects; Robert Dietz, National Association of Home Builders; and Anirban Basu, Associated Builders and Contractors. Overall, the trio presented a cautiously optimistic forecast for the future, providing these intriguing observations.

■ KERMIT BAKER, AIA

Home ownership: “...for the second quarter of 2016, the home ownership rate was 62.9 percent—that’s the lowest home ownership rate in half a century. We’re seeing fewer and fewer households deciding to purchase, and more and more deciding to rent. I think that’s going to reverse in the years ahead, but it looks like we haven’t quite hit bottom yet.”

■ ROBERT DIETZ, NAHB

Home sales: “At the end of the Great Recession, we’ve seen a real shift in what kind of homes builders are delivering. They are higher priced. The gap between new and existing homes is roughly \$80,000 over recent years, and when we look at home size, there’s been a real shift up to larger homes, with the median averaging just under 2,500 square feet. That’s actually higher than what we saw during the building boom in 2005 and 2006. This is really a function of weakness at the low end, where we’ve seen the share of new homes being sold to first-time buyers fall from about 30 percent to less than 20 percent ... That’s a real challenge for builders going forward, how to develop an entry-level product. Where we do see growth is townhouse construction. It has been growing about 29 percent on a year-on-year basis, and that might be a way for builders to provide that entry-level home.”

■ ANIRBAN BASU, ABC

Foreign investment: “We have a lot of foreign money continuing to flow to America, looking for yield, looking for investment opportunities and the office space and lodging segments appear to be very popular among those international investors. Lodging generates income on a daily basis and office space generates income on a monthly basis. So it’s a force of cash flow and that’s what a lot of these foreign investors are looking for ... People are not spending a lot on apparel or other items but they’re spending a lot on entertainment and travel. So the economic support is there, but I think ultimately these markets will be oversupplied.”



**Consistent
and reliable
performance you
can count on.**

**CERAM-A-STAR®
1050 gives you
superior color,
quality, and
durability, time
and time again.**

Building a reputation of consistency and reliability takes time. For over ten years, CERAM-A-STAR 1050 has repeatedly proven itself as the finest silicone-modified polyester (SMP) coating for pre-painted metal. This history of consistent performance allows building owners to experience years of worry-free ownership, with superior chalk and fade resistance and exceptional gloss retention.

**Learn about the performance of
CERAM-A-STAR 1050 at:
www.akzonobel.com/ccna**

■ UNION CORRUGATING RENEWS INVESTMENT IN THE POST-FRAME MARKET

Union Corrugating is renewing its commitment to the post-frame market in its latest moves to continue growing the 70-year-old company. The manufacturer of metal wall and roof panel and accessories, headquartered in Fayetteville, North Carolina, is expanding its lines and physical footprint under President and CEO Keith Medick. Medick has been at the helm for the past three years and was hired to lead the expansion.

Medick told *Rural Builder* that the changes revolve around moving away from the old spoke-and-hub system of the company to one that is more regionally based.

Part of the reason is to counter the proliferation of small regional roll formers who have chewed away at the metal marketplace in recent years by offering lower prices and faster delivery.

Of the two issues—pricing and delivery—Medick says pricing is less of an issue than one might expect. “Customers will pay a slight premium for great service,” he said. The key is in providing the customer a trusted place to go if problems arise. “Everyone can say they have a 40-year warranty, but are they going to still be around if you have a problem?” he said. “We’ve been in business for seven decades, we have a history. If there’s a problem we’ll be here to handle that.”

Changing the old spoke-and-hub system is part of Union’s current strategy. Under the old system, products originated from Union’s Fayetteville plant and hauled by truck to its various facilities around the country. Today’s strategy is to increase production capacity at those outlying locations and to make them self-sufficient. The ultimate plan is to reduce production lead times and significantly speed delivery for finished products.

Medick used its Dayton, Ohio, facility as an example. “We will make plants, like Dayton, less reliant on Fayetteville,” Medick said. “Dayton will be a stand-alone [manufacturing facility].”

The company recently added its 11th production facility, this one in Janesville, Wisconsin. Medick said the 40,000 square foot plant is focused on the post-frame market and serves the upper Midwest (Illinois, Wisconsin, Iowa and Minnesota). It produces G-90 galvanized R-panel and MasterRib products including MasterRib XT for post frame.

The company has also expanded its post-frame products at other facilities, growing from two to six plants focusing on that market. The company offers Galvalume products as well.

This year alone, Union has added equipment at its Scranton, Pennsylvania, plant for a new panel line: R/PBR panel and MasterRib. New trim lines include ridge cap, J-channel, rake and corner and rake profiles. A new 84,000 square foot facility was opened in Tipp City, Ohio, near Dayton, with trim- and panel-making equipment added. In Ocala, Florida, Union added both a panel line and a roll-formed trim line for 2-1/2 inch oval and R/PBR profiles. They are now producing Ridge Cap, J-trim and C-fascia trim lines, in addition to MasterRib, 5V and AdLok II standing seam panels.

Medick said Union has also invested in upgrading all of its locations with a state-of-the-art computerized system better linking the entire company. Still in the works is a barcoding system that will track every product through the company system, from production to delivery.

The company serves an area from the east coast to Oklahoma City, Oklahoma. It sells through national distributors such as ABC Supply and big box stores such as Lowe’s.

FOR INFORMATION CIRCLE 100

■ CLT MANUFACTURER FIRST IN U.S. TO PASS FIRE SAFETY REQUIREMENTS

D.R. Johnson Wood Innovations, the nation’s first certified U.S. manufacturer of Cross-Laminated Timber, has become the first North American CLT manufacturer to achieve significant fire safety requirements under tests designed to gauge flame spread and fire resistance.

The flame spread test was performed by QAI Laboratories in California using the standard flame spread and smoke density classification tests in accordance with ASTM Designation E84-15b, “Standard Method of Test for Surface Burning Characteristics of Building Materials.” The test identifies the rate of the spread of fire across the building material, and it places the results into three classifications: A, B, and C, with A being the highest rating and C being the lowest. D.R. Johnson’s CLT panel achieved an A rating, meaning there was minimal spread of fire across the building material over the test’s standard time period.

The fire resistance test was performed by a separate U.S.-based firm using ASTM E119-16, “Standard Test Methods for Fire Tests of Building Construction and Materials.” This test evaluates the duration for which a building material will contain a fire, or retain its structural integrity, during a predetermined fire exposure time. For D.R. Johnson’s CLT panels it was determined that the underside of the CLT panel would be exposed—other CLT tests encased the panel in drywall—and that the test would last for two hours. Despite being fully exposed, the panels passed the test, meaning it contained the fire and held its structural integrity for the full two hours.

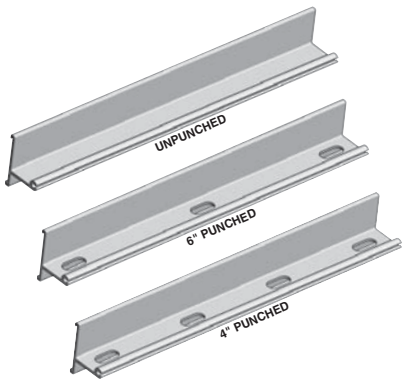
“This is the first time in North America that a CLT panel has achieved both of these fire safety requirements, which is excellent,” said David Barber, principal at Arup and one of the nation’s leading fire protection engineers. “It’s a sign that advanced wood products, when engineered to the highest standards, are a safe alternative to other traditional building materials.”

DYNA-GUARD®



IT IS TIME FOR A **CHANGING OF THE GUARD**

DYNA-GUARD® is a snow retention system designed to be installed on metal roofs. We are discontinuing the line of S-5!®/COLORGARD® and related products. Please call for our close-out prices on S-5!®



DYNA-GUARD is an 8' long extruded aluminum stick with a T-shaped profile. DYNA-GUARD is stocked in: unpunched, 4" and 6" center punched. . . **AN EXCLUSIVE DYNA-GUARD ADVANTAGE!**



SNO-DAMS® inhibit the ability of snow and ice to slide under the installed DYNA-GUARD.



DYNA-GUARD® Snow Retention System installed on a metal roof.



DYNA-CLAMPS® are non-ferrous non-piercing clamps for attachments to standing seam metal roofs.

Our DYNA-CLAMPS have undergone extensive testing by the esteemed Encon Technology, Tulsa, OK. All DYNA-GUARD, DYNA-CLAMP and SNO-DAM items are extruded from aircraft quality, high tensile aluminum "6005A T61 Aluminum". All of these components are proudly manufactured in the U.S.A. Over the last 15 years, our factory has produced over **5 million pounds** of aluminum snow retention components for metal roofs. Therefore, when you buy from us, you know that you are purchasing the highest quality parts manufactured by a proven veteran at supplying high quality snow retention components to our metal roof industry. Since we have a mutually exclusive relationship with our factory, you must purchase DYNA-GUARD and DYNA-CLAMPS to know that you're receiving the *true* time-tested results/benefits of dealing with our high quality factory.

We are factory-direct on all of these components. Therefore, our valuable contractor customers benefit by paying substantially lower prices. Our valuable O.E.M. customers benefit by eliminating minimum order quantities and by eliminating any lead-time – which can stretch out to unacceptable lengths of 4 or even up to 6 weeks with some of our competitors. O.E.M.'s; our huge inventory levels will translate into less of your cash tied up in your inventory and typically completely eliminate the frustration of dealing with needed items that are on backorder.

DYNAMIC FASTENER • 800-821-5448

S-5! and ColorGard are registered trademarks of Metal Roof Innovations Ltd. DYNA-GUARD, DYNA-CLAMP and SNO-DAM are registered trademarks of Dynamic Fastener Service Inc.

Circle Reader Service #316

GOOD, BETTER, BEST: HOW TO PICK A METAL ROOF

BY MARK MULLINS,
FABRAL

Applications Engineer
Product Training Manager



When looking into which metal panel system to use on your project, you may want to use a good, better, best thought process. The good metal roofing system is typically an exposed fastener

panel that is the most economical and easy to install. These panels are usually 3' in coverage; other options are available depending on manufacturer and profile. Exposed fastener panel systems typically use SMP (Siliconized Modified Polyester), a standard polyester paint system with silicone added help reduce weathering and retain color. Exposed fastener panels may be used on a variety of projects ranging from barns, sheds, and light commercial and even residential projects. Many exposed fastener panel systems may be installed over open purlins and solid deck.

Concealed fastener panel or standing seam systems fall into the better category. The standing seam panel is considered better because there are no fasteners visible in the roof other than for trim attachment and many times these fasteners may be rivets. Not only does the standing seam look better, in many opinions, there are no penetrations through the metal where the fasteners would be located. The better panels are typically a 26 gauge steel standing seam with a fastener flange and 1" high seam. The better panel will, in most cases, contain ribs that break up the flat pan of the panel to minimize oil canning (waves that can appear in the flat area of the metal roof or wall material).

The best metal panel system will also be a standing seam with a thicker 24 gauge substrate, taller seams and a clip installation that allows the roof to float. This metal roofing system may be offered with a flat pan surface, without ribbing, since the thicker substrate will better withstand oil canning. They may be offered in high-reflectivity Energy Star approved paint systems that can reduce building heating and cooling costs. These standing seam panel systems are typically used for residential or commercial applications and should be installed over a solid deck.

COLUMN SPONSORED BY FABRAL

supplier news

■ ATLAS PRESIDENT RANDY RIDENOUR TO RETIRE



Randy Ridenour, president of Atlas Bolt & Screw Company LLC, has decided to retire at the end of 2016 after 32 years with the company.

Ridenour joined Atlas in 1984 as Central Region branch manager and held positions of increasing responsibility leading to his promotion to president in November 2009. "Throughout his career, Randy has made a significant positive impact not only on Atlas but also on numerous industry associations where he is highly respected for his service," said Michael Hartley, president of the Marmon Construction Fasteners Group. Ridenour will continue to support Marmon as

a consultant on various initiatives during 2017.

"To say that Randy will be missed would be an understatement," Hartley said. "At the same time, he has built an excellent management team that will enable a seamless transition in leadership and continued exemplary service to Atlas customers."

With Ridenour's retirement, Scott Bowers, Atlas Business Unit Manager for Metal, and Don Bratcher, Business Unit Manager for Wood, will each have full autonomy to run their businesses and both will report directly to Hartley.

■ FABRAL EXPANDS POWERSEAM LINE

Fabral has added a new metal structural standing seam panel system. Effective Sept. 1, the new architectural Powerseam II profile became available through the company's Gridley, Illinois, Lancaster, Pennsylvania, and St. Joseph, Minnesota, manufacturing facilities.

As with the existing Powerseam profile, Powerseam II is a mechanically seamed structural standing seam roof panel system that can be bent, curved and tapered. Powerseam II is offered in .032-inch aluminum and 26-, 24- and 22-gauge steel. While Powerseam II can be fabricated in the factory, mobile roll forming equipment will also allow onsite field-forming for projects requiring a long-length panel system. Stiffening ribs and shadow lines are available.

For more information circle 101

■ MFM BUILDING PRODUCTS RELEASES NEW INSTRUCTIONAL VIDEO

MFM Building Products has released a new instructional video on the proper installation techniques for the company's line of window flashing tapes.

This step-by-step video illustrates the proper flashing steps and installation tips for its WindowWrap products to ensure that the window enclosure is waterproofed correctly.

According to David Delcoma, MFM Product Marketing Manager, "It is not uncommon for us to see windows flashed incorrectly, which ultimately will lead to failure at these vulnerable areas of the building structure. The video helps to educate all installers of self-adhered window flashing tapes on the proper steps for a successful job."

The WindowWrap Instructional Video is available for viewing at the company's website, MFM YouTube Channel and MFM Facebook page. DVD copies of the video are also available by contacting the company.

For more information circle 102

BUILD WITH CONFIDENCE. BUILD WITH FABRAL.



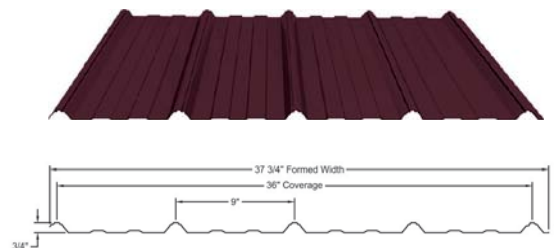
A Premium Panel Designed for Optimum Performance



Grandrib 3[®] Plus

This premier Grandrib 3 profile delivers optimum performance through a G90 coating and 29 gauge structural-quality galvanized steel.

Applications	Ideal for light commercial, residential and post frame projects
Substrate	Galvanized G90
Finish	Enduracote [®] SMP paint system (providing 10 layers of protection) available in 20 Energy Star approved colors
Warranty	<ul style="list-style-type: none">• Lifetime film integrity• 30-year chalk and fade• 25-year non-perforation for walls• 20-year non-perforation for roofs• 15-year edge rust



FABRAL[®]

METAL WALL AND ROOF SYSTEMS



800-477-2741 | FABRAL.COM

Circle Reader Service #393

Trends in tunnel ventilation

AS FARM BUILDINGS GROW IN SIZE, AND LIVESTOCK HERDS GROW IN NUMBERS, SO TOO ARE THE CONCERNS FOR PROPER VENTILATION.

While natural ventilation is still common—especially in the beef industry—the poultry and swine industries use a lot of tunnel ventilation which uses large fans to generate air movement over the animals. That concept is also showing up in some dairy facilities.

Morgan Hayes, PhD, P.E., University of Kentucky, has worked in several areas of the Midwest and has seen the various trends. She noted: “People are more conscious of heat stress right now and concerned about it. As a result more people have moved from either natural ventilation or traditional sidewall ventilation to tunnel ventilation.

“The poultry industry traditionally uses a lot of tunnel ventilation,” Hayes continued. “The concept with tunnel ventilation is that you pull air in and you move it along the length of the barn with the most air speed that you can gain.”

Fans are located at one end of the barn and the air entry point at the opposite end. Air entry can be either through multiple basic openings or openings designed with evaporative cooling pads. This system is particularly used in the broiler industry and larger fans, in the 48- to 54-inch

range, are the most desirable.

For the layer industry, sidewall or cross ventilation is popular. Fans are evenly distributed along the sides of the barn. Air enters through ceiling inlets and is drawn down through the space.

Hayes has seen the swine industry move from more natural ventilation in the Midwest to more mechanical ventilation in the past few years. Some producers are also commonly using 48- and 54-inch fans.

The dairy industry has been taking some steps toward tunnel ventilation systems but the larger dairy barns can require a lot of airflow and the desire for bigger and better fans is an ongoing goal for those facilities. Doug Overhults, PhD, P.E., also with the University of Kentucky, explained: “One of the attractions of the bigger fans is that you have fewer of them to maintain, and for the builder, it’s easier and less costly to put in fewer larger fans than more smaller fans...”

New trends

Tunnel ventilation systems have been around for a long time, but there are some interesting new trends.

Positive pressure ventilation (PPV) “In the swine industry, at least some of the farmers have started using a positive-pressure design for their barns,” said Hayes. “They build barns with filtration sys-



ABOVE Tunnel ventilation systems are popular for poultry, swine and dairy barns. The fan banks shown above help to ventilate a large dairy operation located in eastern Wisconsin.

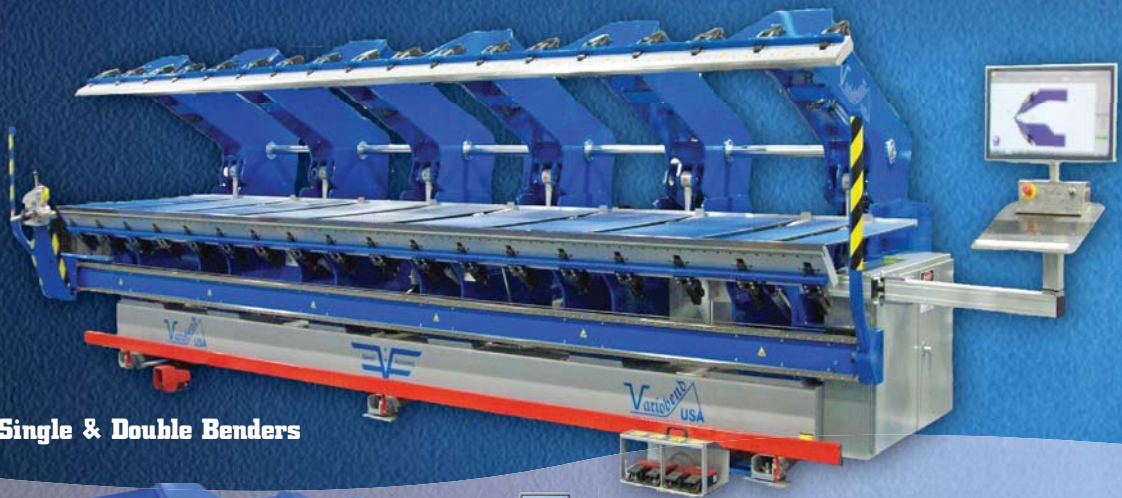
tems that push air into the barn rather than pull air out.”

Hayes noted that it requires a fairly large inlet area, “so they build large gables to handle all the filters, or offsets to the side of the barn to allow air into the barns. That’s a really unique and different design. It requires a little different construction because positive pressure means we need to focus on construction meth-

Variobend USA

A Unique Hybrid of European Design
& American Manufacturing

Sheet Metal **FOLDING MACHINES**



Single & Double Benders



 **NEW!**

*Whisper-Quiet, Lightning-Fast, 2nd Generation
Servo Drive Technology, offering **Unrivaled**
Productivity while consuming even **Less Energy!***

This patented, unique and cutting edge bending system not only offers flexibility and dramatically reduces material handling, it's also capable of bending an unequaled amount of exclusive profiles. Features user-friendly touch screen with high tech software that is simple & easy to understand! A superior machine at a competitive price!

Hershey's

The

Metal Meister LLC

Kejn
(no)

Problem

HERSHEY'S THE METAL MEISTER, LLC

420 PROGRESS DR. MATTOON, IL 61938

TOLL FREE: (877) 289-3030

INFO@HERSHEYSMM.COM

BY SHARON THATCHER

ods to keep moisture out of the walls.”

So far, Hayes has only seen the design used for the swine industry. “It’s gained popularity in the Midwest,” she noted. “I think the first barn we saw with this design was about a year-and-a-half ago, but a couple of farmers are using it, or at least testing the waters with their breeding herds, their more valuable animals. For some frame builders, long term, that could be a very interesting topic.”

Direct-drive fans. Another trend that Hayes has seen are direct-drive fans. “Traditionally we’ve had to put a variable speed control before the motor and they’re sort of inefficient when fans go below 100 percent [of operation speed],” she said.

Winter conditions are a case in point when fans are turned down. In those lower ranges, fans become more inefficient.

“And now they’ve come out with a direct-drive motor that’s able to reduce RPM on the fan and maintain or improve the energy efficiency of those fans. It’s an interesting concept for the industry as a whole,” she noted.

The new fans are more expensive, but Hayes believes they could become game changers for winter ventilation systems.

Ventilation basics

The objective of proper ventilation is always the same regardless of the animal, Overhults explained. “The general nature of ventilation is similar in that, in the wintertime, it’s all about removing moisture, ammonia and dust, just keeping the air fresh, supplying oxygen ... In cold weather that’s usually a pretty low rate of ventilation,” he said.

“Then you progress to moderate weather when the rate goes up a little and you’re trying to maintain the target temperature in the building. And that target rate would be different for different animals and different growth stages. For poultry, for instance, smaller birds [with the exception of young chicks], you might be looking at temperatures inside that are 75 or 80 degrees; where for pigs you might be looking at 70 degrees or lower. And for dairy cattle the target temperature would be much lower, maybe 55-60 degrees. That makes your ventilation requirements a little different.

“Then you progress into summer, more hot weather conditions. Most all animals needs some cooling of some kind, and you can accomplish some of that just by exchanging the air in the building more rapidly. But air exchange alone usually is not sufficient to get the animals into their desired comfort zone.”

Evaporative cooling pads are a popular cooling system in some parts of the country for tunnel ventilation systems, particularly for poultry and swine. “The effectiveness really depends on what part of country you’re in,” Overhults said. “Where it’s really humid, they don’t work quite as well as they do in dryer climates.”



Photo courtesy of BESS Lab

Tests reveal efficiency stalls for some 60-inch ag fans

Bigger is better only to a point

When it comes to big fans and their benefits for agricultural ventilation, the old logic that bigger is better has hit a snag. Researchers at BESS Lab operated by the University of Illinois at Urbana-Champaign have tested a number of 60-inch fans only to discover that, at a certain point, energy efficiency does not always continue to increase.

Morgan Hayes, Ph.D., P.E., formerly at the University of Illinois, and now at the University of Kentucky as a Livestock Systems Extension Specialist, believes the problem may lie in the dead air space of a fan’s standard design.

“A fan pushes most effectively at the end of the propeller blade,” she explained. “That’s where it can push the most air, on the outside of those blades. The companies that design fans constantly work on the propeller geometries and dimensions to get the most air through a fan. I think with these very large fans the center portion, the sort of dead area of that fan, grows as well and they haven’t successfully been able to move through that dead area to get the efficiency as high as they would like it to be.”

That’s not to say that fan companies won’t find a solution to the problem. They are working on it. But in the meantime, you might want to consider the alternatives.

“The bigger-is-better philosophy is somewhat true, but sometimes you’d be better to have a few more smaller fans depending on the set-up of your barn,” Hayes said.

Bottom line, the 48- and 54-inch size fans, prevalent for tunnel ventilation systems, is still optimum size for efficiency.

“The assumption was always that going from an 18 to a 24 inch, or a 36 to a 48 inch fan, you’re going to move more air and you’re going to do it more efficiently. The trick is, when you get to 60 inches, you can move more air but you can’t do it more efficiently,” Hayes explained.

The industry most affected by the 60-inch fan conundrum is the dairy industry. “The dairy industry has moved the most aggressively to the 60-inch fans, probably because they want air speed with big animals,” Hayes said. “They think: big animals, big fans. The goal is always to move more air through the same size opening by improving that design on the propellers, and to do it with less energy. Energy



BUILT FOR POST FRAME

THE INDUSTRY'S LEADING MANUFACTURER AND SUPPLIER OF POST FRAME BUILDING ACCESSORIES

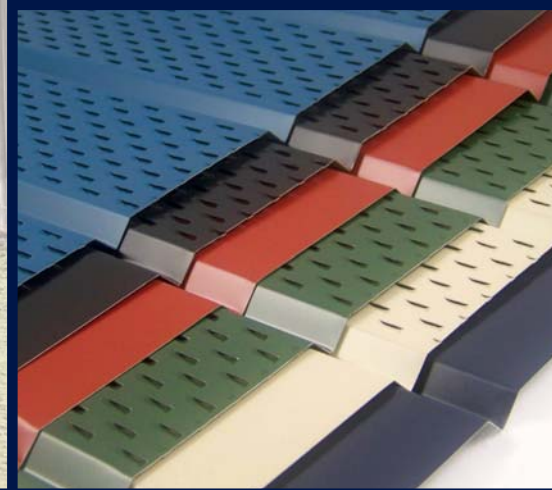
Since 1985 MWI Components has been manufacturing quality products for the Post Frame Industry, right here in Northwest Iowa.



THE SOURCE FOR ALL YOUR POST FRAME NEEDS

CUPOLAS • WEATHERVANES • RIDG-VENTS® • WALL LOUVERS
SOFFIT & TRIM • UNI-VENT II™ • TEMPShield™ FOIL INSULATION
DUTCH DOORS • POLYCARBONATE PANELS • ARCADIAN SLIDERS
HORSE STALLS • LABOR SAVER • PVC LINER PANELS & TRIMS
FOUR PROFILES OF SLIDE FRAME • UNI-VENT III™ • UNI-SEAL
SLIDING DOOR TRACK & HARDWARE • SABRE LATCH®

****NEW IN 2016** VINYL WINDOWS**



MWI Components • www.mwicomponents.com

1015 32nd Ave West • Spencer, Iowa 51301

Ph: 800-360-6467 - Ext 5 • FAX: 800-361-3452

Circle Reader Service #308



BY SHARON THATCHER

Evaporative cooling pads are part of the air inlet system located on the end opposite the fans. The incoming air passes through a cellulose pad about 6 inches thick. That pad is wetted and the air evaporates the water as it passes through the pad. The cooling effect can be from 10 to 20 degrees depending on weather conditions.

