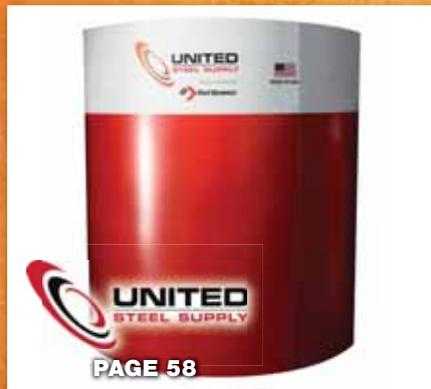
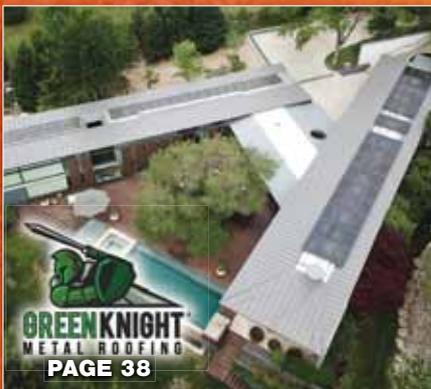




# the idea book



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# Accomplishments In The Trade

**Y**ou have to admit people in this industry accomplish some pretty amazing things. If you need evidence of the skill and dedication of the professionals growing the popularity (and market share) of metal roofs, you need only flip through this issue.

You may notice there are quite a few residential roofing projects in this Idea Book. I hope that is an indication of the growing popularity of metal in residential roofing applications. Some of the roofs are quite complicated, while others, though not complicated, are good examples of metal as the best choice in specific applications.

Of special note is the residential re-roof submitted by Reed's Metals on page 55. While there's nothing fancy about this particular roof, it is special. What's special is the story behind the roof: Reed's sponsors a "Covering the Community" charitable initiative that awards homeowners in need with a free metal roof. If you or one of your colleagues participate in a charitable or non-profit endeavor to better your community, we'd love to hear about it and share it with our readers! We need to spread more good news in the world.

## BUILDING PROGRESS AWARD

This special edition is the perfect opportunity for me to make a plug for the Shield Wall Media Building Progress Award. In these pages you will see some of your colleagues' work. If one of these individuals had an influence on the roofing trade, or the building trade in general, I hope you'll consider nominating them for the annual Building Progress Award. You only need to fill out a simple nomination form, and we'll take care of the rest. Once vetted, we'll contact the nominees and write a profes-



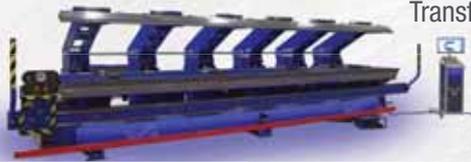
sional profile, which will be published in our magazines before the winner is selected. As you may recall, the Building Progress Award replaced the Metal Roofing Hall of Fame and the Rural Builder Hall of Fame awards. (Past Hall of Fame award winners *are also eligible* to receive this new award.) It's a wonderful way to honor those long-standing tradespeople who have had a positive and pronounced impact on the construction industry. In this edition, you'll find the nomination form on page 53. For your convenience, we'll continue to publish it and an overview of the program, as space allows.

I'd like to close this note by expressing my thanks to everyone who participated and sent in metal roofing projects for this special edition. You all had a hand in making this volume what it is.

Keep in mind that we publish a Project of the Month in every edition. If your project was not selected for publication in this issue, it may be published in a future edition as a Project of the Month. We accept project information year 'round, so don't hold back ... send us those projects as you complete them. **MR**

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# THE IDEA BOOK

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## YOUR PRIVACY IS IMPORTANT TO US

Unrelated third parties often attempt to sell mailing lists for what they say are our publications. You can be assured that WE DO NOT, HAVE NOT, AND WILL NOT EVER SELL OUR SUBSCRIBER LISTS. We will also NOT sell the attendee or exhibitor lists from our shows. We do provide attendee lists to the exhibitors free of charge and as a courtesy for their support, but we NEVER provide this or any other information to independent vendors.

