

GARAGE • SHED • CARPORT BUILDER

A Construction Magazine Network Brand
www.constructionmagnet.com

Winter 2020

2021 BUYERS' GUIDE

PRODUCT PROFILES: BUILDING SUPPLIES & EQUIPMENT

**NAILING
TIPS**
NAIL SIZE &
QUANTITY
GUIDE

**DO'S &
DON'TS**
INSTALLING
POLYCARBONATE



TIPS FOR COLD-WEATHER PAINTING

YOUR TOTAL SHED PACKAGE.

Roof

Keeps it cooler and brighter with LP® ProStruct® Roof Sheathing with SilverTech®

Walls

Gives a brighter, cleaner look with LP® SmartSide® Panel Siding with SmartFinish® Technology

Trim

Gives sheds the look of true craftsmanship in both cedar texture and smooth finishes with SilverTech®

Floor

Offers a tough, pro-grade finish with LP® ProStruct® Floor with SmartFinish®

Treated engineered wood materials from LP® Outdoor Building Solutions® feature innovations to deliver years of toughness and beauty.

Shed It Your Way.

See our full lineup at LPShed.com



Outdoor Building Solutions®



Structures from Arched Cabins
(patent protected design) make for
unique tiny homes. PHOTO BY EVERYTHING EVER
PHOTOGRAPHY, COURTESY OF ARCHED CABINS

22

CONTENTS

Features:

- 10 Concrete Finishing**
Let the Purpose Define the Finish
- 14 VOCs**
Minimizing Exposure to Volatile Organic Compounds
- 16 Working With Polycarbonate**
Proper Handling & Installation Advice
- 21 Nailing Tips**
How Many Nails You Will Need
- 22 Arched Cabins**
Successful Business Launched From Personal Project
- 26 Business Directory**
Where You Can Get The Supplies, Services You Need
- 38 Product Profiles**
The Products You Need To Build Great Projects
- 64 Painting When The Temps Drop**
Best Practices For Shed Painting In The Cold

Departments:

- 4** Publisher's Note
- 5** Editor's Note
- 5** Supplier News
- 25** Project of the Month
- 59** Business Connections
- 62** Advertiser Index

GARAGE • SHED • CARPORT
BUILDER

Managing Editor

Karen Knapstein
karen@shieldwallmedia.com
715-513-6767

Editor

Jessica Franchuk
jessica@shieldwallmedia.com
920-224-5146

Circulation/Subscriptions

Barb Prill
barb@shieldwallmedia.com
920-471-4846

Digital Product and Data Engineer

For help with online Classified
Ads & the Business Directory
contact: Steve Duberstein
steve@shieldwallmedia.com

Publisher

Gary Reichert
gary@shieldwallmedia.com
715-252-6360

Executive Assistant

Kathy Budsberg
kathy@shieldwallmedia.com

Graphic Designers

Tom Nelsen, Kevin Ulrich

Garage, Shed & Carport Builder is
published quarterly, Spring, Summer,
Fall and Winter, by Shield Wall Media
LLC, 150 Depot St., Iola, WI 54945.
Copyright 2020 Shield Wall Media
LLC. Names and logos referred to or
displayed in editorial or advertising
content may be trademarked or
copyright. Garage, Shed & Carport
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.



On The Cover:

Cardinal Manufacturing's
Mule 524 in action.
PHOTO COURTESY OF CARDINAL MANUFACTURING

CRS Bigger & Better In June

Dear Readers, Advertisers, Exhibitors and Attendees,

Regulations issued by the State of Ohio have forced us to postpone the Construction Rollforming Show, which was scheduled for Cincinnati in December. Several edicts were a challenge. The challenge we could not overcome was limiting total attendance of the exhibit floor to 300 "patrons." The State decided exhibitor booth personnel counted as "patrons"; last year, attendees and exhibitors totaled between 900 and 1,000.

Rather than offer an unsatisfactory show, we rescheduled the event to June 3-4. It's still at the Duke Energy Center and the Hilton Netherland Plaza. Both the venue and the hotel been extremely supportive and wonderful to work with.

All hotel reservations are cancelled and refunded. We are in the process of issuing refunds to all registered attendees, and should be finished before this issue mails.

Personally, this is difficult for me because I tend to be stubborn and occasionally overly aggressive. My instincts are to push forward, but in this case it would not be the right move

for our exhibitors or attendees. Rather than cry in my beer, I take this as a challenge; we will make the June 2021 Construction Rollforming Show bigger and better.

We will feature our Construction Rollforming Show exhibitors online during the entire month of December. This is only open to those exhibitors who would have been exhibiting. You have the chance to visit some great manufacturers. The digital show will be under the Events tab on <https://www.constructionmagnet.com> starting December 1.

We are still 100% on for the Garage, Shed & Carport Builder Show in South Bend, Indiana. Same dates and same location. Hopefully I will see you all in February.



Gary Reichert, Publisher

ARE YOU TOUGH AS NAILS?



Let The Nailing Begin!

You're invited to participate in the Maze Nails Tough as Nails Challenge! Grab your favorite hammer, a piece of wood, a stack of phone books or an old piece of furniture! Get creative!

Ask a friend, co-worker or relative to video record you driving 5 of our Maze Nails as fast as you can! We sent 10 nails so you can have a practice round!

WHAT YOU NEED:

- Your favorite hammer
- Protective eye wear
- A cell phone
- A surface you can drive 5 nails into - get creative!

WHAT YOU CAN WIN:

First 100 video submissions will receive a Tough as Nails T shirt

10 contestants will receive a personalized hammer*

Grand Prize: a Deliverance Mini Jack Hammer*



GRAND PRIZE!

Check out some of our videos and see the Deliverance Mini Jack Hammer in action



HAVE FUN!



100 Church St., Peru, IL 61354 - 800.435.5949 - mazenails.com

*Video submissions accepted through December 15, 2020. Winners of the personalized hammer will be drawn weekly. Winner of the Grand Prize, Deliverance Mini Jack Hammer, will be drawn at random from all video submissions.. Nails will not be mailed outside of the U.S. Email contest@mazenails.com for more info.  



TOUGH AS NAILS VIDEO TIPS & TRICKS



KEEP IT SIMPLE

We are experts at nails, not videos! We assume you're not either! Rest assured we will love your video submission no matter what!

We want to see your smiling faces when you realize how amazing MAZE nails are, but don't sweat it if the lighting isn't perfect!

Be sure to wear glasses or protective eye wear! 

We want to hear the pounding of those 5 nails, but it's no big deal if a train is going by or the neighbor's mower backfires!

Use your cell phone! They take great videos & allow you to easily upload directly from your phone!



Upload Info!



LIKE & FOLLOW the Maze Nails Facebook page to see all of the winners announced LIVE!



UPLOAD your contest video to your Facebook page



TAG the Maze Nails Facebook page



Not on Facebook? Email your video to contest@mazenails.com

Not sure how to upload your video? Visit, www.mazenailspromotions.com OR scan the codes below



Aim your camera at the code and you will be directed to our YouTube Tutorial

2020

OUR DECLARATION

ASTA AMERICA

Since 1990, ASTA America has delivered high-quality, top-performing, rolling steel doors to the commercial and industrial markets. While our company has expanded and our product offering has evolved over the past three decades, our unwavering dedication to the quality of our products and commitment to unsurpassed customer service remains steadfast. We believe that our customers, small and large, deserve well-engineered, quality products, and great service—period.



Our Relationships

WITH OUR CUSTOMERS COME FIRST

You shouldn't have to choose between **quality, service,** and **prompt delivery**—you deserve all three. When we say we'll do something, we do it. Our declaration? We deliver rolling steel and commercial steel doors without the chores.

NOW AVAILABLE

A complete line of **rolling steel** and **commercial steel doors** to meet your every need.

For more information on ASTA AMERICA, please visit:
ASTAAmerica.com/declaration or call 770-282-8849.



ASTAAMERICA

BY JANUS INTERNATIONAL



More Issues in 2021

This issue marks the completion of the first year run of this magazine. Each issue has been a challenge. I'd say the most challenging part has been fitting in as many topics as possible since there are so many topics relevant to the construction of sheds, garages, and carports. It became obvious to us early on that we couldn't address all the subjects we wanted to address in just four issues per year. So, next year that challenge will be alleviated a bit; we are adding two more issues to the schedule. Instead of publishing four issues per year, we'll be publishing six issues of

Garage, Shed & Carport Builder.

Another change you'll see in 2021 is we're replacing the Product Profiles with more in-depth Product Features that will include tips, tricks, and best practices from product manufacturers and builders. We figure you'll be able to use the best practices information more than .

You'll find a hearty "catalog" of Product Profiles in this, the Buyers' Guide issue. We'll bring back the Product Profiles in the April edition next year. Some of you builders will have the chance to show off your builds in that issue, too; watch for details in the January issue.

While the time remaining in 2020 is short, you can always make article suggestions by giving me a call, or dropping me an email or postal message. (See p. 3.)

By the way, our January 2021 edition will be a preview of the First Annual Garage, Shed & Carport Builder Show in South Bend, Indiana, February 4-5. I'm itching to go to another trade show where I can chat with manufacturers and builders in person. I hope to see you there!

Until next time, be well.



Karen Knapstein, Editor

SUPPLIER NEWS



ASTA AMERICA Announces Launch of New Brand

ASTA Door Corporation, a trusted provider of rolling steel and commercial steel doors, has announced the launch of its new brand in response to accelerated company growth and a renewal to its corporate vision. At the heart of this new brand is the change of the company name to ASTA AMERICA by Janus International, and an update to their corporate logo.

Alongside the announcement of their rebrand, ASTA AMERICA has expanded its full-line of rolling steel doors to include product offerings of polyurethane insulation and powder coating capabilities. Both product additions serve to increase the quality of their full line and meet growing customer demands in the commercial and industrial door markets.

Bullistic Barriers Introduces Two New Products

The recent spike in riots and looting across the U.S. have come at a high price. In addition to loss of life, the insured property losses incurred thus far total in the billions. The need for property protection is unprecedented.

As a response, Bullistic Barriers has introduced two new products to help mitigate risk of damage to residential, commercial, institutional as well as educational, religious and childcare facilities. The Bullet Resistant Fence and Bullet Resistant Garage Doors meet the need for ballistic protection and crash protection. Both are fire resistant. From a safety and security perspective, these products are specifically designed to absorb the bullet as opposed to foster the additional danger of ricochet. Additionally, this product is architecturally pleasing, enhancing property design while mitigating danger and risk.

The team behind Bullistic Barriers has over two decades of experience creating security gates and perimeter fences for affluent residences and extraordinary properties. By listening to the needs of executives and security professionals, the team was in tune to the ever-increasing demands for property and perimeter security. The result was the creation of comprehensive physical and ballistic barriers to meet the needs of any property. Currently, their gates and fences are in use across the country.

In early 2019, Bullistic Barriers started testing for the Bullet Resistant Fence. To date, it has undergone hundreds of rounds

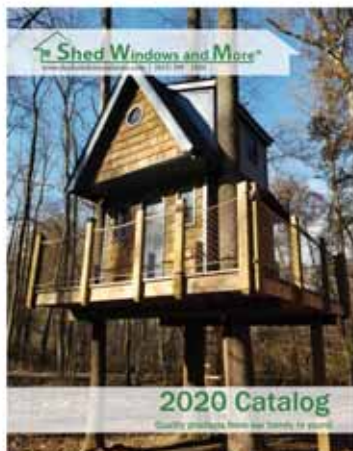
HELPING TO BUILD YOUR VISION

Every contractor and builder has a vision! Let us help you convert your vision to reality. We are more than just a building supply company. Learn more by calling us today.



Shed Windows and More®

Introducing our line of products made here in the USA. Everything from windows, gable bracket, pediments, vents, pre-hung doors, columns, shutter, and more. Family owned and operated for over 16 years located in South Carolina. We strive to make our products and service to meet or exceed your quality and service.



**Call to get a
2020/2021
catalog today**



Get in Touch

📍 Shed Windows and More, Inc.®
✉ info@shedwindowsandmore.com
☎ 843 - 399 - 1820

of testing, including testing to level 8 of UL752, arresting bullets from 9mm, .357, .44, 30-30 rifle, AR-15, AK47, and shotgun slug and shotgun shots. Bullistic Barrier products have been third party tested NTS meeting all UL752 standards.

Arcitell Announces Distribution Agreement With Russin

Arcitell, LLC recently announced an exclusive distribution agreement for its flagship product, Qora Cladding, with Russin, one of the leading distributors in high-end building and construction materials.

This agreement makes Russin the exclusive distributor of Qora Cladding to residential and commercial market segments in the North East, New England, and Mid-Atlantic regions. Qora will be made available to all of Russin's dealers in those service areas beginning Q1 of 2021.

"Arcitell seems like a perfect fit with our culture and product mix, and the Qora brand has tremendous differentiation, which will catch on quickly as we educate the building community," said Jordan Russin, Co-President at Russin. "It is the right product at the right time, and it fits with Russin's strategy of partner-

ing with companies that offer unique solutions to real challenges in homebuilding."

Qora Cladding is an easy-to-install cladding product that resembles the time-honored look of stone without compromising performance or aesthetic appeal.

A third-generation family company, Russin prides itself as a high-end distributor that carries the building materials and products professionals need to get the job done. For more than 50 years, Russin has been bridging the gap between innovation and function across a broad spectrum of prices, aesthetics, and material.

"We are excited and grateful for the opportunity to offer Qora Cladding to Russin's expansive network of dealers servicing the residential and commercial building markets," said Mike Maddern, Director of Marketing and Sales, Arcitell. "Russin's desire to provide value added services to its customers aligns well with Arcitell's mission to provide innovative products that help solve real problems our shared customers face. Russin shares many of Arcitell's core values, which include transparency, operating with high levels of integrity, and a commitment to innovation."

GSCB

	14-14 Indented Hex Washer Head Serrated Self-Drillers		Indented Hex Washer Head Serrated Type A, AB Tapping Screws
	1/4-20 Indented Hex Washer Head Serrated Self-Drillers		Indented Hex Washer Head (Lag Screw) Type A
	Flat Head Carriage Bolts		Indented Extra High Hex Washer Head (Lag Screw) Type A
	Short Neck Carriage Bolts		Knurled Track Bolts
	Special Low Profile Carriage Bolts		Flat Head, Round Head & Shoulder Rivets
			UNC Finished Hex Nuts
			Serrated Flange Locking Nuts

Call: 1.800.263.3393 NORTH AMERICA WIDE

www.lelandindustries.com



Stop the Dripping from Condensation

From the Largest Ag Building to the Smallest Carport...



Keep Everything Under Your Roof Dry.

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

From livestock to equipment, you can trust DripStop to protect and keep the contents of your building dry.

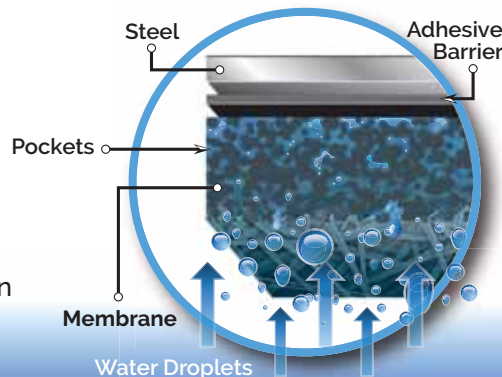
Areas of use:

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

Better Science Equals Drier Buildings

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

- Helps fight corrosion
- Stops bird nesting
- Durable, rip & tear resistant
- Easy to clean
- Cuts down on time of construction



Ask for it from your preferred steel panel supplier

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



Solid Finish

Durable Options For Finishing Concrete Garage Floors

BY KAREN KNAPSTEIN

It's hard to beat concrete as a garage or shed floor: It's durable, strong, and can be finished in a variety of ways. The amount of water in the concrete mix determines its workability. Once the mix is poured into forms, it's leveled (screeded) and then finished.

Committee 302 of the American Concrete Institute focuses strictly on concrete floors; it is a standing technical committee dedicated to collecting and disseminating accurate information about concrete floors. Committee 302 chairman Kevin MacDonald, a principal at Beton Consulting Engineering and associate professor at the University of Wisconsin, explained the significance of finishing concrete as it relates to the durability of the slab:

"Water takes up space in concrete. If too much water is added, the strength goes down and so does the resistance to damage. So we squeeze out water at the surface. By burnishing, we're increasing the density by pushing the solid particles closer together at the surface."

Garage floors can get pretty elaborate; let's take a brief look at a few that don't include stains and coatings. (We'll look at stains and coatings in a future article.)

Trowel Finish

The most common way to finish concrete in a shed is the simple trowel finish. After the concrete is laid in the forms, it's screed (leveled) and then fine-leveled with a trowel. A power trowel makes quick work of the process, but care must be taken to make sure the concrete is set up enough so as to not cause a wavy surface that your customer would not be satisfied with. The more the concrete is troweled, the smoother the finish becomes. Repeated troweling (burnishing) can make the concrete too smooth for a garage or shed,

which will result in a very slippery floor. You don't need your client sliding into the back wall the first rainy day they pull into their new garage ... let alone think about the hazards of an oil spill.

Exposed Aggregate

Creating an exposed aggregate floor is an advanced skill, but different types of aggregates and aggregate combinations can create unique floors. To achieve an exposed aggregate finish, after the concrete is cast and screeded, the aggregate is uniformly broadcast onto the concrete surface. The aggregate is then worked into the concrete surface by screeding or by using tamping tools. A final pass with a bull float is made to make sure all the aggregate is covered with the concrete paste. Once the concrete has cured, the top layer of concrete is ground off, revealing the aggregate. Aggregates used to create this type of floor include river rock, quartz, granite, limestone, and marble.

Stamped Finish

Concrete is an economical building material. By pressing a pattern into fresh concrete, you can achieve the look of flagstones, brick, tile, slate or other more expensive flooring materials. Patterns come on rollers and mats. After the color and sealant are applied, the concrete really can look like those other materials.

Controlling Cracks

The final step in finishing concrete is cutting crack control joints. MacDonald explained, "As concrete is undergoing shrinkage, stresses start to build. When stresses are greater than the tensile strength, you'll get a crack. So you put in a crack control joint every 24 to 36 times the slab thickness to get a controlled crack." Cut to a depth equal to a quarter of the slab thickness and it



DYNAMIC FASTENER

Everything for the Metal Builder & Roofer®



FREE 140 Page Full Color Tool & Fastener Hand Guide provides prices, engineering data & details product offering.

DYNAMIC FASTENER is specifically geared to handle the needs of the Metal Building Contractor. We provide in-house custom color painting of screws and rivets with just a one or two day (days, *not* weeks) lead time. Over 100 million rivets, mostly pre-painted, & tens of thousands of power tools are stocked and sold at the lowest prices. Highest quality, top name brand fasteners are stocked and sold at the lowest prices. Same day shipment on orders received by 4:00 p.m. CST. We are a supplier to the largest metal building manufacturers.

We want to be **YOUR** source for screws, pre-painted rivets, anchors, flashings, Dyna-Guard® snow retention system, safety equipment, hand tools, power tools and accessories.

7 warehouses to serve your construction needs for tools and fasteners

(MAIN OFFICE)

Kansas City • Chicago • Houston • Las Vegas • Memphis • St. Louis • St. Paul

CALL 800-821-5448 or Order Online @ DYNAMICFASTENER.COM



Call for your Free Full Color 140 Pg. Hand Guide. Better yet, call us for your next tool or fastener requirement. Discover for yourself why your peers enjoy doing business with our company!

will crack at that location because the cut creates a weakened plane.

“Controlled cracking is seen as normal,” he continued. “Once a slab is about 36 times larger than its thickness, it’s going to crack. You can have cracks occur randomly, or you can have them occur where you have your control joints and it will look better.”

Sealing

Concrete is porous; it tends to absorb water, chemicals, and other material it comes into contact with. The exposure to water, chemicals, and general use can damage the concrete. Finishing a concrete floor in a garage or shed with a penetrating sealer will protect against stains and help preserve the look of a new floor. **GSCB**

Manufacturer Offers First Battery-Powered Roller Screed

Curb Roller Manufacturing has announced the release of the Batt Screed 6000, the industry’s first battery-powered roller screed. The roller screed operates with no cords, hoses, or fumes.