Problems/Solutions

While most experienced builders make the correct decisions for helping to assure optimum results for tunnel ventilation, there are some common mistakes that are made.

“The most common error is when people are putting in a ventilation system and they don’t have enough openings in the inlet side. You’re looking for fairly large openings for the air to come through, because every time you choke it down, it makes the fan work harder,” Hayes said.

That can happen particularly when a barn is being retrofitted for a larger fan or when a second barn is built using the blueprint of the first. “[The builder] has cut bigger openings for the fans but they haven’t made a bigger opening for the inlet,” Hayes said. “If you are a builder and asked to frame out an additional fan, it would be good to ask if the farmer also wants additional inlet area.”

Another mistake Hayes has seen is fans that aren’t squared into their openings.

“Fans operate best if they go in square into a nice tight opening, properly built for the size of their shroud. So when those aren’t squared or not built right and someone has to jerk them into position and it torques the fan itself, it can change the efficiency on a fan. So make sure those openings are properly sized. It’s like putting in a window: it just doesn’t work well if it’s not a square opening.”

Overhults points to potential electrical problems. “It’s pretty important that they get their electrical system setup so they can operate all these fans. We’ve seen problems with some low voltage at the fans. Some of these barns can get really, really long and the wiring runs are very long. If the wiring is undersized,

you can get some excessive voltage drops. I know many builders subcontract someone to do the electrical work, but they need to make sure that the electrician has his ducks in a row, because it does come up as an issue sometimes, and it’s pretty critical and hard to fix.”

Orientation is also important, especially for naturally-ventilated barns. “The best orientation sort of varies with location in different parts of the country. An east-west ridgeline works well in many places but you generally want to limit your exposure to wintertime prevailing winds and maximize your exposure to summertime prevailing winds. Avoiding any nearby airflow obstructions on the site is also important,” Overhults reminded.

Having two barns built too close together can change the wind dynamics. When building a second barn, know what changes may be needed to assure proper ventilation for both barns.

Still other issues arise when a new trend in caring for animals is introduced. An example is compost-bedded pack barns. Overhults has seen these in dairy operations in Kentucky.

A compost-bedded pack barn is an open barn where the cows are housed between milkings. They rest on top of a manure pack that is stirred with a rototiller or shank-type cultivator at least once or twice daily and topped with dry sawdust. “It’s stirred frequently to keep air in it, so it composts,” Overhults said. “It’s relatively dry because the heat generated from the composting action tends to drive off some of the moisture.”

Most compost-bedded pack barns have been built for use with natural ventilation systems and it is important to allow adequate space for the moisture to escape from those barns. Although the composting action tends to drive off some of the moisture, it is critical for the bedded pack not to become too wet Overhults noted. “Having an outlet for moisture in wintertime, a ridge vent, is something we’ve had to talk to people about a lot,” he said. “That’s a pretty important part of the building, to give an air outlet and take advantage of the fact that warm, moist air will rise and needs a place to exit the barn. **RB**

efficiency has become very important in the last couple years.”

Just remember that, as a general rule, bigger fans are more efficient than their smaller counterparts until you hit that 60-inch mark when efficiency flatlines.

BESS LAB

Not all fans that fit in a given opening perform equally. To determine the most efficient fans available, the BESS Lab is a good place to keep an eye on testing results. The lab was developed in the 1990s in response to the need for testing agricultural fans. Previously, testing was available at a facility that was geared primarily towards commercial and industrial fans. Fan companies that were focused on the ag industry felt a need for a more ag-focused option.

Hayes explained that the lab is “basically a large wind tunnel where we can precisely control air speeds and pressures to determine how well the fan performs. ... It’s designed to give you a standardized way to evaluate your fans and to confirm the performance values the company is suggesting a fan can do.”

BESS Lab does not test every fan available, it relies on the fan companies to request their testing services, but because the testing is highly regarded in the field, there are a number of companies that seek the testing to help validate their product claims. Tests conform to official protocol set by the AMCA (Air Movement and Control Association International, Inc.)

Always reference performance data rather than assuming bigger is better. “The data of BESS Labs should give you a best-case scenario of how that fan will perform in the field,” Hayes said, noting that the results should be considered only a guide. “Realistically, your [fan] performance won’t be as good because dust and dirt will build up, but at least it will give you a baseline about how the fans can perform.”

Results are available online. Find them at: <http://bess.illinois.edu>. Other performance test results can be found there for circulating fans and poultry house light traps. **RB**

100%
MADE IN THE USA



MAZE is the only nail manufacturer that can make that claim!

Roofing Nails



- ★ MAZE double hot-dipped galvanized ring shank roofing nails are **Miami-Dade County Approved!**
- ★ MAZE roofing nails are available in hand drive and coils for easy application!
- ★ MAZE roofing nails are available in both double hot-dipped galvanized and stainless steel!

mazenails.com

1.800.435.5949

Miami-Dade County, Florida
Notice of Acceptance (NOA)

NOA Number: 16-0712.06
Expiration Date: 8/17/21



■ Legislation would delay overtime rule implementation

Legislation passed in the U.S. House of Representatives on September 28 would delay implementation of a new overtime rule established by the U.S. Department of Labor Wage and Hour Division. The bill, the Regulatory Relief for Small Businesses, Schools, and Nonprofits Act (H.R. 6094), passed the House by a vote of 246-177.

Senator James Lankford (R-Okla.) introduced a companion bill in the U.S. Senate. If passed as well by the Senate it would delay implementation of the rule for six months.

Senator Lamar Alexander (R-TN), who signed onto the Senate bill as a co-sponsor noted that “49 percent of business owners in this country say they aren’t even aware of this rule that goes into effect on December 1—two months away. Congress needs to delay this rule and give hard-working Americans the time necessary to prepare.”

Only a week earlier, the Associated Builders and Contractors (ABC) and a coalition of business groups had filed suit against the DOL contending that the rule was too costly and burdensome. Set to start on December 1, it would have raised the threshold of eligibility for overtime pay to salaried workers making up to \$913 weekly (\$47,476 annually).

Currently, overtime pay is restricted to workers who make less than \$455 a week (\$23,660 annually).

ABC Vice President of Legislative and Political Affairs, Kristen Swearingen, noted that the rule “is particularly problematic for construction business owners who often need to project costs and workforce needs over multiple years for projects managed by exempt employees ... This rule will create uncertainty for contractors and their employees by forcing contractors to speculate about employees’ status years into the future when work on a project will actually be performed.”

U.S. Labor Secretary Thomas E. Perez’s had quickly issued a statement on the lawsuits defending the overtime rule. “The overtime rule is designed to restore the intent of the Fair Labor Standards Act, the crown jewel of worker protections in the United States. The crown jewel has lost its luster over the years: in 1975, 62 percent of full time salaried workers had overtime protections based on their pay; today, just 7 percent have those protections—meaning that too few people are getting the overtime that the Fair Labor Standards Act intended. I look forward to vigorously defending our efforts to give more hardworking people a meaningful chance to get by.”

■ Will robots replace construction workers?

Robots have already claimed many manufacturing jobs, so is it just a matter of time before they take over construction labor as well? That speculation was recently entertained by Dr. Joey Shorter, Director of Research for the National Electrical Contractors Association in response to comments by Alison Carnwath, chairman of one of the largest construction firms in London who believes that “we’re moving into the era of the robots” when robots will be building skyscrapers.

In a NECA news release, “Robots: Increased Productivity vs. Human Layoffs” Shorter noted, “We’ve already seen robotics in 3D printing construction of homes and buildings. Videos of SAM, the computerized brick mason, have also been widely circulated. You may have also seen the hydro-robots used in highway reconstruction. The point of all this is to highlight the fact that robotics are being used quite effectively on the construction site already. How long will it be before the high-tech human-operated tools will be combined with such robotics to deliver a super-construction worker robot able to do the work of a small human workforce on the job site?”

01/

JANUARY

Jan. 16-17, Northwestern Building Products Expo, Doubletree by Hilton Bloomington, Minneapolis; Northwestern Lumber Association; www.nlassn.org; 763.595.4060.

Jan. 31, Wisconsin Lumber Dealers Convention, Kalahari Resort & Convention Center, Wisconsin Dells, WI; Northwestern Lumber Association; www.nlassn.org; 763.595.4060.

02/

FEBRUARY

Feb. 20-21, Iowa Lumber Convention, Prairie Meadows, Altoona, IA; Northwestern Lumber Association; www.nlassn.org; 763.595.4060.

03/

MARCH

March 1-3, International Roofing Expo, Mandalay Bay Convention Center, Las Vegas, www.theroofingexpo.com

March 7-8, Nebraska Lumber Dealers Convention, Younes Conference Center, Kearney, NE; Northwestern Lumber Association; www.nlassn.org; 763.595.4060.

March 8-10, Frame Building Expo, Gaylord Opryland Resort & Convention Center, Nashville, TN; www.nfba.org

March 15-16, North/East Roofing Contractors Association (NERCA), Atlantic City, NJ, www.nerca.org

SINCE 1951

FASTENERS & CLOSURES
RIDGE VENTS
STALLS
CHAMPION DOORS
TRACK & HARDWARE
COMPONENTS
WALK DOORS
COMMERCIAL
PLYCO
DUTCH DOORS
INSULATION
METAL BUILDING SYSTEMS
CUPOLAS
STRONG

ONE WORD IN CONSTRUCTION EXCELLENCE

Since 1951, one word in the post frame and commercial construction industry has become synonymous with quality products and excellence in customer service – **PLYCO**. Plyco continues to stand by you and their commitment to providing a full line of products that surpass building codes and customer expectations. **Build PLYCO Strong**



PLYCO

CORPORATION
Elkhart Lake, Wis.

www.plyco.com • 800.558.5895

WINDOWS • WALK DOORS • WALL VENTS • RIDGE VENTS
SLIDING DOOR TRACK • SLIDE DOOR RAILS • PLY-FOIL INSULATION
HORSE STALLS • FASTENERS & CLOSURES • SPECIALTY PRODUCTS

NFBA
BUILDING OF THE YEAR
Supplier



Moisture problems and solutions

Because addressing present or potential moisture problems in a building is so critical, *Rural Builder* has teamed up with Joseph M. Zulovich, Ph.D., P.E., in a series of five articles that looks at the primary causes and cures of moisture problems and solutions. Part 3 addresses the second main moisture source—subsurface water and soil moisture. The series will continue in subsequent issues of *Rural Builder* and made available online at RuralBuilder.com.

Protecting from subsurface water [Part 3]



Any building has the potential to have challenges from subsurface water and soil moisture simply because the building has direct contact with the soil. However, the building practices to protect a given building depend upon the site soil characteristics and seasonal and permanent water table depths, along with the building foundation type. Types of building foundations to be addressed include concrete wall and foundations for shallow crawl spaces, deep basements, partial or walkout basements as well as slab-on-grade and post-frame construction foundations.

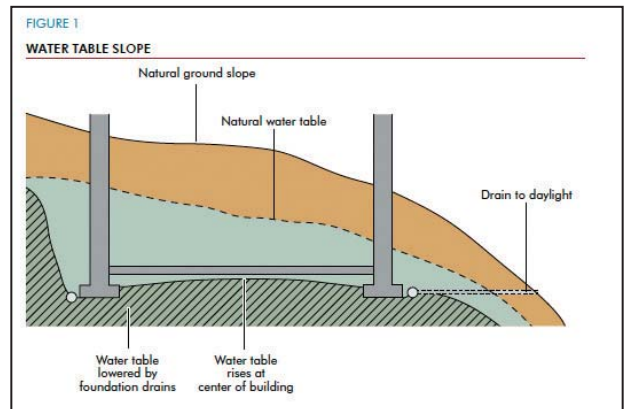
Three different strategies are typically implemented to control subsurface water and soil moisture. These strategies include the following:

1. **Control or Minimize Subsurface Water** – Use foundation or footing drainage to remove subsurface water from contacting the building foundation and footings.

Foundation and footing drainage provides the base control of subsurface water by removing the water from the soil next to the building. Keeping water away from a building foundation protects the building from frost-heave problems and minimizes any unwanted water leakage into a building's basement. Two publications provide detailed discussions about foundation drain systems for slab-on-grade construction, crawl space foundation construction and basement wall foundation construction. The first one is "Moisture Control Guidance for Building Design, Construction and Maintenance" (available from the U.S. Environmental Protection Agency at www.epa.gov/sites/production/files/2014-08/documents/moisture-control.pdf). The second one is "Build a Better Home: Foundations" (available from APA – The Engineered Wood Association at www.apawood.org). The APA publication focuses on home construction but the foundation information is applicable for any building that uses wood frame construction on top of a concrete foundation system.

Either a seasonal or permanent high water table can adversely impact a building's foundation. A properly designed and installed foundation drainage system can lower the elevation

of a water table. The water table can be lowered because the foundation drains allow subsurface water to drain out of the soil around the building foundation. The resulting subsurface water-free zone provides a place for a building foundation to exist without being impacted by subsurface water in contact with the building foundation. The ability of a foundation drainage system to lower a water table is discussed in more detail and shown in **Figure 1** from the APA "Build a Better Home: Foundations" publication.



A post-frame building foundation can be protected from subsurface water using a foundation drainage system if a high water table is found on a post-frame building site. The drainage system must be placed outside (typically two feet or more) of the post foundations and at a lower elevation than the bottom of the post foundation pads. The installation of a foundation drainage system must not impact the post foundations, which must be free of subsurface water to minimize frost-heave issues.

2. **Minimize Surface Water Infiltration** – Implement building foundation construction practices and surface water drainage practices to minimize surface water infiltrating close to building



Welcome To The Next Generation Of Durability



Tried and tested in the harshest environments.

Everlast Roofing, Inc. is proud to introduce you to Colorbond®, a proprietary paint system which provides superior protection and resistance against weather and UV exposure. Developed by Bluescope Steel through extensive research and real-world application, Colorbond surpasses all other pre-painted steel in both field-testing and real world applications for over 50 years. Exclusively available through Everlast Roofing in the U.S.A., Colorbond® comes in 17 long-lasting colors. The addition of Colorbond®'s proven paint system to Everlast's well-known durable and innovative metal roofing and siding, Everlast Roofing can confidently say that "Our Name Says It All".



Learn More About Our Innovative New Process Now
everlastroofing.com • 888.339.0059

Circle Reader Service #407

Surface water that infiltrates into the soil becomes subsurface water. The key is to minimize surface water infiltration near a building. As discussed in part two of this series, good site drainage must be established so surface water drains

away from building. However, foundation drain systems need to be protected from surface water infiltration flooding. Many foundation resources will show the need for granular backfill or gravel to be placed against a basement founda-

tion wall, especially on building sites with clay and/or highly expansive soils. The granular or gravel backfill helps protect the foundation wall from high soil pressures when soils expand during wet periods. A low permeability soil needs to be placed at least six to eight inches thick to minimize surface water infiltration directly into the granular or gravel backfill. If the granular backfill is installed from the drainage system to the top of the finish grade around a building, rainwater is likely to drain directly into the gravel backfill especially during heavy and extended rainfall events. When rainfall directly enters a foundation drainage system, the drainage system typically becomes flooded because the typical 4-inch perforated drainage pipe is not nearly large enough to serve as a storm water drainage system. If a building basement with a basement foundation often becomes wet during heavy or extended rainfall periods, check to see if rainwater can easily enter the foundation drainage system.

Fight Condensation Without Insulation



A Necessity for Any Steel Roofed Building That is Not Climate Controlled.

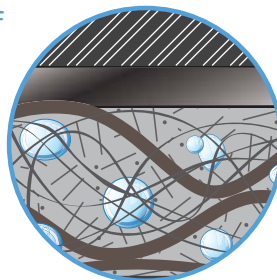
- Post Frame/agricultural buildings
- Steel buildings
- Self-storage
- Workshops/unattached garages
- Open-walled structures
- Carports, truck ports & RV storage

DripStop Stops the Dripping from Condensation.

When condensation occurs, moisture gets stored in the specially designed pockets of the DripStop membrane.

DripStop is applied at the time of roll forming

- Arrives on-site already on roof panels
- Helps fight corrosion in livestock confinement
- Significantly reduces construction time
- Saves money



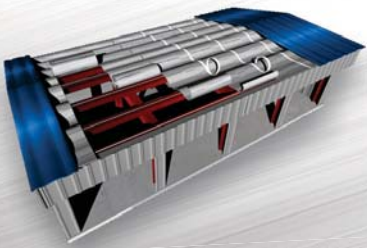
Ask for it from your preferred steel panel supplier

Visit our website at www.dripstop.com or call us at: 1-(937) 660-6646

Circle Reader Service #384

3. **Protect from Soil Moisture**
 - Install vapor barriers and capillary breaks to protect the building from soil moisture penetration

Soil moisture exists in soil even when all subsurface water has been drained out of the soil. Capillary water in the soil can often cause moisture problems inside building spaces that are in contact with the soil when building foundation components are not protected from soil moisture. The specific details for protecting a building foundation from soil moisture varies depending upon the building foundation construction system. The two publications mentioned earlier provide detailed discussions and diagrams on how to protect different foundations from soil moisture. In general, gravel (often 3/4 inch diameter) or damp proofing methods provide a capillary break protecting the foundation from capillary moisture movement. A vapor barrier, often polyethylene film, minimizes moisture vapor movement from the soil into the building space. **RB**



- Blocks 96% of Radiant Heat Transfer
- Class 1 / A Fire-Rated (ASTM E84-09)
- Passes NFPA Full Room Burn Test
- Prevents Interior Condensation
- Puncture and Tear-Resistant
- UV-Resistant (ASTM G-155) 4000 hrs
- Unaffected by Humidity
- Will not Promote Mold and Mildew
- Easy to Handle and Install
- Custom Colors Available

rFOIL® is specifically designed to control heat gain or loss, and prevent interior condensation, in all types of post frame, metal and metal-clad buildings. rFOIL® reflective Insulation is a single or double layer of polyethylene bubbles bonded to and sandwiched between a radiant barrier metalized foil and white polyethylene sheet. Now available in custom colors.

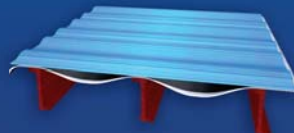
Metal and Post Frame Applications



Walls



Ceilings



Roofs



Verified by
RIMA International
REFLECTIVE INSULATION MANUFACTURERS ASSOCIATION
US-006-10

Patented Products

Call Toll Free: 1-800-837-8961 or 416-798-1340
Email: sales@rfoil.com Website: www.rfoil.com

Circle Reader Service #356

PRODUCT GUIDE

Your ultimate source for products and services in the rural construction industry.

How to use the guide:

The Index below is a guide to help you find companies, distributors, associations and other organizations that provide specific products or services to the rural building industry. It is followed on page 32 by an alphabetical listing. Many companies have included logos and/or descriptions of their businesses to explain their diverse offerings. Firms that won

2016 Gold Key of Excellence Awards are marked with gold keys. Companies that advertised separately in this issue can be found in our ad index on page 50. If you'd like detailed information from these companies, circle the appropriate number on the reader service card between pages 50-51 and send it in. As an added convenience, the Buyers' Guide is available online at www.rbbuyersguide.fwmedia.com.

ADHESIVES, SEALANTS & CHEMICALS

ADHESIVES

Arkema Inc.
Carrington Building Products
Dynamic Fastener
Hexion Inc.
Hutchison HW Brand Lumber & Building Products
Mitex International
Momentive Performance Materials Inc.
Novagard Solutions
Topps Products, Inc.

SEALANTS & CAULKS

Agway Metals Inc.
Arkema Inc.
Carrington Building Products
DB Building Fasteners
DCI Products
Dynamic Fastener
EPDM Coatings
Golden Rule Fasteners
GSSI Sealants Inc.
Hoover Treated Wood Products, Inc
Leland Industries
Lonza Wood Protection
Marco Industries
Mitex International
Momentive Performance Materials Inc.
Nationwide Protective Coating Mfrs.
Novagard Solutions
Raytec Manufacturing
Rosko Fasteners & Supply
Sealite Building Fasteners
Topps Products, Inc.
Triangle Fastener Corporation
Tru-Seam Metal Solutions

WATERPROOFING COATINGS

Agway Metals Inc.
Arkema Inc.
EPDM Coatings
Hoover Treated Wood Products, Inc
Lonza Wood Protection
Nationwide Protective Coating Mfrs. Inc.
Topps Products, Inc.

ANIMAL HOUSING & COMPONENTS

CURTAINS, SIDEWALLS

ClearSpan Fabric Structures
Extrutech Plastics Inc.

HORSE PENS, STALLS & HARDWARE

A.B. Martin Roofing Supply LLC
Agway Metals Inc.
ClearSpan Fabric Structures
Heritage Equine Equipment
Hutchison HW Brand Lumber & Building Products
Innovative Equine Systems
Plyco Corporation
Western Products of Indiana

LINER PANEL

Agway Metals Inc.
American Building Components
AmeriLux International
Extrutech Plastics Inc.
H&H Metal Products
Kenwood Painted Metals
Metal Rollforming Systems
MWI Components
Palram Americas

LIVESTOCK FEED & WATERING SYSTEMS

Agway Metals Inc.
Hoskins Mfg. Co. Inc.
Hutchison HW Brand Lumber & Building Products
Innovative Equine Systems

BUILDING PACKAGES & PRODUCTS

METAL BUILDING SYSTEMS

Armstrong Steel Buildings
Braemar Building Systems
Erect-A-Tube Inc.
Heritage Building Systems
Hutchison HW Brand Lumber & Building Products
Metal Building Supply Company
Olympia Steel Buildings
R&M Steel Co.
R&N Manufacturing, LLC
Sioux Steel Company
Star Building Systems
Sukup Manufacturing Co.
Varco Pruden Buildings
VersaTube Building Systems
Web Steel Buildings Northwest LLC
Wrisco Industries, Inc.

MINI-STORAGE SYSTEMS

Central Storage Works
ClearSpan Fabric Structures
DBCi
Heritage Building Systems
Janus International
Metal Building Supply Company
Olympia Steel Buildings
Pro-Tec Engineered Buildings
R&N Manufacturing, LLC
Sioux Steel Company
Stockade Buildings
Trachte Building Systems
Walters Buildings

POST-FRAME PACKAGES

A.B. Martin Roofing Supply LLC
Burrow's Post-Frame Supply
Energy Panel Structures
FBI Buildings Inc.
Graber Post Buildings
Hutchison HW Brand Lumber & Building Products
RAMCO Supply
Stockade Buildings
Walters Buildings
Web Steel Buildings Northwest LLC
Wick Buildings, Inc.

HOOP/FABRIC BUILDINGS

Alaska Structures
ClearSpan Fabric Structures
Pro-Tec Engineered Buildings

BUILDING PANELS

FIBERGLASS/PLASTIC/POLYCARBONATE

AmeriLux International
CannonBall:HNP
Duo-Gard Industries Inc.
Extrutech Plastics Inc.
Major Industries
Martin Building Products
MWI Components
Palram Americas

METAL PANELS, ARCHITECTURAL

Advanced Architectural Sheet Metal & Supply
Agway Metals Inc.
Berridge Manufacturing Company
Braemar Building Systems

Fabral
Garland Company, The
Hutchison HW Brand Lumber & Building Products
IMETCO
Innerwall Shop Drawings
MBCI
McElroy Metal
Metal Panels Inc.
Metal Rollforming Systems
Metal Sales Manufacturing Corp.
Metro Roof Products
Novagard Solutions
Petersen Aluminum Corp.
Star Building Systems
Wrisco Industries, Inc.

METAL PANELS, FOAM CORE

Metal Building Supply Company
Metal Sales Manufacturing Corp.
Star Building Systems
Wrisco Industries, Inc.

METAL WALL PANELS, UNINSULATED

Advanced Architectural Sheet Metal & Supply
Agway Metals Inc.
American Building Components
Braemar Building Systems
Garland Company, The
Heritage Building Systems
IMETCO
MBCI
Metal Building Supply Company
Metal Panels Inc.
Metal Sales Manufacturing Corp.
R&M Steel Co.
R&N Manufacturing, LLC
Star Building Systems
Varco Pruden Buildings
Wrisco Industries, Inc.

STRUCTURAL INSULATED PANELS

Encecept SIPS
Energy Panel Structures
Extreme Panel Tech
General Panel Corporation
MBCI
Murus Company Inc., The
Stockade Buildings

PVC WALL & CEILING PANELS

Extrutech Plastics Inc.
KP Building Products

DESIGNED FOR YOU. DESIGNED TO LAST.



Sukup®

STEEL BUILDINGS

*An industrial strength building that's customizable, built to last,
and weather-tight... Now THAT'S a Solution™!*

The clear span design of a Sukup Steel Building allows you to customize your building to fit your specific requirements. Whether you need an agricultural building to house livestock, materials, or large machinery, or you are looking for an industrial or commercial structure, you can have it with a Sukup Steel Building.

The seams on Sukup standing seam roofs are mechanically rolled in the field to create a 360° Pittsburgh double lock seam. This seam creates a durable weather-tight seal. Economical screw-down roofs are also available.



www.sukup.com ■ info@sukup.com ■ Sheffield, IA 50475-0677 ■ 641-892-4222

Circle Reader Service #345

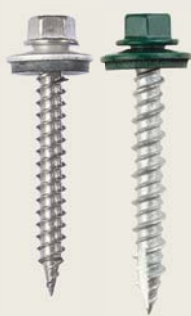
When **Quality Matters**
SELECT THE
BEST

SNOW RETENTION SYSTEMS



Snow DEFENDER™
4500

METAL TO WOOD FASTENERS



Fastgrip™



METAL ROOFING ACCESSORIES



FloVent™



on over **1,600** Metal Roofing
 Accessories and Fasteners



Call for a FREE Catalog!
(877) 897-7020

www.levisbuildingcomponents.com

Circle Reader Service #392

BUSINESS RESOURCES AND SOFTWARE

ASSOCIATIONS AND/OR TRADE SHOWS/ CONFERENCES

Frame Building Expo
 FRSA-Florida Roofing, Sheet Metal and Air Conditioning Contractors Assn.
 International Roofing Expo
 Metal Building Contractors & Erectors Association (MBCEA)
 Metal Construction Association
 National Frame Building Assn.
 Post-Frame Advantage
 Reflective Insulation Manufacturers Association International
 Spray Polyurethane Foam Alliance (SPFA)

CONSTRUCTION MANAGEMENT BOOKS/ REFERENCES

AMS Controls
 Frame Building News
 idea book, the
 Metal Roofing Magazine
 National Frame Building Assn.
 Post-Frame Advantage
 Rural Builder
 Source Book, The

SOFTWARE, COST ANALYSIS/ESTIMATING

Appicad USA Inc.
 Construction Maestro/Symun Systems
 PostFrame Manager/Roofing Manager
 RAS Systems LLC
 Rockwell Automation Inc.
 Siemens Building Technologies

ENGINEERING SERVICES

Rockwell Automation Inc.