**Gary Reichert,**  
Publisher, Shield Wall Media

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CHECK OUT OUR WEBSITE @  
[readmetalroofing.com](http://readmetalroofing.com)

E-MAIL THE EDITOR AT  
karen@shieldwallmedia.com

# Help Where You Can, When You Can

**D**ear Readers and Advertisers, We are forced to become political, as we did during COVID. This is in response to the war in Ukraine and the general direction of domestic energy and economic policy. We are not pro conservative or pro progressive. We are not pro Republican or Democrat. We are unashamedly, unapologetically and enthusiastically pro common sense, practical solutions and pro America.

We need to increase US domestic oil production. Current policy including but not limited to the Keystone pipeline is problematic. The arguments regarding the number of leases and current production levels are intentionally misleading. For your own business to succeed, you plan years in advance. The current changes and instability of policy make long term investment in domestic oil production risky and unpredictable. This discourages exploration and the development necessary to keep growing production.

Many of the oil producing countries are our direct adversaries. Increasing domestic oil production will damage our enemies economically and make it more difficult for them to wage physical war in Ukraine and economic war globally. It makes no sense to weaken our economy and limit our ability to help our allies

while enriching bad actors and regimes that would do us harm.

The recent talks between Saudi Arabia and China about a settlement system for oil in a currency other than US Dollars is extremely concerning. That would weaken our influence globally and compound inflation domestically.

Producing a larger share of global production will help us maintain the US Dollar as the world's reserve currency. As long as our country operates at a deficit, that is a requirement.

Restricting our energy production, as we have done, is misguided in any context. Arguing to reduce global demand for energy or specifically petroleum products may be valid. Until global demand actually decreases, reducing production in the United States only means production shifts elsewhere, to jurisdictions and locations we cannot regulate or even adequately monitor. If the oil must be produced, the only sensible course is to control the production here, so it is produced as safely, cleanly and efficiently as possible.

If we do think globally, pollution does not just disappear when it is in a different country. Limiting domestic production shifts the environmental damage to a place Americans won't notice. It does not reduce or eliminate it. Not seeing does

not correlate to not occurring.

The key to reducing demand is developing energy sources to replace oil. That only happens with investment in technology. Privately funded R&D occurs when our economy is strong and risk capital is available. Restoring our energy independence is critical to a strong US economy. Restoring energy production will help provide the funding needed for the research to eventually decrease global demand for petroleum products.

We must make it clear that politicians not acting in the strategic and economic interest of the United States will be opposed by every legal means at our disposal.

We have a resource of pre-written letters and links available on every website. It will take you less than 5 minutes to send one of these letters to your Representative, Senator and Governor.

There are detailed instructions on the websites, and printed versions of the letters are included in this issue as well.

You have our permission to share these resources everywhere and by any means.

It is our responsibility to help where we can.

*Gary Reichert, Publisher & CEO*  
gary@shieldwallmedia.com

## CONTACT YOUR REPRESENTATIVES

# Contact Government Reps — It's Easy!

**I**f you would like to reach out to your government representatives about US energy production but are at a loss for words, here are two sample letters for your convenience.

The "Contact Your Representatives" page on the Metal Roofing Magazine website — <https://readmetalroofing.com/contact-your-representative/> — is home to a searchable list of State Representatives, Senators and Governors. Each listing has buttons allowing you to easily send a message. (They are

available digitally on the website so you can easily copy and paste the entire message, or passages that you choose.)

If you would like to snail-mail your representatives, we've formatted the letters on the opposite page so you can scan or photocopy the letter you would like to send. All of the postal mailing addresses are also available at the "Contact Your Representative" page on [readmetalroofing.com](https://readmetalroofing.com).

---

## Letter Expressing Your Support

Dear

Thank you for supporting American energy independence.

Current foreign events clearly demonstrate an item that seems to be common sense. The world is safer when the United States has a strong economy and energy independence.

Please fight to make the USA resume being a net exporter of petroleum products.

To that end I urge you to:

- Allow exploration in the Arctic National Wildlife Refuge and off-shore in US territorial waters.
- Resume the Keystone Pipeline
- Encourage and assist domestic energy companies (both petroleum and renewable) in any reasonable manner. This includes reallocation of stimulus funds to energy production and independence where possible.

These should be done safely and in an environmentally responsible manner, but they are critical to the future of our country. But they need to be done now.

The increasing the availability of energy would allow our economy to grow, mitigate inflation, reduce operating expenses and disrupt the cash flow of our enemies on the world stage.