The Batt Screed eliminates the hassle of working around a cord and the added weight of an engine mounted on the screed. The unit gets its power from a removable and rechargeable 60-volt lithium ion DeWalt FLEXVOLT battery. Contractors may be familiar with this line of batteries and their versatile use in smaller or heavy-duty cordless tools like hammer drills or cutoff saws. One fully charged battery is estimated to screed off 1,800-2,500 square feet, depending on the slump and pipe length. By eliminating an auxiliary power source, the Batt Screed 6000 can be operated almost anywhere. Unlike gas, electric and hydraulic roller screeds, the Batt Screed eliminates exhaust fumes, power cords and the need for hydraulic power sources, making it ideal for indoor operation or use in tight spaces.

The Batt Screed easily accommodates jobs from 3 to 22 feet with expandable tube inserts, making it highly versatile. This flexibility makes it ideal for both small and large jobs including bike trails, golf cart paths, garage pads, shed floors, grain bin pads, and parking lots.

The Batt Screed provides a consistently higher-quality finished product than vibrating screeds or screed boards. It eliminates the need for back-breaking work, providing an ideal solution for contrac-



tors who want to get more flatwork done in less time — all with a better, flatter finished product.

Because roller screeds spin the concrete into shape versus vibrating the concrete, larger aggregate, and more of it, remains near the surface of the slab, providing increased structural integrity. Conversely, vibrating screeds use vibration to form the concrete which often causes the aggregate to fall to the bottom of the slab, leaving the concrete more open to spalling.

The Batt Screed 6000 design includes an adjustable right- or left-hand speed control, variable speed in both high and low ranges, and a three-position handle that allows for a more ergonomic operation for operators.

The multi-position handle gives operators more versatility when it comes to obstacles or limiting factors during a pour. For example, if a contractor is pouring a driveway, they can position the handle outward to allow them to walk outside of the forms. **GSCB**

We're more than world-class coatings. We're your trusted partner.



With you every step of the way

For over 135 years, PPG has built a strong reputation as a global coatings leader. Our AQUACRON® 200 semi-transparent urethane and Aquacron 100 solid-color coatings deliver excellent exterior protection in over 1,800 PPG THE VOICE OF COLOR® custom hues.

PPG delivers more than world-class coatings. Unlike many coatings manufacturers, we provide on-site technical support and application training, color matching and consultation services, online invoicing and payment tools, and a newsletter filled with informative technical articles.

We also offer a wide variety of sundries, including touch-up kits, wire-cage roller frames and covers, chip brushes, boxes of plastic, masking tape, TOP GUN® caulks and GRACO® spray rigs.

With PPG's personalized inventory management program, you won't wait weeks for your products to ship across the country. We'll keep your coatings and sundries stocked in our local service centers, shortening lead times and reducing your need for on-site storage.

We're with you every step of the process. To learn more, visit ppgtruefinish.com or call 1.866.PPG.TRUE.



Aquacron, the PPG Logo and PPG TrueFinish are registered trademarks and We protect and beautify the world is a trademark of PPG Industries Ohio, Inc. The Voice of Color and Top Gun are registered trademarks of PPG Architectural Finishes, Inc. Graco and UltraMax are registered trademarks of Graco Minnesota, Inc. Husky is a registered trademark of Home Depot Product Authority, LLC. Scotch is a registered trademark of 3M Company. ©2019 PPG Industries, Inc. All rights reserved.



We protect and beautify the world™

VOCs

What They Are And How To Avoid Over-Exposure

BY GSCB STAFF

Shed-building professionals should be aware and take precautions against over-exposure to certain chemical hazards called VOCs (volatile organic compounds) that are inherent in paints, coatings and many building materials.

The Environmental Protection Agency (EPA) explains that VOCs are emitted as gases from certain solids or liquids and include a variety of chemicals (formaldehyde is one of the best known VOCs), some of which may have short- and long-term adverse health effects. Concentrations of many VOCs are consistently higher indoors (up to 10 times higher) than outdoors. Materials with potentially high VOCs include paints and lacquers, paint strippers, cleaning supplies, building materials and furnishings.

Jean Blackstone, of Sharkskin Roof Underlayments (their underlayment is made without VOCs) noted that VOCs are “numerous, varied and ubiquitous.” She goes on to explain: “They include

both human-made and naturally-occurring chemical compounds.

“Harmful VOCs typically are not acutely toxic, but have compounding long-term health effects. Because the concentrations are usually low and the symptoms slow to develop, research into VOCs and their effects is difficult.”

When some VOCs are combined with sunlight, they form ozone, a major component of smog. Ozone is a powerful oxidant that can irritate the airways.

There are many health risks associated with ozone and VOCs. The U.S. National Association of Medicine cites that short-term effects of over-exposure to VOCs can include irritation of the eyes and respiratory tract; headaches; dizziness; visual disorders; and memory impairment.

Long-term exposure may cause irritation of the eyes, nose, and throat; nausea; fatigue; loss of coordination; dizziness; damage to the liver, kidneys and central nervous system; and cancer. Due to their size and developing bodies, children are especially susceptible to the

hazardous effects of VOCs.

While avoiding VOCs entirely is difficult, the EPA suggests always providing adequate ventilation by meeting or exceeding label precautions; safely disposing of unused or little-used containers; and keeping products with potentially harmful VOCs out of reach of children and pets.

Blackstone suggested that when there is a choice, choosing products *without* VOCs is the best option. “Any time you are using a product containing VOC’s you are putting yourself or your crew at risk for health issues, along with the people that will be under the roof you are installing, as well as contributing to polluting the air,” she says.

In addition to choosing low- to no-VOC construction products, proper ventilation is critical in ensuring indoor air quality. Without ventilation, you’re trapping VOCs inside. Install a combination of exhaust and intake vents to ensure adequate exchange of stale (possibly VOC-laden) inside air with fresh outside air. **GSCB**

PREMIUM QUALITY ROLLFORMING MACHINERY



PANEL ROLLFORMER



TRIM ROLLFORMER



GARAGE DOOR LINES



ROLL-UP DOOR LINES



BOTTOM BAR LINES



SEAMING STATION



ROLL-UP STATION



CHANNEL LINES



PURLIN LINES



DOOR TRACK LINES



ASC MACHINE TOOLS, INC.

TEL: (509) 534-6600

WWW.ASCMT.COM



MADE IN USA SINCE 1949

UpGrade

UTILITY RAMPS

Durability UpGrade

Made from Heavy-Duty
Hi-Grade Galvanized Steel!

Traction UpGrade

More Grip Than Diamond
Plate or Treated Wood!

Convenience UpGrade

Installation Is Fast and Easy
Removal is even faster!

Design UpGrade

Interlocking Panels Provide
Strength and Versatility.



Available in Multiple Widths

Heavy Duty Bracket Holds Panels Firmly In Place - Easy to Remove and Reattach



Raytec Manufacturing

RaytecLLC.com - Sales@RaytecLLC.com - 877-800-2500



Clear Protection

What You Should Know About Polycarbonate Panels

BY KAREN KNAPSTEIN & SHARON THATCHER

Polycarbonate is less noisy than a metal roof; it's lighter to handle and panels can be installed fairly easily.

Some of you are old pros at choosing, handling and installing polycarbonate panels, but some of you may handle it so infrequently that sharing a few tips and tricks would be helpful to ensure a successful installation.

Light In – UV Out

UV-blocking polycarbonate panels are manufactured from clear to nearly opaque. Onduline manufactures TUFTEX corrugated polycarbonate panels, which are 20 times stronger than 5 oz. fiberglass corrugated panels and are designed to withstand a wide range of surface temperatures.

The company offers retail and pro lines of polycarbonate. The line aimed at do-it-yourselfers is 26" wide and comes in lengths from 8'-16'. The Pro line is 38" wide in profiles to match popular metal panel profiles. The Pro line comes in lengths of 8'-24' with custom lengths available on larger orders.

All of Onduline's TUFTEX polycarbonate panels are available in three colors: Clear, Smoke (sometimes referred to as "Bronze"), and Translucent White, which allow 90%, 80%, and 70% light transmission, respectively. While the panel may allow 90% light transmission, it still offers 100% UV protection.

Buddy Pullen, Vice President of Pro Sales for Onduline, explained what would make these panels appealing to your customers: "These polycarbonate panels

are lightweight and long lasting. They don't rust or corrode like metal, which is important for certain geographies like coastal regions."

He also commented on why installers would find the panels appealing: "You don't need any special tools to install them and you can put them on pretty easily. They're lightweight and easy to install."

However, there are some universal installation rules to follow.

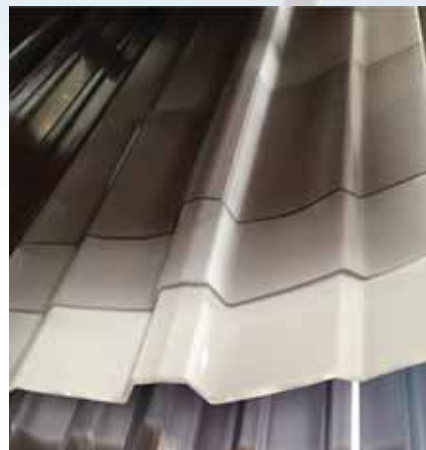
Installation Advice

Andrew Mullen, president of Direct Metals Inc., which offers a variety of corrugated translucent polycarbonate panels of their own, shared some valuable advice about panel installation.

"Most polycarbonate panels can be cut or sawed by manual or power tools," he advised. "A bench/table circular saw using a 128-tooth blade is preferred, but portable circular saws can be used in a pinch for on-site cuts. Avoid intersecting cuts — if one must be made, drill a hole at the intersection point and then saw to that point. Be sure to wear work gloves and protective eyewear while cutting, and use the gloves to clean up rough edges once cool."

He continued, "As polycarbonate panels expand and contract at a higher rate than metal panels do, it is necessary to predrill all fastener connections with pilot holes larger than the fastener diameter. Manufacturers suggest oversizing the hole by 1/16" to 1/8".

Pullen recommended holes be predrilled 3/16" larger than the screw



Direct Metals offers ridge caps in colors that match the company's polycarbonate panels. PHOTO COURTESY DIRECT METALS INC.

shanks. He cautioned, "If you don't predrill or predrill a large enough hole you'll get micro-cracks that grow into spider cracks around the fastener. This is the case for all polycarbonate panels," he said. "For Onduline and other manufacturers.

"There are some winged fasteners available on the market that predrill and tap into wood substrates, lessening the labor needed for a proper install; however these fasteners work well on thinner 0.8mm panels but not as well on 1.5mm and 2.0mm panels," he advised. "Due to the oversized holes, it is suggested that fasteners with 3/4"— or in some cases 1 1/8"—diameter sealing washers be used to ensure a watertight seal.

"The panel manufacturer or distributor may require specific fasteners to be used," Mullen cautioned, "so be sure to

Our MulesTM Deliver

At Cardinal, we are driven to manufacture the highest quality equipment for your shed delivery needs. Whether it's our knowledgeable, friendly sales staff assisting you in the choosing the Mule that best fits your needs or our Research and Development team developing innovative technology, we are committed to providing you exceptional service and the equipment to meet your shed delivery demands. Our line of Mule shed-movers includes the Mule 413, the Mule 524, the Mule 624T, and the Mule 737T, along with many options including the highly popular Wireless Remote Control. Over the years, thousands of shed movers have come to trust the reliability and efficiency of the Mule. Contact us today to explore the exciting possibilities that will make *your* workday more efficient and less stressful.

MULE 737T

CARDINAL
MANUFACTURING LLC
Our Mules Deliver.TM

888.323.8737
info@cardinalmfg.net



MULE 413

MULE 524

MULE 624T



check prior to the installation of any warranted panel. Panel predrilling is best done at a 90-degree angle with a drill bit designed for metal with a drill speed of 1000 rpm."

Mullen further advised, "Do not overtighten fasteners — this will cause the rubber washers to fully compress. It is best to use electric screw guns with torque-sensing devices and not impact drivers. Always drive the fastener perpendicular to the surface of the panels until seated. If the washer deforms, the fastener is too tight."

If the fastener is too tight, the panels, again, won't be able to move as they expand and contract with temperature changes, which will cause dimpling, cracking, buckling and — ultimately — unhappy customers.

Additional Points To Remember

When storing polycarbonate panels in the yard or on a job site, it is important to stack shorter panels on top of longer panels and ensure they are on a flat surface that is equal to or longer than the longest panel. It is recommended that the panels be stored in a cool, dry area out of direct sunlight. (When the panels are stacked together, each panel layer acts as a magnifying glass under the sun's rays with nowhere for the solar heat build up to escape which can then warp the panel.)

If the panels got dirty during storage, it's easier to clean them before installation rather than after. Pullen suggested using a pressure washer with a mild bleach solution comprised of 1 part bleach to 10 parts water. "TUFTEX UV protection goes through the entire prod-



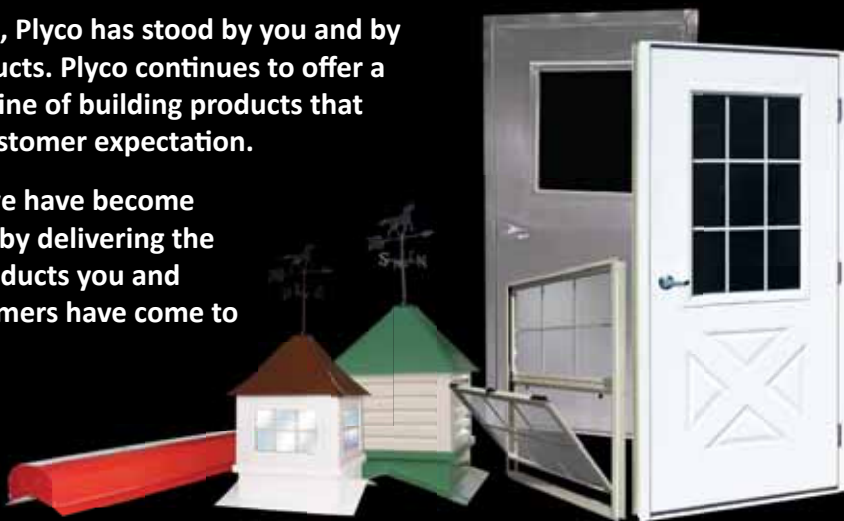
Stainless steel fasteners with oversized washers, ideal for predrilled polycarbonate sheeting, can be the perfect fastener for installation into wood, steel or aluminum substrates.

PHOTO COURTESY DIRECT METALS INC.

Making a WORLD OF DIFFERENCE with Quality and Service

Since 1951, Plyco has stood by you and by their products. Plyco continues to offer a complete line of building products that surpass customer expectation.

At Plyco, we have become the leader by delivering the quality products you and your customers have come to expect.



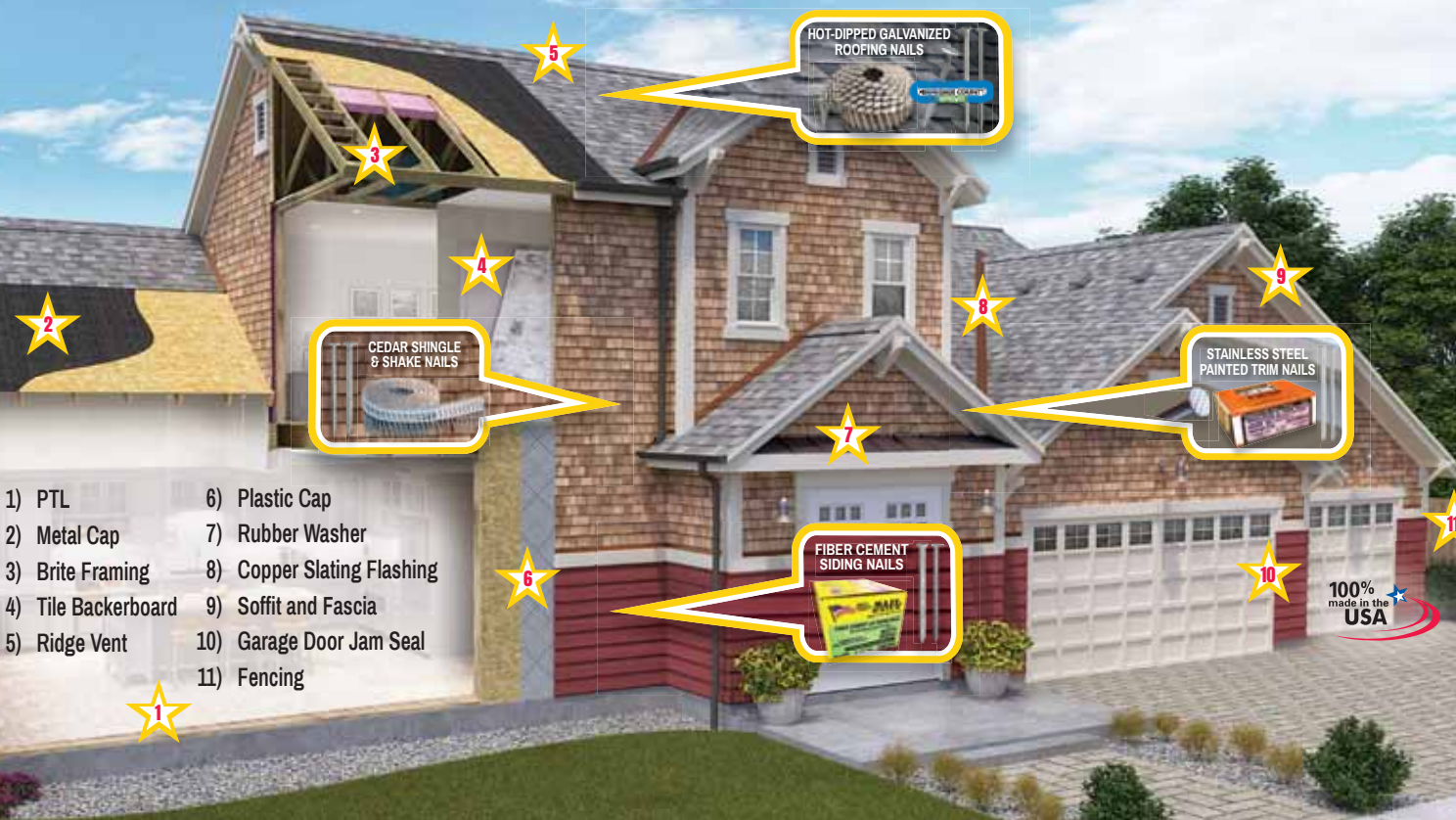
PLYCO

CORPORATION

DOORS • WINDOWS • CUPOLAS • FASTENERS • RIDGE VENTS • SDR PACKAGES

BUILDING CONNECTIONS

800.558.5895 ♦ www.plyco.com



- 1) PTL
- 2) Metal Cap
- 3) Brite Framing
- 4) Tile Backerboard
- 5) Ridge Vent
- 6) Plastic Cap
- 7) Rubber Washer
- 8) Copper Slating Flashing
- 9) Soffit and Fascia
- 10) Garage Door Jam Seal
- 11) Fencing

ANY WAY YOU SLICE IT, WE'VE GOT YOUR PROJECT COVERED

Look for the nails in the bright yellow boxes!

Maze Nail has been helping build America for over 170 years. Since the very beginning, our sole mission has been to provide top quality specialty nails - **100% Made in the USA**. Maze is the exclusive manufacturer of **STORMGUARD®** Double Hot-Dipped Galvanized Nails with a **LIFETIME WARRANTY** against red rust. In addition to galvanized nails, we manufacture a full line of stainless steel, copper and aluminum nails. Look for our bright yellow boxes of hand driven nails, as well as our universally-compatible wire and plastic collated coil and stick pneumatic nails. Trust the leader in Specialty Nails - **MAZE NAILS!**



Let us help you choose the right nails for the job!

800-435-5949 | mazenails.com

7:30 a.m. to 4:30 p.m. CST Monday through Friday.



**MAZE 100% MADE IN THE USA NAILS
ARE MANUFACTURED WITH PRIDE AT OUR
HEADQUARTERS IN PERU, ILLINOIS.**



uct, so there's no protective layer you can damage. It's solid UV protection through and through."

Never walk directly on a polycarbonate panel, even if they are fastened. Use scaffolds, ladders or crawl boards. Don't leave the panels unattended and unsecured on a structure; they could blow off.

If you are installing with metal panels, make sure the profile of the polycarbonate panel is an exact match to the profile of the metal panel. If the gaps between the major ribs and/or the minor ribs are too large, your installation will not be successful. Some manufacturers can match your panel exactly to ensure a smooth installation.

When installing, if you're working with a coated product, as opposed to products like TUFTEX and DMI's SUNSKY, which have UV protection throughout the entire thickness of the panel, be sure to have the UV-protected side facing up (or out). It is also recommended to install with a roof pitch equal to or greater than 1:12 and make sure you know the load ratings for the chosen panel with the configuration of the structure.