CONCRETE

PRODUCTS & EQUIPMENT

Best Products
 BigFoot Systems Inc.
 CS Unitec Inc.
 Extrutech Plastics Inc.
 Fascut Industries Inc.
 General Equipment Company
 Hexion Inc.
 Midwest Perma-Column
 Momentive Performance Materials Inc.
 Nationwide Protective Coating Mfrs. Inc.
 Perma-Column Inc.

INSULATED CONCRETE FORMS (ICFs)

IntegraSpec ICF

DOORS & WINDOWS

DOOR HARDWARE & TRACK

Agway Metals Inc.
 CannonBall:HNP
 Clopay Building Products
 Delden Manufacturing Company, Inc.
 Entrematic / Amarr Garage Doors

Fold Tite Systems Inc.
 Hörmann LLC
 Hutchison HW Brand Lumber & Building Products
 I-Beam Sliding Doors
 Johnson Bros. Metal Forming
 Midland Door Solutions
 MWI Components
 Plyco Corporation
 RAMCO Supply
 Schweiss Doors
 National Mfg. Co. / Stanley Hardware
 Wayne Dalton, A Division of Overhead Door Corporation
 Western Products of Indiana

DOOR SYSTEMS

Agway Metals Inc.
 Burrow's Post-Frame Supply
 C.H.I. Overhead Doors
 Clopay Building Products
 DBCI
 Delden Manufacturing Company, Inc.
 Direct Metals of Indiana
 Entrematic / Amarr Garage Doors
 Extrutech Plastics Inc.
 Fold Tite Systems Inc.
 Hi-Fold Door Corporation
 Hydroswing North America
 I-Beam Sliding Doors
 Janus International
 Midland Door Solutions
 Plyco Corporation
 PowerLift Hydraulic Doors
 Safe-Way Garage Doors LLC
 Schweiss Doors
 Wayne Dalton, A Division of Overhead Door Corporation

DOORS, AUTOMATIC OPENERS

Delden Manufacturing Company, Inc.
 Entrematic / Amarr Garage Doors
 Hi-Fold Door Corporation
 Hörmann LLC
 I-Beam Sliding Doors
 Midland Door Solutions
 PowerLift Hydraulic Doors
 Safe-Way Garage Doors LLC
 Schweiss Doors

DOORS, BIFOLD

Erect-A-Tube Inc.
 Hi-Fold Door Corporation
 Hydroswing North America
 Midland Door Solutions
 Schweiss Doors
 Silvercraft

DOORS, OVERHEAD

C.H.I. Overhead Doors
 Clopay Building Products
 DBCI
 Delden Manufacturing Company, Inc.
 Entrematic / Amarr Garage Doors
 Heritage Building Systems
 Hi-Fold Door Corporation
 Hörmann LLC
 Hydroswing North America
 Midland Door Solutions
 PowerLift Hydraulic Doors
 Safe-Way Garage Doors LLC
 Schweiss Doors
 Wayne Dalton, A Division of Overhead Door Corporation

DOORS, ROLLUP

C.H.I. Overhead Doors
 Clopay Building Products
 DBCI

Delden Manufacturing Company, Inc.
 Heritage Building Systems
 Janus International
 Metal Building Supply Company
 PowerLift Hydraulic Doors
 Safe-Way Garage Doors LLC
 Sioux Steel Company
 Trac-Rite
 Wayne Dalton, A Division of Overhead Door Corporation

DOORS, SLIDING

CannonBall:HNP
 Fold Tite Systems Inc.
 Hörmann LLC
 Hutchison HW Brand Lumber & Building Products
 Hydroswing North America
 I-Beam Sliding Doors
 MWI Components
 Plyco Corporation
 Silvercraft
 Western Products of Indiana

DOORS, SWINGING

Fold Tite Systems Inc.
 Hi-Fold Door Corporation
 Hydroswing North America
 Janus International
 Schweiss Doors
 Silvercraft

DOORS, WALK-THROUGH

A.J. Manufacturing Inc.
 ABC Supply Company
 Bay Insulation Systems
 C.H.I. Overhead Doors
 CannonBall:HNP
 Extreme Panel Tech
 Plyco Corporation
 Silvercraft
 Western Products of Indiana

LOCKS & LOCKSETS

A.J. Manufacturing Inc.
 Hörmann LLC
 Plyco Corporation
 National Mfg. Co. / Stanley Hardware

WINDOWS

A.J. Manufacturing Inc.
 ABC Supply Company
 Direct Metals of Indiana
 Duo-Gard Industries Inc.
 Hutchison HW Brand Lumber & Building Products
 Major Industries
 MWI Components
 Plyco Corporation
 Western Products of Indiana

EXTERIOR & INTERIOR FINISHES

AWNINGS & CANOPIES

Alaska Structures
 AmeriLux International
 Duo-Gard Industries Inc.
 Major Industries
 Schweiss Doors

BRICK, STONE & MASONRY FACADES

Boral Versetta Stone
 Replications Unlimited LLC

METALCON

A FUTURE BUILT BY HAND

Roofing
Metal Building
Overhead Door Inspection
Energy Efficiency
Walls
Tools
Zinc
Sealant
3-D
Metal Building
Insulation Testing
3-D Printing
Steel Fabrication
Snow Retention
Ornamental Underlayment
Energy Efficiency Certification
Drones
Recycle Steel
Metal Retrofit Underlayment Certification

WE'VE GOT YOU COVERED

WWW.METALCON.COM

Circle Reader Service #331



LAM-PLY TRUSS

The Truss That Will Carry The Load

- Spans up to 72 ft.
- Spacings up to 12 ft. on center, depending on the load you desire
- Bird Nesting Control
- Better Ventilation & Visibility
- No Feed Alley Post Obstruction
- Additional Ceiling Height

Starwood Rafter Uses

- Pole Sheds
- Free Stalls
- Pavilion Shelters
- Machinery Storage
- Riding Arenas
- Solar Barns



Starwood Rafters, Inc.
W24141 Starwood Lane
Independence, WI 54747
(715) 985-3117 • 888-525-5878

www.starwoodrafters.com

Circle Reader Service #375

Everything you need

for your Commercial roofing job from one place



- Gutters
- Gutter Accessories
- Architectural Metals
- Downspouts/Elbows/Offsets
- Standing Seam Panels
- Flush or Reveal Wall/Soffitt Panels



Is **ADVANCED ARCHITECTURAL SHEET METAL** on your supplier list? *Call today for a quote!*



Serving Roofing &
Metal Building Contractors
for Over 20 Years.

231-861-0050
info@advarchsm.com
www.advarchsm.com

Circle Reader Service #478

CURTAINWALL

Duo-Gard Industries Inc.
Enercept SIPS
Major Industries
PPG Industries Inc.
Sioux Steel Company
Wrisco Industries, Inc.

EXTERIOR MOLDING & TRIM, DECORATIVE

Benchmark Foam Inc.
CopperCraft
Johnson Bros. Metal Forming
Replications Unlimited LLC
Royal Crowne Outdoor Accents

METAL TRIM & FASCIA

Advanced Architectural Sheet Metal & Supply
Alpine Building Materials LLC
American Building Components
Berger Building Products
Berridge Manufacturing Company
EDCO Products Inc.
Fabral
Graber Post Buildings
H&H Metal Products
Hutchison HW Brand Lumber & Building Products
IMETCO
Johnson Bros. Metal Forming
Kenwood Painted Metals
Klauer Manufacturing Co.
MBCI
Metal Building Supply Company
Metal Panels Inc.
Metal Rollforming Systems
PPG Industries Inc.
Roll Former Corporation

SIDING (METAL, STEEL OR VINYL)

American Building Components
Berridge Manufacturing Company
EDCO Products Inc.
Fabral
MBCI
Metal Rollforming Systems
Novagard Solutions
PPG Industries Inc.

SOFFIT (METAL, STEEL, PLASTIC OR VINYL)

Advanced Architectural Sheet Metal & Supply
American Building Components
Berger Building Products
Berridge Manufacturing Company
EDCO Products Inc.
GutterSupply.com
Hutchison HW Brand Lumber & Building Products
Klauer Manufacturing Co.
Metal Rollforming Systems
MWI Components
PPG Industries Inc.

ARCHITECTURAL ACCENTS

CopperCraft

FASTENERS & CONNECTORS

ANCHOR BOLTS

Best Products
DB Building Fasteners
Dynamic Fastener
East Coast Fasteners
Hutchison HW Brand Lumber & Building Products
Leland Industries
Midwest Perma-Column
Plyco Corporation
Rosko Fasteners & Supply
Sealtite Building Fasteners
Sno Gem, Inc.

The most **comprehensive** guide for building with post frame



- Eight brand-new chapters
- More than 200 pages
- Hundreds of photos, diagrams, and design tables



Visit www.nfba.org to order your copy now.

ENGINEERED WOOD CONNECTORS

Eagle Metal Products
 East Coast Fasteners
 K&K Industries Inc.
 Perma-Column Inc.
 Plyco Corporation

FRAMING HARDWARE

Best Products
 Burrow's Post-Frame Supply
 East Coast Fasteners
 Midwest Perma-Column
 Plyco Corporation

Rosko Fasteners & Supply
 National Mfg. Co. / Stanley Hardware

METAL PANEL FASTENERS

Atlas Bolt & Screw Co. LLC
 DB Building Fasteners
 Direct Metals of Indiana
 Dynamic Fastener
 East Coast Fasteners
 Golden Rule Fasteners
 Hutchison HW Brand Lumber & Building Products
 Ideal Building Fasteners
 Lakeside Construction Fasteners

Marco Industries
 Plyco Corporation
 RoofClamp
 Rosko Fasteners & Supply
 Sealrite Building Fasteners
 SFS intec
 Triangle Fastener Corporation

NAILS

East Coast Fasteners
 Hutchison HW Brand Lumber & Building Products
 Maze Nails

NUTS & BOLTS

Best Products
 Dynamic Fastener
 Hutchison HW Brand Lumber & Building Products
 Leland Industries
 Midwest Perma-Column
 National Mfg. Co. / Stanley Hardware

RIVETS

Atlas Bolt & Screw Co. LLC
 Dynamic Fastener
 East Coast Fasteners
 Golden Rule Fasteners
 Hutchison HW Brand Lumber & Building Products
 Ideal Building Fasteners
 Plyco Corporation
 Raytec Manufacturing
 Rosko Fasteners & Supply
 Sealrite Building Fasteners
 SFS intec
 Triangle Fastener Corporation

SCREWS

Atlas Bolt & Screw Co. LLC
 DB Building Fasteners
 Direct Metals of Indiana
 Dynamic Fastener
 East Coast Fasteners
 Golden Rule Fasteners
 Hutchison HW Brand Lumber & Building Products
 Ideal Building Fasteners
 Lakeside Construction Fasteners
 Leland Industries
 Levi's Building Components
 Martin Building Products
 Plyco Corporation
 RAMCO Supply
 Raytec Manufacturing
 Rosko Fasteners & Supply
 Sealrite Building Fasteners
 SFS intec
 Sno Gem, Inc.
 National Mfg. Co. / Stanley Hardware
 Triangle Fastener Corporation

STAPLES

Dynamic Fastener
 Hutchison HW Brand Lumber & Building Products

HEATING, COOLING & VENTILATING

CUPOLAS & WEATHERVANES

A.B. Martin Roofing Supply LLC
 CannonBall:HNP
 GutterSupply.com
 Hutchison HW Brand Lumber & Building Products
 MWI Components
 Plyco Corporation
 Royal Crowne Outdoor Accents

FANS

Hutchison HW Brand Lumber & Building Products
 Jenny Products Inc.
 LMCurbs



Peel & Seal® is the original self-adhering waterproofing membrane designed for low slope roofing or flashing applications. This single-ply membrane applies directly to the roof deck and serves as the final roofing surface. Ideal for hundreds of applications including whole roofs, dormers, sunrooms, metal roofs, and flashing around exterior penetrations.

- Ideal for difficult roofing applications
- Aggressively adheres to the roof deck
- Self-seals around fasteners
- Aluminized surface limits solar gain
- Easy handling and installation
- Requires no coatings or coverings for permanent exposure to sunlight
- Virtually maintenance-free
- Variety of widths and color options
- 10-year limited warranty
- Made in the USA



mfm BUILDING PRODUCTS CORP.
 800-882-7663 | www.mfmbp.com

Circle Reader Service #412

FOAM/VENTED CLOSURE STRIPS

Atlas Bolt & Screw Co. LLC
 Carrington Building Products
 DCI Products
 Golden Rule Fasteners
 Ideal Building Fasteners
 Lakeside Construction Fasteners
 Levi's Building Components
 Marco Industries
 MWI Components
 Plyco Corporation
 Rosko Fasteners & Supply
 Sealtite Building Fasteners
 SFS intec

RADIANT SYSTEMS & COMPONENTS

Benchmark Foam Inc.
 Indiana Warm Floors Inc.
 NOFP Inc.
 Plyco Corporation

RIDGE/SOFFIT VENTS

Atlas Bolt & Screw Co. LLC
 Atlas Roofing Corporation
 Aztec Washer Co., Inc.
 Blocksom
 Cor-A-Vent
 DCI Products
 Garwood Manufacturing Inc.
 Glick Metals LLC, Snap-Z
 Hutchison HW Brand Lumber & Building Products
 Insulation Solutions
 Klauer Manufacturing Co.
 Lakeside Construction Fasteners
 Marco Industries
 MWI Components
 Plyco Corporation
 Sioux Steel Company

SOLAR ENERGY COMPONENTS

LMCurbs
 MBCI
 S-5!
 Siemens Building Technologies
 Siemens Energy Inc.
 Sno Gem, Inc.
 SnoBlox-SnoJax

**INSULATIONS & MOISTURE/
 VAPOR BARRIERS**

FLASHINGS

Leland Industries

HOUSEWRAP

ABC Supply Company
 Covertech / rFoil
 Insulation Solutions
 NOFP Inc.

INSULATION, FOAM BOARD

Atlas Roofing Corporation
 Benchmark Foam Inc.
 General Panel Corporation
 Hershey's Metal Meister
 IntegraSpec ICF
 NOFP Inc.

INSULATION, OTHER

Anco Products
 Bay Insulation Systems
 Covertech / rFoil
 DCI Products
 Filc USA - makers of DRIPSTOP
 Hershey's Metal Meister
 IntegraSpec ICF
 NOFP Inc.

INSULATION, REFLECTIVE

Bay Insulation Systems
 Covertech / rFoil
 Direct Metals of Indiana
 Insulation Solutions
 Martin Building Products
 Mitex International
 MWI Components
 Nationwide Protective Coating Mfrs. Inc.
 NOFP Inc.
 Plyco Corporation
 Tape Products Company

MOISTURE BARRIERS

Anco Products
 Bay Insulation Systems
 Covertech / rFoil
 EPDM Coatings
 Filc USA - makers of DRIPSTOP
 Hershey's Metal Meister
 IntegraSpec ICF
 Leland Industries
 MFM Building Products
 Tape Products Company

CONCEALOR® ULP



*Ultra Low Profile Fastener For
 Metal Roof Attachment*

SUPERIOR PERFORMANCE

- Thinner head eliminate dimples in the panel.
- Special taper under the head produces increase strength.

FASTER INSTALLATION

- Square recess drive for exceptional driving stability.

CORROSION RESISTANT

- TRI-SEAL® 1,000-hrs salt spray coated is formulated for use in treated lumber.

LARGEST SELECTION

- Choose from lengths up to 2-1/8" to meet your application needs.

We design and engineer our products to provide high quality, long life, and ease of installation.

Give us a try! Contact TFC for free samples or assistance on your next project.

800.486.1832
www.trianglefastener.com



SINCE 1977
 23 LOCATIONS NATIONWIDE

Circle Reader Service #425

PLASTIC FILM

Covertch / rFoil
Tape Products Company

VAPOR BARRIERS

Anco Products
Bay Insulation Systems
Covertch / rFoil
Fic USA - makers of DRIPSTOP
H&H Metal Products
Insulation Solutions

IntegraSpec ICF
Mitex International
Tape Products Company

LUMBER & SHEATHING

ENGINEERED LUMBER

Burrow's Post-Frame Supply
Energy Panel Structures
Free State Lumber Company

Hutchison HW Brand Lumber & Building Products
K&K Industries Inc.
Richland Laminated Columns LLC
Rigidply Rafters Inc.
Starwood Rafters Inc.

GLULAMS

Hutchison HW Brand Lumber & Building Products
Plasti-Sleeve Post Protection
Richland Laminated Columns LLC
Rigidply Rafters Inc.
Starwood Rafters Inc.

PLYWOOD, PARTICLE BOARD, OSB

Free State Lumber Company
Hutchison HW Brand Lumber & Building Products
K&K Industries Inc.
Rigidply Rafters Inc.

TREATED LUMBER

Burrow's Post-Frame Supply
Free State Lumber Company
Hoover Treated Wood Products, Inc
Hutchison HW Brand Lumber & Building Products
Lonza Wood Protection
Replications Unlimited LLC
Rigidply Rafters Inc.
Tri-State Lumber Co., Inc.

METAL CONSTRUCTION COATINGS & COMPONENTS

CLOSURES, METAL PANELS

Carrington Building Products
DB Building Fasteners
East Coast Fasteners
Hutchison HW Brand Lumber & Building Products
Leland Industries
MBCI
McElroy Metal
Plyco Corporation
Siemens Process Industries & Drives
SnoBlox-SnoJax
Star Building Systems
Triangle Fastener Corporation

PAINT/COATINGS

AkzoNobel
Alpine Building Materials LLC
Arkema Inc.
Becker Specialty Corporation
Dura Coat Products
Mill Steel Co.
PPG Industries Inc.
Prassas Metal Products, Inc.
Steel Dynamics Inc.
Valspar

METAL COIL SUPPLIERS

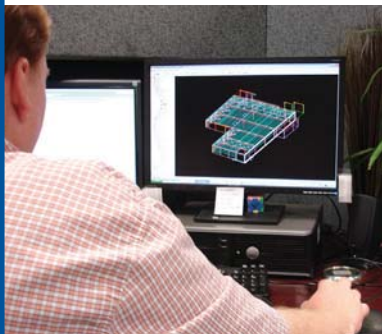
3GM Steel Inc.
Alpine Building Materials LLC
Berridge Manufacturing Company
Graber Post Buildings
Mill Steel Co.
Prassas Metal Products, Inc.
Steel Dynamics Inc.

STEEL FRAMING, LIGHT-GAUGE

Johnson Bros. Metal Forming
R&N Manufacturing, LLC

The building suppliers you can trust focus on

BUILDING STRONG RELATIONSHIPS.



The most solid foundation upon which to build a partnership is trust. That's why, for more than 60 years, Varco Pruden has focused on creating relationships that last.

Our interest is always your best interest. While we offer decades of experience and expertise, constantly educating ourselves on your environment and consumers, we also take pride in our loyalty and value our credibility. You can depend on us to work for you. Because we're not just reliable, we're dedicated. And we never compete against our builder partners.

We offer superior products and service, including:

- ◆ Unrivaled quality
- ◆ Cutting-edge technology and innovation
- ◆ Unequaled marketing tools and resources
- ◆ A wide array of products
- ◆ Experienced project management and field support

Contact Varco Pruden today. Let us show you how, together, we can add value to your business and your reputation.



BECOME AN AUTHORIZED VARCO PRUDEN BUILDER TODAY.

Call 1-866-538-0012 or log on to www.VP.com/ad/RBM.

Circle Reader Service #301

ROOFING & RELATED PRODUCTS GUTTER PROTECTION SYSTEMS

Alpine SnowGuards
Berger Building Products
DCI Products
Diamond Back Gutter Covers Inc.
Englert Inc.
Gutter Helmet
GutterGuard Pro
GutterSupply.com
Midwest Enterprises
Raytec Manufacturing
SnoBlox-SnoJax
SpoutOff, The
Tru-Seam Metal Solutions

GUTTERING, WATER CARRYING PRODUCTS

ABC Supply Company
Advanced Architectural Sheet Metal & Supply
Berger Building Products
Diamond Back Gutter Covers Inc.
Englert Inc.
Gutter Helmet
GutterSupply.com
Klauer Manufacturing Co.
McElroy Metal
Raytec Manufacturing
SpoutOff, The
Tru-Seam Metal Solutions

MEMBRANE ROOFING

Alaska Structures
EPDM Coatings
Garland Company, The
MFM Building Products
Sno Gem, Inc.

METAL ROOFING, SHINGLES/ TILES

3GM Steel Inc.
ABC Supply Company
Agway Metals Inc.
Becker Specialty Corporation
DECRA Roofing Systems Inc.
EDCO Products Inc.
Klauer Manufacturing Co.
McElroy Metal
Metro Roof Products
Novagard Solutions
Rare Manufacturing Inc.
Sno Gem, Inc.

METAL ROOFING, STANDING SEAM

3GM Steel Inc.
A.B. Martin Roofing Supply LLC
Advanced Architectural Sheet Metal & Supply
Agway Metals Inc.
Alpine SnowGuards
American Building Components
Becker Specialty Corporation
Central States Mfg.
CopperCraft
DI Roof Seamers
Englert Inc.
Everlast Roofing Inc.
Fabral
Garland Company, The
Graber Post Buildings
H&H Metal Products
IMETCO
Innerwall Shop Drawings
Kenwood Painted Metals
MBCI
McElroy Metal

Metal Panels Inc.
Metal Rollforming Systems
Metal Sales Manufacturing Corp.
Mill Steel Co.
New Tech Machinery Corp.
Petersen Aluminum Corp.
R&M Steel Co.
RAMCO Supply
Roll Former Corporation
Sno Gem, Inc.
Varco Pruden Buildings
WindBar

METAL ROOFING, THRU-FASTENED

3GM Steel Inc.
A.B. Martin Roofing Supply LLC
Agway Metals Inc.
American Building Components
Central States Mfg.
Englert Inc.
Everlast Roofing Inc.
Fabral
Graber Post Buildings
H&H Metal Products
Heritage Building Systems
Kenwood Painted Metals
MBCI
McElroy Metal
Metal Panels Inc.
Metal Rollforming Systems
Metal Sales Manufacturing Corp.
Metro Roof Products
R&M Steel Co.
RAMCO Supply
Varco Pruden Buildings
Wick Buildings, Inc.

PLASTIC/VINYL FIBERGLASS ROOFING

AmeriLux International
Palram Americas

ROOF RECOATINGS

Arkema Inc.
Becker Specialty Corporation
Dura Coat Products
Dynamic Fastener
EPDM Coatings
Garland Company, The
Momentive Performance Materials Inc.
PPG Industries Inc.
Topps Products, Inc.

ROOFING UNDERLAYMENT

Agway Metals Inc.
Atlas Roofing Corporation
Carrington Building Products
Covertech / rFoil
Filc USA - makers of DRIPSTOP
H&H Metal Products
IMETCO
Insulation Solutions
Levi's Building Components
Marco Industries
MFM Building Products

SKYLIGHTS

Agway Metals Inc.
AmeriLux International
Duo-Gard Industries Inc.
Hutchison HW Brand Lumber & Building Products
LMCurbs
Major Industries
MWI Components
Palram Americas

SNOW GUARDS/SNOW MANAGEMENT

Agway Metals Inc.
Alpine SnowGuards
Berger Building Products
Dynamic Fastener
GutterSupply.com
Levi's Building Components
LMCurbs
S-5!
Sealtite Building Fasteners
SFS intec
Sno Gem, Inc.
SNOBAR
SnoBlox-SnoJax

TOOLS & EQUIPMENT

ASC Machine Tools, Inc.
CS Unitec Inc.
Gary Machinery LLC
RAS Systems LLC

HAND TOOLS/POWER TOOLS

CS Unitec Inc.
DI Roof Seamers
Dynamic Fastener
Gary Machinery LLC
General Equipment Company
Standing Seam Roof Anchor
Stiletto Tools
Swenson Shear

METAL ROLL FORMERS, PORTABLE

ASC Machine Tools, Inc.
Bradbury Co., Inc., The
Bradbury Group, The
DI Roof Seamers
Englert Inc.
GutterSupply.com
New Tech Machinery Corp.
Paint Valley Parts / Acu-Form
Roll Former Corporation

METAL ROLL FORMERS, STATIONARY

ASC Machine Tools, Inc.
Bradbury Co., Inc., The
Bradbury Group, The
Bradbury Group Australia
Bradbury Group (Shanghai)
Hayes International
Hershey's Metal Meister
Marion Manufacturing Inc.
Metal Rollforming Systems
New Tech Machinery Corp.
Paint Valley Parts / Acu-Form
Roll Former Corporation

METAL FABRICATION TOOLS, BRAKES

ASC Machine Tools, Inc.
Bradbury Co., Inc., The
Bradbury Group, The
Bradbury Group Australia
Fascut Industries Inc.
Gary Machinery LLC
Hershey's Metal Meister
RAS Systems LLC
Swenson Shear

SAFETY EQUIPMENT

Brut Post Grabber, The
Dynamic Fastener
RUSTGO Mobile Work Platforms
Standing Seam Roof Anchor

SKID STEER ATTACHMENTS

Brut Post Grabber, The

TRUSSES, COLUMNS & ASSEMBLY EQUIPMENT

COLUMNS, POST-FRAME

Advanced Post Solutions LLC
Best Products
BigFoot Systems Inc.
Energy Panel Structures
Graber Post Buildings
Hutchison HW Brand Lumber & Building Products
Johnson Bros. Metal Forming
Midwest Perma-Column
Perma-Column Inc.
Plasti-Sleeve Post Protection
Richland Laminated Columns LLC
Rigidply Rafters Inc.
Semmler Systems

COLUMN MANUFACTURING EQUIPMENT

Clark Industries
Semmler Systems

POST SLEEVES

Plasti-Sleeve Post Protection
Post Protector
Richland Laminated Columns LLC

TRUSS MANUFACTURING EQUIPMENT

Clark Industries Inc.
Eagle Metal Products

TRUSSES

Burrow's Post-Frame Supply
Eagle Metal Products
Energy Panel Structures
Graber Post Buildings
K&K Industries Inc.
Rigidply Rafters Inc.
Starwood Rafters Inc.
Web Steel Buildings Northwest LLC

SEISMIC BRACING

Garwood Manufacturing Inc.