In combination with sanctions against Russian Energy, it would benefit our strategic allies and the people of Ukraine.

But action must be taken now.

I have taken valuable time from running my business to express my opinion. Like most entrepreneurs, I would prefer to allocate this time and effort to growing my business and providing a better life for my employees and my family.

On behalf of the small business people that provide over 60% of private sector jobs, please restore US energy independence, grow our economy and undermine our enemies.

It is the right thing to do for us and the struggling innocent people in Ukraine.

*Sincerely,*

## Letter Expressing Your Disapproval

Dear

I urge you in the strongest terms within my capability to pursue American energy independence.

Current foreign events clearly demonstrate the world is safer when the United States has a strong economy and energy independence.

Please fight to make the USA resume its position as a net exporter of petroleum products.

To that end I urge you to:

- Allow exploration in the Arctic National Wildlife Refuge and off-shore in US territorial waters.
- Resume the Keystone Pipeline
- Encourage and assist domestic energy companies (both petroleum and renewable) in any reasonable manner. This includes reallocation of stimulus funds to energy production and independence where possible.

These should be done safely and in an environmentally responsible manner, but they are critical to the future of our country.

World oil consumption has continued to increase until the COVID Pandemic began in 2019. Until renewable energy is viable on a larger scale, oil usage will continue to increase. Energy produced domestically is produced more cleanly and with less negative environmental impact than the same products from Russia, the Middle East or South America.

Producing domestically is cleaner, less expensive to transport and grows our economy.

The United States consumes approximately 20% of the world's petroleum products. Until we can reduce the petroleum requirements of the other 80% the only responsible course is to control as much of the global production as possible. Then we know it will be clean, efficient and environmentally responsible.

Increasing the availability of energy would expand our economy, mitigate inflation, reduce operating expenses and disrupt the cash flow of our enemies on the world stage.

Please take the strategically, environmentally and economically sensible action.

Data shows that our production does not affect global demand. That makes the only responsible action controlling as much petroleum production as possible.

In combination with sanctions against Russian energy, it would benefit our strategic allies, the people of Ukraine and the ecosystem. It is the right thing to do for the entire world and for the innocent people in Ukraine.

*Sincerely,*



## Coverttech Parent Company Acquires Reflectix Insulation

Balcan Innovations Inc., the parent company of Coverttech Flexible Packaging, which manufactures rFOIL insulation, has acquired Reflectix Inc.

“The acquisition of Reflectix brings the two top reflective insulation and radiant barrier manufacturers under one umbrella at Balcan Innovations,” says John Starr, Vice President, Coverttech/rFOIL Division. “We will continue to manufacture products recognized for their thermal performance and ease of installation for a growing number of markets.”

Eric Orologio, president of Balcan, says the acquisition demonstrates Balcan’s vision to be the North American leader in custom films, flexible packaging and reflective insulation, with a commitment to excellence and innovation.

“We remain committed to the strong partners who have been integral in our success,” says Orologio. “This acquisition will allow us to broaden the range of

solutions to customers while continuing our commitment to quality, innovation and service.”

## Sherwin-Williams Signs On To Grow N. Carolina Production

The Sherwin-Williams Company has announced it signed an agreement with the state of North Carolina, Iredell County and the city of Statesville to significantly expand its architectural paint and coatings manufacturing capacity and establish a larger distribution facility in Statesville, North Carolina. Sherwin-Williams plans to invest a minimum of \$300 million in the project and add more than 180 full-time jobs at the site over the next three years, which would essentially double the existing workforce.

The project will include a 36,000-sq. ft. extension of its existing 200,000-sq. ft. manufacturing facility, the addition of four new rail spurs, as well as the construction of a new 800,000-sq.-ft. distribution and fleet transportation center, which has another 200,000 sq. ft. available for future expansion.

Together, the facility upgrades will add millions of gallons of annual manufacturing capacity and sizable pallet storage capacity to support the company in meeting increasing demand for its architectural paint and coatings products.

The company considered multiple locations for expansion opportunities in a competitive vetting process before

selecting the Statesville facility. Among the reasons the Statesville facility was chosen include its transportation infrastructure, ability to handle expanded capacity and its location that provides for the centralization of existing distribution opportunities for the company’s regional operations. In addition, Sherwin-Williams is pleased with the high quality of its current workforce at its North Carolina facilities and is confident in having continued access to top talent across the state that meets the company’s needs.