Each polycarbonate panel profile usually has a unique recom-



TUFTEX corrugated polycarbonate panels allow up to 90% light transmission and are 20 times stronger than 5 oz. fiberglass corrugated panels. PHOTO COURTESY OF ONDULINE.

mended fastening pattern either for best results, or to meet more stringent building codes, such as the Florida Building Code. Consult the panel manufacturer's product specifications for these details. **GSCB**



Design Enhancement

SLIMMER

C-RHEX® 1/4 in. and 5/16 in.
CLEANABLE, REVERSIBLE, MAGNETIC HEX DRIVERS

U.S. Patent No. 10,328,554

Available in 4 Lengths



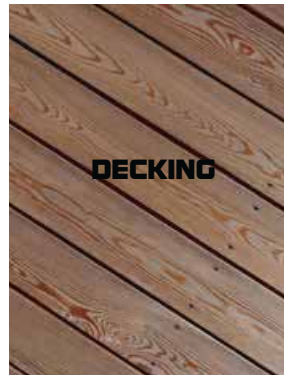
New Slimmer Design Enhancement reduces the 1/4 in. size by 16%, to gain easier access in tight spaces for ultimate flexibility and productivity!

Malco Products, SBC • Annandale, MN. U.S.A. • www.malcotools.com • ©2020



NAILING TIPS AND APPLICATION GUIDELINES

How many nails will I need? (approximate count)



BOX NAILS FOR HARDBOARD SIDING		
12" Horizontal Siding	2" - 3 1/2"	1,200 nails per 1,000 Sq. Feet
4' x 8' Panel Siding	2" - 3 1/2"	3,300 nails per 1,000 Sq. Feet

NAILS FOR CEDAR AND REDWOOD WOOD SIDING		
1/2" X 4" Siding	2" - 2 1/2"	2,280 nails per 1,000 Lineal Feet
1/2" X 6" Siding	2 1/4" - 2 1/2"	1,520 nails per 1,000 Lineal Feet
3/4" x 8" Siding	2 1/2" - 3"	1,140 nails per 1,000 Lineal Feet
3/4" x 10" Siding	2 1/2" - 3"	912 nails per 1,000 Lineal Feet
3/4" x 12" Siding	3"	760 nails per 1,000 Lineal Feet

FIBER CEMENT SIDING NAILS		
Lap Siding	2" - 3 1/2"	9 nails per 12' piece
4' x 8' Panel Siding	2" - 3 1/2"	16" on Center - 55 Nails per Panel
4' x 8' Panel Siding	2" - 3 1/2"	24" on Center - 49 Nails per Panel

VINYL SIDING NAILS		
1 1/2", 2" and 2 1/2"		115 nails per Square

CEDAR SHAKE SIDING FACE NAILS		
16" Shakes	2"	360 nails per Square
18" Shakes	2"	310 nails per Square

CEDAR SHINGLE NAILS		
16" & 18" - New Roof Over an old Roof	1 1/4" - 1 3/4"	860 nails per Square
24" - New Roof Over an old Roof	1 1/2" - 2"	570 nails per Square

Please be advised that the counts above are approximate and may vary significantly due to the different amount of exposure desired in each job. Shakes and shingles also come in a variety of widths that may also affect the number of nails used per Square.

ASPHALT & FIBERGLASS SHINGLE NAILS		
On a New Roof	1 1/4"	320 nails per Square
Over an Old Roof	1 3/4"	320 nails per Square

DECKING NAILS		
5/4" x 6" Decking Joists spaced 16" O.C.	2 1/2" - 3"	460 nails per 100 Square Feet
2" x 4" Decking Joists spaced 16" O.C.	3" - 3 1/2"	580 nails per 100 Square Feet
2" x 6" Decking Joists spaced 16" O.C.	3" - 3 1/2"	460 nails per 100 Square Feet

UNDERLAYMENT & PLYWOOD NAILS		
1/4" Pressed and Plywood Underlayment	1 1/4"	500 nails per 100 Square Feet
3/8" Pressed and Plywood Underlayment	1 1/2"	500 nails per 100 Square Feet
1/2", 5/8" 3/4" Plywood and Sheathing	2" & 2 1/2"	150 nails per 100 Square Feet
1" Plywood Subfloor	3"	150 nails per 100 Square Feet

WARNING: SAFETY GLASSES SHOULD BE WORN WHENEVER DRIVING ANY NAILS!

Many customers add decks to the ends of their Arched Cabin structures. PHOTOS COURTESY OF ARCHED CABINS



Arched Cabins

Successful Business Springs From Personal Project

BY KAREN KNAPSTEIN

Cypress, Texas-based Arched Cabins is a family owned and operated business that has been building metal-ribbed buildings for the past 15 years. The crew includes father David, his wife Harmony, their sons Joshua and Jeremy, and Jeremy's wife Gillian.

David Cruey invented the arched cabin. Once he built his arched cabin retirement home in New Mexico, and son Jeremy built his primary residence, also in New Mexico, people started asking how they could get homes like that, too. Long story short: Arched Cabins was born.

Jeremy explained, "The arch is based on the Gothic arches

found all over Europe. The Gothic arch design is great because it's strong and stable. It makes for a really great structure."

The arched structures have really caught on, but not without a few pauses along the way. "When we were first introduced to the building market," Jeremy said, "building departments had never seen anything like them before. We had to get all the structural engineering put through and approved."

"One of the biggest challenges is getting into California because of all the building codes," he said. "It's just another process but we worked with engineers and the State of California to get them permitted in that area and they've worked out well as houses."

The arched structures are incredibly sound. The company has shipped building kits to all 50 states and Jeremy said they've gone through permitting in every state. Their buildings have exceeded all of the 2019 Standard codes that they've come across.

Steel Strong

Arched Cabin kits are manufactured with curved ribs made from 2"x2" tube steel. They built a roll-forming machine themselves that creates a C-channel in the tubing to give the ribs more structure. The patented design has the ribs, spaced 24" apart, snapping in place in such a way that competent do-it-yourselfers can put the building kit together.



The unique shape of Arched Cabins structures lend themselves well for use as memorable shops, such as the Tillery Street Plant Company, Austin, Texas.

The exterior — MBCI's 24" Superspan PBR panels in 26 gauge — are through-fastened to the ribs with color-matched fasteners that are provided. The PBR panels have a full lip overlap preventing leaks, drips, and seeps.

The standard panel finish is a galvanized finish with 20-year warranty; the upgraded panel option is finished with a proprietary polymer coating with a 40-year warranty. "Galvanized lasts a long time," said Jeremy, "but it's nice to have a color choice and it's nice they give it a 40-year warranty."

So far, the company has built thousands of kits and shipped them off to excited new homeowners. Kits include everything for the building envelope including standard R13 insulation. A detailed build manual is included.

In the past, Arched Cabins had a road crew that would travel and put the kits together. These days it's up to homeowner to find a local builder and finish it out. "It's much more affordable for people to find local builders," said Jeremy. It makes it more affordable for them and more affordable for the customer.

What Builders Should Know

Arched Cabins builds kits from 8'x8' in size all the way up to 30' wide x 40' long, and the structures can be built on any type of foundation. "Everyone is different with different needs," Jeremy said. "The open profile of the Arched Cabin can be finished out any way you want. It can be super rustic to super modern. It lends itself well to any way the customer wants to finish it out."

Those customers who cannot do it themselves will seek the help of local builders. "Standard construction practices will cross over into an arched cabin," Jeremy said. "For the interior finish, sheetrock will curve up the walls. Half-inch sheetrock works fine. Most guys building in the industry will have the scaffolding, tools, and ladders and everything they need in order to finish it out," he explained.

YOUR ROLL-UP DOOR SUPPLIER SHOULD WORK AS HARD AS YOU DO



When you take pride in your work, it shows. It's more than the quality of the product, it's attitude. Delivery speed. Reliability.

Trac-Rite door is your employee-owned option for quality roll up doors. We've just expanded our factory for even faster service. The doors are top quality, easy to install, and backed by the best warranty in the business.

800-448-8979
tr@tracrite.com



Plus the kits come with a comprehensive build manual and the company mans a help line. "Any time customers have questions they can call the office for help."

Three Keys To Good Business

When queried about their Three Keys to Good Business, without hesitation Jeremy said: "Communication and support are number one. When you have a product that people aren't familiar with, they appreciate that communication and support. Help them and they become fans for life."

Their second key is affordability. Arched Cabins builds a component (the shell) that allows someone build a home for just \$30-\$60 per square foot.

Their third key is believing in what they do. "We're not just showing up and trying to push a product that won't be here in 5 years," he said. "We're selling a lifetime product that we all believe in."

"In our market, tiny homes on wheels and modular tiny homes are often built with subpar materials," Jeremy explained. "Tiny homes on trailers may be using 2x4s that are actually 1 1/2"x3". They might be using quarter-inch sheetrock. The buyer might have a 30-year mortgage on their tiny home, but it may only last 20 years."

"It's amazing how excited people are about Arched Cabins," he said. "We'll talk with some customers for two or three years

before they buy one. Every one of our customers is important. Whether they're building next week, next month, or next year ... you get the same quality service and support."

Building A Future

What started out as a personal endeavor turned into a wonderful thing for the Cruey family. It also turned out to be a wonderful thing for the people and families who aspire to own their own homes. "The biggest focus for us has been the quality of life. It's provided a better quality of life for us and for our customers," Jeremy said. "It's a way of life for us. And it's a means for people with not a lot of means to have a home. We've invested in it and it's been a really good investment for us."

GSCB



From plain and rustic to luxurious, the open profile of Arched Cabin structures can be finished any way owners want. As a builder, would you be up for finishing interiors such as these?

PHOTOS COURTESY OF ARCHED CABINS

Maintenance Building

Franklin Grove, Illinois

This maintenance building was built by RR Buildings for a local retirement center. It measures 30' x 30' and has a 5' overhang area where workers can take a break. The building features Metal Sales Classic Rib 29 gauge metal and Versetta Stone panels on the exterior, as well as a white liner panel and insulation package on the interior. **GSCB**

THE DETAILS:

Size: 30' x 30', 5' overhang

Builder: Rural Renovators (RR Buildings)

Location: Franklin Grove, Illinois

Wall & Roof Panels: Metal Sales 29 gauge Classic Rib

Garage Doors: Raynor Garage TM200 Garage Doors (2)

Walk Doors: Plyco 92 Series

Windows: Simonton vinyl sliding windows



BUSINESS DIRECTORY

BUILDING ENVELOPE**Paint Co., LLC****A&L Paint Co.**

112 Four Wheel Dr.
Rebersburg, PA 16872

814-349-8064

800-980-9796

814-690-1800 Fax

alpaintsales@gmail.com

We are a small, independent coatings manufacturer. This gives us the flexibility to create coatings that perform the way shed builders want and need. We don't have commission-based sales people, but when you call us the person answering the phone can take your order, answer your questions and can take care of any problems you might have. No pressure, no hype, just fast, friendly service and very high quality products at a fair price.

**Acu-Form / Paint Valley Parts**

10550 Township Rd. 262

Millersburg, OH 44654

330-674-4003

acu-form@safecommail.com

www.acuformequipment.com

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.

**ASC Machine Tools, Inc.**

900 N. Fancher Rd.

Spokane, WA 99211

509-534-6600

509-536-7658 (fax)

contact-us@ascmt.com

www.ascmt.com

Established in 1949, ASC specializes in roll-forming machinery, tooling, and associated equipment utilized for metal processing. We offer a variety of panel lines, single and multi-trim roll former, cz purlin lines, garage door and roll-up door lines, track lines, channel lines, bottom bar roll former and custom designed roll-forming lines — Made in Spokane, Washington USA!

**BECK America**

105 Industrial Dr.

Muscle Shoals, AL 35661

800-239-8665

info@beck-america.com

www.beck-america.com

We are proud to be the North American distribution arm for the vast range of tools, parts and fasteners manufactured by BECK, a company with over 115 years of experience in providing products of consistent quality and innovation. Each of our fasteners is carefully engineered to precisely fit the broad array of all common air-driven fastening tools.

**THE BRADBURY GROUP****Bradbury Group, The**

1200 E. Cole

Moundridge, KS 67107

620-345-6394

bradbury@bradburygroup.com

www.bradburygroup.com

The Bradbury Group offers quality roll-forming equipment to manufacturers with different manufacturing needs and production levels.

Machines can be designed for startup companies, mid-sized production companies, and the highest volume level manufacturers that often need more throughput and automation. All Bradbury Group machines come with Beck Automation controls from Beck Automation, a Bradbury Group company. Beck Automation offers software packages that can connect office to the shop to manage orders and production.

**Capital Forest Products**

107 Gibraltar Ave.

Annapolis, MD 21401

800-255-3405

410-280-6108 (fax)

marketing@capitalforest.com

www.CapitalForest.com

For more than 30 years, Capital Forest Products has been a leading distributor of lumber and shed manufacturing materials for the shed and outdoor utility building industry. Our exclusive relationships with our European and Canadian sawmills allow us to deliver only premium products to you. It is our mission to supply our customers with quality products from leading vendors in the industry. Allow us to be the resource that puts you a step ahead of your competitors.

**Cardinal Manufacturing LLC**

426 N. Battleford Rd.

Carrier Mills, IL 62917

888-323-8737

info@cardinalmfg.net

www.cardinalmanufacturing.com

At Cardinal we understand shed delivery. Our passion is providing you with the equipment you need to deliver your sheds easily and efficiently. For more than a decade, our hard-working family of Mules has been making the lives of shed movers everywhere less stressful. With features such as our innovative i-Trax technology and wireless remote controls, the Mule is the answer for delivery dilemmas. Our Mules Deliver.



Daich Coatings

304 Gage Ave. North
Hamilton, ON L8L 7A7
Canada
866-463-2424
905-812-8257 (fax)
info@daichcoatings.com

From real stone finishes to anti-slip sealers, Daich Coatings offers a wide variety of cost effective surface solutions for garages, driveways, sheds and carports. Daich Coatings makes decorative stone coatings, high performance paints and architectural maintenance products. SpreadStone, SpreadRock, RollerRock and Terrazo all provide strong surface coatings. DaiHard 100 Industrial Strength Epoxy Garage Floor Kits deliver professional-grade heavy duty performance on garage floors. TracSafe Anti-Slip Sealer provides aggressive anti-slip durability on interior and exterior surfaces.



DaVinci Roofscapes

13890 W. 101st St.
Lenexa, KS 66215
800-328-4624
913-599-0065 (fax)
info@davinciroofscapes.com
DaVinci Roofscapes® makes composite slate and shake roofing along with hand-split shake siding. The company, based in Kansas, offers a wide variety of colors and options for its impact- and fire-resistant products. With realistic profiles, the composite tiles resist curling, splitting, pests, fading and rotting. Backed by a Lifetime Limited Warranty, each of the products reflects traditional shake and slate appearances. Made for superior performance, the tiles are 100% recyclable.



DB Building Fasteners

5555 E. Gibraltar St.
Ontario, CA 91764
909-581-6740
909-581-6745 (fax)
sales@selfdrillers.com
www.selfdrillers.com
DB Building Fasteners specializes in self-drilling fasteners, sheet to wood fasteners and other accessories for the metal roofing/building industries. Our in-house paint booths give us the ability for quick deliveries. And our skilled in-house sales department can help you with any issue you may have. Need your parts today? Not a problem at DB!

BUILDING ENVELOPE

DOORS, WINDOWS, ACCESSORIES

FOUNDATIONS



Factory Direct Garage Doors for Sheds

Factory to You Deliveries in the Midwest and South
Ten Window Choices in Long or Short Panel
Your Choice of Five Colors. Lifetime Limited Warranty!



Arthur, IL 217-294-1173 sales@kevmarmfg.net

Royal Crowne Cupolas

717-288-2630



- * 120 mph Wind Rated
- * Easy installation
- * Sizes 24" - 72"
- * Square or Octagon
- * Louvers or Windows
- * Weathervanes

www.royalcrowne.com



**Direct Metals Inc.**

1719 Baseline Court
Fort Myers, FL 33905
855-800-8878

dave@directmetalsinc.com

www.directmetalsinc.com

Direct Metals Inc. supplies fasteners and building accessories to the post-frame, steel-frame, commercial and residential building industries. Key products include long-life screws for metal roofing, code approved pancake and wafer head screws for standing seam metal as well as panel clips. Pipe flashings, sealants, vented and solid foam closure strips, polycarbonate panels and foil insulation round out the product line.

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 Fastener offers same-day shipping of screws, painted rivets, anchors, flashings, safety equipment, hand tools and power tools. In-house painting of screws and rivets, with one or two day lead time. Dyna-Guard snow retention for metal roofs. Dyna-Clamps are available to accommodate many different profiles of standing seam roofs. The company's free 140-page, full-color tool and fastener hand guide provides engineering data, details product offering and pricing.

**East Coast Fasteners**

PO Box Q
Elkhart Lake, WI 53020
800-558-5895
tgranitz@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 combinations 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.

**Erect-A-Tube, Inc.**

PO Box 100
Harvard, IL 60033
815-943-4091
815-943-4094 (fax)
hangars@erect-a-tube.com
www.erect-a-tube.com

Erect-A-Tube, Inc. designs, engineers and manufactures electric bi-fold doors, bottom rolling doors, aircraft T-hangars and clear span hangars for the General Aviation and Business Jet markets. Utilizing the structural qualities of HSS tubing, a bridge-truss design was developed, providing minimal deflection, smooth operation of our bi-fold door system and flexibility in the building design. We provide a single-source product line with a fully integrated system, resulting in ease of construction.

**EZ Pay Buildings, LLC**

845 Claycraft Rd., Suite O
Gahanna, OH 43230
330-264-0833
330-202-7685 (fax)
ryan@ezpaybuilding.net
ezpaybuildings.net

Providing rent-to-own programs for sheds, carports, steel buildings, and more since 2005.

**Filc USA — makers of DRIPSTOP**

10118 Settlement House Rd.
Dayton, OH 45458
937-321-3000
937-999-3927
tony@dripstop.com
www.dripstop.com

For over 25 years DRIPSTOP has been the absolute best way of dealing with condensation on non-insulated metal roofs. It has been tried and tested in every climate condition across the globe and has

proven to be a simpler and more economical way. The membrane will absorb the water caused by condensation, thus preventing dripping from the roof. DRIPSTOP serves as an added layer of protection for the metal in corrosive environments while also improving inside and outside acoustic properties. Both impact and echo noises are reduced significantly. DRIPSTOP is factory applied during the panel production process and show up on the job site already installed on the panels. Saves Time and Money! Ask for both DRIPSTOP and STEEL SHIELD from your preferred panel provider.

**Garage, Shed & Carport Builder Show**

120 Doctor M.L.K. Jr. Blvd.
South Bend, IN 46601
715-252-6360 (Gary)
gary@shieldwallmedia.com
<https://www.constructionmagnet.com/garage-carport-shed-builder-show-home-page>
<http://bit.ly/GSCBShow>

The Garage, Shed & Carport Builder Show takes place Feb. 4-5, 2021 at the Century Center in South Bend, Indiana. This new show is all about small buildings and additions. Whether an add-on or a freestanding building, small buildings face unique design challenges. If you are looking for products catering to this niche or best practices, you should be in South Bend for the show. The show hotel is the Doubletree Hilton South Bend and the rate is \$99 per night! Conveniently, it is just 10 minutes from the South Bend International Airport (complimentary shuttle service is available) and is connected to the Century Center.

**Graber Post Buildings, Inc.**

7716 N 900 E
Montgomery, IN 47558
800-264-5013
812-636-4936 (fax)
info@graberpost.com
www.graberpost.com

Graber Post Buildings is recognized as a leading supplier and manufacturer of post frame building materials and components. At the ease of a phone call, we are able to process your order and deliver a complete package to your job site. Call us today or visit us online for a free quote!



Hawkeye Flat Roof Solutions LLC

1555 285th St.
Toledo, IA 52342
641-436-0407
roofseal24@gmail.com
hawkeyeflatroofsolutions.com



Hershey's Metal Meister

420 Progress Dr.
Mattoon, IL 61938
877-289-3030
217-234-4702 (fax)
info@hersheysmm.com
Discover the advantages of the Variobend USA folding machine! A unique hybrid of European design and American manufacturing; get the best of both worlds! Need parts? No need to look beyond the massive parts inventory at Hershey's! Call today to see how we can help you succeed!



Hixwood Metal Inc.