POST INSTALLATION EQUIPMENT/TOOLS

Brut Post Grabber, The

MISCELLANEOUS

ALARMS, DETECTORS, SECURITY

Rockwell Automation Inc.
Siemens Building Technologies

SHELVING, STORAGE

Post-Rack by Scott Systems

WASTEWATER HANDLING SYSTEMS

Rockwell Automation Inc.

**Rural
Builder**

**2017
BUYERS'
GUIDE**

COMPANY DIRECTORY



3GM Steel Inc.

1650 W. Hwy. 80
Somerset, KY 42503
606-676-2146
606-676-0012 (fax)
customerservice@3gmsteel.com
www.3gmsteel.com
Persevering....

Steel Service Center, providing quality pre-painted and bare products for your metal roofing requirements. Visit our website for a detailed description of items including color, gauges and widths that are inventoried and ready to ship.



A.B. Martin Roofing Supply LLC

82 Garden Spot Rd.
Ephrata, PA 17522
717-445-6885
717-977-5175 (fax)
sales@abmartin.net
www.abmartin.net



A. B. Martin Roofing is a manufacturer of quality metal roofing and siding panels including the ABM multi-purpose panel, the ABSeam standing seam panel, and the PBR commercial panel. We provide building materials for pole buildings, including framing lumber, insulation, doors and windows, tongue and groove lumber and stalls for horse barns, and much more.



A.J. Manufacturing Inc.

1217 Oak St.
Bloomer, WI 54724
800.328.9448
715.568.3099 (fax)
info@ajdoor.com
www.ajdoor.com

AJ: your source for steel entry doors, aluminum



and vinyl windows, Niagara column brackets™, Low-E® Reflective Insulation and the exclusive EZ-V™ vinyl window trim system. AJ has the right product for every building. Shutters, doors, windows, and trim are available in custom colors. AJ products are built using the highest quality raw materials and attention to detail for a quality product every time.



ABC Supply Company

1 ABC Parkway
Beloit, WI 53511
608-362-7777
608-362-2062 (fax)
www.abcsupply.com

ABC Supply is the nation's largest wholesale distributor of roofing and one of the largest distributors of siding, windows and other select exterior building products. With locations nationwide, the company has distinguished itself by taking care of professional contractors better than any other distributor.



Advanced Architectural Sheet Metal & Supply

131 W. 2nd St.
Shelby, MI 49455
231-861-0050
231-861-0075 (fax)
info@advarchsm.com
www.advarchsm.com

In today's world of cutting corners and streamlining customer service to the point of extinction, one company has found a way to provide consistent, excellent customer service as well as a quality product. ADVANCED Architectural Sheet Metal & Supply continues to manufacture and supply commercial sheet metal, gutters, downspout and rain gutter accessories as well as standing seam and flush or reveal wall/soffit panels for contractors in the roofing and metal building industries.



Green Post™

Advanced Post Solutions LLC

PO Box 108
1564 Main St.
East Earl, PA 17519
610-377-3270
610-377-9552 (fax)
info@advanced-sol.com
www.advanced-sol.com

GreenPost protects in-ground wood applications from the elements. Field tested, the lighter and easier-to-install GreenPost is heat sealed to the lumber and delivered ready to install. Non-toxic, environmentally friendly and termite tested, the GreenPost is a barrier around the treated wood, protecting the critical ground line area where decay occurs. The pre-applied proprietary uplift restraint system deters post withdrawal from stresses generated by wind load. GreenPost complies with today's safer building code practices, for post-frame construction, outdoor pavilions or tension posts. ICC Approved.



Agway Metals Inc.

170 Delta Park Blvd.
Brampton, ON L6T 5T6
226-747-7293
866-254-0115 (fax)
gzimmer@agwaymetals.com
www.agwaymetals.com



AkzoNobel

1313 Windsor Ave.
Columbus, OH 43211
800-294-3361
614-421-4367 (fax)
coil.coatings@akzonobel.com
www.akzonobel.com/ccna

AkzoNobel manufacturers high performance coil coatings for use in commercial, agricultural,



architectural and residential markets. Products include Trinar, a 70 percent PVDF coating, and Ceram-A-Star 1050, which is the industry-leading silicone-modified polyester. Both are available in a variety of standard colors, or can be specialized with a variety of innovative colors, prints and finishes. In addition, each has a large selection of Cool Chemistry formulations, which help make projects more energy efficient and sustainable.

Alaska Structures

9024 Vanguard Dr. #101
Anchorage, AK 99507
907-344-1565
inquiry@alaskastructures.com
http://alaskastructures.com



Alpine Building Materials LLC

PO Box 21608
Eugene, OR 97402
314-757-2733
541-684-3719 (fax)
steves@alpinecw.com
www.alpinedistribution.com
Alpine Distribution is the market leader in being a

customer-focused provider of domestically-produced, flat-rolled metal in acrylic or painted to the metal building industry. We work with the leading integrated U.S. mills to provide quality, managed steel programs to our customers' specifications and expectations. Our people are experienced, knowledgeable, and effective communicators, putting your needs first, and building long-term supply relationships that benefit both companies. We can provide any specification of galvanized or Galvalume for roofing and siding as well as working with all paint suppliers and systems. Come experience the Alpine difference where quality and service keep our customers with us for years!

Alpine SnowGuards

289 Harrel St.
Morrisville, VT 05661
888-766-4273
888-766-9994 (fax)
info@alpinesnowguards.com
www.alpinesnowguards.com



American Building Components

6975 Danville Rd.
Nicholsville, KY 40356
800-877-8709
800-784-6058 (fax)

contact@abcmetal.com
www.abcmetal.com
Tirelessly committed to quality products and service, American Building Components (ABC) has built a strong reputation as a supplier of premium metal roofing and building solutions that customers have relied on for more than a century. ABC offers a wide variety of premium metal panels in both 29 and 26 gauge steel that are second to none. Utilizing only top grade painting technologies in our coating facilities, our steel is backed by industry-leading warranties that assure your projects will stand the tests of time.



AmeriLux International

1212 Enterprise Dr.
DePere, WI 54913
920-336-9300
920-336-9301 (fax)
www.ameriluxinternational.com
AmeriLux International is a distributor and fabricator of a broad range of polycarbonate and PVC sheet products. Included in AmeriLux's product offering: CoverLite® polycarbonate corrugated panels, Agrilite™ PVC corrugated liner panels, and TRUSSCORE™ PVC

MAIN STREET™
VINYL WINDOWS BY A.J.

Single Hung

Fixed Lite Picture

Horizontal Slider

Patented EZ-V™ Trim System –
The quick and easy way to trim your vinyl windows.

Features:

- White or custom color matched
- Leak-free flashing
- Fully trimmed, requires no application of a J-channel
- Resistant to thermal expansion and contraction
- Saves time and installation labor

A.J. Building Ideas
A.J. Manufacturing, Inc.
1217 Oak Street
Bloomer, WI 54724
800.328.9448 www.ajdoor.com

seamless interlocking liner panels. Easily fabricated and light in weight, CoverLite MR9" and MR12" corrugated polycarbonate panels are perfect for skylight and sidelite applications and match most standard metal roofing profiles. Agrilite PVC corrugated liner panels offer remarkable durability, ease of installation, and are a great, economical alternative to metal. Owners of agricultural and light industrial buildings regularly choose the virtually indestructible Agrilite liner panel. Wherever you need a smooth finish that is easy-to-clean, low maintenance, hygienic and/or abuse resistant, TRUSSCORE PVC interlocking liner panels have your job covered.

AMS Controls

12180 Prichard Farm Rd.
Maryland Heights, MO 63043
314-344-3144
314-344-9996 (fax)
www.amscontrols.com

Anco Products

2500 17th St.
Elkhart, IN 46517
574-293-5574
574-295-6235 (fax)
info@ancoproducts.com
www.ancoproducts.com

Applicad USA Inc.

1340 US Highway 1
Jupiter, FL 33469
800-966-1698
561-748-0546 (fax)
ray@applicad.com.au
www.applicad-usa.com

Arkema Inc.

900 First Ave.
King of Prussia, PA 19406
610-205-7898
610-205-7497 (fax)
vincent.casimir@arkema.com
www.kynar500.com

Armstrong Steel Buildings

5889 Greenwood Plaza Blvd.
Greenwood Village, CO 80111
800-345-4610
720-230-7266 (fax)
pr@armstrongsteel.com
www.armstrongsteel.com



ASC Machine Tools, Inc.

900 N. Fancher Rd.
Spokane, WA 99212
509-534-6600
509-536-7658 (fax)
salesupport@ascmt.com
www.ascmt.com
With more than 65 years of industry experience and well over 1,000 manufacturing lines in production worldwide, ASC has a proven history of reliable metal-forming solutions designed to improve productivity and enhance profitability. Let ASC "Shape Your Success" with entry-level roll-forming equipment or the industry's most innovative and fully-automated production lines.



Atlas Bolt & Screw Co.

1628 Troy Rd.
Ashland, OH 44805
800-321-6977
419-289-2564 (fax)
www.atlasfasteners.com
Atlas Bolt & Screw, the industry leader has the widest metal and wood fastener selection, closures, venting, sealing and flashing solutions. Headquarters and U.S. manufacturing is located in Ashland, Ohio, with secondary manufacturing and fully-staffed service facilities strategically located in Ashland, Ohio; Houston, Texas; Salem, Oregon; and Flat Rock, North Carolina. Atlas Bolt & Screw provides its Partners with: Longevity of Proven Performance and Extreme Customer Focus.



Atlas Roofing Corporation

2000 River Edge Pkwy.,
Ste. 800
Atlanta, GA 30328
800-388-6134
770-952-3170 (fax)
rickg@atlasroofing.com
www.atlasroofing.com



Aztec Washer Co., Inc.

13821 Danielson St.
Poway, CA 92064
858-513-4350
858-513-4305 (fax)
matt@daztecwasher.com
www.aztecwasher.com
Leading manufacturer of roof vent flashings and pipe flashings.

Bay Insulation Systems

2929 Walker Dr.
Green Bay, WI 54311
920-406-4000
920-406-4242 (fax)
mbisales@bayinsulation.com
www.bayinsulation.com



Becker Specialty Corporation

2526 Delta Ln.
Elk Grove Village, IL 60007
847-766-3555
847-766-3595 (fax)
www.beckers-group.com
Beckers is an international coatings company with leading positions in its markets worldwide. Sustainability, design and innovation are an integral part of our long history spanning 150 years. Among our many innovations is the award-winning BeckryTherm, an energy-saving coatings systems available in super-durable polyester, silicone polyester and PVDF.



Benchmark Foam Inc.

401 Pheasant Ridge Dr.
Watertown, SD 57201
605-886-8084
605-886-8099 (fax)
epsinfo@benchmarkfoam.com
www.benchmarkfoam.com



Berger Building Products

805 Pennsylvania Blvd.
Feasterville, PA 19053
215-355-1200
info@bergerBP.com
www.bergerbp.com
For over 140 years, Berger has specialized in roof drainage, moisture protection, snow retention, and ventilation solutions.

With more than 2,000 products, Berger offers the most extensive range of exterior building products. Fabricated from the finest copper, aluminum, steel, and vinyl, Berger products offer quality with performance, and are in stock and ready to ship.

Berridge Manufacturing Company

6515 Fratt Rd.
San Antonio, TX 78218
800-669-0009
210-650-0379 (fax)
marketing@berridge.com
www.berridge.com



Best Products

7407 N Kickapoo Edwards Rd.
Edwards, IL 61528
800-798-5562
309-589-1199 (fax)
sales@midwestpermacolumn.com
www.midwestpermacolumn.com/bestproducts
Best Products recently introduced Laminated Wood Column with the patent-pending Mega Spacer which allows a wider truss notch pocket, ensuring that the truss and gusset plate assembly fits easily into the pocket of the wood column. The new design reduces labor costs, adds a safer work environment and compliments our precast concrete Perma-Column foundation system.

BigFoot Systems Inc.

6750 Hwy. 3
Martins Point, NS BOJ-2EO
902-627-1600
902-627-1700 (fax)
info@bigfootsystems.com
www.bigfootsystems.com

Blocksom & Company

450 St. John Rd. Ste. 710
PO Box 2007
Michigan City, IN 46361-8007
219-878-4455
219-874-3702 (fax)
gpickford@blocksom.com
www.roofsaver.com

Boral Versetta Stone

200 Mansell Ct. East
Roswell, GA 30076
770-645-4500
boralstoneanswers@boral.com
www.versettastone.com



Bradbury Co., Inc., The

1200 E Cole
Moundridge, KS 67107
620-345-6394
620-345-6381 (fax)
bradbury@bradburygroup.com
www.bradburygroup.com
The Bradbury Co., Inc. manufactures a wide range of equipment for the metal building, roofing and post-frame industries including in-plant and portable roll formers, integrated felt wicking applicators, trim folders, CTL/slitter lines, fully automated trim lines and related coil-processing equipment. All Bradbury machines are engineered for easy operation and durability.



THE BRADBURY GROUP

Bradbury Group, The

1200 E Cole
Moundridge, KS 67107
620-345-6394
620-345-6381 (fax)
bradbury@bradburygroup.com
www.bradburygroup.com
The Bradbury Group of companies make an extensive line of roll forming equipment including panel and trim roll formers, folders, Panther Cub II slitter/shears, uncoilers and recoilers, stand-alone slitters, hemmers and gutter machines. We offer equipment options for the startup producer or the established manufacturer.

Bradbury Group Australia

25 Eurora St.
Kingston, QLD 4114
61-7-3299-3111
bradbury@bradburygroup.com
www.bradburygroup.com

Bradbury Machinery (Shanghai) Co. Ltd.

1200 E Cole
Moundridge, KS 67107
620-345-6394
620-345-6381 (fax)
bradbury@bradburygroup.com
www.bradburygroup.com

Braemar Building Systems

925 W. Kenyon Ave. #6
Englewood, CO 80110
888-480-5552
303-788-9996 (fax)
sales@braemarbuilding.com
www.braemarbuildings.com



Brut Post Grabber, The

PO Box 124
Blanchard, ID 83804-0124
208-217-0597
208-437-0196 (fax)

scott@thebrutpostgrabber.com
www.TheBrutPostGrabber.com
Post setting just got fun! Never man-handle a heavy post again! Watch these amazing skid steer attachments in action. See videos on our website.



Burrow's Post-Frame Supply

101 Leaning Tree Rd.
Ft. Gibson, OK 74434
800-766-5793
866-224-4476 (fax)
www.burrows-supply.com
Burrow's Post-Frame Supply delivers all of your material needs directly from our quality-controlled mills. Complete post-frame kits include wood trusses, roll-formed metal siding, metal roofing, metal trim, insulation and accessories. Mill-direct pricing and the best service in the industry make Burrow's your best choice.

“Still Making a **WORLD OF DIFFERENCE**”

- Colors to match any Rollformed Steel
- Hundreds of Closure Styles & Angle Cuts
- Dozens of Sales Professionals
- Factory Delivery Fleet & Fast Delivery
- High Quality Products for any Application



800.558.5895 • Fax: 800.257.5926 • www.plyco.com • Elkhart Lake, Wisconsin

Circle Reader Service #498

C.H.I. Overhead Doors

1485 Sunrise Dr.
Arthur, IL 61911
800-677-2650
800-738-5006 (fax)
chiohd@chiohd.com
www.chiohd.com



CannonBall:HNP

555 Lawton Ave.
Beloit, WI 53512
800-766-2825
800-834-7447 (fax)
jeffr@cnbhnp.com
www.cnbhnp.com

CannonBall offers a wide variety of components for the post frame, commercial and metal building industries - including sliding door track systems, entry doors, Dutch/country slider doors, windows, polycarbonate/PVC sheeting, ridge vents, building materials, ventilation products, horse stall accessories and construction hardware.



Carrington

Carrington Building Products

1224 Longleaf Dr.
Gallatin, TN 37066
615-206-0900
615-206-1800 (fax)
carringtonsp@yahoo.com
www.carrington-specialty.com
Carrington Building Products manufactures and distributes accessory components for the metal roofing/building industries. We are committed to having products in all sizes, shapes and colors stocked on our floor for almost immediate shipment to your warehouse or job site. We stock our patented Dri-Vent universal roll product, flashers (pipe boots) in all types, colors and sizes, sealant/caulk in a variety of colors, underlayment, butyl tapes in multiple widths, expanding foam tapes, hundreds of standard closure strip profiles, as well as custom void fillers for specific job requirements.



Central States Mfg.

302 Jane Pl.
Lowell, AR 72745
800-356-2733
800-356-2971 (fax)
info@centralstatesmfg.com
www.centralstatesmfg.com
CSMI offers eight different high-quality panel profiles to customers throughout the United States in post-frame, commercial and residential markets. Experience the Central States difference for yourself. Right. On Time. Every Time.



Central Storage Works

302 Jane Pl.
Lowell, AR 72745
877-770-5206
877-770-5213 (fax)
info@centralstorageworks.com
www.centralstorageworks.com
Central Storage Works brings you a new level of quality, service and convenience that beats the rest. Quick Quote-to-Complete self-storage packages comes with everything you need to erect a mini-storage, boat or RV storage facility. Because CSW handles everything, including the design, manufacture and delivery of these complete self-storage building packages, you can expect a quality product delivered to you on time at a great value.

Clark Industries Inc.

816 Callan St.
Monett, MO 65708
800-748-9727
general@clark-ind.com
www.clark-ind.com

ClearSpan Fabric Structures

1395 John Fitch Blvd.
South Windsor, CT 06074
866-643-1010
860-760-0210 (fax)
trussinquiry@clearspan.com
www.clearspan.com



Clopay Building Products

8585 Duke Blvd.
Mason, OH 45040-3101
800-526-4301
937-440-8933 (fax)
mromie@clopay.com
www.clopaycommercial.com
Clopay is the preferred manufacturer and supplier of upward acting door systems throughout North America. Clopay offers architects, developers, building professionals and specifiers the most extensive commercial overhead and rolling steel product offering in our industry. If durability, energy efficiency, safety, reliability and aesthetics are important, Clopay's commercial product offering has a solution for you.

Construction Maestro/Symun Systems

3469 Pierson Pl.
Flushing, MI 48433
810-230-8920
mike@symuns.com
www.symun.com



CopperCraft

300 Railhead Rd.
Fort Worth, TX 76106
817-490-9622
info@coppercraft.com
www.coppercraft.com
CopperCraft manufactures a complete line of architectural sheet metal products from eye-catching dormers, cupolas, louvers, spires and finials to traditional metal roof panels, and distributes nationwide and around the world. CopperCraft offers a highly respected portfolio of custom and standard products that are meticulously crafted for performance and appeal. Combining old world craftsmanship with modern day technology and equipment, CopperCraft provides high quality yet affordable architectural sheet metal products.

Cor-A-Vent

PO Box 428
Mishawaka, IN 46546-0428
800-837-8368
800-645-6162 (fax)
steve@cor-a-vent.com
www.cor-a-vent.com



Covertch / rFOIL

279 Humberline Dr
Etobicoke, Ontario M9W 5T6
416-798-1340
416-798-1342 (fax)
johnstarr@covertchfab.com
www.rfoil.com
rFOIL™ Reflective Insulation is a patented technology manufactured by Covertch Fabricating Inc. It is specially designed to control heat gain or loss while preventing interior condensation in all types of post frame, metal and metal-clad buildings. rFOIL™ is a CLASS 1/A fire rated product which blocks up to 96 percent of radiant heat transfer. It is easy to handle and install, will not promote mold or mildew and passes the NFPA 286 full-room burn test.

CS Unitec Inc.

22 Harbor Ave.
Norwalk, CT 06850
800-700-5919
203-853-9921 (fax)
info@csunitec.com
www.csunitec.com



DB Building Fasteners

5555 E. Gibraltar St.
Ontario, CA 91764
909-581-6740
909-581-6745 (fax)
brentd@selfdrillers.com
www.selfdrillers.com
DB is proud to offer same-day shipments on all stocked items. In-house paint and closure production is done in our Los Angeles warehouse. DB is now in Sacramento, CA and Laredo, TX. Call DB today for all your import and domestic fastener needs.



DBCI

4645 Timber Ridge Rd.
Douglasville, GA 30135
800-542-0501
sales@dbci.com
www.dbci.com
DBCI offers a complete line of commercial-grade steel curtain roll-up doors and self-storage solutions. Its revolutionary new

Curl-Lok door is available in every series for a repairable, more cost-efficient door.

DCI Products

415 South Penn St.
Clifton Heights, PA 19018
800-622-4455
888-356-3291 (fax)
info@dciproducts.com
www.dciproducts.com



DECRA Roofing Systems Inc.

1230 Railroad St.
Corona, CA 92882
877-GO-DECRA (463-3272)
951-272-4476 (fax)
sales@decra.com
www.decra.com
With nearly 60 years of experience as the leading manufacturer of stone-coated steel roofing, DECRA is committed to producing quality products. DECRA is available in a wide variety of profiles and colors and includes

a lifetime limited warranty, a 120 mph wind warranty and Class 4 impact resistance.



Delden Manufacturing Company, Inc.

3530 N. Kimball Dr.
Kansas City, MO 64161
816-413-1600
816-413-1699 (fax)
sales@deldenmfg.com
www.deldenmfg.com



DI Roof Seamers

915 Hwy. 45
Corinth, MS 38834
662-287-6744
888-343-0456
sales@dimetalworks.com
www.diroofseamers.com

Diamond Back Gutter Covers Inc.

1500 Cincinnati St.
Lafayette, IN 47904
877-742-4240
765-742-8046 (fax)
dbguttercovers@gmail.com
www.diamondbackguttercovers.com

Direct Metals of Indiana

Midwest Service Center
1800 Jim Neu Dr., Ste. 3
Plymouth, IN 46563
855-800-8878
574-935-3643 (fax)
orders@directmetalsinc.com
www.directmetalsofindiana.com

Duo-Gard Industries Inc.

40442 Koppernick Rd.
Canton, MI 48187
734-207-9700
734-207-7995 (fax)
info@duo-gard.com
www.duo-gard.com



Dura Coat Products

5361 Via Ricardo Ave.
Riverside, CA 92509
951-341-6500
951-341-6505 (fax)
info@duracoatproducts.com
www.duracoatproducts.com
Dura Coat Products offers two high-performance coil coatings. Durapon 70™ is a PVDF formulation with exceptional durability and fade resistance that is also available with thick film primer for the tougher environments. Ceranamel™ XT-40 SMP is a proprietary polymer that is harder yet more flexible than ordinary coatings. Both are Energy Star compliant. Hydropon is a new air-dry, field-applied, water-base PVDF for recoating old metal roofs and siding.

THE ONLY ONE-STEP FASTENER!

for fiberglass or PVC panels!

Master One-Steppers® are the only time-saving one step screws for attaching panels that exhibit thermal expansion to wood frame structures. The revolutionary patented design self-drills an expansion hole, automatically centers, drives in and provides a cushioned expansion-seal in ONE STEP! No pre-drilling. No panel cracking!

Master One-Steppers® are available in 304 and 410 stainless steel, or in carbon steel with Leland's renowned long-life platings and powder coatings. Find out more today!



Toll Free: 1-800-263-3393
www.lelandindustries.com

Demand North American Quality!

Circle Reader Service #341

Hexavalent Chromium Free!
It's the law.

DYNAMIC FASTENER

Dynamic Fastener

9911 E. 53rd St.
Raytown, MO 64133
800-821-5448
800-844-1199 (fax)
kenwebb@dynamicfastener.com
www.dynamicfastener.com
Dynamic offers same-day shipping of screws, anchors, flashings, safety equipment, hand tools and power tools. Available is in-house painting of screws and rivets, with one- or two-day lead-time. The company's free 132-page, full color tool and fastener hand guide provides engineering data and details product offering.



Eagle Metal Products

802 N. 3rd St.
Mabank, TX 75147
800-521-3245
903-887-2239 (fax)
info@eaglemetal.com
www.eaglemetal.com
Serving the building component industry for more than 25 years with connector plates, structural design software, engineering services and truss manufacturing equipment, Eagle Metal Products is committed to providing exceptional products and customer service for wood truss fabricators across North America. Engineered. Tested. True.



East Coast Fasteners

PO Box Q
Elkhart Lake, WI 53020
800-558-5895
800-257-5926 (fax)
kpope@plyco.com
www.plyco.com
East Coast Fasteners is committed to providing the highest quality products and service to the post-frame and commercial construction industries. The company offers a variety of fasteners to deliver the best product for the specific project. East Coast Fasteners produces durable, long-lasting fasteners for all combina-

tions of building materials and is dedicated to producing the highest quality, long-life and fastest drilling products. For assistance in finding the best fasteners for your task, contact a Plyco/East Coast Fasteners building components professional today.



EDCO Products Inc.

8700 Excelsior Blvd.
Hopkins, MN 55343
952-945-2680
952-938-9244 (fax)
sales@edcoproducts.com
www.edcoproducts.com



Enercept SIPS

3100 9th Ave. SE
Watertown, SD 57201
605-882-2222
605-882-2753 (fax)
enercept@enercept.com
www.enercept.com



Energy Panel Structures

603 N. Van Gordon Ave.
Graettinger, IA 51342
800-967-2130
712-859-3275 (fax)
epsmarketing@epsbuildings.com
www.epsbuildings.com
Complete pre-engineered building systems manufactured in Iowa, New York and Missouri for more than 35 years. Systems include: Post Frame; Solid Core; Livestock; Residential; Structural Insulated Panels; and Pre-Assembled Stud Walls. Call for your local builder/dealer today!



Englert Inc.

1200 Amboy Ave.
Perth Amboy, NJ 08861
800-364-5378
732-826-8865 (fax)
info@englertinc.com
www.englertinc.com
Englert is a provider of renewable resource solutions where solar roof technology, metal roofing and rainwear systems play a criti-

cal role in collecting solar electric and solar thermal energy and harvested rainwater.