Construction is expected to start by the third quarter of this year, with all work slated to be completed by the end of 2024. The manufacturing facility will continue to operate for the duration of the project.

## 2022 Metal Roofing Summit Speakers, Sponsors Revealed

Isaiah Industries has announced the lineup of speakers and top-level sponsors slated to partake in the 2022 Metal Roofing Summit [www.metalroofing-summit.com].

Hosted by Isaiah Industries, the 25th annual Metal Roofing Summit will be held April 26-28 at the University of Dayton Marriott in Dayton, Ohio – the first year ever to be hosted in Dayton. The event, which typically attracts about 125 attendees, offers contractors the opportunity to network and connect

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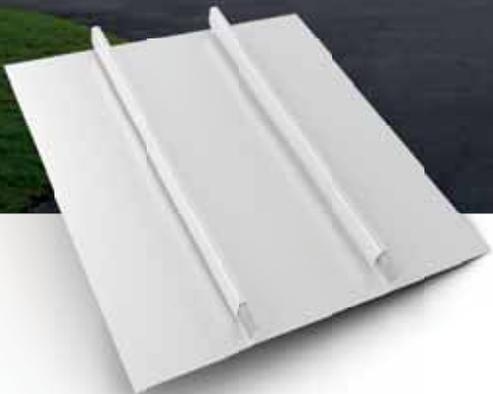


# Memorable Metal



"The metal roof really makes this house unforgettable. If it didn't have the metal roof, the design wouldn't have the same impact. The roof is one of the elements that catches people's eyes. The metal roof makes this house very memorable."

-Brandon Ingram, Architect, C. Brandon Ingram Design



**Snap-Clad**  
Metal Roofing System  
Mill finish

**Tallahassee Residence** Installing contractor: Tallahassee Roofing Architect: C. Brandon Ingram Design  
General contractor: Barton Construction Material distributor: ABC Supply Photo: jeffherrphoto.com



[View the case study](#)



## INDUSTRY NEWS

with fellow industry leaders from around the country.

“Each year, we bring together home improvement contractors from across North America to learn about cutting edge practices and technologies in the areas of marketing, lead generation, job estimating, sales, and leadership,” said Todd Miller, CEO of Isaiah Industries.

Featured speakers include:

Joe Talmon, Dave Yoho Associates:  
The Leadership Your Company Needs

Frank Farmer, American Metal Roofs:  
Positioning Yourself for Growth

Joseph Hughes, Contractor Dynamics:  
Take Control of Your Marketing

Dr. Melissa Furman, Career  
Potential: Managing and Leading a  
Multigenerational Organization

Additional speakers include Gordon Fairbanks, Megan Beattie, Chuck Thokey, and Todd Miller with topics such as selling your business, effective appointment setting, the prospect experience, and the future of construction.

The sponsor list continues to grow, but currently includes Built-Right Digital, Ingage, Dividend Finance, Sumo Quote, Metal Roofing Consultants, The Best Postcards, and the Metal Roofing Alliance.

### New Sales Reps Join Levi's Building Components

Levi's Building Components [www.levisbuildingcomponents.com] has

announced Brian Quast and Joe Danciu have joined the company as Field Sales Representatives.

Brian Quast will be representing Levi's Building Components in Minnesota, North Dakota, and South Dakota.

Joe Danciu will be representing Levi's Building Components in Florida and Alabama. Both Brian and Joe have extensive experience in the lumber and construction industries.

Levi's Building Components is a family owned, national supplier of metal roofing products located in Ephrata, Pennsylvania.

### Gulf Coast Supply Location Achieves OSHA-Recordable Milestone

Gulf Coast Supply & Manufacturing (“Gulf Coast Supply”), a trusted name for metal roofing for 25 years, recently celebrated a safety milestone as the company's Montgomery, Alabama, location passed the one-year mark without a recordable incident. This safety achievement spanned both 2021 and 2022.

Shawn Kirk, Gulf Coast Supply's Vice President of Operations, says the Montgomery location “has now achieved a primary metric around our top priority for its first time – safety. These kinds of achievements take a significant commitment from our leadership and team members to achieve.”