N14685 Copenhaver Ave.
Stanley, WI 54768
715-644-0765
715-644-0094 (fax)
www.hixwoodmetalinc.com

No matter the size of your project, Hixwood Metal has your back. Hixwood runs the largest and most efficient metal forming machines in the industry to provide you with the best quality panels, trim, and components. No one does metal like Hixwood: We stock more, bend faster, and cut more precisely. When you choose us, you get the best material in days — not weeks.

PerformMAX

Innovation Engineered Wood Products

Huber Engineered Woods

10925 David Taylor Dr., Suite 300
Charlotte, NC 28262
800-933-9220
704-547-9228 (fax)
Founded in 1883, the J.M. Huber Corporation has grown to be one of the largest family-owned companies in the U.S. We're now a global company with approximately 4,000 employees in more than 20 countries. The Huber Engineered Woods division is an innovation leader in the panel market and manufactures products such as Advantech, ZIP System and PerformMax.



identiGROW

10603 Port Republic Rd.
Port Republic, VA 24473
540-283-9193
540-283-9194 (fax)
sales@identigrow.com
www.identigrow.com
identiGROW provides a low cost connection to potential customers by providing custom plastic and metal nameplates to the shed and furniture industry. Your product is the best advertisement you can make, but all that advertising potential is lost if you don't identify your products!



Insulspan

9012 East US Hwy. 223
Blissfield, MI 49228
800-726-3510
info@insulspan.com
www.insulspan.com
Imagine a green building solution that creates high-performance building envelopes while increasing builder productivity and efficiency. The Insulspan® Structural Insulated Panel (SIP) Building System does just that. Beginning with an in-house team to support design, the SIPs are manufactured in a quality-controlled plant and shipped to your job site with everything you need to install the panels. An optional technical advisor is available to help during installation.



JOHNSON BROS. Roll Forming Co.

Johnson Bros. Roll Forming Co.

5744 McDermott Dr.
Berkeley, IL 60163
708-449-7050
708-449-0042 (fax)
info@johnsonrollforming.com
www.johnsonrollforming.com
Manufacturer of roll-formed metal products in all metals: U-channels, C-channels, hat channels, box and strut channels, angles, zeos, moldings, profiles, tracks, slides, purlins, louvers, slats, strips, panels, framing, rings, rims, ring clamps, and tubing: open seam, lock seam, split seam, in special shapes. 20+ lines. In-line fabrications 2,000-5,000 ft. minimums.



Leland Industries

95 Commander Blvd.
Toronto, ON M1S 3S9 Canada
800-263-3393
bnelson@lelandindustries.com
www.lelandindustries.com
Leland domestically 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 up to 8", #10, 12 and 14 diameter. Leland's fasteners are 100% 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.



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.

LP Outdoor Building Solutions®

LP Outdoor Building Solutions

414 Union St., Ste. 2000
Nashville, TN 37203

888-820-0325

customer.support@lpcorp.com

LP Outdoor Building Solutions is a unique collection of engineered wood building products designed specifically for use in sheds, barns and outdoor structures.



Malco Products, SBC

14080 State Hwy 55 NW
PO Box 400

Annandale, MN 55302

320-274-8246

320-274-2269 (fax)

custsvcs@malcotools.com

www.malcotools.com

Malco Products, SBC, based in Annandale, Minnesota, manufactures "tools of the trade" for professionals. These specialized tools are built to last, rigorously tested and backed by a limited lifetime warranty. Malco is proud to be employee-owned and a Specific Benefit Corporation in the state of Minnesota, a legal designation that indicates that a specific social benefit — employee ownership, keeping jobs local and strengthening communities — is the primary driver of Malco's business decisions.



Maze Nails

100 Church St.

Peru, IL 61354

800-435-5949

lisa@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.



Metal Rollforming Systems

4511 N. Freya St.

Spokane, WA 99217

888-284-6794

509-467-5631 (fax)

info@mrsrollform.com

www.mrsrollform.com

Metal Rollforming Systems designs, builds, and assembles industry leading roll-forming equipment. By controlling all processes in house we are able to offer the highest quality equipment at the most affordable prices. Established in 1993 we are a family owned and operated company with a proud history of offering the best service and solutions in the metal panel industry.



MFM Building Products Corp.

PO Box 340

Coshocton, OH 43812

800-882-7663

740-622-6161 (fax)

info@mfmmbp.com

www.mfmmbp.com

MFM Building Products manufactures exterior, self-adhering waterproofing membranes including low-slope roofing membranes, steep-slope roofing underlayments, window and door flashing tapes, above and below grade waterproofing, and specialty construction tapes. MFM was founded in 1961 and all products are manufactured in the USA.



MWI Components

1015 32nd Ave. West

Spencer, IA 51301

800-360-6467 Ext. 5

info@mwicomponents.com

www.mwicomponents.com

MWI is a leading manufacturer/supplier of post frame products. With 100+ steel colors, almost 30 aluminum colors and 50+ powder coat colors, the combinations are endless. Create beautiful buildings with MWI's cupolas, ridge-vents, soffit, trim, round/square track and accessories, and stall systems, and complete the aesthetic with Dutch or Sliding Doors. They also supply Uni-Vent®, sealants and retrofit products, and poly/PVC panels.



New Tech Machinery

A MAZZELLA COMPANY

New Tech Machinery

16265 E. 33rd Dr.

Suite 40

Aurora, CO 80011

303-294-0538

303-294-9407 (fax)

info@newtechmachinery.com

www.newtechmachinery.com

New Tech Machinery offers the world's finest portable roof panel and gutter machines including the MACH II Gutter Machine in various configurations as well as our new Nasser MultiPro Gutter Machine. Our roofing and wall panel machine offerings include the revolutionary SSQ II MultiPro Roof Panel Machine that can produce 15 different roofing/wall panel profiles and features optional notching and angle cutting capabilities.



Onduline North America

4900 Ondura Lane

Fredericksburg, VA 22407

540-898-7000

info@onduline-usa.com

www.us.onduline.com/pro

Founded in Virginia in 1976, Onduline North America, Inc. is a member of the International Onduline Group, a global leader in roofing materials and building products. Manufactured in the United States, TUFTEX Master Series provides quality corrugated polycarbonate and PVC panels for a variety of agricultural, industrial and professional plastics applications.



Petersen Aluminum Corp.

1005 Tonne Rd.

Elk Grove Village, IL 60007

800-PAC-CLAD

800-722-7150 (fax)

sales@petersenmail.com

pac-clad.com

Petersen, a Carlisle company, manufactures PAC-CLAD metal wall and roof systems in multiple gauges of steel and aluminum, including standing seam roof panels, hidden- and exposed-fastener wall panels, coil and flat sheet. All are available in 70% PVDF finish in 46 standard colors.



PPG TrueFinish Industrial Coatings

One PPG Place
Pittsburgh, PA 15272
866-PPG-TRUE
ppgtruefinish@ppg.com
ppgtruefinish.com
PPG offers more than world-class shed & barn coatings:

- Local stock, service and delivery in your area
- Shortened lead times means reduced stock on-hand
- On-site application training and local on-site support
- Pre-mixed and custom colors
- Touch-up aerosols and pens for transparent and solid colors
- One-stop shopping
- Color consultation and customized color tools
- Tool Shed newsletters with useful technical articles

We're with you every step of the process. Visit ppgtruefinish.com or call 1-866-PPG-TRUE



Prassas Metal Products, Inc.

1411 W. 190th St., Suite 360
Gardena, CA 90248
800-294-3427
310-217-4533
310-217-4530 (fax)
pmpsteel@yahoo.com
www.pmpsteel.com
Prassas Metal Products, Inc. (PMP Steel) is a 30-year-old steel trading and coated coil distributor, specializing in pre-painted and acrylic Galvalume coil. PMP Steel supplies coated coil to a wide variety of industry applications, such as residential roofing, metal buildings, carports, roll-up, and residential garage doors. We stock a full line of industry-standard colors for ValsparXL, Akzo1050, and a 40-year "Cool" SMP system. For shed and garage carport manufacturers, we stock 21 colors of 29 ga. Regular Polyester PPGL coil, along with a full range of Acrylic Galvalume coil thicknesses (22 ga.-29 ga.) and widths. Coil processing is available.



Qora Cladding

750 Edelweiss Dr. NE
Sugarcreek, OH 44681
301-223-2266
marketing@arcitell.com
www.qoracladding.com
Qora gives your portable buildings a premium look of stone cladding without the weight and hassle of traditional masonry products and installation methods. Easily install Qora over existing siding materials such as DuraTemp, Treated T-111, Metal, and LP SmartSide, for knee wall, accent wall, and wainscot applications. Because Qora Cladding comes in easy-to-handle 20" x 48" panels, it's designed to install with basic carpentry tools and fit together seamlessly with disguised joints.



rFOIL / Coverttech Flexible Packaging

279 Humberline Dr.
Toronto, ON M9W 5T6 Canada
416-798-1340
416-798-1342 (fax)
johnstarr@coverttechfab.com
www.rfoil.com
rFoil reflective insulation is designed to reduce radiant heat gain/loss and control interior condensation in metal and metal clad buildings. rFoil reflective insulation is a layer of polyethylene bubbles bonded to and sandwiched between a radiant barrier metalized foil and a white polyethylene sheet. rFoil is a Class 1, Class A fire rated product.



Roll Former Corporation

140 Independence Ln.
Chalfont, PA 18914
215-997-2511
215-997-5544 (fax)
info@rollformercorp.com
www.rollformercorp.com
Since 1978, Roll Former Corp. has produced "standing seam" machinery for the metal roofing industry. For 30 plus years we have also been designing and manufacturing custom profile roll forming machinery.



Shed Suite

710 Rellim Ln.
Sarasota, FL 34232
941-228-2567
sales@shedsuite.com
www.shedsuite.com
Shed Suite is an order management software for portable shed manufacturing and retailing companies. Shed Suite provides a modern web-based app that allows dealer, drivers, and admins to process and track orders through your shed company. No more digging through the file cabinet to locate an order, just log in to Shed Suite.



Sioux Steel Company

PO Box 1265
Sioux Falls, SD 57101
605-336-1750
605-357-8597 (fax)
info@siouxsteel.com
www.siouxsteel.com
ProTec Buildings provide natural lighting and superior ventilation. You can use these buildings for any type of storage, including livestock shelters and grain storage! They are also the perfect solution for storing equipment or hay. ProTec Buildings offer unbeatable strength and durability and are engineered to meet the needs of large operations. With ProTec Buildings, you get a one-of-a-kind design manufactured right here in the USA!



Reed's Metals

19 E. Lincoln Dr. NE
Brookhaven, MS 39601
1-800-581-4645
kblanton@unioncorrugating.com
www.reedsmetals.com
Reed's Metals, headquartered in Brookhaven, Mississippi, is one of the largest providers of metal roofing systems, metal roofing panels, pole barns, and pre-engineered steel buildings in the South. Reed's is comprised of 9 sites utilizing state-of-the-art technology and fabrication methods to provide unprecedented quality and service, — offering same-day availability on standard roofing orders and in-stock supplies, on-site roll-forming for standing seam projects, and job-site delivery within 72 hours on most products. For more information follow us on social media #reedsmetals or visit www.reedsmetals.com.

**SmartPay Rentals, LLC**

PO Box 322
Leola, PA 17540

717-556-0155

888-506-2081 (fax)

info@smartpayrentals.com

www.smartpayrentals.com

Einstein once said, "Everything should be made as simple as possible, but no simpler. Here at SmartPay, we believe that quote. Our vision is to provide the most simple rent-to-own service available in our region and to develop long-standing relationships with those we interact with. We provide outstanding customer service and add value to our dealers by providing marketing tools, business consulting and easy to use RTO services.



ST Fastening Systems

6357 Reynolds Rd.

Tyler, TX 75708

randy.floyd@hillmangroup.com

www.stfasteningsystems.com

ST Fastening Systems manufactures steel-frame and post-frame fasteners for agricultural, industrial, commercial and residential metal roof and sidewall applications. Product strengths are drill point quality and corrosion resistance, as shown by the WOODBINDER MB drill point and ZXI zinc-aluminum alloy molded head. Both are enhanced by a powder coating paint system. Solid and vented closure strip systems, pipe flashings and other accessories round out the product line.

**Starwood Rafters, Inc.**

W24141 Starwood Ln.

Independence, MO 54747

715-985-3117

lamply@trivest.net

Starwood Rafters' laminated wood products include Lam-Ply Truss, their most popular product. It combines plywood with glulams and dimensional lumber.

**Stockade Buildings Inc.**

1543 State Hwy 91

Oran, MO 63771

573-262-3592

573-262-3163 (fax)

system@stockadebuildingsinc.com

stockadebuildingsinc.com

Stockade Buildings celebrating 45 years of providing quality pre-engineered building packages and award-winning services to our Authorized Builders! For the agricultural, equestrian, commercial, industrial and the housing market. Stockade has the pre-engineered system with the design flexibility for success!

**Symun Systems, Inc.**

3469 Pierson Place, Ste B

Flushing, MI 48433

810-230-8920

810-230-8926 (fax)

mike@symun.com

www.symun.com

Symun Systems, Inc.™, the makers of Construction Maestro®, combines the experience of a 28-year veteran post-frame contractor with 24 years of programming experience by a Microsoft® Certified Professional to create the leader in post frame and garage design and estimating software for lumber retailers and builders across North America.



Your Roof. For Life.™

Union Corrugating Company

701 S. King St.

Fayetteville, NC 28301

888-685-7663

kblanton@unioncorrugating.com

www.unioncorrugating.com

Today, Union Corrugating Company, based in Fayetteville, N.C., is an industry leader serving the residential, commercial, and agricultural roofing and siding markets from 10 manufacturing facilities located throughout the central and eastern US. We're continually striving to manufacture metal roofing and metal siding/panels that are more durable, efficient, and sustainable. Our unique distribution system allowed us to grow rapidly from our roots in the Southeast by providing the fastest and most reliable deliveries in the industry. Our support network ensures you'll get what you need, when you need it. Follow us on social media

#unioncorrugating or visit us on-line at www.unioncorrugating.com

**Union Grove Lumber**

131 Lumber Dr.

Harmony, NC 28634

704-539-5506

704-539-5088 (fax)

sammy@uniongrovelumber.com

www.uniongrovelumber.com

Union Grove Lumber is defined by lumber intentionally distributed to shed builders throughout North America. Our experienced team has 30+ years focused on innovative, quality lumber products specifically for the shed industry. Every customer receives personalized attention from the moment the phone rings to the day the product is delivered. From notched runners (skids) to European premium studs, flooring to siding, Union Grove Lumber has you covered.

**Ventco, Inc.**

115 Lismore Ave.

Glenside, PA 19038

833-300-9515

215-887-7975 (fax)

mrotter@ventcoinc.com

www.profilevent.com

ProfileVent® by Ventco® is a single-layer ridge vent designed for metal roofs, available in rolls of 20, 50 and 100 feet. It's a strong, durable modified polyester, non-woven, non-wicking fiber-based matting, designed specifically for metal roofs. ProfileVent is specifically cut to fit more than 50 metal roofing profiles, more than any other ventilation system manufacturer and comes with a 40-year limited warranty. Its design prevents compressing the ridge vent material, reducing net-free area after installation.

**Wick Buildings, Inc.**

405 Walter Rd.

Mazomanie, WI 53560

855-438-9425

www.wickbuildings.com

With the sale of over 75,000 buildings since its founding in 1954, Wick Buildings is one of the nation's largest producers of post-frame buildings. Wick buildings are wood-frame structures covered with steel panels and/or exterior materials such as brick, block and other types of siding and roofing materials. Working from our production facility in Mazomanie, Wisconsin, we provide the following services: design and engineering, fabrication and shipping, construction.

DOORS • WINDOWS ACCESSORIES



AceClamp by PMC Industries, Inc.

87 Spring Lane
Plainville, CT 06062
860-351-0686
info@aceclamp.com
www.aceclamp.com

AceClamp® manufactures fast-installing, precision-engineered snow retention for SSMR, membrane, asphalt, tile, and slate roofing. AceClamp® systems also help stop falling ice with our convenient and easy-to-install ice guard attachments. Our unique clamping systems are compatible with almost any type of metal, membrane, slate, and asphalt roofing. Our patented non-penetrating "slide-pin" metal roofing clamp eliminates the need for set screws, helping to protect the metal roofing panel's finish from damage.



A.J. Manufacturing, Inc.

1217 Oak St.
Bloomer, WI 54724
800-328-9448
715-568-3099 (fax)
info@ajdoor.com
ajdoor.com

A.J. Manufacturing, Inc. builds high quality steel walk doors and vinyl windows with EZ-v™ trim and flashing. A.J. doors are pre-hung in steel, aluminum or stainless steel frames with 4" x 4.5" fixed pin or ball bearing hinges for 4-way universal swing even with a foamed in place door lite or a deadbolt bore. The 1-3/4" doors are polyurethane foam injected for an R12 insulating value.



ASTA America by Janus International

638 Cassville White Rd. NW
Cartersville, GA 30121
800-423-0659
770-974-2600
770-974-1455 (fax)
marketing@astaamerica.com
ASTAAmerica.com

ASTA America is your trusted provider for rolling steel and commercial sheet doors in the commercial and industrial markets. We offer a full-line of rolling steel doors in every size, model and option in the book. Our products range from service doors to fire rated doors, counter shutters and more. While our company has expanded and our product offering has evolved over the years, our unwavering dedication to the quality of our products and commitment to unsurpassed customer service remains steadfast.



Delden Garage Doors

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

Delden Manufacturing Company, or more commonly referred to as Delden Garage Doors, is a wholesale garage door manufacturer and distributor. Delden is known for their "Experience the Quality" reputation, multi-line garage door distribution and custom garage door manufacturing. Delden supplies North America's Midwest region with garage doors, electric openers, parts and accessories through five door centers: Kansas City, St. Louis, Springfield, Central Missouri and Des Moines, Iowa.



DoorBrim Rain Diverters

15751 Sheridan St.
Fort Lauderdale, FL 33331
754-400-1357
admin@doorbrim.com

<https://doorbrim.com>

DoorBrim manufactures affordable rain diverters made from recycled ABS plastic. A smart solution for protecting doors, windows and hardware from Mother Nature. A dripless front gutter diverts water to keep doorways dry while preventing rust and decay. Great for preventing leaks on unprotected doors and windows. DoorBrims are easily installed in minutes with a few ordinary tools, comes in three UV-protected colors and are paintable. Made in the USA.



E-Z-Gutter Guard by Midwest Enterprises

1 Wagner Dr.
PO Box 189
St. Clair, MO 63077
800-748-7736
636-629-3177 (fax)
sales@e-zgutter.com
www.E-ZGutter.com

With 20 profiles, E-Z Gutter Guards by Midwest Enterprises has the product for any gutter protection job or installers preference. As a wholesale manufacturer for over 30 years we have the experience and common-sense products to service any distributor nationwide. Go to www.e-zgutter.com to see all of our products and find your nearest distributor.



GutterBrush Simple Gutter Guard

855 Aquidneck Ave. #6
Middletown, RI 02842
888-397-9433
info@gutterbrush.com
www.gutterbrush.com

Unique sizes available for garages, carports and sheds. GutterBrush is the simple, affordable gutter guard guaranteed to keep gutters flowing. Quickest installation requiring no tools, fasteners or cutting. No interference with existing roof or gutters. Available in 5 diameters (3.25" - 8.0") for just about any residential, commercial or industrial gutter sizes. Request your free samples today! Made in the USA. Performance and satisfaction guaranteed. Discounted pricing and free shipping for builders.



Haas Door Company

320 Sycamore St.
Wauseon, OH 43567
419-337-9900
419-337-9932 (fax)
info@haasdoor.com

Sleek with a contemporary flair or traditional in a carriage house style, Haas Door creates a wide variety of aluminum and steel garage doors in eight product lines. An abundance of options include woodgrains, anodized colors, powder coated colors along with privacy and clear glass choices. Made in Ohio, the garage doors come with energy efficiency and impact resistant glass options. Use HaasCreate.com to see how different doors look on your garage or shed.



I-Beam Sliding Doors

1000 E US Rte. 24
Chenoa, IL 61726
815-945-3667
815-945-7073 (fax)
info@ibeamdoor.com
ibeamdoor.com

Sliding doors with Ultra Guide Track & Trolley System. Heavy duty 6000 lbs. capacity and 115 mph wind rated. Fully adjustable: up-down, in-out. Never drag, bind or come out of adjustment. Aluminum-frame doors with easy latches. Plus, Incredible Swing Doors! Electric screw-jack lift for ultimate safety. Aluminum frame, fully automated door system. Easy retro-fit.