Entrematic / Amarr Garage Doors

165 Carriage Ct.
Winston-Salem, NC 27105
800-503-3667
336-251-1851 (fax)
ask@amarr.com
www.amarr.com



EPDM Coatings

494 Bridgeport Ave.,
Ste. 101-342
Shelton, CT 06484
610-298-1989
702-977-2936 (fax)
info@epdmcoatings.com
www.epdmcoatings.com
Fix roof leaks once with Liquid Rubber, the only liquid EPDM in the world. It provides a new roof at a fraction of the cost. With a 25-year history of success, this one-coat application needs no primer and has been proven in laboratory testing to last three times longer than elastomers. Save time and money with a do-it-yourself application. Takes submerged water 365 days a year. Don't forget to ask about volume discounts! EPDM coating was awarded Top 10 Product honors by *Metal Roofing Magazine*.



Erect-A-Tube Inc.

PO Box 100
Harvard, IL 60033
815-943-4091
815-943-4095 (fax)
hangars@erect-a-tube.com
www.erect-a-tube.com
Erect-A-Tube Inc. designs, engineers and fabricates electric bi-fold doors, clear-span hangars and tee-hangars for the general aviation and small business jet markets. All of our products are designed and engineered to your specifications and building code requirements. With 54 years of manufacturing experience, design flexibility and commitment to quality, our products will provide years of reliable service.



Everlast Roofing Inc.

10 Enterprise Ct.
Lebanon, PA 17042
888-339-0059
717-270-6569 (fax)
info@everlastroofing.com
www.everlastroofing.com
Everlast manufactures a variety of quality, high-performance metal roofing and siding materials for architectural, commercial, industrial, post-frame and residential markets and features a wide range of gauges, colors and custom trims.



Extreme Panel Tech

PO Box 435, 475 East 4th St. N
Cottonwood, MN 56229
800-977-2635
507-423-5531 (fax)
info@extremepanel.com
www.extremepanel.com



Extrutech Plastics Inc.

5902 W Custer St.
Manitowoc, WI 54220
920-684-9650
888-818-0118
920-684-4344 (fax)
info@epiplastics.com
www.epiplastics.com
Extrutech Plastics, Inc. is an ISO 9001 Certified Manufacturer of bright white tongue and groove wall and ceiling panels that are perfect for incidental food contact applications. Panels install quickly with no exposed fasteners, providing a smooth, easy to clean surface. Suspended ceiling panels, new concrete FORM System and doors also available.



Fabral

300 Railhead Rd.
Fort Worth, TX 76106
800-477-2741
717-397-1040 (fax)
info@fabral.com
www.fabral.com
Fabral is the premier supplier of metal roofing and siding, and



manufactures one of the most extensive product lines available for post-frame, agricultural, residential, architectural, commercial and industrial applications. Fabral's total system offering includes a wide selection of standing seam roof profiles and both exposed fastener and concealed fastener panels - available in a variety of substrates, gauges and color, and accessories including Condens-Stop, underlayment, snow retention and copper accents.

Fascut Industries Inc.

7248 Inama Rd.
Sauk City, WI 53583
608-643-6678
608-643-2682 (fax)
www.fascut.com

FBI Buildings Inc.

3823 W. 1800 S
Remington, IN 47977
800-552 2981
219-261-3193 (fax)
info@fbibuildings.com
www.fbibuildings.com



Filc USA - makers of DRIPSTOP

10118 Settlement House Rd.
Dayton, OH 45458
937-660-6646
937-999-3927 (fax)
info@dripstop.com
www.dripstop.com
DRIPSTOP is the world's best-selling condensation control membrane thanks to being the solution most builders turn to and trust. Builders eliminate the hassle of installing insulation or vapor barriers since DRIPSTOP absorbs moisture as it appears in the building overnight, and releases it as normal humidity during the day. Filc USA is also proud to present Steel Shield, a new residential product that protects the underside of the steel against abrasion during reroofing.



Fold Tite Systems Inc.

PO Box 2283
Malta, NY 12020
866-580-8980
518-691-8347 (fax)
sales@foldtite.com
www.foldtite.com
Fold Tite Systems now manufactures and sells the Cool-Air and Manual Hangar Door line of large non-powered doors for aircraft hangars as well as commercial and agricultural buildings. Door designs include the Fold Tite Stacker which can be installed inside or outside, the Multiple Narrow Panel Inside Slider, Standard Top Hung or Bottom Rolling Straight Sliding Doors. The Narrow Panel Doors are now shipped pre-assembled and available with steel or poly sheeting pre-installed.



Frame Building Expo

8735 W. Higgins Rd., Ste. 300
Chicago, IL 60631
800-557-6957
847-375-6495 (fax)
nfba@nfba.org
www.nfba.org
The National Frame Building Expo is the premiere event for post-frame builders. In 2017 the 50th expo will be held in Nashville, Tennessee, March 8-10.



Frame Building News

700 E State St.
Iola, WI 54990
800-726-9966
715-445-4087 (fax)
www.constructionmagnet.com
Frame Building News is the official publication of the National Frame



ECO-FRIENDLY PRODUCTS



Manufacturer of Over 100 Environmentally Safe Insulating Ceramic Waterproofing Paints and Coatings

www.nationwidecoatings.com



RESIDENTIAL - COMMERCIAL - INDUSTRIAL

INTERIOR CERAMIC PAINTS	EXTERIOR CERAMIC PAINTS	ELASTOMERIC WALL COATINGS	PROTECTIVE WOOD & DECK FINISH	CLEAR ACRYLIC ROOF COATINGS	ELASTOMERIC ROOF COATINGS
-------------------------	-------------------------	---------------------------	-------------------------------	-----------------------------	---------------------------








ELASTOMERIC WATERPROOFING INSULATING CERAMIC ROOF COATINGS - ZERO V.O.C. INSULATING CERAMIC INTERIOR & EXTERIOR PAINTS
ELASTOMERIC CERAMIC WALL, TEXTURE & INDUSTRIAL COATINGS - CONCRETE & DECK PAINTS, STAINS, CLEAR COATS & SEALERS
WOOD STAINS, CLEARS & DECK-OVER COATINGS - EPOXIES - COLOR MATCHING & CUSTOM FORMULATIONS

CALL TODAY FOR FREE SALES & MARKETING BOOK!



Partner Since 1999

NATIONWIDE PROTECTIVE COATING MANUFACTURERS, INC.

www.nationwidecoatings.com



Member Since 1997

The PERMANENT Coating Solution™

1.800.423.7264  941.753.7500

Building Association and has more than 19,000 subscribers, most of which make their living in the post-frame industry. It covers news from the NFBA and its annual trade show and conference, the Frame Building Expo. It is published five times a year. For editorial questions contact Sharon.Thatcher@fwcommunity.com. For advertising opportunities contact Gary.Reichert@fwcommunity.com or Tyler.Jenson@fwcommunity.com.

Free State Lumber Company

41542 Hwy. 195
Haleyville, AL 35565
205-486-4000
205-486-8571 (fax)
rodneymfreestate@gmail.com

**FRSA-Florida Roofing,
Sheet Metal and Air Conditioning Contractors Assn.**

PO Box 4850
Winter Park, FL 32793
800-767-3772
407-679-0010 (fax)
frsa@floridarroof.com
www.floridarroof.com

Garland Company, The

3800 E 91st St.
Cleveland, OH 44105
800-321-9336
216-641-0633 (fax)
info@garlandind.com
www.garlandco.com



Garwood Manufacturing Inc.

Garwood Manufacturing
115 Lismore Ave.
Glenside, PA 19038
215-887-6600
215-887-7975 (fax)
mrotter@ventcoinc.com
www.shear-x.com
SHEAR-X provides superior building strength against seismic and lateral wind loads. This exciting new building technology is the first of its kind. Nothing else has ever provided this degree of seismic and wind stability. Shear-X allows the use of continuous ridge vents in blocked diaphragms.



Gary Machinery LLC

1931 East Main St.
Griffith, IN 46319
219-980-5700
219-980-0405 (fax)
sales@GaryMachinery.com
www.garymachinery.com

General Equipment Company

620 Alexander Dr. SW
Owatonna, MN 55060
507-451-5510
general@generalequip.com
www.generalequip.com

General Panel Corporation

PO Box 5235
Johnson City, TN 37604
423-747-8710
888-315-2725 (fax)
bjohnson@generalpanel.com
www.generalpanel.com



Glick Metals LLC, Snap-Z

330 Swamp Rd.
Morgantown, PA 19543
717-572-0910
888-696-4457 (fax)
info@standingseamroofvent.com
www.standingseamroofvent.com
The inventors of the Snap-Z Ridge Roof Vent System. This revolutionary ridge roof vent is made for standing seam metal roofs only. Our patented vented closure systems are sold to dealers and distributors. The clean and neat appearance of the metal ridge roof vent will complement any roof.

A. B. MARTIN
ROOFING SUPPLY, LLC
Roofing & Siding • Hardware • Lumber

Ultra-Vent
Conforms to any roof panel!
Compresses and fills every void
Factory applied glue strips for easy install
1" wide x 1.5" high x 20' long rolls

**In-stock for
Fast Shipment Nationwide**

82 Garden Spot Rd. | Ephrata, PA 17522 | 717-445-6885
35 Ridge Rd. | Newville, PA 17241 | 717-776-5951 www.abmartin.net

Circle Reader Service #291

SNAP-Z
Patent Pending
**REVOLUTIONARY
RIDGE VENT**

MADE FOR STANDING SEAM METAL ROOFS

Designed to work with
1", 1½", 1¾" standing
seam profiles.

Available in a variety
of colors

20 year limited
warranty

Makes installing a breeze!
www.StandingSeamRoofVent.com
717-572-0910

Circle Reader Service #297



Golden Rule Fasteners

P.O. Box 781178
 Tallassee, AL 36078
 334-283-4030
 334-283-4032 (fax)
 grfast@centurytel.net
 www.goldenrulefastenersinc.com
 At Golden Rule our focus is on quality and service. We keep a large inventory so we can ship most orders the same day.



Graber Post Buildings

7716 N 900 E
 Montgomery, IN 47558
 800-264-5013
 812-636-4936 (fax)
 ken@graberpost.com
 www.graberpost.com
 Graber Post Buildings continues to

be a phone call away from acquiring all post-frame building materials and do-it-yourself packages. Graber saves its customers time and money by offering everything in one location. From steel coils, trims, engineered trusses, lumber and accessories Graber has what it takes to keep its customers coming back for more. From the customer's first interaction with the salesman, to the delivery or construction of the building, Graber offers nothing less than great quality service.



GSSI Sealants Inc.

1420 N. Post Oak Rd.
 Houston, TX 77055
 800-288-9489
 888-947-4925 (fax)
 info@gssisealants.com
 www.gssisealants.com
 GSSI Sealants, Inc. is an independent, family-owned manufacturer of premiere elastomeric butyl rubber sealant tapes. We have been producing tapes for a wide

range of industries and applications for more than 30 years. Our MB-10A is a premier elastomeric butyl rubber sealant designed to meet the critical requirements of metal building applications.

Gutter Helmet

11801 Industry Dr.
 Jacksonville, FL 32218
 800-824-3772
 www.gutterhelmet.com

GutterGuard Pro

9051 NW 97 Terrace
 Miami, FL 33178
 800-327-7077
 561-630-7457 (fax)
 pc_sales@plasticcomponents.com
 www.gutterguardpro.com



GutterSupply.com

19 Skokie Valley Rd.
 Lake Bluff, IL 60044
 888-909-7246
 847-283-0007 (fax)

info@guttersupply.com
 www.GutterSupply.com
 GutterSupply.com is a supplier and manufacturer of gutters and gutter accessories in aluminum, copper, steel, Galvalume, zinc and freedom gray copper. Product line includes gutter guards, gutter machines, rain chains, snow guards, portable brakes and a large selection of custom made products.



H&H Metal Products

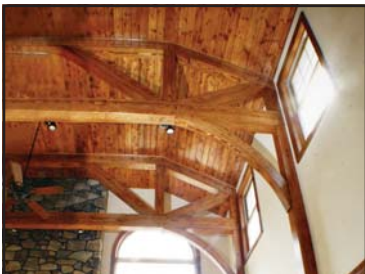
104 Industrial Way
 Charlestown, IN 47111
 812-256-0444
 812-256-0465 (fax)
 contacthh@hhmetalproducts.com
 www.hhmetalproducts.com
 Manufacturer and distributor of quality steel roofing, siding products and accessories for the post-frame building industry, agricultural buildings and the residential roofing market.



Giving Beauty a whole new meaning with glue-laminated products!



Manufactures of Pavilions, Heavy Timber Trusses, Bridges, Posts, Beams, & Arches



Contact one of our knowledgeable salesmen today about your new building project!

701 East Linden Street Richland, PA 17087
 Ph: (717) 866-6581 ~ Fx: (717) 866-7237
 www.rigidply.com

Hayes International

1200 E Cole St.
Moundridge, KS 67107
620-345-6394
620-345-6381 (fax)
bradbury@bradburygroup.com
www.bradburygroup.com

Heritage Building Systems

2612 Gribble St.
North Little Rock, AR 72114
888-643-5555
heritagesales@heritagebuildings.com
www.heritagebuildings.com

Heritage Equine Equipment

74 Quail Ln.
Box Springs, GA 31801
706-575-5153
marybeth@heritageequineequip.com
www.heritageequineequip.com



Hershey's Metal Meister

420 Progress Dr.
Mattoon, IL 61938
877-289-3030
A unique hybrid of European design and USA manufacturing, the Hershey's patented Variobend machine provides an innovative double-bending capability with amazing speed and accuracy. Now the leading manufacturer in its field, Variobend offers user-friendly software with its cutting-edge ability for unusual profiles and greatly reduced material handling. Hershey's also produces Hitz Halter radiant floor insulation for all below-grade applications.

Hexion Inc.

180 E. Broad St.
Columbus, OH 43215
614-225-4000
614-986-2496 (fax)
4information@hexion.com
www.hexion.com

Hi-Fold Door Corporation

N6170 1070th St.
River Falls, WI 54022
800-443-6536
715-262-3998 (fax)
sales@hi-fold.com
www.hi-fold.com

Hoover Treated Wood Products, Inc

154 Wire Rd.
Thomson, GA 30824
706-595-9855 Ext. 100
706-595-6600 (fax)
kmillier@frtw.com
www.frtw.com

Hörmann LLC

5050 Baseline Rd.
Montgomery, IL 60538
630-859-3000
630-859-8122 (fax)
info@hormann.us
www.hormann.us

Hoskins Mfg. Co. Inc.

PO Box 101
105 N Main St
Hoskins, NE 68740
402-565-4420
402-565-4529 (fax)
hoskimg@ptcnet.net
www.hoskins-mfg.com



Hutchison HW Brand Lumber & Building Products

7460 Hwy 85
Adams City, CO 80022
303-287-2826
303-289-3286 (fax)
info@hutchison-inc.com
www.hutchison-inc.com
Wholesales lumber and building products, remanufactures lumber for the industry, distributes farm hardware, ranch supplies, livestock and equine equipment. HW Brand Traditional Panel and HW Brand Universal Panel metal roofing and siding available in 15 colors. Specialists in accessories, fasteners, building hardware, windows, doors, laminated columns, treated squares, lumber, engineered wood and plywood panel products stocked in our three distribution centers.



Hydrowswing North America

2100 Palomar Airport Rd. Ste. 210
Carlsbad, CA 92011
800-404-HYDRO (4937)
enquiries@hydrowswing.com
www.hydrowswing.com
Hydrowswing® hydraulic door system is the original and still the best door on the market. Hydrowswing's powerful, precision-engineered, all-steel single

panel hydraulic doors are prehung in their own frame. Available from 10 feet to 120 feet plus for any project. Hydrowswing is the large door system for the life of your building.



I-Beam Sliding Doors

960 E. Cemetery Ave.
Chenoa, IL 61726
815-945-3667
815-945-7073 (fax)
ibeamdoors@gmail.com
www.ibeamdoor.com
I-Beam Sliding Doors is home of the Ultra Glide Track & Trolley System, featuring 4,000 pound track/6,000 pound trolley. 10-year, 90 mph wind warranty. Doors done right. DOORS THAT WORK!



idea book, the

700 E. State St.
lola, WI 54990
715-445-4612
715-445-4087 (fax)
www.constructionmagnet.com
Featuring signature projects of the metal roofing manufacturers that showcase the best of metal design and architecture. For editorial questions contact Sharon.Glorioso@fwcommunity.com. For advertising opportunities contact Gary.Reichert@fwcommunity.com or Tyler.Jenson@fwcommunity.com.



Ideal Building Fasteners

920 Second Ave.
Coraopolis, PA 15108
800-670-5767
412-299-6499 (fax)
donna.ibf@comcast.net
www.idealbuildingfasteners.com
Ideal is a major supplier of fasteners for the post-frame and metal construction industries. The line features high quality Dual-Grip post-frame screws. In stock is a complete line of closure strips, butyl caulk tapes and pipe sealers. The latest addition is the EZ Grip plastic sheet expansion fastener.

IMETCO

4648 South Old Peachtree Rd.
Norcross, GA 30071
800-646-3826
770-908-2264 (fax)
info@imetco.com
www.imetco.com



Indiana Warm Floors Inc.

935N 275W Ste. B
Angola, IN 46703
260-668-8836
260-668-8839 (fax)
scott@indianawarmfloors.com
www.indianawarmfloors.com
Radiant heat systems from Indiana Warm Floors are green energy options for heated pole barns, farm buildings, home floors, heated driveways, patios and loading docks, with potential energy savings up to 70 percent. Indiana Warm Floors, serving Northern Indiana, Ohio and Michigan, offers radiant floor heat, geo-thermal heating and cooling systems, snowmelt systems, (IR) tube heat and tankless water heaters. Indiana Warm Floors has been an authority in green energy since 1979.

Innerwall Shop Drawings

Atlanta, GA
www.innerwallcompany.com

Innovative Equine Systems

2559 Precision Dr. Suite 4
Minden, NV 89423
775-267-5550 Local
800-888-9921
775-267-6857 (fax)
info@equinesystems.com
www.equinesystems.com



Insulation Solutions

401 Truck Haven Rd.
East Peoria, IL 61611
866-698-6562
309-698-0065 (fax)
info@isibp.com
www.insulationsolutions.com
Insulation Solutions creates cutting-edge insulation, vapor barriers, building products and accessories for a variety of industries. The design and ingenuity of these products reflects

our mission: to change every day building challenges into practical solutions using science, research and technology. ISI maintains pride in craftsmanship and commitment to quality on which we were founded.



IntegraSpec ICF

11U-735 Arlington Park Pl.
Kingston, ON K7M 8M8
613-634-1319
613-634-2291 (fax)
info@integraspec.com
www.integraspec.com
IntegraSpec ICFs (Insulating Concrete Forms) create structurally stable, energy efficient buildings. One step achieves reinforced concrete walls, super insulated on both sides, strapped/furred every eight inches on center, with vapor/air barrier inherent. IntegraSpec ICFs offer multiple concrete core and insulation thickness and versatile steel reinforcing. Now offering foam boards and Peel-and-Stick Waterproof Membrane.



International Roofing Expo

6191 N. Hwy. 161 Ste. 500
Irving, TX 75038
800-684-5761
972-536-6410 (fax)
info@theroofingexpo.com
www.theroofingexpo.com
Taking place March 1-3, 2017, in Las Vegas, the International Roofing Expo (IRE) is the preeminent roofing construction and maintenance event where roofing professionals experience face-to-face interaction, product review, education and networking. The expansive show floor and extensive educational program provide the best opportunity to discover the latest trends, advances in technology and best practices for business growth.



Janus International

135 Janus International Blvd.
Temple, GA 30179
770-562-2850
770-562-1991 (fax)
marketing@janusintl.com
www.janusintl.com
Janus International Group, LLC is the leading manufacturer of third generation roll-up doors for the commercial and self-storage markets. Known for their dead-axle design and pre-lubricated springs, Janus doors are made of the highest quality and durability while consistently offering

low maintenance and easy installation. Janus also offers complete hallway systems, lockers, mezzanine systems, portable storage, a unique door replacement program, unit mix design and more. Janus offers more than just doors ... they offer solutions.

Jenny Products Inc.

850 N. Pleasant Ave.
Somerset, PA 15501
888-425-3669

814-445-2280 (fax)
dleiss@steamjenny.com
www.jennyproductsinc.com

Johnson Bros. Metal Forming

5744 McDermott Dr.
Berkeley, IL 60163-1102
708-449-7050
708-449-0042 (fax)
info@jobroco.com
www.johnsonrollforming.com



MB™ New Micro-Bit™ Engineering
Patent Pending

Stronger, More Consistent, Drill Point

The #1 complaint regarding sharp point screws is that they often drill slowly or not at all. SEALTITE has married its metal building fastener technology into its new KWIKSEAL® MB™ with micro-bit engineering. This KWIKSEAL® MB™ will eliminate the slow drill or no drill complaint. The transition thread will still generate superior holding strength in all wood substrates. The point will generate small metal shavings & eliminate the long "pigtail" prevalent with sharp point screws. It all adds up to a cleaner, more consistent application.



Easy Multi-Layer Penetration

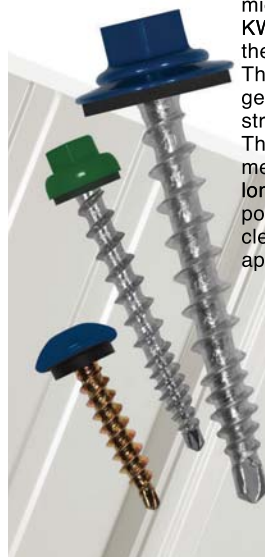
The MICRO-BIT will penetrate multiple thicknesses of metal panel often found at ridge cap applications more consistently than sharp point screws.



Eliminates Slow or No Drill



No Pig Tails



Call Today 800-352-4864

Most powder colors of the 10 x 1", 10 x 1 1/2", & 10 x 2" KWIKSEAL & ZXL WOODBINDER are available with the micro-bit point. The 10 x 2 1/2", 10 x 3", & 12 x 3/4" Stitch will be available 3rd quarter 2016



© 2016 Sealtite Building Fasteners

K&K Industries Inc.

8518 E. 550 N.
Montgomery, IN 47558
812-486-3281
812-486-3284 (fax)
www.kktruss.com

Kenwood Painted Metals

20200 Governors Dr., Ste. 202
Olympia Field, IL 60461
708-957-4443
708-957-4664 (fax)
aunderwood@kenwoodpainted.com
www.kenwoodpainted.com



Klauser Manufacturing Co.

1185 Roosevelt St. Extension
Dubuque, IA 52001
563-582-7201
563-582-2022 (fax)
sales@klauser.com
www.klauser.com
A family-owned business since 1870, Klauser is committed to providing high-quality, durable, energy-efficient products to the agricultural, residential and light commercial markets. Our gutter and accessories, as well as our metal building trim products are available in an array of colors. Inquire about our steel siding and soffit line.



KP Building Products

820 Hwy. 7 N
Holly Springs, MS 38635
586-216-0520
eric.mcfarlane@kkproducts.com
www.kpproducts.com

Lakeside Construction Fasteners

6476 Hwy 135 N
Paragould, AR 72450
800-537-4160
870-586-0643 (fax)
sales@lakeside-fasteners.com



Leland Industries

95 Commander Blvd.
Toronto, ON M1S 3S9
800-263-3393
416-291-0305 (fax)
info@lelandindustries.com
www.lelandindustries.com
Leland manufactures a complete line of fasteners for wood frame, metal roofing and steel



frame projects. The company offers self-tapping and self-drilling sealing fasteners in lengths to 8-inches, #10, 12 and 14 diameter. Leland's fasteners are 100 percent North American made, in carbon steel or stainless steel that can be plated, coated or powder coated to match any panel color. Leland will match any steel painted panel warranty without exception. Hexavalent Chromium Free and ROHS compliant.



Levi's Building Components

137 Newport Rd.
Leola, PA 17540
877-897-7020
717-656-2558 (fax)
info@levisbuildingcomponents.com
www.levisbuildingcomponents.com
Levi's Building Components can consolidate your roofing accessory orders. Known for quality products, quick shipping and expertly-filled orders, Levi's is a wholesale supplier and one stop for all your metal building fastener and accessory needs. Check out our extensive line of fasteners, including Fastgrip screws and our variety of snow retention guards, both available in 40-plus colors. Find roofing underlayment, venting, sealing and more.



LMCurbs

827 Fisher Rd.
Longview, TX 75604
800-284-1412
903-759-3598 (fax)
clint@lmcurebs.com
www.lmcurebs.com

Lonza

Lonza Wood Protection
360 Interstate North Pkwy. Ste. 450
Atlanta, GA 30339
678-627-2000
info@wolmanizedwood.com
www.wolmanizedwood.com
Lonza Wood Protection, the developer of Copper Azole, has taken this innovation to the next level with the addition of BARamine® technology. Wolman® E Copper Azole with BARamine technology is a high-powered, patented preservative that enhances the performance of our Wolmanized Outdoor® Wood by providing improved

penetration, more consistent preservative distribution, broad moldicide protection and improved resistance to certain aggressive damaging fungi.

Major Industries

7120 Stewart Ave.
Wausau, WI 54401
888-759-2678
sales@majorskylights.com
www.majorskylights.com



Marco Industries

4150 S. 100th E. Ave.,
Ste. 301
Tulsa, OK 74146
800-800-8590
918-622-4536 (fax)
www.marcoindustries.com
The Marco Weather-Tite System offers metal roofing customers a wide range of superior roof ventilation products and quality accessories. From its award-winning LP2 Ridge Vent, to closure materials, roofing sealant, underlayment, roof boots, clips and fasteners, Marco provides one-stop shopping for customers who seek easy-to-install products with excellent warranties and outstanding service. For value through the roof, contact Marco Industries.



Marion Manufacturing Inc.

201 S. Coble St.
Marion, KS 66861
888-865-8740
620-382-2322 (fax)
sales@marionmanufacturing.com
www.marionmanufacturing.com



Martin Building Products

16800 Fir Rd.
Carthage, MO 64836
417-358-4580
417-358-4589 (fax)
Rick@MartinBuildingProducts.com
www.martinbuildingproducts.com



Maze Nails

100 Church St.
Peru, IL 61354
800-435-5949
815-223-7585 (fax)
kim@mazenails.com
www.mazenails.com
Maze offers a full line of specialty nails in bulk for hand driving and in collated sticks and coils for pneumatic nailers. Maze Nails is the exclusive manufacturer of STORMGUARD® Double Hot-Dipped Galvanized Nails with a LIFETIME WARRANTY against rust. Maze has been serving the post-frame industry for many years, providing rubber washer nails, gutter spikes, joist hanger nails, hardened and threaded post-frame nails, roofing and siding nails. Call for more information or free samples (800-435-5949).



MBCI

14031 W Hardy St.
Houston, TX 77060
877-713-6224
281-445-1791 (fax)
info@mbci.com
www.mbci.com



McElroy Metal

1500 Hamilton Rd.
Bossier City, LA 71111
800-562-3576
318-747-8059 (fax)
info@mcelroymetal.com
www.mcelroymetal.com



Metal Building Contractors & Erectors Association (MBCEA)

PO Box 4308
Bethlehem, PA 18018
484-239-3337
sgraver@mbcea.org
www.mbcea.org



Metal Building Supply Company

1500 Elrod Rd.
 Piedmont, SC 29673
 800-922-8039
 864-295-0276 (fax)
 jerry.brown@mescobldg.com
 www.metalbuildingsupplyco.com
 We meet all your metal building design, fabrication and supply needs, and all under one roof: standard and cut-to-length roof and wall panels; red iron components; building kits and complete customized building systems; metal building accessories; 18,000 square feet of quality metal building inventory. Many items on our floor are available for immediate pick up. A buyers' guide available upon request.



Metal Construction Association

8735 W. Higgins Rd. Ste. 300
 Chicago, IL 60631
 847-375-4718
 847-375-6488 (fax)
 mca@metalconstruction.org
 www.metalconstruction.org

Metal Panels Inc.

131 S. 147th E. Ave.
 Tulsa, OK 74116
 918-641-0641
 918-641-0640 (fax)
 contact@metalpanelsinc.com
 www.metalpanelsinc.com
 Metal Panels Inc. manufactures quality metal roofing and siding products and has been meeting the needs of the metal roofing, metal building and post-frame industries since 2001. MPI offers 15 panel profiles, including standing seam, through-fastener and curved panels, as well as custom trim up to 21 feet. For

metal roofing, metal building supplies and accessories, MPI is your single-source supplier. MPI features Berridge and MPI StrongSeam quality panels.

Metal Rollforming Systems

4511 N Freya St.
 Spokane, WA 99217
 888-284-6794
 509-467-5631 (fax)
 amyn@mrsrollform.com
 www.mrsrollform.com



readers discover projects and products relevant to their industry and business. *Metal Roofing Magazine* is published seven times a year and is geared toward the professional metal roofer, with tips, features, news and product profiles. For editorial questions contact Sharon. Glorioso@fwcommunity.com. For advertising opportunities contact Gary.Reichert@fwcommunity.com or Tyler.Jenson@fwcommunity.com.



Metal Roofing Magazine

700 E State St.
 Iola, WI 54990
 800-726-9966
 715-445-4087 (fax)
 www.constructionmagnet.com
Metal Roofing Magazine started as a supplement to *Rural Builder*, but quickly blossomed into its own publication with the growth of metal roofing. Within the pages of *Metal Roofing*,



Metal Sales Manufacturing Corp.

545 S. 3rd St., Ste. 200
 Louisville, KY 40202
 800-406-7387
 502-855-4200 (fax)
 info@metalsales.us.com
 www.metalsales.us.com
 Metal Sales Manufacturing Corporation is the premier nationwide provider of metal roof,

WESTERN™
PRODUCTS OF INDIANA

WALK DOORS

WINDOWS

#11 SLOTTED TRACK
THE MOST VERSATILE ROUND TRACK
PROUDLY MADE IN NEW CASTLE, IN

CUPOLAS

DUTCH DOORS

**CALL US WITH YOUR REQUIREMENTS TODAY.
 WE'LL HELP YOU BUILD THE FUTURE.**

(800) 553-5142 www.westernproductsinc.com

MADE IN THE USA

wall and fascia panels for the construction industry. With the largest sales and technical support team, Metal Sales has the expertise to address today's construction challenges. Celebrating its 50th anniversary in 2013, Metal Sales delivers outstanding metal panels from its 21 facilities throughout the U.S. Branch locations: Denver, CO; Jacksonville, FL; Jefferson, OH; Independence, MO; Sellersburg, IN; Rogers, MN; Nashville, TN; Spokane, WA; Seattle, WA; New Albany, NY; Rock Island, IL; Deer Lake, PA; Temple, TX; Woodland, CA; Fontana, CA; Anchorage, AK; Bay City, MI; Detroit Lakes, MN; Mocksville, NC; Fort Smith, AR; Sioux Falls, SD.

Metro Roof Products
212 W. 10th St., Ste. D225
Indianapolis, IN 46202
317-617-2938
info@metroroofs.com
www.metroroofs.com



MFM Building Products

525 Orange St.
Coshocton, OH 43812
800-882-7663
740-622-6161 (fax)
info@mfmbp.com
www.mfmbp.com

MFM Building Products manufactures a complete line of exterior, self-adhering waterproofing members. Product line includes low-slope roofing membranes, roofing underlayments, window flashing tapes, above- and below-grade waterproofing members and specialty construction tapes. Request your FREE sample by visiting the website.



Midland Door Solutions

1021 7th St. NE
West Fargo, ND 58078
701-277-8836
701-277-8961 (fax)
info@midlanddoorsolutions.com
www.midlanddoorsolutions.com
Midland Door Solutions (formerly Midland Bi-Fold Doors) is the unparalleled leader in the design, manufacturing and installation of custom bi-fold and hydraulic doors. Since 1995, Midland has been providing solutions to customers' big door needs. We guarantee the best customer service and lowest total cost of ownership within the industry.



Midwest Enterprises

PO Box 188, #1 Wagner
Saint Clair, MO 63077
800-748-7736
636-629-3177 (fax)
sales@e-zgutter.com
www.e-zgutter.com
E-Z Gutter Guards from Midwest Enterprises are the hardest working gutter guards in the business. Midwest Enterprises manufactures a wide variety of painted, brushed aluminum, powder coated and copper gutter protection products, and sells them nationally through a wide network of distributors. E-Z Gutter Guards are engineered for higher performance under heavy rain and wind, with special channels and bends to add strength, help water drop through faster, and help keep the guards tightly in place.



Midwest Perma-Column

7407 N. Kickapoo Edwards Rd.
Edwards, IL 61528
800-798-5562
309-589-1199 (fax)
info@midwestpermacolumn.com
www.midwestpermacolumn.com
Midwest Perma-Column is the manufacturer of a precast concrete column for post-frame building which allows an economical concrete foundation and eliminates ground-contact wood failure. The metal connecting brackets will fit any laminated column design or solid post dimensions that a builder uses. Additionally, we manufacture and furnish specialty concrete columns, foundation pads, concrete anchoring systems and hardware.



Mill Steel Co.

5116 36th St.
Grand Rapids, MI 49512
800-247-MILL (6455)
616-977-9392 (fax)
info@millsteel.com
www.millsteel.com

Mitex International

1001 Airport Rd.
Terrell, TX 75160
469-209-6500
469-453-3228 (fax)
michael.siemann@mitexint.com
www.mitexint.com

Momentive Performance Materials Inc.

260 Hudson River Rd.
Waterford, NY 12188
614-986-2495
212-334-2463 (fax)
4information@momentive.com
www.momentive.com

Murus Company Inc., The

PO Box 220
Mansfield, PA 16933
800-626-8787
570-549-2101 (fax)
info@murus.com
www.murus.com



MWI Components

1015 32nd Ave. West
Spencer, IA 51301
800-360-6467
712-262-8944 (fax)
contactsales@mwicomponents.com
www.mwicomponents.com
MWI Components offers more color options for your metal building components than anyone else in the industry. With more than 100 colors available in steel, almost 30 different aluminum colors and 50-plus powder coat colors the combinations are endless. This will allow you and your customers to create beautiful and unique buildings using our cupolas, Ridge-Vents®, soffit, trim, Arcadia sliding doors, dutch doors, bale doors and stall systems. Call MWI Components today and make your buildings stand out from the rest!



National Frame Building Assn.

8735 W. Higgins Rd. Ste. 300
Chicago, IL 60631
800-557-6957
847-375-6495 (fax)
info@nfba.org
www.nfba.org
NFBA works together with you to build your post-frame business by providing education, advocacy and growth opportunities.



National Manufacturing / Stanley Hardware

19701 DaVinci
Lake Forest, CA 92610
949-672-4313
matt.richman@spectrumbrands.com
www.natman.com
A Legacy of Longevity, Service & Sales Support. National Manufacturing Co. was started in 1901 as a small wagon company in Sterling, Illinois. The focus soon turned to manufacturing and selling general hardware and over the course of the next century, National Hardware grew to one of the leaders in builders' hardware. Today, the National Hardware branch has reached global status and offers more than 7,500 products. Our focus is on providing the best hardware and service to our valued customers.



Nationwide Protective Coating Mfrs. Inc.

7106 24th Court East
Sarasota, FL 34243
800-423-7264
941-753-1773 (fax)
info@natcoat.net
www.nationwidecoatings.com
Established in 1964, Nationwide Protective Coating Mfrs., Inc., produces more than 100 quality paints and coatings. We are an Energy Star partner and offer complete lines of environmentally-friendly interior/exterior ceramic paints and elastomeric waterproofing ceramic wall and roof coatings.



New Tech Machinery

New Tech Machinery Corp.

1300 40th St.
Denver, CO 80205
800-574-1717
303-294-9407 (fax)
sales@newtechmachinery.com
www.newtechmachinery.com
New Tech Machinery manufactures the world's finest portable roof panel and gutter machines. Located in

Colorado, we have distributors worldwide and our equipment has been shipped to more than 40 different countries. We offer innovation, high quality equipment and unmatched customer service.



NOFP Inc.

725 Enterprise Ave.
Wauseon, OH 43567
800-339-4850
419-335-2380 (fax)
jb@nofp.com
www.nofp.com



Novagard Solutions

5109 Hamilton Ave
Cleveland, OH 44114
800-380-0138
216-881-6977 (fax)
novagard@novagard.net

www.novagard.net
Novaflex® Metal Roof Sealant is a premium neutral-cure silicone sealant with its excellent adhesion and permanent flexibility. Novaflex extrudes down to -20 degrees F and up to 120 degrees F, and is tack free in 10-15 minutes. The seal stays flexible for years with minimal shrinkage, so there is no sagging or cracking.

Olympia Steel Buildings

400 Island Ave.
McKees Rocks, PA 15136
888-449-7756
412-771-4191 (fax)
www.olympiabuildings.com



Paint Valley Parts / Acu-Form

10550 Township Rd. 262
Millersburg, OH 44654
330-674-4003
330-674-4035 (fax)

Acu-form has been successful in designing and manufacturing machines that consistently provide quality products, using D2 tool steel forming dies, which provide longevity. Most parts are built in-house, giving us superior quality control. Acu-Form machines can be set up to run with electric, hydraulic, or mechanical.



Palram Americas

9735 Commerce Cir.
Kutztown, PA 19530
800-999-9459
610-285-9928 (fax)
sales.usa@palram.com
www.palramamericas.com
Palram Americas, manufacturer of PVC and polycarbonate panels, has MetalMatch technology, allowing the use of Sunsky® polycarbonate panels for

daylighting options with virtually any metal profile available. Palram also offers AG-TUF™, a PVC liner panel for use in agricultural buildings. AG-TUF is durable, and has excellent resistance to chemicals.



Perma-Column Inc.

400 Carol Ann Ln.
Ossian, IN 46777
260-622-7190
sales@permacolumn.com
www.permacolumn.com
Since 2002, Perma-Column has become a leading supplier for alternative foundations in post-frame construction. Perma-Columns are precast concrete piers that fasten to any post or wood column, allowing post frame with no concrete trucks, and no treated wood in the ground. If a poured concrete foundation is preferred, the Sturdi-Wall prod-

[beck] FASTENER GROUP
SCRAIL
Getting you up to speed.

STAFBA Booths #418-424

RoofLoc®
for high-speed metal roof installation

BECK Fastener Group®, FASCO America®, SCRAIL® and RoofLoc® are registered trademarks of the BECK Fastener Group.

Master Distributor **FASCO AMERICA** www.fascoamerica.com

Circle Reader Service #359

The Brut Post Grabber
Patent Pending
Skid Steer Attachment

NEVER MAN-HANDLE A HEAVY POST AGAIN!

Watch these amazing tools in action!

See our videos on www.thebrutpostgrabber.com

Scott Cook
208-217-0597

Rural Builder 2015
TOP 10 PRODUCT

Warning!!!
Setting posts with the Brut Post Grabber may be addicting (and fun). Consult Scott Cook 208-217-0597 to see if the Brut is right for you.

Circle Reader Service #315

uct is the answer. These heavy-duty brackets come in wet- and drill-set variations to fit most common sizes. All products are engineered and manufactured in the USA.



Petersen Aluminum Corp.

1005 Tonne Rd.
Elk Grove Village, IL 60007
800-PAC-CLAD
800-722-7150 (fax)
sales@petersenmail.com
www.PAC-CLAD.com
For more than 50 years, Petersen Aluminum has provided the highest-quality architectural metal products with reliable lead times. Our products include standing seam and exposed fastener roofing panels, metal wall and soffit panels, composite panels, column covers, perimeter roof edge systems and aluminum and steel coil and flat stock in painted, anodized and mill finish. See our complete catalog and suite of helpful E-Tools on our website.

Plasti-Sleeve Post Protection

26740 Hwy. 169
Zimmerman, MN 55398
763-856-5555
763-856-2975 (fax)
sales@plastisleeve.com
www.plasti-sleeve.com



Plyco Corporation

PO Box Q
Elkhart Lake, WI 53020
800-558-5895
800-257-5926 (fax)
kpope@plyco.com
www.plyco.com
Since 1951, Plyco has been a leading supplier of products to the post-frame, metal-frame and commercial construction industries. Plyco manufactures a full line of products including metal walk doors, windows, horse stall systems, ventilation products, fasteners and closures. For many builders Plyco provides one-stop shopping for their building component needs.



Post-Frame Advantage

8735 W. Higgins Rd. Ste. 300
Chicago, IL 60631
800-557-6957
847-375-6495 (fax)
info@postframeadvantage.com
www.postframeadvantage.com
For an engineered wood building system that combines value and efficiency, consider the Post-Frame Advantage. Post-Frame Advantage educates architects, engineers and building owners on the benefits of post-frame construction: design flexibility, cost-effectiveness, sustainability and durability. For information on using post frame or to locate a post-frame contractor, visit the website.



Post-Rack by Scott Systems

PO Box 214
Anchorville, MI 48004
888-204-9990
info@scott-systems.com
www.post-rack.com
Create accessible storage anywhere by taking advantage of your building's own vertical structure with virtually no limitations in placement. Our Post-Rack bracket has a variable grip that fits upright posts from 3.25" to 6.25" wide. Shelving is built from standard lumber on-site to match width of openings between upright posts.



Post Protector

PO Box 187
Pottsville, PA 17901
570-624-7030
570-624-7031 (fax)
ken@postprotector.com
www.postprotector.com



**PostFrame Manager/
Roofing Manager**

4840 Bob Billings Pkwy Ste. 1000
Lawrence, KS 66049-3862
800-375-2547
785-222-4712 (fax)
tom.knight@bizportz.com
www.postframemanager.com or
www.roofingmgr.com



PowerLift Hydraulic Doors

PO Box 311
Lake Benton, MN 56149
507-368-9500
507-368-1358 (fax)
info@powerliftdoors.com
www.powerliftdoors.com
PowerLift Hydraulic Doors is North America's largest hydraulic door supplier. It has been designing, manufacturing and installing every door to the exact project requirements for more than 20 years. PowerLift has supplied thousands of doors for the agriculture, aviation, commercial and residential markets that are safe, strong, quick, energy efficient and reliable. Engineered for strength and completely welded together in a single panel requiring no bolting, PowerLift provides the industry's only lifetime structural warranty.

PPG Industries Inc.

125 Colfax St.
Springdale, PA 15144
888-PPG-IDEA
coexcoatings@ppg.com
www.ppgideascales.com



Prassas Metal Products, Inc.

1411 W 190th St., Ste. 360
Gardena, CA 90248
310-217-4533
310-217-4530 (fax)
pmpsteel@yahoo.com
www.pmpsteel.com
PMP is a 27-year-old steel trading company and steel coil distributor, specializing in pre-painted Galvalume and galvanized products. PMP competitively supplies both import and domestic mill product to all major USA market regions and a variety of industry applications. PMP maintains a coil distribution center in

Savannah, Ga., stocking 18 industry-standards colors of pre-painted Galvalume (29- and 26-gauge), acrylic-coated Galvalume and selected 29-gauge polyester colors for the metal roofing industry.

Pro-Tec Engineered Buildings

P.O. Box 1265
Sioux Falls, SD 57101-1265
800-557-4689
605-357-8597 (fax)
info@siouxsteel.com
www.protecbuildings.com



STEEL BUILDING SYSTEMS

R&M Steel Co.

PO Box 580
Caldwell, ID 83660
866-454-1800
208-454-1801 (fax)
sales.rmsteel@gmail.com
www.rmsteel.com
R&M custom designs pre-engineered metal building systems for virtually any application, designed for quality, fast and economical installation. Metal building components, including roof/wall paneling, C's, Z's, eave struts and trims are also available. Forty-seven years of manufacturing excellence stands behind R&M Steel.



R&N Manufacturing, LLC

3500 Neville Rd, S.te A
Neville Island, PA 15225
412-778-4103
412-778-4014 (fax)
ryan@mfg-steel.com
www.steelbuildingcomponents.com
R&N Manufacturing, LLC is a Pittsburgh-based manufacturer of high-quality steel building components and complete pre-engineered steel buildings and mini-storage warehouses. R&N offers contractors and other buyers high-quality sheeting and cold-formed components at factory-direct pricing. Order for delivery or arrange same-day factory pick-up on our direct-order website.



RAMCO Supply

4572 N. Old US Hwy. 31
 Rochester, IN 46975
 574-223-7802
 574-223-7846 (fax)
 marvin@ramcosupply.com
 www.ramcosupply.com
 Ramco Supply manufactures metal siding and roofing for pole barns and house roofs. Ram Panel is a 28 gauge 36 inch wide panel with 3/4-inch high ribs. Ramco Supply also manufactures standing seam roofs in 16-inch wide panels. Ramco Supply sells windows, doors, sliding door track, and lumber. Ramco Supply offers complete building packages.

Rare Manufacturing Inc.

19154-95 A Avenue
 Surrey, BC V4N 4P2
 604-882-2888
 604-882-2887 (fax)
 holly@raremanufacturing.com
 www.raremanufacturing.com

RAS Systems LLC

1135 Dividend Ct.
 Peachtree City, GA 30269
 770-487-7300
 770-487-1007 (fax)
 bkennedy@ras-systems.us
 www.ras-systems.com



Raytec Manufacturing

544 Gristmill Rd.
 Ephrata, PA 17522
 877-800-2500
 717-445-0511 (fax)
 sales@raytecllc.com
 www.raytecllc.com
 Raytec has been serving the rain gutter industry since 1956. Manufacturers of Hangtite and Hangfast hidden gutter hangers, the company is committed to exceeding your quality and customer service expectations. East Coast, Midwest and Northwest warehouses ensure fast deliveries. Most orders ship in 24 hours.

Reflective Insulation Manufacturers Association International

PO Box 14174
 Lenexa, KS 66285
 800-279-4123
 913-730-8869 (fax)
 rima@rima.net
 www.rimainternational.org



Replications Unlimited LLC

9200 Latty Ave.
 Hazelwood, MO 63042
 314-524-2040
 314-524-4040 (fax)
 sales@replicationsunlimited.com
 www.replicationsunlimited.com
 Replications manufactures of an innovation series of pre-engineered stone, brick and wood panels designed for the metal building industry. Also visit www.urestonepanels.com.

Richland Laminated Columns LLC

8252 St. Rt 13
 Greenwich, OH 44837
 419-895-0036
 419-895-0062 (fax)



Rigidply Rafters Inc.

701 E. Linden St.
 Richland, PA 17087
 717-866-6581
 717-866-7237 (fax)
 www.rigidply.com
 Rigidply Rafters has improved the quality of post-frame buildings by manufacturing and distributing the original 100 percent glue-laminated post. By specifying Rigidply Posts, you guarantee the labor saving and quality advantages of true glulam posts. Not only are glulam posts lighter, straighter and stronger than solid sawn



**REPRINT
 YOUR ARTICLE
 OR PROJECT**

- Brochures, mailers, show promo
- Show you are nationally recognized
- Build prestige in your brand

FOR REPRINTS, BROCHURES OR CATALOG PRINTING OPTIONS, CALL OR EMAIL:

Gary Reichert
 gary.reichert@fwcommunity.com
 715-350-7080

Tyler Jenson
 tyler.jenson@fwcommunity.com
 715-318-4505

1.6 million metal roofs and counting
Always choose the original.
Always choose the best.

S-5!® V Clamp	ColorGard®	X-Gard™

American made S-5 products are the industry standard in metal roof mounting hardware. That's why the biggest names in business rely on our snow retention solutions. They know that it's only secure, if it's S-5! secure.

Learn more at www.s-5.com or call 888-825-3432.



Looking for more information from companies featured in this issue?

Use the Reader Service card facing this page to get **FREE** information from our advertisers!

Free online info at www.bit.ly/info-rbfn

ADVERTISERS

RS #	Company	Page #
334	A J Manufacturing, Inc.	33,67
291	AB Martin	40
478	Advanced Architectural	26
459	Akzonobel	5,67
	Ameripak, Inc.	67
338	Becker Specialty Corp.	2,67
	Best Products	67
	Bradbury Group, The	62,67
315	Champion Steel Buildings	47,67
	Clark Industries	62
356	Coverttech	21
	Direct Metals, Inc.	67
581	Dura Coat	68
316	Dynamic Fastener	7
498	East Coast Fasteners	35
	Energy Panel Structures	67
407	Everlast Roofing, Inc.	19,67
	Extrutech Plastics	62,67
393	Fabral	8,9
359	Fasco America	47
384	Filc USA, LLC	20
	Garwood Manufacturing Company	67
297	Glick Metals, LLC	40
536	Hershey's Metal Meister	11
380	Ideal Building Fasteners	57
	Janus International Corp.	66
	Lakeside Construction Fasteners	67
341	Leland Industries	37,67
392	Levi's Building Components	24
	Marion Manufacturing	62,66
306	Maze Nails Company	15,67
	MD Barnmaster	62
584	Metal Rollforming Systems	57
331	Metalcon	25
412	MFM Building Products Corp.	28
308	MWI Components	13,66
378	National Frame Building Assn.	27,51
463	Nationwide Protective Coating Mfrs., Inc.	39
	Novagard Solutions	66
	Paint Valley Parts LTD	62,67

RS #	Company	Page #
	Perma-Column, Inc.	67
313	Plyco Corporation	17,66
	Post Protector, Inc.	67
	Power Lift Hydraulic Doors	62
	PPG Industries	67
	Replications Unlimited	62
	Richland Laminated Columns	66
382	Rigidply Rafters	41
442	Roll Former Corporation	52
450	S-5!	49
414	Schweiss Doors	55,62
429	Sealtite Building Fasteners	43,67
	Semmler Systems, Inc.	62
482	Sno Gem, Inc.	55
375	Starwood Rafters, Inc.	26
557	Stiletto Tools	61
345	Sukup Manufacturing	23
	Thermal Building Concepts	67
425	Triangle Fastener Corp.	29
301	VP Buildings, Inc.	30
374	Western Products of Indiana	45
511	Wick Buildings	53

STORY RESOURCES

RS #	Company	Page #
SUPPLIER NEWS		
100	UNION CORRUGATING	6
101	Fabral	8
102	MFM BUILDING PRODUCTS	8

NEW PRODUCTS

105	Thermacell	57
106	SawZall	66

PRODUCT PROFILE - VENTILATION

111	Ag-Co	63
112	CannonBall:HNP	63
113	Levi's Building Components	63
114	DCI Products	63
115	MWI Components	64
116	Sealtite Building Fasteners	64
117	Plyco Corporation	64
118	Marco Industries	64



KNOW A CREW FOREMAN WHO DESERVES RECOGNITION?

NFBA members can nominate their most loyal and hard-working project leaders for the **Crew Foreman of the Month award**, which includes a cash prize and a *Frame Building News* article featuring the winner.

All monthly winners are automatically nominated for the prestigious Crew Foreman of the Year award, which is presented at the annual Frame Building Expo Awards Luncheon and comes with an even larger cash prize!

Learn more at nfba.org/awards

The Crew Foreman of the Month and Crew Foreman of the Year awards are sponsored by American Building Components.



posts, but they minimize cracking and splitting. When planning your next building project, count on Rigidply Rafters to supply integrity, quality and service with your glulam posts.

Rockwell Automation Inc.

1201 S. Second St.
Milwaukee, WI 53204-2496
414-382-2000
800-223-5354
414-382-4444 (fax)
webmaster@rockwellautomation.com
www.rockwellautomation.com



Roll Former Corporation

140 Independence Ln.
Chalfont, PA 18914
215-997-2511
215-997-5544 (fax)
jdumke@rollformercorp.com
www.rollformercorp.com
Roll Former Corporation offers

the most productive and cost effective roll forming equipment for the metal roofing and architectural sheet metal industries. Since 1978 we have been leading the industry with our innovation and service.

ROOFCLAMP.com

RoofClamp

701 Park St Ste F
Castle Rock, CO 80109
800-771-9724
303-773-1875 (fax)
jason@snobar.com
www.roofclamp.com
Secure satellite dishes or roof walks, conduit or HVAC lines. Attach solar panels, signs or awnings. The patented aluminum RoofClamp utilizes stainless steel oval tipped screws that do not pierce or penetrate the panel; therefore, it will not void the manufacturer's warranty. Two models fit virtually all panels.



Rosko Fasteners & Supply

406 Bell Ct.
Woodstock, GA 30188
770-926-6654
770-926-5653 (fax)
info@roskofasteners.com
www.roskofasteners.com
Rosko Fasteners announces that its Woody™ and Super Woody™ fasteners not only have the sharpest points in the industry but now comes standard with CR 750 Long-Life Coating at no extra charge. Rosko is now prescribing its new self-drilling fastener, the RX Driller™, to solve all of your self-driller problems. The RX Driller not only drills consistently screw after screw, but it is also exceptionally fast. Now you can get fasteners in job pack or special packaging per your requirements. To compliment its fasteners, Rosko also carries pipe boots, caulk, rivets, closure strip and any other products you may need to complete your project. Whether it is a post or steel frame application, Rosko has the fastener for the job. Visit the new website and remember Rosko Fasteners for construction.