Innovations Manufacturing

4555 Grape St.
Denver, CO 80216
303-321-0945
303-388-6233 (fax)
Adrien@im-inc.com
www.im-inc.com

Innovative IM Ramp System allows planks to be adjusted, removed or left in place. We have developed a series of shed products that have become very popular within the shed building industry. Contact one of our sales reps to learn how our products can help your manufacturing processes.



Kevmar Manufacturing

188 E CR 600 N
Arthur, IL 61911
217-543-2828
217-543-3323 (fax)
sales@kevmarmfg.com
kevmarmfg.com

Kevmar Door is a manufacturer of specialty garage doors. Our products are sold across the US and Canada, with deliveries via company trucks in the Midwest. The Kevmar product line includes a high value line of pan type stamped steel doors for the shed industry.



Midland Door Solutions
1021 7th St. NE
West Fargo, ND 58078
701-277-8836
701-277-8961 (fax)
midlanddoorsolutions.com

Midland Door Solutions is the unparalleled leader in the design, manufacturing and installation of bi-fold and hydraulic doors. Since 1995, Midland has been providing solutions to customers' big door needs. Along with state-of-the-art manufacturing, Midland offers turnkey installation on all doors. This allows the builder to do what they do best: "construct buildings." As a total solution provider, we are personally there every step of the way to design your door, install it and make sure it keeps working for years to come. We guarantee the best customer service and lowest total cost of ownership within the industry.



Novagard

5109 Hamilton Ave.
Cleveland, OH 44114
800-380-0138
216-881-8111
216-881-6977 (fax)
novagard@novagard.net
www.novagard.com

Novagard is a leading-edge silicone, hybrid, and foam company providing products for building construction professionals for over 35 years. NovaFlex Metal Roof Sealant, a neutral cure silicone sealant, has excellent adhesion to all types of metal, provides permanent flexibility, and does not shrink or crack. It can be used on metal roofs, panels, and gutters. Novagard is a privately held Women's Business Enterprise and is certified WBE & WOSB, proudly manufacturing in Cleveland, Ohio.



Plyco Corporation

PO Box 386
500 Industrial Dr.
Elkhart Lake, WI 53020
800-558-5895
tgranitz@plyco.com
www.plyco.com

For over 50 years Plyco has been a leading supplier of products to the post-frame, metal clad building and commercial construction industries. Plyco manufacturers and/or distributes a wide variety of products including metal doors, windows, horse stall systems, ventilation products, fasteners and more. For many customers, we provide one-stop shopping for a majority of their building component needs.



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.



Royal Crowne Cupolas

4 Township Dr.
Paradise, PA 17562
717-288-2630
info@royalcrowne.com
www.royalcrowne.com

Royal Crowne Cupolas' cupola selection features maintenance-free cellular PVC-vinyl cupolas, Western red cedar cupolas, copper cupolas, premium grade white pine cupolas and metal cupolas. We have standard cupola and custom cupola sizes for any application. We stock weathervanes and finials in dozens of designs and sizes to provide that finishing touch to any rooftop, turret, or cupola. Royal Crowne is a wholesale manufacturing company that caters to trade professionals, lumberyards, and retailers nationwide. Our cupolas and outdoor decor have been manufactured and shipped to many locations worldwide.



Safe-Way Garage Doors LLC

3814 E. US 30
Warsaw, IN 46580
574-267-4861
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, Ind., Safe-Way Door also operates facilities in Tennessee and Missouri with distribution throughout North America and Canada. Residential and commercial doors are available in multiple configurations including polyurethane and polystyrene insulated, un-insulated and up to 11 colors in steel, and multiple powder coat colors in aluminum.



Shed Windows and More, Inc.®

9326 Hwy. 90
Longs, SC 29568
843-399-1820
843-399-1826 (fax)
thomas@shedwindowsandmore.com
https://shedwindowsandmore.com
Shed Windows and More has been supplying DIY builders and small construction companies with windows, decorative windows, doors, shutters, flower boxes, cupolas, and skylights, since 2001 specific to small outdoor buildings such as sheds, playhouses, and chicken coops. Since 2017 they have expanded their building supplies to include double pane windows, garage windows, prehung fiberglass and steel doors, decorative inserts for doors, steel roll-up doors, access doors, pediments, brackets, and columns.



Trac-Rite Door

314 Wilburn Rd.
Sun Prairie, WI 53590
800-448-8979
shajewski@tracrite.com
www.tracrite.com
Roll-up door manufacturer.

FOUNDATIONS



AG-CO LLC

701 W State St.
Saint Johns, MI 48879

800-522-2426
paul@ag-co.com
footingpad.com, ag-co.com
FootingPad post foundations are the only tested and certified code compliant footings for posts and columns. Easy to transport and use, FootingPad saves valuable time and increases profits. AG-CO polyurethane cupolas are easy to install and available in thousands of color combinations. Long lasting fade resistant colors are not a coating but are integrated throughout the material. Having only three pieces (bottom, top and weathervane) speeds installation. See more at ag-co.com



Best Products

7407 N Kickapoo Edwards Rd.
Edwards, IL 61528
309-589-7949
309-370-3014
pehnle@midwestpermacolumn.com
www.midwestpermacolumn.com
Manufacturer and Distributor of the ICC Certified Precast Concrete Perma-Column, Precast Deck Post, Foundation Pads, Laminated Wood Columns and Sturdi-Wall (concrete anchor brackets) lineup. If you're interested in getting wood out of the ground, we have you covered, including the just-released Adjustable Precast Center Post Guide. In addition to the Perma-Column and concrete anchor brackets, we have a full line of foundation pads (concrete and composite), laminated wood columns (nail and glulam) and hardware accessories to get your building projects on a firm foundation.



Perma-Column LLC

400 Carol Ann Ln.
Ossian, IN 46777
260-622-7190
Mark.Stover@permacolumn.com
www.permacolumn.com
Since 2003, Perma-Column® has become a leading supplier for alternative foundations in post-frame construction. ICC-Certified Perma-Column® posts 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 ICC-Certified Sturdi-Wall® product 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.



Green Post™

Planet Saver Industries

1564 Main St.
East Earl, PA 17519
610-377-3270
www.planetsaverind.com
Green Post from Planet Saver Industries is an affordable, all-in-one solution for in-ground post decay, treatment retention, and uplift restraint. Green Post's double-layer wrap is factory heat-sealed to the lumber and delivered ready to install with uplift restraint notches. When used with cement, this technique provides maximum anchorage characteristics, resisting post withdrawal generated by wind load. It is nontoxic, environmentally friendly, and termite-tested.



Plasti-Sleeve / Homework Design Inc.

26740 Hwy. 169
Zimmerman, MN 55398
763-856-5555
www.plastisleeve.com
With more than 20 years in production, the original Plasti-Sleeve is a leader in post protection for buildings, offering economical, versatile and easy slide-on installation for 20 different post sizes. Made in the USA from the highest quality black HDPE plastic, Plasti-Sleeve offers unparalleled in-ground durability. Also available is PlastiSkirt, an economical, easy-to-use, plastic skirt-board protector available for 2 x 8 and 2 x 6 skirt boards.



Post Protector

PO Box 187
Pottsville, PA 17901
570-624-7030
570-624-7031 (fax)
ken@postprotector.com
www.postprotector.com
Everyone knows that wood in 'ground-contact' is NOT the optimum environment for maximum longevity performance. The attractive, easy-to-install, slide-on Post Protector and snap-on 'compression fit' Skirt-Board Protector retain the speed, simplicity, affordability, and strength that IS traditional post frame, while eliminating all ground-contact. Brilliant! Builders who offer their customers the option for Post Protector products say an impressive 60-70% purchase this sensible foundation protection system. While others prudently make the system standard so that every customer benefits from this obvious and substantial foundation improvement!

STAY ON TOP

OF THE RURAL CONSTRUCTION INDUSTRY!

Each issue of *Rural Builder* and *Frame Building News* delivers news and information created specifically for the rural construction and post-frame industries.

If you're 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. You'll also learn about the best practices successful contractors use to improve their productivity and profitability.

Your satisfaction is guaranteed; *Rural Builder* and *Frame Building News* are **FREE** to suppliers and construction trade professionals.

START YOUR FREE SUBSCRIPTION TODAY!



SCAN CODE
TO SUBSCRIBE



SUBSCRIBE: www.constructionmagnet.com/subscribe or see the subscription card in this issue

ADVERTISING: Gary Reichert, gary@shieldwallmedia.com • 715-252-6360

EDITORIAL: Karen Knapstein, *Rural Builder*, karen@shieldwallmedia.com • 715-513-6767

Jessica Franchuk, *Frame Building News*, jessica@shieldwallmedia.com • 920-224-5146



GARAGE • SHED • CARPORT BUILDER SHOW

CENTURY CENTER • SOUTH BEND, INDIANA
FEBRUARY 4-5, 2021

PRESENTED BY SHIELD WALL MEDIA,
PARENT COMPANY OF GARAGE, SHED & CARPORT BUILDER MAGAZINE

SPONSORED BY:



FOR MORE INFORMATION CONTACT GARY REICHERT:
gary@shieldwallmedia.com • 715-252-6360

PRODUCT PROFILES

SUPPLIES AND SOLUTIONS FOR THE RURAL BUILDER

TABLE OF CONTENTS

39 Building Packages
40 Decorative Elements
41 Walk Doors / 42 Garage Doors
43 Fasteners & Adhesives
45 Foundation & Truss Products
46 Insulation, Moisture Control, Ventilation

49 Miscellaneous
50 Paints, Stains, Coatings
52 Roof & Wall Panels, Siding
55 Snow & Rain Management
56 Tools, Equipment, Machinery
58 Windows, Skylights, Daylighting

BUILDING MATERIALS

SUPPLIES & SOLUTIONS

FEATURED PROFILE



Shed Windows and More, Inc.

Shed Windows and More features pediments, brackets and columns both as decorative features, architectural and construction elements for home construction. DIY builders and small construction companies have been relying on Shed Windows and More for over a decade as their go-to source for quality building materials at incredible prices. Our building materials are of the highest quality, backed with 5-star customer service, excellent Google reviews, and quick shipping.

www.shedwindowsandmore.com



Prassas Metal Products Inc.

PMP Steel is a 30-year-old steel trading and coated coil distributor, specializing in pre-painted galvalume coil intended for a variety of industry applications; including residential doors. PMP Steel maintains coil distribution centers at Savannah, Georgia and Tampa, Florida. PMP Steel stocks ValsparXL, Akzo1050, Generic SMP-Cool PPGL, 29 gauge x Regular Polyester PPGL, and Acrylic Galvalume (29 gauge-22 gauge) in a wide range of widths.

www.pmpsteel.com



Union Grove Lumber

Union Grove Lumber is defined by lumber intentionally distributed to shed builders throughout North America. Our experienced team has 30+ years focused on innovative, quality lumber products specifically for the shed industry. Every customer receives personalized attention from the moment the phone rings to the day the product is delivered. From notched runners (skids) to European premium studs, flooring to siding, Union Grove Lumber has you covered.

www.uniongrovelumber.com



Huber Engineered Woods

PerformMAX® engineered wood products are manufactured to be stronger and more dimensionally stable than plywood. Utilizing advanced resin technology to create a water resistant panel, PerformMAX lies flatter with incredible stiffness. Perfect for meeting your shed floor expectations.

huberwood.com

BUILDING PACKAGES

SUPPLIES & SOLUTIONS



CHIEF Buildings

CHIEF Buildings is one of the largest family-owned metal building manufacturers in the United States, operating since 1954. It prides itself on producing quality products and providing unparalleled personal attention to meeting the needs of its customers. For farm or commercial use, CHIEF Buildings promises to deliver: "Trusted. Tested. True."

www.chiefbuildings.com



Erect-A-Tube, Inc.

Erect-A-Tube, Inc. designs, engineers and manufactures electric bi-fold doors, bottom rolling doors, aircraft T-hangars and clear span hangars for the General Aviation and Business Jet markets. Utilizing the structural qualities of HSS tubing, a bridge-truss design was developed, providing minimal deflection, smooth operation of our bi-fold door system and flexibility in the building design. We provide a single-source product line with a fully integrated system, resulting in ease of construction.

www.erect-a-tube.com



Sioux Steel Company

ProTec Buildings, a division of Sioux Steel Company, offer a solution for any operation by providing natural lighting and superior ventilation. The buildings can be used for any type of storage, including livestock shelters and grain storage. They are also the perfect solution for storing equipment or hay. ProTec Buildings offer unbeatable strength and durability and are engineered to meet the needs of large operations. With ProTec Buildings, you get a one-of-a-kind design, manufactured right here in the USA!

www.siouxsteel.com



Stockade Buildings, Inc.

Stockade Buildings celebrating 45 years of providing quality pre-engineered building packages and award-winning services to our Authorized Builders! For the Agricultural, Equestrian, Commercial, Industrial and the Housing market. Stockade has the pre-engineered system with the design flexibility for Success!

www.stockadebuildingsinc.com



Reed's Metals

Reed's Metals, headquartered in Brookhaven, Mississippi, is one of the largest providers of metal roofing systems, metal roofing panels, pole barns, and pre-engineered steel buildings in the South. Reed's is comprised of nine sites utilizing state-of-the-art technology and fabrication methods to provide unprecedented quality and service. Among Reed's offerings are pre-engineered metal buildings, rigid frame buildings, Galv-Econ buildings, post-frame structures, mini storage buildings and LX Tube Building Structures.

www.reedsmetals.com



Wick Buildings

With the sale of over 75,000 buildings since its founding in 1954, Wick Buildings is one of the nation's largest producers of post-frame buildings. Wick buildings are wood-frame structures covered with steel panels and/or exterior materials such as brick, block and other types of siding and roofing materials. Working from our production facility in Mazomanie, Wisconsin, we provide: design and engineering, fabrication and shipping, and construction.

www.wickbuildings.com

DECORATIVE ELEMENTS

SUPPLIES & SOLUTIONS



MWI Components

When choosing the icing for your cake, you make sure it is perfect. When you put a cupola and weathervane on your building, are you getting the same satisfaction? Choose MWI, and you will! MWI's cupolas are available in over 100 standard colors plus Kynar. 24", 36" & 48" square cupolas ship knocked-down; 66" square, 48" octagon & 84" octagon cupolas ship assembled. Aluminum or copper weathervanes are available in varying sizes and styles. Visit our website or call 800.360.6467 to learn more!

www.mwicomponents.com



AG-CO LLC

Cupolas by AG-CO are easy to install (only 3 pieces, including weathervane), low maintenance and economical. The cupolas come in 13 different top colors, 13 bottom section colors and 15 different weathervanes. With thousands of combinations, your customers are sure to get a unique and attractive addition to their building!

www.ag-co.com



Plyco Corporation

Plyco Corporation's line of cupolas, available in 2', 3', and 4' sizes, adds a finished accent to any building project along with ventilation control. Featuring sides with louvers or windows, the cupolas can be constructed with flat or curved roofs, in colors that match most industry options. Designed to assemble quickly on the job site, Plyco cupolas have a premium base option that eliminates the need to build a wooden base. Cupolas are also offered with a textured finish and a variety of weathervane options.

www.plyco.com



Royal Crowne Cupolas

Royal Crowne is a cupola manufacturer located in Paradise, Pennsylvania. Our cupolas are made with either cellular PVC (vinyl) or Western red cedar. We offer many styles in sizes 18" to 72" square. Our cupolas are a beautiful complement to your home, barn, garage, carport, or shed. Royal Crowne Cupolas can also provide ventilation or lighting to your building, and are a perfect Crowne for your building!

www.royalcrowne.com



Shed Windows and More, Inc.

Shed Windows and More specializes in decorative elements such as shutters, flower boxes, and cupolas that are the specific sizes needed for outdoor buildings such as sheds, garages, barns, playhouses, and chicken coops. We also offer shutters, flower boxes, and cupolas that are sized for residential installation. Our decorative elements are of the highest quality, backed with 5-star customer service, excellent Google reviews, and quick shipping.

www.shedwindowsandmore.com

**GARAGE • SHED • CARPORT
BUILDER
SHOW**

**CENTURY CENTER;
SOUTH BEND,
INDIANA**

FEB. 4-5, 2021

**PRESENTED BY
SHIELD WALL MEDIA,
PARENT COMPANY OF GARAGE, SHED
& CARPORT BUILDER MAGAZINE**

**FOR MORE INFO
CONTACT
GARY REICHERT:
gary@shieldwallmedia.com
715-252-6360**



Shed Windows and More, Inc.

Shed Windows and More specializes in doors that are the specific sizes needed for outdoor buildings such as sheds, garages, barns, playhouses, and chicken coops. Starting in 2019 we also started featuring garage doors, roll-up steel doors, fiberglass and steel pre-hung doors, and decorative glass inserts for doors. All doors are processed in house. Our doors are of the highest quality, backed with 5-star customer service, excellent Google reviews, and quick shipping.

www.shedwindowsandmore.com



Extrutech Plastics, Inc.

Extrutech All Weather Doors are corrosion proof, bright white, with a smooth flat 1-3/4" thick PVC door panel and solid PVC frame with a weather strip sealed edge. They are available as single and double doors, in standard or custom sizes, as well as replacement door panels to fit existing frames. For use in high moisture, salty, acidic areas where corrosion may be a problem, or for controlled environments such as car washes, dairies, laboratories and more.

www.epiplastics.com



Plyco Corporation

If you're looking for a commercial, residential or agricultural door, Plyco has the right door for your construction projects. Contractors rely on Plyco for a comprehensive line of durable walk doors that meet today's building codes. Plyco offers pre-hung service doors individually packaged, pre-drilled for lock set, and insulated with injected polyurethane foam. Plyco walk doors are perfect for post frame, metal frame and commercial buildings.

www.plyco.com



A.J. Manufacturing

A.J. Manufacturing builds high quality steel walk doors. Options include pre-painted white, clay, bronze or brown panel and frame, or fully stainless steel doors. A.J. doors are pre-hung in steel, aluminum or stainless steel frames with 4 x 4.5" fixed pin, or ball bearing hinges for 4-way universal swing, even with a foamed-in-place door lite or a deadbolt bore. The 1-3/4" doors are polyurethane foam injected for an R-12 insulating value.

www.ajdoor.com



MWI Components

MWI's doors will make the impression you strive for. Choose from thousands of color combinations for your Bale, Dutch or Arcadian Sliding Doors. MWI's completely galvanneal substrate doors come in double cross-buck or half-light options; the company also offers sliding doors in fully assembled or kit form. Finish your look with the Arcadian Sabre Slim, an exterior lockable, polished, chrome-plated handle. The keyed entry on 1-1 1/2" Split Sliding Arcadian Doors and interior latch functions will make your doors the talk of the industry!

www.mwicomponents.com



Silvercraft

Silvercraft is the home of pre-assembled aluminum Dutch and sliding doors. These premium doors are available for any equine facility or hobby building. Silvercraft also manufactures bi-fold doors, walk doors, and other products for the poultry and agricultural building industries.

574.825.8757

GARAGE DOORS

SUPPLIES & SOLUTIONS



ASTA America

ASTA America is your trusted provider for rolling steel and commercial sheet doors in the commercial and industrial markets. We offer a full-line of rolling steel doors in every size, model and option in the book. Our products range from service doors to fire rated doors, counter shutters and more. While our company has expanded and our product offering has evolved over the years, our unwavering dedication to the quality of our products and commitment to unsurpassed customer service remains steadfast.

www.astaamerica.com



Safe-Way Door

Safe-Way Door is a leading manufacturer of quality residential, commercial and industrial overhead garage doors in steel, wood and aluminum. Doors are available in multiple configurations including polyurethane and polystyrene insulated, uninsulated and up to 10 colors in steel and multiple powder-coat colors in aluminum. Commercial door sizes are available in all of the panel designs. Pictured is the Regency Model 70 in the new Driftwood Grey.

www.safewaydoor.com



Kevmar Garage Doors

Kevmar Door is a manufacturer of specialty garage doors. Our products are sold across the U.S. and Canada. With deliveries via company trucks in the Midwest. The Kevmar product line includes a high value line of pan type stamped steel doors for the shed industry.

www.kevmarmfg.com



Trac-Rite Door

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 delivered with uncompromising service.

www.tracrite.com



Midland Door Solutions

Midland Door Solutions is the unparalleled leader in the design, manufacturing and installation of custom bifold and hydraulic doors. Our doors can be designed to accommodate any facade to compliment your building aesthetics. 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.

www.midlanddoorsolutions.com



I-Beam Sliding Doors

Quality heavy duty wind rated doors with minimal moving parts, engineered components, and maintenance free for decades of operation. The only pre-engineered wind rated sliding door available with reputation unsurpassed to back it up. Outstanding heavy duty hardware, Ultra Glide trolleys, auto locking assemblies, EZ locking latches, pre-cut and drilled frames, for easy job site assembly. Don't risk your reputation by using un-engineered, non-wind rated components on the most vulnerable part of the building.

www.ibeamdoor.com



Maze Nails

Maze is the exclusive manufacturer of Stormguard double hot-dipped galvanized nails with a lifetime warranty against rust. Maze offers a full line of specialty nails in bulk for hand driving and in collated sticks and coils for popular pneumatic nailers. Maze also offers painted rubber washer nails for corrugated roofing and siding. Maze post-frame nails meet the all-important ASTM F 1667 specification. In addition, Maze manufactures nails for fiber cement siding products, cedar and redwood sidings, fencing, decking and roofing.

www.mazenails.com



ST Fastening Systems

Woodbinder® fastening systems advance the thermal qualities, moisture control, and structural integrity of the building envelope, increasing the life cycle and value of metal buildings. ST's Dual Solution Engineering is designed to match your roofing systems with both Kwikseal® MB professional and ZXL™ long-life (40-year warranty) solutions. The long-life ZXL is the only molded ZAMAC head with an encapsulated EPDM sealing system featuring a multi-layer barrier coating. The DursealPlus® clear and the Powderful™ powder coating delivers three times the UV/ Rust protection of wet paint. The Woodbinder #12 T-17, the OSB Screw added to the system last year to address the need for greater strip out strength in OSB board, is also available in both a professional and long-life ZXL version.

www.stfasteningsystems.com



Direct Metals Inc.

Direct Metals Inc. (DMI) is a fastener manufacturer and master distributor of a wide range of building fasteners engineered for the metal roofing and post-frame building markets. DMI has a full line of post-frame fasteners, panel clips, clip fasteners, pipe flashings, ventilation and a full line of metal roofing accessories.

www.directmetalsinc.com



Dynamic Fastener

Dynamic Fastener offers same day shipping of screws, anchors, flashings, safety equipment, hand tools, power tools and Dyna-Guard Snow Retention System. Available in-house painting of screws and rivets, with one- or two-day lead time. The company's free 140-page, full-color tool and fastener hand guide provides engineering data and details in addition to product offerings.

www.dynamicfastener.com



Triangle Fastener Corp.

Panel-Tite metal-to-wood screws includes TFC's patent-pending Burr-Buster thread that reduces burrs and provides better resistance to back-out. Choose from #9, #10, #12, and #14 diameter screws in carbon steel or stainless steel. For more than 40 years, Triangle Fastener Corporation has specialized in supplying hard-to-find fasteners, sealants, tools and accessories for construction. TFC offers job-site support, and can help you select the correct fastener for your application from any of 23 locations.

www.trianglefastener.com



East Coast Fasteners

East Coast Fasteners produces durable fasteners for all combinations of building materials. The Ply-Lo Extreme line of fasteners is designed for extreme environments. The Ply-Lo Driller is the latest innovative addition to the company's fastener line, designed to save contractors time and money. The patented Ply-Lo Driller features a design intended to be more forgiving than other fasteners. This means the tip is designed to reduce the likelihood of "walking" when fasteners are driven at a slight angle. Less walking means quicker and easier installation as well as a reduction in material damage and waste. The East Coast has fasteners available in colors to match virtually any panel in lengths of 1", 1-1/2", 2", 2-1/2" and 3".

www.plyco.com



Ace Clamp by PMC Industries, Inc.

Color Snap® rail type snow guards allow you to insert a strip of roofing material into a groove on the snow rail, matching the rail color to your roofing material. Available in single rail configurations, it's suitable for areas with moderately heavy snow loads. Color Snap utilizes AceClamp's® fully-assembled, patented slide-pin designed clamps that help safeguard the powdercoat. Complete your installation in a snap with "snap-in" Ice Flags — a first of its kind on the market.

www.aceclamp.com



S-5!

The S-5-NH 1.5 clamp is designed specifically for 1-1/2" nail strip profiles with a wider horizontal (base) dimension ($\geq 0.475"$ and $\leq 0.800"$) and is an ideal mounting solution for VicWest Prestige, NewTech FF150 and similarly-dimensioned profiles. Featuring an innovative reversible "hinge" insert that forms to the shape of the seam to prevent damage, the NH 1.5 allows for a superior fit on these nail strip profiles, while offering optimal holding strength. Learn more at www.s-5.com.

www.s-5.com



Leland Industries

Mini Drill Points (MDPs) are the solution when fastening panels into wood or lightweight steel. MDPs deliver clean cut holes with no pig tailing, with industry leading pullout values. MDPs can drill up to 16 gauge and will not fracture Fiberglass or PVC panels. The High Hex Head provides stability during installation and our Flow Cone Washer will never leak. MDP's Low Profile Head is ideal for residential applications. MDPs can be powder coated to match the color and warranty of your panel.

www.lelandindustries.com



Beck America

The SCRAIL® RoofLoc® system was developed to install metal roofing and facades quickly and efficiently. Two times faster than collated screws, and eight times faster than bulk screws, this performance could only be achieved through the combination of the pneumatic Roofing Installation Tool and the patented SCRAIL® RoofLoc®. The tool design allows for excellent ergonomics and tool balance, which promotes better ease of use, even on the longest, toughest jobs.

www.beck-america.com



DB Building Fasteners, Inc.

DB specializes in domestic and imported self drilling fasteners, foam closure and pipe flashing for the metal building / metal roofing industries. We carry self drilling fasteners from Elco, ITW Buildex Teks®, and our own DB self drilling fasteners. DB has two closure stamping machines and two paint booths to help expedite your orders.

www.selfdrillers.com



Atlas Building Products

AccuDRYve System Technology includes a screw gun and fastener that automatically stops driving the fastener when properly seated for a leak-proof seal. The fastener washer is engineered to deflect with proper force to disengage the clutch and stop driving the fastener. Dual-thread design prevents metal from panel extruding up, cutting the washer, and ensuring that the metal panel is flush to the substrate before seating.

www.atlasfasteners.com

FOUNDATION & TRUSS PRODUCTS

SUPPLIES & SOLUTIONS



Starwood Rafters

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.

www.starwoodrafters.com



Plasti-Sleeve Post Protection

First on the market by many years, Plasti-Sleeve literally created the foundation alternative category for post-frame construction. The clean fitting, easy-to-use, slide-on Post Protection sleeves provide the economical protection that many post-frame customers now expect. Quality black polyethylene plastic, more than 20 specialized sizes, and great pricing make Plasti-Sleeve a smart choice for post protection. Market leadership has continued with Short-Sleeve, for economical grade-level post protection, and Plasti-Skirt, an easy-to-use plastic skirt board protector.

www.plastisleeve.com



Rigidply Rafters

Glue-laminated arches, beams, posts and timber trusses manufactured by Rigidply Rafters Inc. give beauty a completely new meaning. Rigidply also manufactures metal-plated roof and floor trusses, tongue-and-groove and V-groove decking and offers a complete line of post-frame building materials to complete your project.

www.rigidply.com



Richland Laminated Columns

Richland Laminated is the manufacturer of Quality Laminated Columns and Perma Columns. Select from 3-ply 2" x 6" to 4-ply 2" x 8", treated bottom or all treated. Richland is also selling Sturdi Wall Brackets, Post Protectors, and Concrete Post Pads, and is now manufacturing and distributing Green Post from Planet Saver Industries. Richland Laminated is also manufacturing an all-glulam column, with certified third party quality control.

Ph: 419.895.0036



Perma-Column LLC

Keep your reputation out of the dirt—stop building on temporary foundations. Your customers deserve permanent solutions. Perma-Column precast concrete columns outperform traditional wood posts and easily integrate into your current building process. For poured concrete foundations, Sturdi-Wall and Sturdi-Wall Plus Brackets simplify post-frame construction. Capitalize on post-frame construction done right. Perma-Column promises to help you "Build better, build stronger, build to last."

www.permacolumn.com



AG-CO

FootingPad brand isolated post footings has introduced a 20" diameter footing. With over 300,000 sold, FootingPad has reduced the labor cost in thousands of buildings. These composite footings are lightweight and easy to use, saving labor and equipment wear and tear. The new 20" FootingPad has a load capacity of over 6,500 pounds and joins a line of four other sizes, with the largest, 24", carrying loads over 9,300 pounds! See our website or call 800.522.2426.

www.footingpad.com



MWI Components

Infinity Shield™ is offered in standard rolls of 4' x 125' Single Bubble Foil/Foil, Double Bubble Foil/Foil, Single Bubble White/Foil and Double Bubble White/Foil. They also manufacture a no seam 6' x 125' and 8' x 125' roll version of all the available SKUs. Infinity Shield™ is extremely cost efficient and hassle-free. Additionally, the standard crushed edge tab (2") will result in simplified overlapping. Fall in love with their ultra-white bubble's more opaque finish — a result of additives throughout all layers of the bubble.

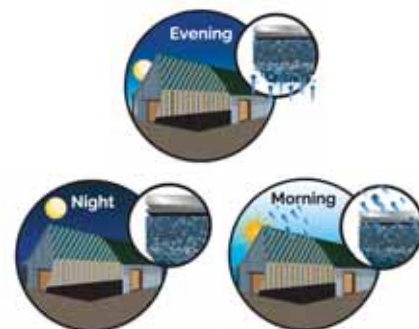
www.mwicomponents.com



Hitz Halter

Hitz Halter by Hershey's the Metal Meister is the superior insulation for all below-grade applications. Developed through intensive research and real-life testing at the company's base in central Illinois, this termite-resistant insulation is manufactured from only the highest quality virgin materials, does not waterlog, does not compress under concrete, and therefore retains its R-value steadfastly even after many years. Hitz Halter is your long-term answer for tremendous energy savings!

HitzHalter@HersheysMM.com



DripStop (Filc USA)

DripStop, from Filc USA, helps fight condensation without insulation. Specially designed air pockets store condensation and hold it until conditions change and it evaporates back into humidity. DripStop arrives at the jobsite already on the steel, saving time and money by removing one step of the building process. It eliminates the need for insulation while also helping fight corrosion by adding another layer of protection from the corrosive elements found in livestock confinement.

www.dripstop.com



MFM Building Products

WindowWrap® PSX-20 is a patented, self-adhering 25 mil waterproofing flashing tape constructed of a tough, aluminized, multi-layer polymer film. It is coated with a specially formulated rubberized asphalt to stand up to UV exposure. WindowWrap® PSX-20 effectively stops water leaks around windows and doors while reducing outdoor noise and air infiltration. The aggressive adhesive securely bonds the window flange to the exterior wall, and the rubberized asphalt self-seals around nails and staples.

www.mfmbp.com



Plyco Corporation

Plyco manufactures and distributes a variety of ventilation products designed to meet most airflow requirements. The MWE-100 is a low profile unit, 10' in length with 12 square inches of free air space per lineal foot. 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 MW100-35 has the same design as the 25 series with increased free air space of 36 square inches per lineal foot. The FMW100-35 is of the same design as the 35 series but the diverter is made from translucent fiberglass to allow light into the building ridge while keeping the rain out.

www.plyco.com



rFoil / Coverttech

rFOIL-2600 series is designed to control heat gain/loss in all types of post frame buildings. It blocks 96% of radiant heat transfer, is guaranteed not to delaminate, crack, peel or flake; and carries an unmatched 10 YEAR guarantee on material and labor. rFoil contains UV inhibitors and anti-oxidants for long-term durability, is tested to ASTM G-155 for UV resistance and facing surface degradation, has better thermal value and condensation control than fiberglass insulation, and boasts a class 1/A Fire Rating and passes NFPA-286 full room burn test.

www.rfoil.com



ST Fastening Systems

ST Fastening Systems supplies its MultiVent, MultiVent10, and MultiVent20 closures for those applications requiring airflow on metal roofs. Open cell foam MultiVent, 3' in length, woven polyester MultiVent10, 10' in length, and MultiVent20, 20' in length, allows as much as 98% free airflow through the material. However, it prevents wind-driven rain from penetrating the material when compressed. The designs are universal for both, with adhesive applied for easy field installation. MultiVent can be used on angled roof applications and MultiVent10 and MultiVent20 for ridge cap applications.

www.stfasteningsystems.com



Direct Metals Inc.

The HYPERVENT Vented foam strip is designed for use in ridge cap applications where ventilation is important. Treated with heat and UV resistant coating, the universal nature of the product allows quick installation to the ridge cap or direct to the metal roof panel. The full width adhesive helps to provide a secure installation even in cold weather climates.

www.directmetalsinc.com



ProfileVent

ProfileVent® is a single-layer ridge vent roll. It's a strong, durable, modified polyester, non-woven, non-wicking, fiber-based matting, designed specifically for metal roofs. ProfileVent is specifically cut to fit more than 50 standing seam and through-fastened metal roofing panels — more than any other ventilation system manufacturer. After 30 years and more than 1 million installations, the company is still waiting for its first callback. ProfileVent is Class A Fire-Rated, so it will not burn.

www.profilevent.com



Snap-Z

Most Standing Seam Ridge Vents are too complicated to install, wasting valuable time and energy. With Snap-Z, installing a ridge vent is easy, and you can relax knowing that it won't fail over the lifetime of the roof and will vent adequately, which in turn gives you satisfied customers and no callbacks. Always working to improve, Snap-Z has undergone rigorous testing by independent labs to ensure that their standing seam ridge vents will withstand the worst elements and maintain the beautiful hidden fastener look that everyone wants.

www.standingseamroofvent.com



Levi's Building Components

A simple solution and easy install for varying roof profiles. Protect your building with constant airflow for proper roof ventilation — the foam construction prevents weather and element damage. Easy installation with adhesive strip that adheres directly to metal panels.

www.levisbuildingcomponents.com



Marco Industries

As North America's leading ventilation manufacturer Marco Industries offers superior roof ventilation your way, with products tailored to fit your specific performance requirements and budget. Our ventilation products feature an exclusive nonwoven polyester material that delivers extreme durability, and breathes to help prevent moisture absorption. All ventilation products offer a 40-year limited warranty, easy one-person installations, and two full beads of M63, Marco's proprietary adhesive, for superior hold.

www.marcoindustries.com

TARGET YOUR MARKET

with Garage, Shed &
Carport Builder Magazine

Garage, Shed & Carport Builder Magazine is the new industry resource for ideas, information and best practices for the manufacturers and contractors who build Garages, Sheds and Carports.

LOOKING AHEAD...

JANUARY

- Editorial Feature: Show Preview issue
- Advertising Deadline: December 22, 2020

APRIL

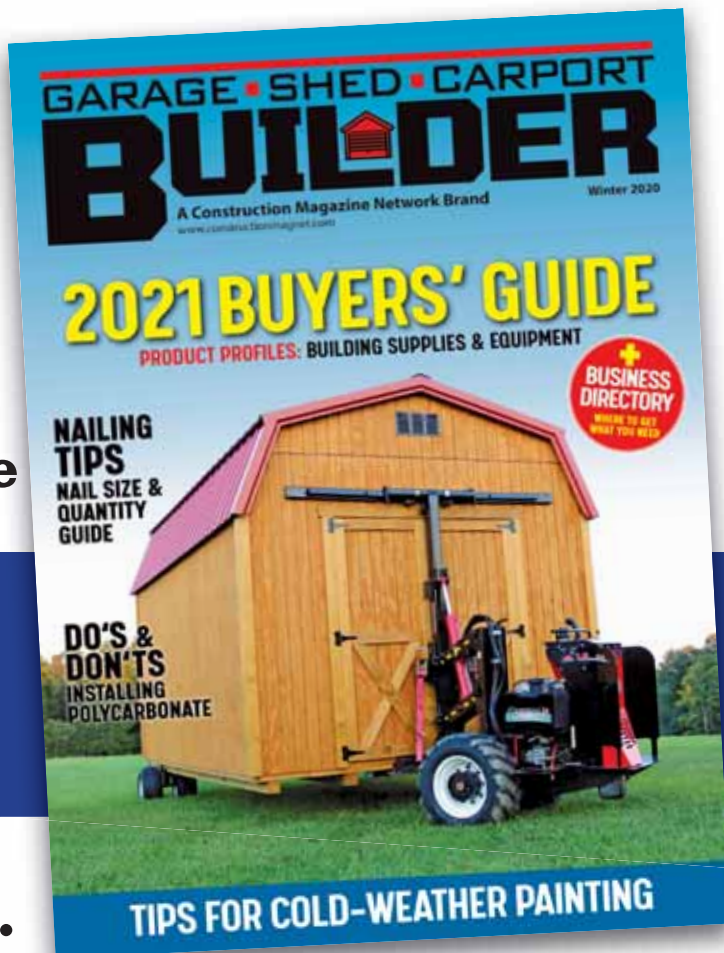
- Editorial Feature: Building Big
- Products & Projects
- Advertising Deadline: March 19

JUNE-JULY

- Editorial Feature: Outdoor Living Spaces
- Advertising Deadline: May 18

AUGUST-SEPTEMBER

- Editorial Feature: Pub Sheds
- Advertising Deadline: June 25



**SUBSCRIBE
FREE
NO STRINGS
ATTACHED!**

SUBSCRIBE: www.constructionmagnet.com/subscribe or see the subscription card in this issue
ADVERTISING: Gary Reichert, gary@shieldwallmedia.com • 715-252-6360
EDITORIAL: Karen Knapstein, karen@shieldwallmedia.com • 715-513-6767



Shed Suite

Shed Suite is a team of passionate developers and designers excited to solve complex problems in the shed industry. The founder, Jason Graber, has spent over 10 years in the shed industry in various roles from building, to manufacture management, to selling sheds as a dealer. His team is tapping into that deep understanding of the shed industry to build world class enterprise software solutions for shed companies and the people working in shed companies. You can visit our website to book a live demo with Jason!

www.shedsuite.com



identiGROW

Your product is your best advertisement - that's why product identification works to build your business. When you want a plate that lasts, DURABLACK is the clear choice. It's what government agencies use for data plates in harsh environments. It's what you want to use when you want it to last for decades and still look nice. The black color with white imprint matches with all colors and we can custom size to fit your needs.

www.identigrow.com



SmartBuild

SmartBuild is a software system that empowers users to create custom designs for post-frame structures. SmartBuild uses cutting-edge technology to deliver complete 3D interactive input in a user-friendly web-based environment. Users are guided through a simple, menu-driven set of prompts to design any custom building. SmartBuild automatically creates framing, sheathing and trim cut lists, material lists, pricing, and drawings to make ordering materials streamlined.

www.smartbuildsystems.com



EZ Pay Buildings, LLC

Providing rent-to-own programs for sheds, carports and steel buildings — and more — since 2005.

ezpaybuildings.net



IdeaRoom Inc.

Your customers deserve a world-class buying experience. You deserve a thriving online business. Step up your game with 3D sales tools that produce higher conversion rates, reduced sales costs and higher average sales prices. Solutions for the shed, carport and building industries. Call +1 208-954-8570 today or visit us online.

www.idearoominc.com



Innovations Manufacturing, Inc.

Innovative IM Ramp System allows planks to be adjusted, removed or left in place. We have developed a series of shed products that have become very popular within the shed building industry. Contact one of our Sales Reps to learn how our products can help your manufacturing processes.

<https://im-inc.com/>

PAINTS, STAINS, COATINGS

SUPPLIES & SOLUTIONS



PPG TrueFinish Industrial Coatings

For over 135 years, PPG has built a strong reputation as a global coatings leader. Our AQUACRON® 200 semi-transparent urethane and Aquacron 100 solid-color coatings deliver excellent exterior protection and exceptional color retention in a variety of pre-mixed colors or over 1,800 PPG THE VOICE OF COLOR® custom hues. PPG delivers more than world-class coatings. Unlike many shed and barn coatings manufacturers, we provide world-class technical support, on-site application training and color matching services.

ppgtruefinish.com



Daich Coatings

TracSafe® Anti-Slip Sealer from Daich Coatings reduces chances of slips and falls. TracSafe's anti-slip coating technology lays down a uniform foot traction surface that exhibits effective slip resistance properties in both wet and dry conditions, with bare feet and various common pedestrian and work footwear. Its high-performance, odorless water-based technology bonds firmly to all types of flooring materials, from concrete, masonry, stone and pavers, to tile, vinyl, linoleum and pre-painted surfaces — indoors and out.

www.daichcoatings.com



Beckers Group

For a high-performance coating designed to last 40-plus years, with excellent color and gloss retention, BeckryTech Super-Durable Polyester is an ideal solution. BeckryTech is based on a resin chemistry that is less reactive to UV light than the leading silicone modified polyester (SMP) products and resists the water 'hazing' effect commonly found in coil coated SMP products. The Super-Durable Polyester product line is used around the world for high-end projects and meets AAMA 2604 in all color families.

www.beckers-group.com

GCS20WI Say you saw us in the Winter Garage Carport Shed Mag.