Rural Builder

700 E. State St.
Iola, WI 54990
800-726-9966
715-445-4087 (fax)
www.constructionmagnet.com
Rural Builder provides the news, features, products and how-to's geared towards builders and suppliers of primarily low-rise agricultural and small retail and municipal structures. Published eight times annually, Rural Builder serves a horizontal market targeting all types of low-rise construction in cities of 250,000 or less population. For editorial questions contact Sharon. Thatcher@fwcommunity.com. For advertising opportunities contact Gary.Reichert@fwcommunity.com or Tyler.Jenson@fwcommunity.com.

ROLL FORMER CORPORATION
140 Independence Lane • Chalfont, PA 18914

**We are now offering a
Universal Hemming Machine UH – 36**

Use this "Multi Option" piece of machinery in conjunction with your Brake or Folder to save you time and money on all of your Trim Product needs.

**Dual Sided
1/2" Hems /
8" to 36" Coil Width**

Pick and Choose your Options

- Single & Dual Sided Hemming
- Flat or "Tear Drop" Hems — **Base Machine** – 1/2" Hem
- "Hem & Kick" - **Base Machine** — 5/8" kickout with 1/2" hem
- "PIPE LOCK" Hems (Double Sided)
- Slitting Knife (1) for increased production
- Perforation Dies (2) Sets maximum
- Small Stiffening Ribs (2) • "Valley Crease" Rolls

Call today at 215-997-2511 • Fax: 215-997-5544
www.rollformercorp.com
Circle Reader Service #442



RUSTGO Mobile Work Platforms

423 Valley Lake Dr.
Birmingham, AL 35206
800-448-4077
205-838-8441 (fax)
wiliamking@rustgousa.com
www.rustgousa.com
We are the National Representative for RUSTGO All-Terrain Mobile Work Platforms. Our representation of the Rustgo Product line has been for more than 28 years. We are Rustgo Product Specialists in Rustgo Unit sales as well as Rustgo Parts Sales.



Royal Crowne Outdoor Accents

280 Commerce Dr.
New Holland, PA 17557
717-355-2254
717-355-9754 (fax)
info@royalcrowne.net
www.royalcrowne.com
Royal Crowne Cupolas are manufactured by Ridge Craft, featuring one of the most extensive lines of cupolas in the industry, including a line specific for the post-frame industry. These cupolas range in size from 24 to 72 inches, square or octagonal configuration and available with louvers or windows. These cupolas can be made to match most metal colors. Ridge Craft also has a large selection of vinyl, cedar and copper cupolas.



S-5!

8655 Table Butte Rd.
Colorado Springs, CO 80908
719-495-0518
888-825-3432
719-465-0045 (fax)
info@s-5.com
www.s-5.com
S-5! has the most complete

line and only independent tested snow retention systems in the market place. S-5 ColorGard sets the industry standard for snow retention systems. It offers unrivaled strength and is the only system to provide an exact color match for the life of the roof. Worldwide, ColorGard is trusted by engineers for its critical holding strength, by architects for its sleek design aesthetics and by roofers for its patented zero-penetration technology. S-5 X-Gard is the strongest one- or two-pipe system available, while SnoFence and SnoRail are architect favorites. VersaGard is a versatility pipe system for exposed fastener roofs. S-5! ancillary attachment solutions, including VersaBracket and CorruBracket product lines, fasten easily and securely to almost any metal roof profile, including exposed-fastened and corrugated. S-5!'s innovative technologies also include the money-saving S-5-PV Kit that provides a DirectAttach solution fitting most metal roofs and solar modules. The S-5-PV Kit is ETL/UL listed for module-to-module conductivity, often saving enough in labor and grounding-wire costs to pay for itself.



Safe-Way Garage Doors LLC

3814 E. US 30
Warsaw, IN 46580
574-267-4861
574-267-2871 (fax)
bthompson@safewaydoor.com
www.safewaydoor.com

Safe-Way Door is a leading manufacturer of quality residential, commercial and industrial overhead garage doors in steel, wood and aluminum. Headquartered in Warsaw, Indiana, Safe-Way Door also operates facilities in Tennessee and Missouri with distribution throughout North America and Canada. Doors are available in multiple configurations including polyurethane and polystyrene insulated, un-insulated and up to nine colors in steel, and multiple powder coat colors in aluminum. Commercial door sizes are available in all of the panel designs. Safe-Way also sells residential and commercial openings and other door related accessories.



Schweiss Doors

PO Box 220
Fairfax, MN 55332
507-426-8273
507-426-7408 (fax)
schweiss@schweissdoors.com
www.schweissdoors.com

Schweiss One-Piece hydraulic doors set the standard for hydraulic doors on the market. Fast moving hydraulic doors have the Pow-

erful Red Power pump, bigger cylinders and are easy to install. Schweiss bifold doors with fast moving lift-straps are another high quality, reliable Schweiss door. Schweiss manufactures the best doors on the market and has for the last 35 years.



Sealtite Building Fasteners

6357 Reynolds Rd.
Tyler, TX 75708
800-352-4864
800-352-3940 (fax)
dquehl@sealtite.com
www.sealtite.com

Sealtite manufactures steel-frame and post-frame screws for agricultural, commercial, industrial and residential metal roof applications. Products' strengths are drill quality and corrosion resistance. Sealtite offers solid foam closure strips, vented foam closure strips, pipe flashings and other accessories. Powder coating is now available in 35 colors.



Semmler Systems

330 Westberry Ct. W
Rapid City, SD 57702
605-787-4765
605-787-4834 (fax)
jimsemmler1@msn.com
www.semmlerinc.com

SFS intec

PO Box 6326
Wyomissing, PA 19610
610-376-5751
610-376-8551 (fax)
us.construction@sfsintec.biz
www.sfsintecusa.com

SFS is a manufacturer of fasteners for metal panel attachments. Its #12 Woodgrip XG, with a large aggressive thread design, provides superior performance in OSB and plywood. Other fasteners include #9 Woodgrips, #10 HiLo MP, EverGrip® bi-metal screws, and WoodZAC and WoodMAC SS capped fasteners. Accessories available include sealants, ProfileVent® ridge ventilation, pipe flashing and foam closure.



Build with Confidence

Wick Buildings has been helping Midwest farmers, families and businesses by providing long-lasting, low-maintenance buildings since 1954, that's over 60 years!

Buildings with quality and value...and no compromises. Join our team!

800-356-9682
WickBuildings.com




Agriculture ■ Suburban ■ Equestrian ■ Commercial

Circle Reader Service #511

Siemens Building Technologies

1000 Deerfield Pkwy.
Buffalo Grove, IL 60089-4513
847-215-1000
bgcustomersupport.us.sbt@
siemens.com
www.usa.siemens.com/build-
ingtechnologies

Siemens Energy Inc.

4400 Alafaya Trail
Orlando, FL 32826-2399
407-736-2000
support.energy@siemens.com
www.usa.siemens.com/energy

Siemens Process Industries & Drives

3333 Old Milton Pkwy.
Alpharetta, GA 30005-4437
770-751-2000
800-241-4453
678-297-8316 (fax)
helpline.sii@siemens.com
www.usa.siemens.com/industry



Silvercraft

11520 CR18
Middlebury, IN 46540
574-825-8757
574-825-0009 (fax)
silvercraft@ibyfax.com
Silvercraft is the home of pre-assembled aluminum equestrian doors. Seamless high-end doors are available for any equine facility or hobby building. Silvercraft also manufactures heavier-grade walk doors, cooler doors and other agricultural building products.



Sno Gem, Inc.

4800 Metalmaster Way
McHenry, IL 60050
888-SNO-GEMS
815-455-4367 (fax)
info@snogem.com
www.snogem.com
Sno Gem Inc. is an internationally respected provider of innovative, high quality snow retention systems and roof accessory products. Made from aircraft-grade aluminum, the clamps can be used to attach virtually anything, from signs to solar panels, to metal roof surfaces without penetrating

the metal. Contact a Sno Gem representative today!



SNOBAR

701 Park St.
Castle Rock, CO 80109
303-773-9724 (in Colorado)
800-711-9724
303-773-1875 (fax)
jason@snobar.com
www.snobar.com
The SNOBAR snow retention system consists of a stainless steel clamp and a continuous 1-inch stainless steel or galvanized bar. The clamp, which clamps directly to the standing seam, eliminates the need for roof penetration or adhesives. The Snobar system is offered either in mill-finished stainless or can be factory painted to match the metal roof panel. For a quicker painted-to-match system, we offer our ColorBar System.



SnoBlox-SnoJax

671 Willow St.
Lemoyne, PA 17043
800-766-5291
717-697-2452 (fax)
sales@snoblox.com
www.snoblox.com
Polycarbonate snow guards feature large, forward-mounted faces that help prevent the dangerous movement of snow and ice on metal roofs. Products are field proven and professionally lab tested. Offered is the choice of adhesive or mechanical attachment, and there are six models to fit most panels and budgets.

Source Book, The

700 E State St.
Iola, WI 54990
715-445-4612
715-445-4087 (fax)
www.constructionmagnet.com
Cutting edge ideas and inspiration for rural builders. For editorial questions contact Sharon.

Thatcher@fwcommunity.com.
For advertising opportunities contact Gary.Reichert@fwcommunity.com.

SpoutOff, The

280 Kerrwood Dr.
Wayne, PA 19087
866-289-1442
610-688-7394 (fax)
kevin@thespoutoff.com
www.thespoutoff.com

Spray Polyurethane Foam Alliance (SPFA)

3927 Old Lee Hwy., #101B
Fairfax, VA 22030
800-523-6154
703-222-5816 (fax)
www.sprayfoam.org

Standing Seam Roof Anchor

7436 Evesborough Ln.
Trinity, FL 34655
863-703-4522
sales@fallpd.com
www.standingseamroofanchor.com

Star Building Systems

8600 South I-35 Service Rd.
Oklahoma City, OK 73149
800-879-7827
405-604-2052 (fax)
star.marketing@starbuildings.net
www.starbuildings.com



Starwood Rafters Inc.

W24141 Starwood Ln.
Independence, WI 54747
888-525-5878
715-985-5222 (fax)
lamply@trivest.net
www.starwoodrafters.com
Starwood Rafters' laminated wood products include Lam-Ply Truss, the company's most popular product. It combines plywood with glulams and dimensional lumber for stronger trusses that can be spaced farther apart. It can be used in many applications.



Steel Dynamics Inc.

4500 Co. Rd. 59
Butler, IN 46721
800-799-8942

260-868-8202 (fax)
tommy.scruggs@
steeldynamics.com
www.stld.com

Steel Dynamics is a leader in the production of high-quality, low-cost, pre-painted steel for the metal construction industry. Its wide width, light-gauge, pre-painted flat-rolled steel is perfectly suited for roof, wall and fascia systems used in the construction of metal structures. Also, SDI's state-of-the-art pre-paint lines run parallel to its galvanized and Galvalume lines, reducing transportation costs and shortening the supply cycle...and that saves time, reduces inventory and increases working capital.

Stiletto Tools

13135 West Lisbon Rd.
Brookfield, WI 53005
800-987-1849
info@stiletto.com
www.stiletto.com



Stockade Buildings

1543 State Hwy. 91
Oran, MO 63771
800-548-6765
573-262-3163 (fax)
systems@stockadebuildingsinc.com
www.stockadebuildingsinc.com



Sukup Manufacturing Co.

1555 255th St., Box 677
Sheffield, IA 50475-0677
641-892-4222
641-892-4629 (fax)
info@sukup.com
www.sukup.com
Sukup Manufacturing Co.'s pre-engineered steel buildings feature clear span construction and standing seam or screw-down roofs. The clear span design allows for flexibility in customizing interior space to meet customer needs. Purlins and girts are galvanized for long life and pre-punched to ensure proper fit and faster installation. A variety of sidewall and trim colors and options are available.



Swenson Shear

4257 E Keyes Rd.
Ceres, CA 95307
209-632-9928
209-667-8427 (fax)
sales@swensonshear.com
www.swensonshear.com
The Snaptable was conceived with the notion of perfecting the installation of concealed fastener roofing panels. For more than a decade it has created craftsman-style installation in more than a dozen countries and three continents. With the addition of the Snap Table PRO in 2015, Swenson Shear has removed limitations from panel preparations. The Snap Table HD collection will notch, slit and hem concealed fastener panels for a metal artisan's touch on any project.



Tape Products Company

11630 Deerfield Rd.
Cincinnati, OH 45242
513-489-8840
513-489-4616 (fax)
customerservice@tapeproducts.com
www.tapeproducts.com
Servicing customers since 1967 with pressure sensitive tapes (including duct, stucco, sheathing and seaming tapes), reflective insulation and barrier films for post frame, metal building and construction. Also available are stretch wrap and equipment for heavy duty applications, including horizontal wrappers for long, heavy loads. Distribution centers are located in Cincinnati, Dallas, Orlando and Chicago.

Topps Products, Inc.

P.O. Box 515
Stilwell, KS 66085-0515
913-685-2500
913-851-9700 (fax)
support@toppsproducts.com
www.toppsproducts.com



Trac-Rite

314 Wilburn Rd.
Sun Prairie, WI 53590
800-448-8979
608-825-6745 (fax)
tr@tracrite.com
www.tracrite.com
Trac-Rite Door manufactures quality steel roll-up doors for a multitude of uses, including self-storage, residential, agricultural and commercial. Trac-Rite is dedicated to providing customized, worry-free, low maintenance products that are delivered with uncompromising service.



Trachte Building Systems

314 Wilburn Rd.
Sun Prairie, WI 53590
800-356-5824
608-837-0251 (fax)
tbs@trachte.com
www.trachte.com
Trachte designs, manufactures and erects a full line of durable, pre-engineered and customized steel self-storage systems. This line includes single story, multi-story, interior partition, corridor and boat/RV storage systems. Trachte is committed to helping owners make informed decisions with its knowledgeable sales team, who offer advice every step of the way. This commitment, along with more than 115 years of manufacturing experience, has given the company a leading edge in the self-storage industry.

New 800-746-8273

DOORS

- AG DOORS
- SHOP DOORS
- BARN DOORS
- AVIATION

HYDRAULIC
"One-Piece" DOOR
OR
BIFOLD
STRAP LIFT
and auto latch

One-Piece
...Lift Straps

The Door Leader **SCHWEISSDOORS.com**

Circle Reader Service #414

IN THE MARKET FOR SNOW RETENTION?
WE'VE GOT YOU COVERED

POLYCARBONATES

MEC DECK MOUNT

iCLAD

SNO GEM
Raising the Bar in Snow Retention

888-SNO-GEMS
SNOGEM.COM

Circle Reader Service #482



Tri-State Lumber Co., Inc.

PO Box 39
 Fulton, MS 38843
 662-862-2125
 662-862-4900 (fax)
 dhoman@tristatelumber.net
 www.homanindustries.com
 Tri-State manufactures southern yellow timbers at its Fulton, Mississippi sawmill (from 4x4s to 10x10s). We have dry kilns and a planer as well as re-saw and re-man capabilities. Tri-State Lumber can also center-match 2-x's, as well as 3-x's, and has a state-of-the-art treating plant where we treat CCA as well as dispersed copper azole. We can also do larger timbers and specialty timbers on a by-order basis.



Triangle Fastener Corporation

1925 Preble Ave.
 Pittsburgh, PA 15233
 412-321-5000
 412-321-7838 (fax)
 sales@trianglefastener.com
 www.trianglefastener.com



Tru-Seam Metal Solutions

715 E. Kempes Rd.
 Loveland, OH 45140
 513-697-0210
 513-697-0214 (fax)
 tim.macveigh@tru-seam.com
 www.tru-seam.com
 Tru-Seam Metal Solutions is a premium manufacturer of gutter and downspouts that match your metal roofing and siding exactly. Tru-Seam offers gutter solutions in K-Style and Half Round (5", 6", 7" K-S and 6" H.R.) with rectangular downspouts and elbows (2"x3" and 3"x4") in aluminum and steel (Perfect Match).



Valspar

701 S Shiloh Rd., Ste. 230
 Garland, TX 75042
 972-485-7173
 coilhelp@valspar.com
 www.valsparcoilextrusion.com
 For over 200 years, Valspar has been a leader in the art and science of coatings that excel in both beauty and function. Our expansive range of superior quality coatings comes to life through a full palette of colors and textures to meet the most demanding environmental conditions and designs.



Varco Pruden Buildings

3200 Players Club Cir.
 Memphis, TN 38125
 901-748-8000
 901-748-9323 (fax)
 sales@vp.com
 www.vp.com

VersaTube Building Systems

50 Eastley St.
 Collierville, TN 38017
 800-900-7222
 901-854-6878 (fax)
 sales@versatube.com
 www.VersaTube.com



Walters Buildings

PO Box 388
 Allenton, WI 53002
 800-558-7800
 sales@waltersbuildings.com
 www.waltersbuildings.com



Wayne Dalton, A Division of Overhead Door Corporation

2501 S. State Hwy. 121 Bus., Ste. 200
 Lewisville, TX 75067
 864-386-0527
 janeskievich@wayne-Dalton.com
 www.wayne-dalton.com
 As a leading brand in the garage door industry since 1954, Wayne Dalton is committed to offering a wide variety of distinctive designs to complement any elevation. With more than 16 residential door collection and a multitude of color, glass and decorative hardware options, Wayne Dalton is able to suit the personal taste and architectural style of virtually every customer.



Web Steel Buildings Northwest LLC

37396 Ruben Ln.
 Sandy, OR 97055
 503-668-7211
 503-668-9026 (fax)

info@wsbnw.com
 www.wsbnw.com
 Strategically positioned to serve all western states, including Alaska and Hawaii, Web Steel Buildings Northwest is a regional pre-engineered metal building manufacturer committed to delivering a quality product to each and every customer. WSBNW offers packages from truss-only to complete building kits.



Western Products of Indiana

387 W. State Rte. 38
 New Castle, IN 47362
 800-553-5142
 765-529-2880 (fax)
 barb@westernproductsinc.com
 www.westernproductsinc.com
 With Western's extensive line of sliding door track, accessories, sliding door frames, equestrian products, walk doors, windows, polycarbonate skylights, foil insulation and much more, you're sure to find your product needs. Established in 1929, our reputation for quality, service, pricing and industry knowledge will help you build the future.



Wick Buildings, Inc.

405 Walter Rd.
 Mazomanie, WI 53560
 608-792-2294
 608-795-2534 (fax)
 buildings@wickbuildings.com
 wickbuildings.com



WindBar

701 Park St. Ste F
 Castle Rock, CO 80104
 800-711-9724
 303-773-1875 (fax)
 jason@sno-bar.com
 www.windbar.com
 Patented system designed to keep metal roof panels from uplifting, with no roof penetrations. Helps standing-seam roofs meet IBC codes and helps with noise issues on metal roofs.

Wrisco Industries, Inc.

355 Hiatt Dr. Ste. B
 Palm Beach Gardens, FL 33418
 800-627-2646
 561-627-3574 (fax)
 sales.staff@wrisco.com
 www.wrisco.com



APP-CONTROLLED HEATED INSOLES FOR TOASTY TOES

One of the coolest new gadgets for folks who endure the elements for their livelihood are the ThermoCELL Bluetooth Heated Insoles and Heat Packs. Simply control the flow of heat to your feet with your phone. This is the first product of this type to have its own app, eliminating the need for a separate remote.

The free app is available for quick download for either iPhone or Android.

ThermoCELL Heated Insoles are available in three types: ThermoCELL Heated Insoles, Original ProFLEX and ProFLEX Heavy Duty.

The new Heavy Duty model provides up to 8.5 hours of warmth for your toes and has four settings and a removable battery.

For more information circle 105.



DEMAND THE BEST!

IDEAL'S DUAL-GRIP SLT
"THE PROVEN PERFORMER"



Competition is tough today. You need field proven fasteners that out-perform the competition. That's why discerning builders demand the best - the Dual-Grip SLT from Ideal.

- Lightning quick installation.
- Exclusive X-Tend coating for superior corrosion resistance.
- Color-Rite paint for an exact match every time.
- Also available Stainless Dual Grips for ACQ lumber.

IDEAL
BUILDING FASTENERS

920 Second Avenue
Coraopolis, PA 15108
(412) 299-6199 • (800) 670-5767
FAX (412) 299-6499
www.idealbuildingfasteners.com

Circle Reader Service #380



The Affordable Rollforming Equipment Manufacturer

Metal Rollforming Systems designs and manufactures reliable and affordable rollforming equipment and accessories, making us a leader in rollforming equipment manufacturing. Our unsurpassed technical support is unlike any other in the industry, we work until the job is done. Our customer's success is our success. For more information, please contact us at 1.888.284.6794 or visit us online.

- Single & Double Deck Rollformers
- Trim Rollformers
- *NEW* Patriot Rollforming Line
- Coil Reels
- Precision Cut Slitting Lines
- Sheet Stackers
- Coil Upenders
- Ridge-Cap Press



1.888.284.6794 www.mrsrollform.com

Circle Reader Service #584

Correcting business “boo-boo’s”

Mistakes are inevitable, just be prepared with the right fix

EVERY RURAL BUILDING BUSINESS faces an ever-increasing amount of red tape, rules, regulations, fees and taxes that they must contend with. At the same time enforcement on every level is becoming more aggressive, more issue-focused—with even more, costly results.

It doesn't take an experienced business owner to know that mistakes are inevitable. Fortunately, a combination of unique tax write-offs and strategies can help any builder or contractor avoid potential pitfalls and make many of the changes necessary to grow the operation's profitability.

TAXING TAXES

Correcting or amending a tax return because of errors, omissions, mistakes, overlooked deductions or changes in our tax laws is actually encouraged by the IRS. Although it should come as no surprise that few taxpayers amend their returns to report additional income, some changes can mean substantial tax savings.

Generally, a building business—or its owner—can change their mind about previously reported income and deductions within three years from the time the return was filed, or within two years from the time the tax was fully paid, whichever is later. If the refund claim involves the deductibility of bad debts or worthless securities, the period is seven years.

Individuals, sole proprietors, etc., use Form 1040X, Amended Individual Tax Return. A corporation that filed Form 1120 uses Form 1120X, Amended U.S. Corporation Income Tax Return, to file an amended return, while S corporations and partnerships check a box on the Form 1120S or Form 1065.

A CHANGING OF THE MIND

Uncle Sam, in the form of the Internal Revenue Service demands each builder or contractor, and every business that is required to pay taxes, guess their income for the coming year—and pay an estimated tax bill by making installment payments over the course of the year. Unfortunately, after the tax bill for the year has been estimated and payments computed, changes in income, adjustments, deductions, credits, or exemptions may make it necessary to refigure the estimated tax installment.

Should an incorporated building business figure and deposit its estimated tax, only to find that its

tax liability for the year will be more or less than originally estimated, refiguring any remaining estimated payments will be necessary, especially if an overpayment might result. Of course, an immediate catchup payment should be made to reduce any penalty that might result from underpaying either earlier or remaining installments.

ACCOUNTING METHODS

There is no right accounting method for all businesses. Both cash accounting and accrual accounting have their pros and cons. The basic difference between cash and accrual methods of accounting lies in the timing of revenues and expenses.

The cash basis method of accounting recognizes revenues when money comes into the building business and recognizes expenses when money is paid out. Cash basis doesn't recognize accounts receivable or payable. Only when a bill is paid does an operation using the cash method of accounting recognize an expense.

Unfortunately, once an accounting method has been selected, the approval of the IRS is required before changing that method—even where the change is demanded by the IRS. Also remember, a building operation's accounting method includes not only the overall method of accounting used, but also the accounting treatment used for all transactions, income and expenses.

The IRS's Form 3115, Application for Change in Accounting Method, is used to request a change in either an overall accounting method or the accounting treatment of any item. There are some instances when an incorporated building business can obtain automatic consent from the IRS to change to certain accounting methods but professional assistance may be required.

In other instances, you can file Form 3115 using the advance consent request procedures. If the requested change is approved, the building business will receive a letter ruling on the requested change at which time a fee may be required.

CHANGING BUSINESS ENTITIES

Changing circumstances, changes in the tax laws, and even the success of the business that might prompt a reassessment of the form your building business operates under. It makes sense to ensure you are using the best entity to provide your business—and yourself—with the most benefits and consistently lowest tax bill.



Mark Battersby has more than 35 years experience in small business issues, tax and financial matters. Contact him at 610-789-2480 or MCBatt12@Earthlink.net.

it's okay

Correcting or amending a tax return because of errors, omissions, mistakes, overlooked deductions or changes in our tax laws is actually encouraged by the IRS.

Although many of the tax law's provisions apply to all business entities, some areas of the law specifically target each entity. Choosing among the various entities can result in significant differences in federal income tax treatment, but there is also more to choosing the right structure for a building business than taxes.

Not only will the decision to change the business' entity have an impact on how much is paid in taxes, it will also affect the amount of paperwork required for the business, the personal liability faced by the principals and, especially important in today's economy, the operation's ability to raise money.

LEASE/BUY

The lease accounting rules as we currently know them are changing. Negotiations between the International Accounting Standards Board (IASB), which sets rules for many countries around the globe, and by the U.S. Financial Accounting Standards Board (FASB), which writes the rules in the U.S., has come up with mutually-acceptable accounting standards. The new guidelines will require many businesses to add all but the shortest leases to their balance sheets as liabilities, much like debt.

Although the new guidelines will not officially kick-in for a couple of years, imagine the impact on the building business when a supplier, lender or even a potential buyer expects to see leases reflected on the operation's financial statements. The many businesses that currently have borrowing limits and/or restrictions placed on them by lenders and investors could, once leases must be included on the building operation's balance sheet, be in violation of those agreements.

Fortunately, there will be a considerable delay before the new rules become effective. This will give builders, contractors and their businesses time to comply and, in some cases, to renegotiate loan agreements.

FINDING A NEW PRO

Making many of these and other changes may require the services of a professional, perhaps even one more

experienced than the building business's current advisers. As the business grows, the need for professional advice, assistance and guidance may become more acute, requiring the services of better-skilled professionals.