Custom Nameplates

identiGROW™
Identify your products. Grow your business.

identify your products. GROW your business!

FREE Catalog
and Samples!

Call Today!
540.283.9193



NOW AVAILABLE!
DuraBlack Plates

- UV, Abrasion, Temperature
and Chemical Resistant
- 5x Life Expectancy



Jon



Wendell

identiGROW™
PO Box 50, Dept GCS20WI
Port Republic, VA 24471
sales@identigrow.com
www.identigrow.com

Sow Today - Harvest Tomorrow!



WANTED!

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 Magazine, Frame Building News, Rollforming Magazine, Garage, Shed & Carport Builder and Roofing Elements Magazine 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@shieldwallmedia.com – 715-252-6360

GET YOUR TICKET & REGISTER NOW!

GARAGE • SHED • CARPORT BUILDER SHOW

PRESENTED BY SHIELD WALL MEDIA,
PARENT COMPANY OF GARAGE, SHED & CARPORT BUILDER MAGAZINE

FEBRUARY 4-5, 2021

CENTURY CENTER, SOUTH BEND, IN



REGISTRATION INFORMATION:

Please check the box below for the admission of choice, fill out information, sign & date:

Print Name: _____

Company: _____

Address: _____

City/State/Zip: _____

Phone or Email (REQUIRED): _____

Signature (REQUIRED): _____

Mail Completed
Form & Checks to:
Shield Wall Media
PO Box 255
Iola, WI 54945

Date: _____

**25%
DISCOUNT
UNTIL
JAN. 15TH**

ATTENDEE REGISTRATION OPTIONS:

☐ **Exhibit Floor Access - \$65.00** **\$48.75 (discount included)**

Access to Exhibit Hall floor vendors during show hours February 4 and 5

Visit exhibitors, network and enjoy the educational seminars on the Exhibit Hall Floor, includes Show Floor.

Includes:

Happy Hour at the Century Center,
Thursday February 4, 5:00 PM - 7:00 PM

Evening Social at the Doubletree Hotel,
Thursday February 4, 7:00 PM - 11:00 PM

☐ **Educational Programming - \$200.00** **\$150.00 (discount included)**

Learn what you need to know to manage your business, become more efficient and more profitable. Select just the courses you need to address your specific needs.

Access to Exhibit Hall floor vendors during show hours February 4 and 5

Visit exhibitors, network and enjoy the educational seminars in assigned rooms and on the Exhibit Hall Floor, includes Show Floor.

Includes:

Happy Hour at the Century Center,
Thursday February 4, 5:00 PM - 7:00 PM

Evening Social at the Doubletree Hotel,
Thursday February 4, 7:00 PM - 11:00 PM

☐ **Non-Exhibiting Manufacturer - \$650.00** **\$487.50 (discount included)**

This registration allows the badge holder to discuss their product with attendees without exhibiting.

This badge allows access to the exhibit floor during normal exhibit hours and includes educational programming.

Please be considerate of exhibitors.

Reserve a Room with the GSC Show: DoubleTree by Hilton

123 N. Dr. Martin Luther King Jr. Blvd.,
South Bend, IN 46601

Reservation Desk:

1-574-234-2000

<https://bit.ly/2TU5Sgl>



Contact: Gary Reichert • Phone: 715-252-6360 • Email: gary@shieldwallmedia.com

ROOF PANELS, WALL PANELS, SIDING

SUPPLIES & SOLUTIONS



Ramco Supply

Ramco Supply manufactures metal roofing panel systems. Standing seam roof profiles, exposed fastener and concealed fastener panels are available in a variety of substrates, gauges and colors, along with accessories, including DripStop. Ramco has developed a unique system that allows same-day pick-up of custom length metal roofing and siding, or Ramco can deliver and unload on-site in 48 hours. Save money by completing your project more quickly and easily with less damage!

www.ramcosupply.com



Capital Forest Products

We are your number one supplier for James Hardie plank, panel, and trim, perfect for your shed project needs! Quality products from an industry leading brand, brought to you with top-notch customer service, and consistent and reliable shipping. That is the Capital Forest way! Contact us for our current out of warehouse price list, and direct truck pricing.

www.CapitalForest.com



Graber Post Buildings, Inc.

Graber Post Buildings is excited to announce the release of the Board & Batten siding panel. It provides the classic look of wooden board and batten with the strength and longevity of a steel siding system. We offer this in all 28 color options in 26 gauge. Call us today for pricing on your next project!

www.GraberPost.com



Extrutech Plastics, Inc.

The Extrutech Plastics "stay-in-place" concrete form for poured walls is pre-cut to project specifications and snaps together with a double-spline E-locking system. The Extrutech FORM offers an easy-to-clean sanitary surface on both sides. The product creates a structural wall system that is builder- and customer-friendly for use in dairies, car washes or food facilities. Initially designed for 6" poured walls, it is also now available for 8" walls.

www.epiplastics.com



Petersen | PAC-CLAD

Snap-Clad metal roof panels feature aesthetic and structural performance. The panels are produced in continuous lengths and feature an optional factory-applied sealant bead for improved weather resistance. Maximum length is 64' and minimum length is 4'. Snap-Clad panels feature a 1-3/4" leg height and a continuous interlock for improved structural performance and wind resistance. A concealed fastener clip system allows for thermal expansion/contraction while providing hold-down strength.

www.pac-clad.com



Hixwood Metal Inc.

No matter what the size of your next project, Hixwood has your back. We run the largest, most efficient machines in the industry. Whether you need roof panel, wall panel, or trim, we will get you what you need — fast. Whether you are looking for custom metal on a commercial, industrial, recreation, or agriculture building, we will trim for any application and any size. No one does metal like Hixwood. We stock more, bend faster, and cut closer.

hixwoodmetalinc.com



Qora Cladding

Qora Cladding now offers a matching ledge sill accessory that is just as easy to install and provides a natural and seamless transition between Qora Cladding panels and other siding materials. With two color options — Light Grey and Medium Grey — it's the perfect complement to your structure's exterior design. Each 4-foot sill weighs less than 4 pounds but looks exactly like a real stone ledge sill with durability to match.

www.qoracladding.com



Union Corrugating Company

Since 1946, Union Corrugating has been an industry leader in providing metal roofing products, supplies and wall systems for residential, commercial and agricultural applications. Our current residential and agricultural metal roofing options include MasterRib, ValuRib, Corrugated, 5V, SL150, Advantage-Lok II, FL100, Union Rib, TS-324, Trapezoidal Panel, 7/8 Corrugated, R/PBR/IR Panel, M Panel, SL175, ML150, and ML200. We also offer a full range of metal structural framing components including Ceess, Zees, Receiver Channel and Eave Struts.

www.unioncorrugating.com



American Building Components

For more than 100 years, American Building Components (ABC) has been committed to delivering quality and service our customers can count on. Our comprehensive range of metal building products is backed by industry-leading warranties, while our decades of industry experience enable us to help our customers confidently grow their businesses.

www.abcmetalroofing.com



EDCO Products

EDCO Products metal exterior building products are the most durable material available. It can withstand the most extreme weather conditions — hail, wind, snow and ice, while maintaining its original look for years to come. Our products, including metal roofing, siding, soffit, fascia and trim, consistently outperforms many other materials available today. We back up this performance with the industry's only true lifetime, non-prorated warranty that includes material and labor, in addition to hail and fade protection.

www.edcoproducts.com



CertainTeed

STONEfaçade™ from CertainTeed is a stylish, easy-to-install stone veneer product that replicates the aesthetic of real stone with screw-in-place installation (no mortar necessary). With nature-inspired colors suitable for indoor and outdoor applications, STONEfaçade features the industry's first fully-integrated 3/8" rainscreen for outstanding moisture management and home protection. Product is available in 8" x 10", 8" x 14", and 8" x 24" panels for a wide variety of configurations

www.certainteed.com



Replications Unlimited

The URESTONE system is a lightweight, realistic, easy to install faux stone brick and wood panels for adding curb appeal. We offer a wainscot series (typically a 42" high panel capped with a built in top ledge), column kits, pilasters and many trim elements. They attach directly to metal building and can be customized for your building design.

www.urestonepanels.com

STAY INFORMED

GET YOUR FREE SUBSCRIPTION TODAY!

Roll-formed metal wall and roof panels comprise a large portion of the agricultural, commercial, post-frame and residential construction markets. *Rollforming Magazine* is dedicated exclusively to this section of the construction trade.

This specialty publication is a platform to share and discuss developments in roll-forming technology, operations, and opportunities.

Each issue delivers news and information created expressly for the roll-forming industry. *Rollforming Magazine* focuses on the products and services that professionals find indispensable, including:

- Roll formers: Stationary and portable;
- Panels, gutter, and trim;
- Seamers, decoilers, benders and brakes;
- Coil, coatings, accessories, consumables; and
- Controls, software, after-market accessories, & more.

If you sell to or provide services to this segment of the construction trade, you need to subscribe to *Rollforming Magazine*; it is a resource you can use to help build your business.



SCAN CODE
TO SUBSCRIBE



Rollforming
Magazine

SUBSCRIBE: <https://www.constructionmagnet.com/subscribe>

ADVERTISING: Gary Reichert, gary@shieldwallmedia.com • 715-252-6360

EDITORIAL: Sharon Thatcher, sharon@shieldwallmedia.com • 715-257-4197

SNOW & RAIN MANAGEMENT

SUPPLIES & SOLUTIONS



Ace Clamp by PMC Industries, Inc.

The AceClamp Snow Titan is AceClamp's strongest and easiest snap-together snow-retention system on the market. The cantilever "gripping claw" offers the latest in clamping mechanisms for easy installs with confident gripping power. The triangular rail handles extreme snow loads with confidence. The patented "sliding-pin" design AceClamps help protect the panel and warranty and come standard with any of A2 style Snow Titan snow-retention systems.

www.aceclamp.com



ST Fastening Systems

ST Fastening Systems offers Snow Trax snow retention guards for exposed fastener roofs and the MRC Snow Trax roof clamp for standing seam roofs. The Snow Trax is 16 gauge 304 stainless steel available in more than 20 powder coated colors. Its adhered rubber gasket eliminates the need for additional sealant. The MRC is extruded aluminum, and a colored rail slides through the clamp grooves to provide maximum protection from snow and ice.

www.stfasteningsystems.com



Raytec Manufacturing

HangTite and HangFast hidden gutter hangers, manufactured by Raytec Manufacturing, are exceptionally strong. Both have proven records of performance, strength, and ease of use in the field. Raytec engineers designed the Hangtite to be strong. Hangfast hangers, with the integrated screw, add speed to the installation without compromising performance. Both hangers are available in 5" and 6" sizes in aluminum, galvanized, and copper.

www.raytecllc.com



GutterBrush

Unique sizes available for garages, carports and sheds. GutterBrush is the simple, affordable gutter guard guaranteed to keep gutters flowing. Quickest installation requiring no tools, fasteners or cutting. No interference with existing roof or gutters. Available in 5 diameters (3.25"-8.0") for just about any residential, commercial or industrial gutter sizes. Request your free samples today! Made in the USA, performance and satisfaction guaranteed. Discounted pricing and free shipping for builders.

www.GutterBrush.com



Dynamic Fastener

Dynamic Fastener's Dyna-Guard snow retention system is designed to be used on virtually any style metal roof. Dyna-Guard is an 8' long extruded aluminum rail with a T-shape profile. Dyna-Guard is installed by attaching non-ferrous clamps or mounts to a metal roof and bolting or screwing the system to clamps or mounts. Eight Dyna-Clamps with round-point stainless steel set screws and Sno-Dams are also offered. Sno-Dams attach to the back of Dyna-Guard and inhibit snow and ice from sliding underneath.

www.dynamicfastener.com



Levi's Building Components

Levi's Snow Defender 4500 answers your snow retention needs with high quality and good looks. Made of 16-gauge 304 stainless steel, it is designed for performance and long life. Using the highest quality powder coating process, the 4500 is available in more than 40 colors, matching most metal roofing manufacturers' colors. Backed by the product-specific Snow Defender Calculator, to ensure proper placement for best performance, the 4500 is your best choice for snow retention.

www.levisbuildingcomponents.com



Malco Products, SBC

Malco's popular 1/4" and 5/16" C-RHEX® Reversible Hex Drivers, now feature a New Slimmer Design Enhancement that reduces the 1/4" size by 16%, for easier access in tight spaces! The reversible hex socket can be quickly reversed, and the magnet easily cleaned. Available in 4 convenient lengths.

www.malcotools.com



Metal Plus LLC

Metal Plus, LLC continues to create and develop metal roofing tools in order to create a safer and better workplace for our industry. We now offer three brackets which are second to none: The Ultimate Bracket, The Big Boys and The Roofer's Helper. Installation of Standing Seam Metal Roofing has never been so fast, efficient and comfortable. We've also revolutionized the industry of anchor points with our newest product the Universal Safety Anchor (USA)!

www.metalplusllc.com



ASC Machine Tools, Inc.

The ASC Alpha Series® is a revolutionary panel roll-forming line featuring heavy duty cast stands with cast bearing blocks. The close-coupled pre-cut front end minimizes the equipment footprint to a total length of approximately 40'. The additional slitter pass and belt conveyor option allows the economic production of flat sheets and trim blanks — both exiting at a convenient height of approximately 30". The Alpha Series is also available as a post-cut line featuring rugged hydraulic post-cut shear to produce panels down to 1' in length.

www.ascmt.com



Acu-Form/Paint Valley Parts

Acu-Form is a manufacturer of metal forming equipment, such as the Ag Panel, Post Cut Shear, Uncoiler, Corner, J-Channel, Ridge Cap, Rat Guard, Hemmer, Slitter, Wrapper, etc. We also make machines to your specs. Our goal is to meet and exceed our customers' expectations. Our number one priority is to send our customer a durable, top-performing machine that will give you years of trouble-free service.

www.acuformequipment.com



Roll Former Corporation

Roll Former Corporation now offers two (2) perf units: the Stand Alone Perf Unit with 2 sets of perf dies for up to 24" wide flat stock, and the Ag Panel Perforator for ventilation needed on your 3/4" by 5-rib-wide ag panels. Complete with four sets of perf dies for this 38"-wide popular panel. It can also perforate "flat stock" so you can post process the rest of your ventilated trim products. 26-29 gauge ag panels or 24-gauge max flat stock. Call us today at 215-997-2511 or visit us online.

www.rollformercorp.com



New Tech Machinery

New Tech Machinery's SSQ II Roof Panel Machine is an upgraded version of the legendary SSQ machine that was first introduced in 2008. This latest iteration offers optional squared and profiled notching, angle slitting from 90° to 35°, and the powerful touchscreen NTM200 computer controller. This versatile standing seam roofing machine features 15 different quick-change profiles including FWQ flush wall/soffit/underdeck panel profiles, TRQ250 trapezoid panel profile and SSQ275 proprietary snap-lock/seamed panel profile.

www.newtechmachinery.com



County Line Concepts

Better and safer tools for contractors is the aim of County Line Concepts. The RidgeLine and RidgeLine 9 were introduced in 2019. They are oversized protractors for making precise cuts of large building materials such as metal and wood. Manufactured in the U.S., the RidgeLine 9 is mounted on a HDPE body and used to mark angles on 9" on-center metal panels, with extendable arms capable of "0" to 12/12 pitch, rotating left or right. The RidgeLine is used to mark angles from "0" to 12/12 pitch on any flat material, also rotating left or right.

www.countylineconcepts.com



Marion Manufacturing

Marion Manufacturing adds the value to the metal by designing, fabricating, and installing custom manufacturing and production machinery. Marion specializes in metal-forming equipment such as roll formers, uncoilers, shears, stackers, etc. Marion Manufacturing also offers a full-service machine shop and re-tooling and service on other brands of equipment.

www.marionmanufacturing.com



Cardinal Manufacturing

At Cardinal we understand shed delivery. Our passion is providing you with the equipment you need to deliver your sheds easily and efficiently. For more than a decade, our hard-working family of Mules has been making the lives of shed movers everywhere less stressful. With features such as our innovative i-Trax technology and wireless remote controls, the Mule is the answer for delivery dilemmas. Our Mules Deliver.

www.cardinalmanufacturing.com



Rustgo

The Rustgo Mobile Work Platform models allow up to six workers, on three levels at varied heights, multiplying their effectiveness as they roll down the side of your job. No scaffolding. No CDL driver needed. No trailer needed. No motors to maintain. Super low maintenance. Just tow the Rustgo behind your truck to your job site. There is no better tool for reaching your goals and cutting costs. Made in the U.S.A.

www.rustgousa.com



Hershey's Metal Meister

Wouldn't you like to have the same kind of quality and service that you strive to deliver to your customers? Variobend USA is the answer to your quest for speed, accuracy, and service in a trim folder. European design coupled with American manufacturing and service, Variobend USA folders are built with you in mind. Look no further! Contact Hershey's today to experience it for yourself! Need more proof? We are happy to let you talk with Variobend USA owners. 877.289.3030.

info@HersheysMM.com



Bradbury Company

The Bradbury B.O.S.S.™ Series is a state-of-the-art roll former and closed-loop servo shear with speeds up to 300 FPM and accuracy of 1/16". The B.O.S.S.™ can be close coupled to a new or existing roll former and is the leader in high production panel line roll forming.

www.bradburygroup.com

WINDOWS, SKYLIGHTS, DAYLIGHTING

SUPPLIES & SOLUTIONS



Shed Windows and More, Inc.

Shed Windows and More specializes in windows, skylights, and decorative windows that are the specific sizes needed for outdoor buildings such as sheds, playhouses, and chicken coops. We also offer windows, garage door windows, and decorative windows that are sized for home installation. Our doors are of the highest quality, backed with 5-star customer service, excellent Google reviews, and quick shipping.

www.shedwindowsandmore.com



MWI Components

Natural light can't be understated. When it comes to natural daylight, MWI's Polycarbonate Skylight is perfect for roof or vertical sidelights. Naturally lit buildings create pleasant, improved environments for livestock. Plus, they have significantly lower running costs with higher energy efficiency than buildings relying on artificial light. Discover a multitude of profiles in a variety of lengths and colors (Clear, Opal, Soft White, Solar Gray). MWI's Polycarbonate Skylight: practical, cost-efficient, ideal for your next project.

www.mwicomponents.com



FlexScreen

FlexScreen is the world's first and only flexible window screen. No bulky aluminum frame to bend, dent, or break; no paint to color match, chip, or scratch; and no complicated, flimsy hardware. Our innovative, effortless, and sleek design installs and removes in seconds, hides inside the window's screen track for an uninterrupted view, and is durable enough to last a lifetime. FlexScreen is revolutionizing the window industry with our patented, simple, problem-solving design.

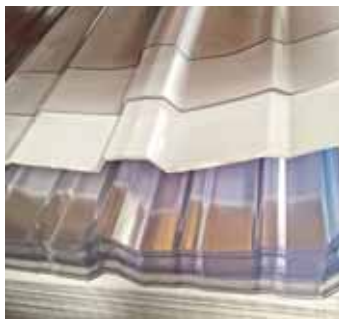
www.flexscreen.com



Plyco Corporation

The CTB (Commercial Thermal Break Window) is Plyco's top-of-the-line commercial quality window. It is constructed of 100% thermalized aluminum extrusions with 3/4" thermo pane glazing. AATL (All Aluminum Trimline) windows, an aluminum frame window, is specifically designed for the metal-clad building industry. Series 100 energy efficient window is made of "Fibrex," a revolutionary composite material with strength, aesthetic appeal, and energy efficiency (Energy Star). The Series 100 window can be painted and holds its form without warping or twisting.

www.plyco.com



Direct Metals Inc.