Fortunately, there are a variety of skilled professionals just waiting to serve you and your building business. The first step to finding the right professional requires an inventory of what you—and your building business—actually need in the way of services and advice and, most importantly, how much you can afford to pay for that advice or services.

Shopping for any professional is virtu-

ally a necessity in today's business economy and many professionals offer free first meetings for discussion of expectations, services needed and provided, extent of involvement by the professional and the portion of the work you, the builder or contractor and your employees expect to shoulder, time constraints and, above all, costs.

It is not "tacky" to discuss fees before engaging the services of a professional although money should not be the sole criteria for selecting that professional. Obviously, finding a professional at an affordable price is a process that should begin immediately. **RB**

Check us out online:
www.ruralbuilder.com

Rural Builder Buyers' Guide | Archived Stories
Back issues of magazines | Subscribe to Builder Express bi-weekly newsletter



EMAIL YOUR INFORMATION TO OUR READERS

- **REACH:** Rural Builder, Frame Building News and Metal Roofing Readers
- **TIMING:** Send when you want to coordinate with product releases, special events or trade shows
- **RESPONSE:** Prospects can click on the ad and respond to you immediately
- **ACCOUNTABILITY:** You get a report showing how many readers received, opened and clicked on your DEBs

CONTACT:

Gary Reichert
gary.reichert@fwcommunity.com – 715-350-7080

Tyler Jensen
tyler.jensen@fwcommunity.com – 715-318-4505



MENTION THIS AD & YOUR SECOND DEB IS HALF PRICE

post frame feature

BY RURAL BUILDER STAFF

A Chattanooga chapel retreat

CALVARY CHAPEL CHATTANOOGA IS A BUSY MINISTRY WITH FIVE REGULARLY-SCHEDULED SERVICES EACH WEEKEND. Its main campus is located near the base of Lookout Mountain.

Calvary Chapel needed an affordable new building to use as a retreat facility for its men's program and to house men while they worked on the farm. The 100 foot long building that met their needs features a center 30 foot width clear span, with a 22 foot eave height. 15 foot wide wings on each side slope from 17 feet down to 12, making a total enclosed area of 6,000 square feet. Along one sidewall is a 12 foot wide roof-only "shed" making the total footprint of the building 7,200 square feet.



All sides and ends have 18 inch pre-cut white vinyl ventilated soffits. A 30 foot by 60 foot second floor is accessed by 4-foot wide stairs. Reflective insulation is utilized between the roof purlins and steel roofing to prevent condensation. **RB**

Photos provided by Associate Pastor John Ramseur

THE DETAILS:

BUILDING SIZE: 72 x 100 feet

LOCATION: Dunlap, Tennessee

BUILDING SYSTEM

MANUFACTURER:

Hansen Pole Building LLC

WALL AND ROOF PANEL:

American Building Components
29 gauge Imperial Rib - Light Gray
roofing, Brite Red siding

INSULATION:

rFoil reflective insulation

VENTILATION:

Marco Ridge Vent

FASTENERS: Leland powder

coated diaphragm screws

DOORS: Two Plyco 4-foot wide

insulated commercial steel entry

doors; and four 10 x 10 foot

National all-metal sliding doors at

multiple access and egress points



The retreat includes housing for men who work on Farm 58, a bio-diverse working farm.




The retreat was built on 180-acres of rolling hills, pristine pasture and mixed woodland atop the Cumberland Plateau in Dunlap, Tennessee. There they raise Certified Naturally Grown vegetables, chickens, eggs and pork while investing in people who are overcoming the challenges of life.



WANTED

ALIVE, ON TIME AND ON TASK



Contractors and construction professionals cite locating skilled trades people as one of the major challenges to running their businesses. Readers of Rural Builder, Metal Roofing and Frame Building News use our publications to stay current in industry developments and best practices.

Reach the construction professionals who read our magazines to fill your vacant positions.

Gary Reichert – gary.reichert@fwcommunity.com – 715-350-7080
 Tyler Jenson – tyler.jenson@fwcommunity.com – 715-318-4505

STILETTO®

TITANIUM TOOLS

NEW!
STAINLESS STEEL
Nail Puller & Prybar

TiBone 15 milled/curved

12" Stainless ClawBar w/ Dimpler

15" Stainless Flatbar w/ staple puller

10X LESS RECOIL
HALF THE WEIGHT
MORE PRODUCTIVITY

www.stiletto.com (800) 987-1849

Circle Reader Service #557

WWW.RURALBUILDER.COM

classified ads

CALL 800-726-9966

160 DOORS & WINDOWS

Doors built for a lifetime.

- Every Door Built, Delivered and Installed by Local Professionals
- Lifetime Structure Warranty
- Safe, Strong & Weathertight
- Zero Maintenance
- No Lost Headroom
- New or Existing Buildings



POWERLIFT

HYDRAULIC DOORSTM

855-368-9595

www.powerliftdoors.com

One-Piece 800-746-8273

DOORS

- AG DOORS
- SHOP DOORS
- BARN DOORS
- AVIATION

Say YES... to Strap-Lift Doors
Say NO to Cable Lift

HYDRAULIC—OR—BIFOLD
One-Piece DOOR STRAP LIFT and auto latch

SCHWEISSDOORS.com

176 HORSE BARN & STALL BUILDER

MD BARNMASTER BUSINESS OPPORTUNITY

THE #1 PRE ENGINEERED BARN & BUILDING COMPANY, MD BARNMASTER, IS LOOKING FOR DEALERS IN SELECT STATES. MUST HAVE BUILDING KNOWLEDGE & HORSE SENSE. PLEASE CONTACT TERRY DEATON AT: TDEATON@MDBARNMASTER.COM OR 909-354-0585

400 ROLL FORMERS

Acu-Form
ROLL FORMING EQUIPMENT

Manufacturer of metal forming equipment, for commercial and residential construction use.

We use D2 tool steel as a standard.

Phone (330) 674-4003 Fax (330) 674-4035

250 MISCELLANEOUS

STONE WAINSCOT PANEL SYSTEM

Large, Lightweight, Durable

~96" w x 43" h

URESTONE phone: 314-524-2040

www.urestonepanels.com

Extrutech FORM™ System

Extrutech FORM™ System brings a bright new 6" thick by 24" inch wide face to stay-in-place concrete form construction by combining standard concrete form methods with the easy-to-clean, sanitary surface that Extrutech panels provide. Perfect for process area walls.

Suspended Ceiling Panels and Doors also Available

NEW PRODUCT

888-818-0118

www.epiplastics.com
email: info@epiplastics.com

Manufacturing American-Made PVC Panels for 22 Years!

EXTRUTECH PLASTICS, INC.

400 ROLL FORMERS

MARION MANUFACTURING

- Automation Systems
- Metal Construction Rollformers
- Coil Processing
- Forming & Fabrication
- Recondition Existing Machines

WE ADD THE VALUE TO METAL

1-888-865-8740 www.marionmanufacturing.com

400 ROLL FORMERS

BRADBURY
THE BRADBURY CO., INC.

We Build Machines... We Sell Solutions

Panel Lines	Ridge Cap Benders
Standing Seam Lines	Insulated Panel Lines
Control Retrofits	Portable Roll Formers
Trim Roll Formers	Hemming Roll Formers
Hydraulic Folders	Slit & Recoil Lines
Garage Door Lines	Purlin Lines

620.345.6394 www.bradburygroup.com

600 TOOLS/EQUIPMENT DISTRIBUTOR

Make Your Own Nail-Lam Column

BIG RED III
Total Fabricating System **Your One Stop Shop**

Ph: 605-787-4765
jimsemmler1@msn.com
www.semmlerinc.com

See In Motion
www.semmlerinc.com/vid.php

Clark Industries, Inc.
Since 1967 - Monett, Missouri

Considering equipment? Consider Clark.

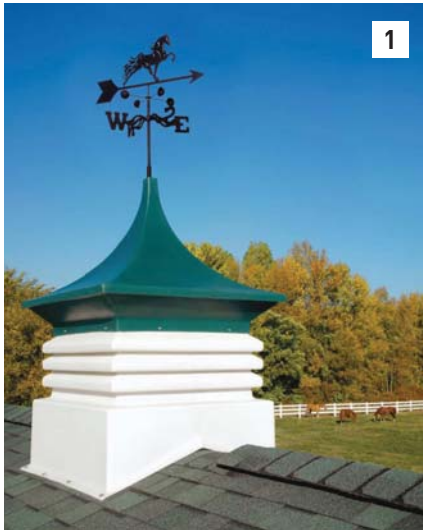
- Roof & Floor Truss Presses
- Multi-Head Truss Presses
- Modular Truss Presses
- Shuttle Presses
- Jack Presses
- H.D. Chord Splicers
- Post & Column Machines
- Floor Truss Machines
- Electric Horizontal Stackers
- Electric Peak-up Stackers
- Conveyor Systems
- Custom Machinery

Call us toll free at: 800.743.9727
or visit us on the web at: www.clark-ind.com

GET FREE PRODUCT INFO SEE CARD BETWEEN PAGES 50-51 TO LEARN HOW

Ventilation products

Good airflow for the life of your buildings



1

1. AG-CO INC. / CIRCLE 111

Uniquely designed and made of high density UV polyethylene, easily installed on metal or shingled roofs, Ag-Co cupolas are economical and their efficient design provides adequate ventilation while creating an attractive profile. Two-piece design is available in three sizes and 13 colors. Colors can be mixed and matched in any combination of roof and base color. Every cupola comes with a handcrafted solid steel weathervane and there are 15 designs to choose from.

2. CANNONBALL:HNP / CIRCLE 112

An elegant, traditional finishing touch on any post-frame construction, CannonBall's cupolas provide both style and building ventilation. CannonBall cupolas are built to last—assembling easily with a unique interlocking system and formed, stamped roof spline rounded for safety. Available in many colors, the 24-inch and 36-inch versions are shipped either assembled or knock-down; 48-inch versions ship assembled in crate, ready for installation.



3

3. LEVI'S BUILDING COMPONENTS / CIRCLE 113

Levi's Building Components offers simple solutions to prevent weather element damage for varying roof profiles with FastVent Plus and FloVent—two contractor-friendly metal roofing ridge vent closure systems. Both are easy to install with a pre-applied adhesive strip and are fire retardant and UV stable. Each fit many profiles: FloVent can be installed on the ridge cap and FastVent Plus on the eave. Increase the longevity of your metal roofing with an easy install of these two products. A new product offering from Levi's, FastVent Plus provides ventilation and uniform air flow and is uniquely engineered with breathable closure strips that eliminate any leakage into the ridge area by completely sealing against the panel profile. Quicklath is a quick and easy spacer material to use when installing a metal roof over existing shingles and Emseal is a foam sealant which expands to fill contours and gaps. Universal Closure is an economical option to seal and fill any space under ridge caps, trim and other openings between metal panels.

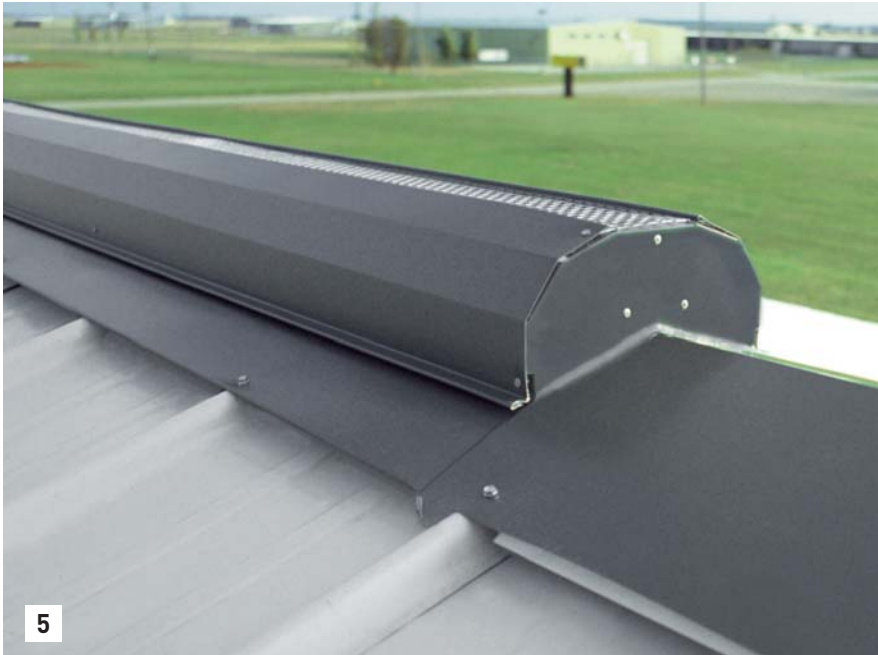


4. DCI PRODUCTS / CIRCLE 114

DCI Products FasciaVent is providing a breath of cool air to the roofing/ventilation industry. FasciaVent installed on asphalt or metal roofing allows cooler air to enter through the fascia, traveling under the entire roof decking structure and out the preferred exhaust vent. Like DCI's SmartVent, FasciaVent provides 9 NFA of continuous airflow. Easier to install, and more affordable than competitor products, FasciaVent is virtually invisible after installation and can be used with any roof pitch.

product profile

BY RURAL BUILDER STAFF



5. MWI COMPONENTS / CIRCLE 115

MWI is leading the industry in natural ventilation. Not only does MWI supply Uni-Vent II and Uni-Vent III to ventilate with a ridge cap, it also manufactures five profiles of Ridg-Vents to provide outstanding ventilation. Ridg-Vents exhaust air out of an attic or whole building. When used in conjunction with vented soffit, Ridg-Vents provide superior ventilation. Customers also have the option of choosing a fiberglass diverter on some models to allow natural light into a structure. With more than 100 colors to choose from, MWI can match most manufacturers' steel colors.

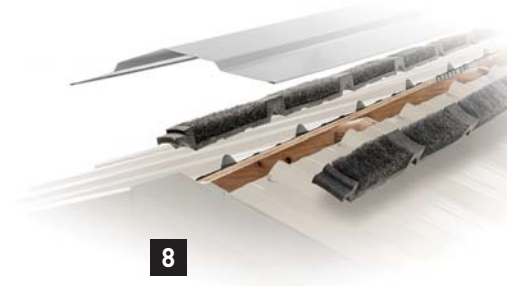
6. SEALTITE BUILDING FASTENERS / CIRCLE 116

Sealtite Building Fasteners supplies its MultiVent and MultiVent10 vented closures for those applications requiring air flow on metal roofs. Made from open cell foam, MultiVent allows as much as 98 percent free airflow through the material. However, it prevents wind driven rain from penetrating the material when compressed. The design is universal. MultiVent can be used on any panel profile with rib heights up to 1-1/4 inch. Adhesive is applied to the flat of the 3-foot foam strip for easy field installation. It can be

used on angled roof applications, eliminating the need for special cut angle closures. New in 2016, ST ContourVent, made from MultiVent open-cell foam, is available in panel profile configurations. The MultiVent 10' is a polyester material, 10 feet in length and can be pre-applied to the ridge cap before installation. Available in 1-inch and 1-1/2 inch widths, it also prevents wind-driven rain while allowing airflow through the material.

7. PLYCO CORPORATION / CIRCLE 117

Plyco manufactures a variety of ventilation products designed to meet most airflow requirements. The MWE-100 is a low profile unit, 10 feet in length. The MW100-25 has a higher profile than the MWE and is open at the top. The ventilator has an internal diverter to direct rain off to the side and out onto the roof. The free air space per lineal foot is 30 square inches and it is 10 feet long. The MW100-35 has the same design as the 25 series with increased free air space of 36 square inches per lineal foot. The ventilator rises four inches above the ridge and comes 10 feet in length. The FMW100-35 is of the same design as the 35 series but the diverter is made from translucent fiberglass. Having the translucent fiberglass



diverter allows light into the building ridge while keeping the rain out. Plyco also offers a line of wall vents, louvers and cupolas as part of its extensive ventilation line of products.

8. MARCO INDUSTRIES / CIRCLE 118

For products tailored to fit your specific ventilation performance requirements and budget, Marco offers a full line of ventilation products made from superior material that outlasts and outperforms competing polyurethane-material products. Shown here is LP2 Ridge-Vent, Marco's award-winning product consisting of Python vent material and polyester inserts for a snug fit and optimum ventilation.

DO NOT READ THIS.

DON'T EVEN LOOK UNLESS YOU'RE A RURAL BUILDING PRO!

We're only looking for professionals working in the rural construction industry because that's all we are about. Each issue of *Rural Builder & Frame Building News* magazine delivers news and information created expressly for the rural construction industry. Post-frame building isn't a topic that we "cover" a couple of times a year. It's our focus in every issue so if you're not building, repairing or replacing rural buildings there's no reason for you to subscribe.

If you are a rural construction professional, these magazines are a resource you can use to help build your business. Every issue will help you and your team stay abreast of the latest products and components for the work you're doing. You'll also read about the best practices leading contractors are using to improve their productivity and profitability. Plus, a lot more! The best part about these magazines is that they are all free if you're a rural building professional. **To subscribe, go to www.constructionmagnet.com/subscribe.**



Rural Builder

FRAME BUILDING NEWS

new products

BY RURAL BUILDER STAFF



A BETTER SAWZALL W/ONE KEY

Cutting faster than corded, the M18 Fuel SawZall with One-Key delivers over 40 percent more run time and five times longer tool life, making it the most powerful 18V cordless reciprocating saw on the market. Compatible with the One-Key app, users are able to customize the tool's performance for unrivaled productivity, as well as track and manage the tool through the app. Once the tool is set, a phone is no longer needed. Customize a variety of settings including speed for different materials, automatic cut brake engagement, and optimization for longer blade life.

For more information circle 106.

STATEMENT OF OWNERSHIP, MANAGEMENT AND CIRCULATION (required by Act of August 12, 1970: Section 3685, Title 39, United States Code). 1. RURAL BUILDER. 2. (ISSN: 0888-3025) 3. Filing date: 10/1/16. 4. Issue frequency: 8 issues annually. 5. Number of issues published annually: 8. 6. The annual subscription price is 29.98. 7. Complete mailing address of known office of publication: F+W Media, Inc., 700 E. State Street, Iowa, WI 54990-0001. 8. Complete mailing address of headquarters or general business office of publisher: F+W Media, Inc., 10151 Carver Rd., Suite #200, Blue Ash, OH 45242. 9. Full names and complete mailing addresses of publisher, editor, and managing editor. Publisher: Jamie Wilkinson, 700 E. State Street, Iowa, WI 54990-0001. Editor: Sharon Thatcher, 700 E. State Street, Iowa, WI 54990-0001. Managing Editor: N/A. 10. Owner: F+W Media, Inc.; Thomas F. X. Beusse, CEO, 1140 Broadway, 14th floor, New York, NY 10001. 11. Known bondholders, mortgages, and other security holders owning or holding 1 percent or more of total amount of bonds, mortgages or other securities: None. 12. Tax status: Has Not Changed During Preceding 12 Months. 13. Publisher title: RURAL BUILDER. 14. Issue date for circulation data below: SEPTEMBER 2016. 15. The extent and nature of circulation: A. Total number of copies printed (Net press run). Average number of copies each issue during preceding 12 months: 29,124. Actual number of copies of single issue published nearest to filing date: 29,154. B. Paid/requested circulation. 1. Mailed outside-county paid subscriptions/requested. Average number of copies each issue during the preceding 12 months: . Actual number of copies of single issue published nearest to filing date: 16,947. 2. Mailed in-county paid subscriptions/requested. Average number of copies each issue during the preceding 12 months: 0. Actual number of copies of single issue published nearest to filing date: 0. 3. Sales through dealers and carriers, street vendors and counter sales. Average number of copies each issue during the preceding 12 months: 0. Actual number of copies of single issue published nearest to filing date: 0. 4. Requested copies distribution through other classes mailed through the USPS. Average number of copies each issue during the preceding 12 months: 131. Actual number of copies of single issue published nearest to filing date: 139. C. Total paid/requested distribution. Average number of copies each issue during preceding 12 months: 17,070. Actual number of copies of single issue published nearest to filing date: 17,086. D. Non-requested distribution (by mail and outside mail). 1. Outside-County Non-requested copies. Average number of copies each issue during the preceding 12 months: 11,797. Number of copies of single issue published nearest to filing date: 11,751. 2. In-county non-requested copies. Average number of copies each issue during the preceding 12 months: 0. Number of copies of single issue published nearest to filing date: 0. 3. Non-requested copies mailed at other classes through the USPS. Average number of copies each issue during preceding 12 months: 0. Number of copies of single issue published nearest to filing date: 0. 4. Non-requested copies distributed outside the mail. Average number of copies each issue during preceding 12 months: 190. Number of copies of single issue published nearest to filing date: 250. E. Total Non-requested distribution. Average number of copies each issue during preceding 12 months: 11,989. Actual number of copies of single issue published nearest to filing date: 12,001. F. Total distribution (sum of 15c and 15e). Average number of copies each issue during preceding 12 months: 25,059. Actual number of copies of single issue published nearest to filing date: 29,087. G. Copies not Distributed. Average number of copies each issue during preceding 12 months: 66. Actual number of copies of single issue published nearest to filing date: 67. H. Total (sum of 15f and 15g). Average number of copies each issue during preceding 12 months: 29,124. Actual number of copies of single issue published nearest to filing date: 29,154. I. Percent paid. Average percent of copies paid/requested for the preceding 12 months: 58.7%. Actual percent of copies paid/requested for the preceding 12 months: 58.7%. 16. Electronic Copy Circulation: A. Paid Electronic Copies. Average number of copies each issue during preceding 12 months: 0. Actual number of copies of single issue published nearest to filing date: 0. B. Total Paid Print Copies (Line 15c) + Paid Electronic Copies (Line 16a). Average number of copies each issue during preceding 12 months: 0. Actual number of copies of single issue published nearest to filing date: 0. C. Total Print Distribution (Line 15f) + Paid Electronic Copies (Line 16a). Average number of copies each issue during preceding 12 months: 0. Actual number of copies of single issue published nearest to filing date: 0. D. Percent Paid (Both Print & Electronic Copies) (16b divided by 16c x 100). Average number of copies each issue during preceding 12 months: 0.0%. Actual number of copies of single issue published nearest to filing date: 0.0%. I certify that 50% of all distributed copies (electronic and print) are paid above nominal price: Yes. 17. Publication of statement of ownership for a Requester publication will be printed in the October 2016 issue of the publication. 18. Signature and title of editor, publisher, business manager, or owner: Jamie Wilkinson, Publisher. I certify that all information furnished on this form is true and complete. I understand that anyone who furnishes false or misleading information on this form or who omits material or information requested on the form may be subject to criminal sanction and civil actions.



NOVAGARD
Solutions.
Engineered Products... Innovative Thinking

Novagard Solutions
800.380.0138
www.novagard.com



MWI Components
800.360.6467
www.mwicomponents.com



Janus International Group, LLC
770.562.2850
www.janusintl.com



Richland Laminated Columns LLC
419.895.0036
www.permacolumneast.com



Marion Manufacturing
888.865.8740
www.marionmanufacturing.com



Plyco Corporation
800.558.5895
www.plyco.com

Come see us at the 50th Anniversary Frame Building Expo.

Nashville, TN • March 8-10, 2017



A J Manufacturing, Inc.
800.328.9448
www.ajdoor.com



Thermal Building Concepts
563.203.8056
www.insulation3ht.com



Extrutech Plastics
888.818.0118
www.EPlastics.com



The Brut Post Grabber
208.217.0597
www.thebrutpostgrabber.com



Direct Metals Inc.
855.800.8878
www.directmetalsinc.com



Garwood Manufacturing Company
800.300.9515
www.shear-x.com



Perma-Column Inc.
800.622.7190
www.permacolumn.com



Leland Industries
800.263.3393
www.LelandIndustries.com



ROLL FORMING TO PERFECTION
Paint Valley Parts, LTD
330.674.4003
pvp@paintvalleyequipment.com



The "Original" metal wrapping equipment
800.942.9194
sales@Ameripak.net
www.ameripak.net



PPG
800-258-6398
www.ppgideascapescapes.com



Post Protector
570.624.7030
www.postprotector.com



AkzoNobel Metal Coatings
800.294.3361
www.akzonobel.com/ccna



Lakeside Construction Fasteners
800.537.4160
www.lakeside-fasteners.com



Energy Panel Structures
800.967.2130
www.epsbuildings.com



Everlast Roofing, Inc.
888.339.0059
everlastroofing.com



Maze Nails
800.435.5949
mazenails.com



The Bradbury Group
620.345.6394
www.bradburygroup.com



Sealtite Building Fasteners
800.352.4864
www.sealtite.com



Best Products
800.798.5562
www.midwestpermacolumn.com
/bestproducts



Becker Specialty Corp.
847-766-3555
www.beckers-group.com

Specialty products require specialty coatings. Dura Coat Products has you covered.



Full Coverage

APPLIED SCIENCE

Every application has unique requirements. Dura Coat Products has 30 years of meeting special application requisites.

DURA COAT PRODUCTS, INC.

RIVERSIDE, CALIFORNIA
 (951) 341-6500

HUNTSVILLE, ALABAMA
 (256) 350-4300

www.duracoatproducts.com

VERSATILITY IS ONE OF METAL'S MANY ADVANTAGES. It can be used indoors and out, structurally or decoratively. Part of its versatility stems from the coating used to protect it.

How do you find the right metal coating? Ask Dura Coat Products, Inc., the company that just makes one thing — performance coatings for metal.

Roof and siding coatings require high durability and UV protection. For that we offer Durapon 70™, a premium PVDF, and Ceranamel™ XT-40S, a superior polyester. Both give long-term performance and resist chalking, fading and weathering for monumental, commercial and residential applications. Both comply with Energy Star, LEED 29 and Cool Roof standards.

Applications. Let us count the ways.

For applications that don't require premium coatings, Dura Coat has a variety of options. If your application is outdoor, for products like screen and door frames, trim, truck trailer, entry, garage door or HVAC, we have what you need. For indoor appliances, office furniture, closet hardware, T-bar or lighting, Dura Coat can cover that base too. Solutions include high, medium and low gloss finishes in polyester, acrylic, urethane and primer formulations.

Whatever your need, we have you covered. One call, one order, one responsibility. Make your life easier and your products better. Call 951-341-6500 or 256-350-4300 or visit www.duracoatproducts.com for all your metal coating needs.



Circle Reader Service #581



Metals Service Center Institute