Direct Metals Inc. (DMI) distributors have the flexibility to offer many choices in daylighting options including profiled and flat monolithic translucent panels. Profiled panels are available in different strength ratings and thicknesses: 1.0mm, 1.5mm and 2.0mm. Custom panel profile-matching technology is available to your customers where DMI can create a custom translucent panel using your CAD drawing (minimum orders apply). All panels are co-extruded with UV protection and offer a 10-year warranty against loss of light transmission due to yellowing and against hail damage.

www.directmetalsinc.com



Onduline North America

Available direct from the manufacturer TUFTEX brand polycarbonate and PVC panels offer a variety of solutions for your garage, shed, carport or other home projects. TUFTEX is made in the USA, by Onduline North America. Polycarbonate panels are backed by a 10-year warranty. All panels are lightweight, easy to install, and also available in 9" OC Ag Panel and 12" OC R Panel profiles (38" wide, 36" of coverage and lengths from 2.5' to 24'). Distribution opportunities available. Contact our US-based customer service team for more information.

www.us.onduline.com/pro



UNITED
STEEL SUPPLY

STEEL PRODUCTS FOR
THE METAL ROOFING &
METAL BUILDING INDUSTRY

Understanding Superior Service

512-263-0954 • unitedsteelsupply.com

2021
GARAGE • SHED • CARPORT
**BUILDER
SHOW**

CENTURY CENTER • SOUTH BEND, INDIANA
FEBRUARY 4-5

FOR INFORMATION CONTACT GARY 715-252-6360

DID YOU KNOW?

**It costs less to buy a Business Card ad
than it does to have cards printed.**

**We even give your “cards” to more than
40,000 potential customers.**



**Actual Card Size
(3.5" x 2")**

**FOR MORE INFO CONTACT
GARY REICHERT:**

gary@shieldwallmedia.com 715-252-6360



Quality Garage Doors

Arthur, IL. sales@kevmar.net 217.543.2828 Ext 101



Master Grippers® • Grippers MDP® Master Drillers®
Master Tappers® Master Deckers®

Our Powder Coated paint system allows us to match your painted steel supplier's warranty.

LELAND
1.800.263.3393
www.lelandindustries.com



Powered and Manual Shears
to meet your metal cutting needs.

HRB-36

- Replaceable tool steel blades with the profile of your choice
- Simply change the blade set to switch from straight to angle cut
- Cuts a 3/12 - 5/12 angle
- Heavy duty toggle clamp holds panel to ensure a quality cut

Manufactured by:
Precision Metal Craft LLC
10075 E 72nd ST, Reed City, MI 49677
231-832-4222



MILL & DISTRIBUTOR SALES - PREPAINTED & COATED COIL

- **Painted Galvalume:** 20 Popular Colors x 29 ga Regular Polyester + ValsparXL, Akzo1050, 40-yr SMP, Kynar systems
- **Acrylic Galvalume:** 22 ga - 29 ga x 20" thru 48.375" Widths (Gr. 50, 80)

Call for Truckload Sales Information: 800-294-3427
Email: pmpsteel@yahoo.com



Your Single Source Equipment Provider
bradburygroup.com
+ 1.620.345.6394
bradbury@bradburygroup.com



SAFE-WAY GARAGE DOORS
Make a Statement.

60 Years 1958-2018

A Lifetime of Quality and Relationships



3814 E. US 30 Warsaw, IN. 46580 • (574) 267-2813



THE WORLD'S FINEST PORTABLE ROLLFORMING MACHINERY & EQUIPMENT



800.574.1717 newtechmachinery.com



Open up your camera app and hold it over the QR code for a direct link to our product offerings!

Call for a FREE Quote!
1-888-685-7663




Since 1946, Union Corrugating has been an industry leader in providing metal roofing products, supplies, and wall systems for residential, commercial and agricultural applications.



Post Frame Packages Delivered to your Job Site

expressbarns.com • 785-214-4609
info@expressbarns.com

Let us prove to you that we can save you time and money. We want to be your Partner in Post Frame!

DMI = BUILDING INVESTMENT PROTECTION

Let DMI complete your building project with Code Approved & Warrantied:

HWH & PANCAKE FASTENERS • ANCHORS • PIPE FLASHINGS
REFLECTIVE INSULATION • POLYCARBONATE PANELS
SOLID & VENTED FOAM CLOSURES

www.directmetalsinc.com 855-800-8878

DOORBRIM sells stylish rain diverters with a gutter to protect and keep your shed dry.



- Easily installed in minutes •
- Made In U.S.A. •

www.doorbrim.com
(754) 400-1357

Use coupon code GCS20



Wall and Ceiling Panels and FORMS

- Sanitary - Smooth - Bright White
- Easy to Clean - Non-Porous
- Perfect for Non - Food Contact Surfaces
- For Corrosive or High - Moisture Areas
- Quick Installation - Cut to the Inch Panels

View our New FORM Panel video on our website.

888-818-0118 • www.epiplastics.com • info@epiplastics.com



★★★ PREMIUM QUALITY ★★★ ROLLFORMING MACHINERY



ASC MACHINE TOOLS, INC.

MADE IN USA
SINCE 1949

Golden Rule

FASTENERS

**QUALITY PRODUCTS
COMPETITIVE PRICES
& MOST ORDERS SHIP THE SAME DAY**

- Screws • Closures • Ridge Vent
- Pipe Flashings • Butyl Tape • And much more!

Ph: (334) 283-4030 - FAX (334) 283-4032

BUSINESS OPPORTUNITY!

ADD **CONKLIN®**

ROOFING SYSTEMS
to your business for additional income.

Call Enos Miller today to join our team of successful contractors.

855-527-2842

TAKE THE GUESSING OUT OF THE INSTALLATION. Will the pipe flashing you have handle the correct pitch?

The NEW and IMPROVED Master Flash® Roof Pitch Data Calculator
From the largest to the smallest Pipe Boots Available



Master Flash®
Roof Pitch Data
Calculator



aztec
washer
company

https://rpc.aztecwasher.com

ADVERTISING INDEX

SCAN THESE ADVERTISERS' QR CODES TO GET IN TOUCH WITH THEM TODAY!

RS # Company	Page #	RS # Company	Page #	RS # Company	Page #
ASC Machine Tools	14, 61	Extrutech Plastics.....	61	Plyco.....	18
ASTA AMERICA		Golden Rule Fasteners	61	PPG.....	13
by Janus International	5	Hawkeye Flat Roof Solutions	61	Prassas Metal Products, Inc ..	38, 60
Aztec Washer Company	61	IdentiGrow	50	Precision Metal Craft LLC	60
Bradbury Group, The	60	Innovations Manufacturing, Inc..	BC	Raytec Manufacturing	15
Cardinal Mfg.	17	Kevmar Mfg.....	27, 60	Royal Crowne.....	27
Direct Metals	61	Leland Industries Inc.....	8, 60	Safeway Door.....	60
Doorbrim Awnings.....	61	LP Building Solutions	IFC	Shed Windows and More	7
Dr!pstop - FILC	9	Malco Products.....	20	Trac-Rite Doors.....	23
Dynamic Fastener.....	11	Maze Nails	4, 19	Union Corrugating Co	60
Express Barns.....	61	New Tech Machinery	60	United Steel Supply	59

IT'S FREE. SUBSCRIBE & RECEIVE OUR E-NEWSLETTERS TODAY!

Sign up to receive these great products, just go to <https://bit.ly/2VkDVQG>

GET THE LATEST NEWS, TIPS AND TRENDS DELIVERED RIGHT TO YOUR INBOX.



FRAMEBUILDING NEWS

Rural Builder

METAL ROOFING MAGAZINE

Rollforming Magazine

GARAGE • SHED • CARPORT BUILDER

ROOFING ELEMENTS

ConstructionMagNet.com

GET MORE INFORMATION ABOUT PRODUCTS & SERVICES SEEN IN THIS ISSUE. HERE'S HOW:



If you are looking for more information from companies featured in this issue, fill out this form.

Mail the completed form to us, and we will have those companies get in touch with you. There's no need to fill out multiple forms; we'll do the legwork for you.

Name (please print) _____

Signature (required) _____

Company _____

Address _____

City _____ State _____ Zip _____

Telephone (_____) _____

E-mail _____ Date _____

Please check one or more boxes to subscribe FREE/Renew for 3 years:

- ☐ *Garage, Shed & Carport Builder Magazine* ☐ *Frame Building News* ☐ *Metal Roofing Magazine*
☐ *Rural Builder* ☐ *Rollforming Magazine* ☐ *Roofing Elements Magazine*

I would like to receive my subscription: ☐ By Mail ☐ Digitally

☐ Check this box if you wish to receive our Builders' Express newsletter and offers from our partners.

☐ Check this box if you wish to receive our Roofers' Express newsletter and offers from our partners.

Email address is required to receive newsletter.

**CONTACT NAME & EMAIL (OR) NAME & PHONE NUMBER ARE REQUIRED.
WITHOUT THIS INFORMATION WE WILL NOT PROCESS THE REQUEST.**

**SELECT A MAXIMUM OF 5 COMPANIES
TO REQUEST INFORMATION FROM:**

Company Name: _____

Company Name: _____

Company Name: _____

Company Name: _____

Company Name: _____

I understand that by providing the above information I hereby consent to receive communication regarding my subscription via US Mail, telephone, and e-mail sent by *Garage, Carport & Shed Builder Magazine*.

Valid until Dec. 31, 2020

GCSB WINTER 2020

CHECK WHICH TITLE APPLIES TO YOU:

- ☐ President
☐ Owner
☐ Partner
☐ General Manager
☐ Sales Manager/Rep
☐ Engineer/Architect
☐ Vice President
☐ Foreman
☐ Installer
☐ Other _____

PLEASE CHECK THE PRIMARY CATEGORY THAT DESCRIBES YOUR BUSINESS:

- ☐ Builder, Dealer, Remodeler
or Installer
☐ Roofing Contractor
☐ Metal Roofing Contractor
☐ Building Material Dealer/Distributor
☐ General Contractor/Remodeler
☐ Manufacturer/Rep of Manufacturer
☐ Architect/Specifier
☐ Construction Consultant/Engineer
☐ Building Owner/Developer
☐ Other (Please Specify) _____

ENGAGED IN THE FOLLOWING APPLICATIONS:

- ☐ Gutters/Accessories
☐ Institutional
☐ Residential
☐ Agricultural
☐ Commercial
☐ Industrial

Send to: Barb Prill • P.O. BOX 255 • Iola, WI 54945; barb@shieldwallmedia.com

It's Cold Outside ... & I Still Need to Paint!

BY JAMIE WHITE, PPG SEGMENT SPECIALIST

It is cold outside but I still need to paint my buildings. How should I do it?

Can paint freeze?

How long do I need to let it dry before I roll it out into the cold?

How hot does my paint bay need to be?

These are all common questions we get asked as we head in to the winter season. In most regions of the shed market, winter is just another challenge on the list.

However, it doesn't have to be. In this issue, we will explore the effects that cold weather has on shed coatings, as well as share some tips on how to continue your operations in spite of Mother Nature.

Most shed coatings are water-based coatings, whether they are acrylics or urethanes, they contain a significant amount of water and solvents. They dry or cure through a process where the water/solvents evaporate out and leave the paint film. Just like with people, coatings are greatly impacted by the cold. The lower temperatures slow, and sometimes can even stop, the dry/cure process. When this happens, you can see a myriad of effects or results.

As we all know, water freezes at 32°F/0°C. Since shed coatings contain a lot of water, they can freeze as well. The coatings can freeze in the bucket or on the side of your shed. Each type of shed coating has a low temperature threshold that it can be exposed to and still dry/cure properly. For example, water-based acrylic paints generally can be applied when the air and surface temperature are 35°F and rising. Water-based urethanes

need it to be 50°F and rising. It is important to check with your coatings provider to understand the proper temperatures for the coating you are using.

Below is a list of the most common effects from coatings being exposed to temperatures below their threshold.

Also below is a list of tips that can help you battle the winter. Remember, as the environmental conditions change, so must your process so that you can continue to produce quality sheds.

Most common effects on paint due to cold weather application:

- **Frozen paint on the surface of the building:** Small cracks all over the surface, may have a shattered glass appearance. Falls off easily when wiped or scrubbed.
- **Paint runs off of nail heads:** Metal gets colder quicker and is slower to warm up. Painting over cold nail heads can cool the paint and cause it to run off or not stick.
- **Cracking/Peeling:** When a coating is in the cure process and it is exposed to cold temperatures, it can stop or pause the curing process, which will cause the coating to cure improperly and become brittle and have loss of adhesion.

Tips for painting when it is cold outside:

- **Heat your shop:** Depending on your setup, this can be easier said than done. You do not have to make your shop feel like Alabama in August, however if you can get it to San Diego in the Spring, that would be good. This means mid sixties and above.

The warmer the better, but remember: too hot and you will raise the humidity, which will still slow the dry/cure time.

- **Bring buildings in to warm up:** If it is below 60° outside, you will see improvement by allowing your buildings to warm up before painting. A lot of shops bring the buildings they plan to paint in to the bay the night before and allow them to warm up overnight.

They then paint the next morning. Leave them in the bay or booth all day and then pull them out and pull more in to get ready for the next day.

NOTE: There are a lot of variables that affect the dry/cure time of a coating. They include thickness of the coating, paint temperature, air temperature, surface temperature, humidity, amount of air movement, etc. Because of these variables, it is difficult to give an exact time that a coating needs to stay in the booth before being rolled outside. The colder/wetter it is outside, the more time the coating will need inside to dry or cure.

- **Air Movement:** Using fans to blow air across the coated surface is a BIG help in speeding up the dry/cure time. If you have an exhaust fan, it is good to run it for a short time right after you paint to pull the wet air out of the booth. It will also pull the warm air out so do not run it the whole time.
- **Put heat inside the shed you painted:** We have seen shops that put individu-

- **Store your paint in a warm area:** It is best to keep all of your paint in an area that is above 50°F at all times.

NOTE: How do you know if your paint has previously frozen and thawed? Paint settles and separates over time and when mixed or agitated it goes back to having the consistency and appearance of paint. Once it has

- **Two coats are better than one:** That may sound backwards, however in an effort to speed up the dry/cure time, this can actually help. When applying one thick coat, the water/solvents in the bottom layer of the coating have to travel up through the coating.

And remember they are moving slow because of the temperature. By applying a light first coat, it allows the water/solvents to flash off quicker. Then once it is a little “tacky,” or even dry to the touch, you can apply another light coat. You will end up with the same amount of paint on the building and you allowed the water/solvents a

- **Tools:** You can purchase an inexpensive thermometer to hang in your paint booth. We recommend the ones that show inside temperatures, outside temperatures and humidity.

It is also handy to have a laser temperature gun; an inexpensive model will do. These are useful because you can point them at a surface or at the paint and get an exact temperature. The use of these tools will help eliminate the guess work. **GSCB**

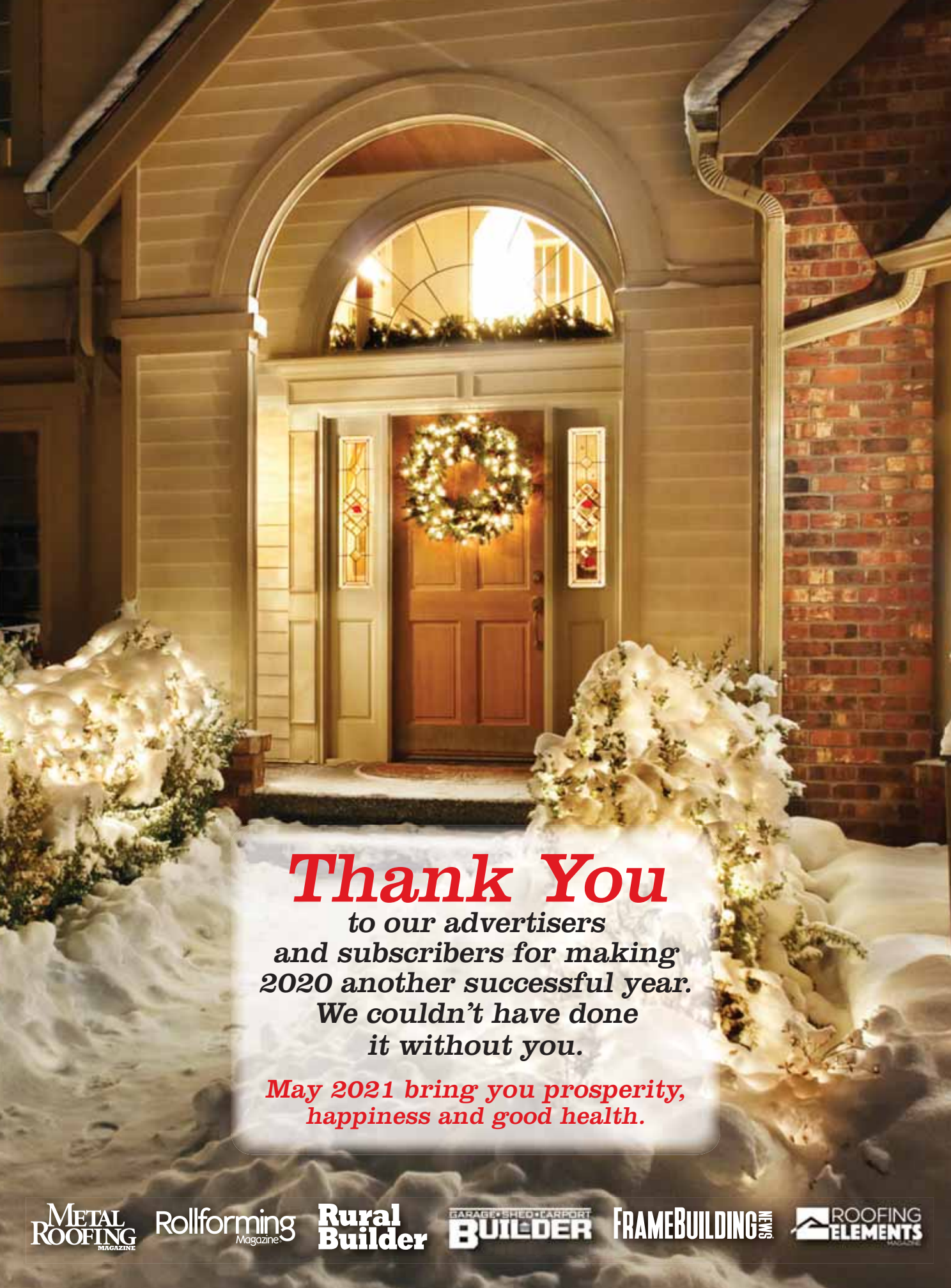
To better understand how to get the best coatings system, contact Jamie White (jamiewhite@ppg.com), who will put you in contact with a PPG Truefinish Specialist in your market.

If your company has developed a new product for builders or contractors, email a new product announcement to one of the contacts listed below for possible publication in the Construction Magazine Network.

Include a clear, high resolution image of the product (no logos or advertisements), along with a brief description of your product and the problems it solves.

Rollforming Magazine: Sharon Thatcher – Sharon@shieldwallmedia.com





Thank You
to our advertisers
and subscribers for making
2020 another successful year.
We couldn't have done
it without you.

***May 2021 bring you prosperity,
happiness and good health.***

INTRODUCING THE PREMIER ISSUE OF



The only publication dedicated to the effects of weather and climate on roofing.

Roofing Elements Magazine will deal with the physical environment and how "Elements" like heat, moisture, wind, and sun affect roofing. The Elements need to be considered in every aspect from material choice and design to installation techniques. **Roofing Elements Magazine** will provide both industry white papers and institutional knowledge from the experts who learned their trade in the real world.



**MAILING
FEBRUARY
2021**

Editorial in This Premier Issue:

- Temperature effects on fasteners; expansion/contraction of screws and nails
- Roofing installs during cold weather, when replacement can't wait
 - Safety; material handling/storage,
 - Effects of ice/cold on roof anchoring systems; temperature effects on components
- Moisture effects on adhesives and sealants; applying/curing when wet
- Insulation considerations for extreme temperature environments
- Snow and ice management for metal roofs



3 WAYS TO SUBSCRIBE!



- Scan Code
- www.constructionmagnet.com/subscribe
- Fill out & mail blow-in subscription card in this issue.

ADVERTISING: Gary Reichert, gary@shieldwallmedia.com • 715-252-6360

EDITORIAL: Jessica Franchuk, jessica@shieldwallmedia.com • 920-224-5146

SPECIAL OFFER

20 PLANK PALLET

— FOR A LIMITED TIME —

Purchase our best-selling “*Aluminum Planks*” and get **FREE SHIPPING** through November 30, 2020*.

This “**Starter Kit**” is a short pallet which includes 10 sets of our *Best Selling 23" x 48" Aluminum Planks*. Or, you *can customize your order* by selecting *any size of our Aluminum Planks*. Add 10 of any matching sill plate up to 6' long.

You can even mix the sizes you need on one pallet!



Our Patent-Pending Ramp System — YOUR WAY



MADE IN THE USA



(303) 321-0945
sales@im-inc.com / www.im-inc.com