The Occupational Safety and Health

Administration (OSHA) defines a “recordable” as any work-related injury or illness that requires medical treatment beyond first aid or results in loss of consciousness, days away from work, restricted work or transfer to another job.

“To achieve this milestone is significant not just to the company, but to our associates in Montgomery,” said Gulf Coast Supply President, Harry Yeatman. “They know they are being led by leaders who value their well-being over all other measures of success.”

The Montgomery location manufactures an extensive array of metal roofing products to Gulf Coast Supply's customers in the Southeast. It is the company's second largest manufacturing facility.

### CIDAN Machinery Group Acquires Thalmann Maschinenbau

CIDAN Machinery Group has acquired Thalmann Maschinenbau. CIDAN operates manufacturing locations in Sweden and Austria and has office locations in several European countries, the United States and China. Founded in 1907, it is headquartered in Götene, Sweden.

Thalmann Maschinenbau is a world leading company in long folding technology. The company has a track record of bringing innovations to the market that lead to significant efficiency improvements, cost reductions, and higher precision and flexibility of the folding process. The company was founded in 1960 and operates from Frauenfeld, Switzerland.

With the acquisition of Thalmann Maschinenbau AG, CIDAN Machinery Group is adding another strong brand to its already strong portfolio that includes CIDAN, Forstner and NuIT.

The Thalmann location in Switzerland will remain the major hub for long folder innovation and production. The 50 employees of Thalmann will be joining the CIDAN Machinery Group and remain employed at Frauenfeld. **MR**

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- Snap Lock Panels & more!
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Our most versatile, multiple profile machine.....forming seven 1" and 1-1/2" profiles.

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*and the Florida Roofing & Sheet Metal Expo*

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# RESIDENTIAL

PRIVATE HOME ■ MILLERSBURG, OHIO

#### ROOFING PANELS:

ProVia stamped metal panel,  
Lodgestone Slate

#### COATING:

Kynar 500® FSF®

#### CONTRACTOR:

Yoder Family Roofing,  
Millersburg, Ohio

#### FASTENERS:

1" #10 galvanized screws, ¼"  
hex head

#### SNOW GUARDS:

ProVia

#### UNDERLAYMENT:

Sharkskin Ultra

[www.provia.com](http://www.provia.com)



**T**he owners of this ranch near Millersburg, Ohio, built the home in 1976, and had already replaced their asphalt shingled roof once during that span of time. The original and replacement shingles were functional, but their appearance was a disappointment – the streaking and discoloration of the weathered surface made the otherwise attractive home look “grungy,” in the homeowners’ opinion.

The family knew they wanted the strength and durability of metal – their barn had a standing seam metal roof – but they wanted a more elegant look for their home; something charming and antique-looking, like the roofs of the chalets they had seen on a trip to Switzerland. Their contractor showed the couple samples of each ProVia metal roof profile and color, and took them to see a few installed roofs nearby. The homeowners chose Lodgestone Slate, an earthy tone of brown and tan that would complement their house and landscaping.

The asphalt tear-off and installation of the new roof went smoothly. The crew would tear off a section of asphalt shingles in the morning and install the metal roof system in its place that afternoon, ensuring that the roof remained weatherproof during the entire process. On some of the more challenging areas, where the peaks and valleys meet, the Yoder Family

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INCREASE YOUR PROFITS WITH  
PROVIA METAL ROOFING



ProVia Metal Roofing is **more profitable per square** than asphalt roofing. It's the next generation of metal roofing—a premium stamped panel roof system that elevates your product offering, provides long-term ROI, and boosts your bottom line as well.



DOORS | WINDOWS  
SIDING | STONE | ROOFING

SCAN TO  
LEARN MORE



Roofing crew received support, advice, and on-site training from ProVia metal roofing installation instructors who came out to see their progress – and treated them to pizza!

The homeowners are extremely pleased with the overall appearance of their new roof – the charm of authentic-looking slate shingles, the earthy color of the Lodgestone panels, even the unique diamond-shaped snowguards. They feel that they made a wise long-term investment in the value of their home. And contrary to popular belief, the metal roof is not noisy during a rain shower; the homeowners are pleasantly surprised by the peaceful, soft sound of rain pattering on their new roof.





## THE DM-ARM HAS YOUR BACK!

*Drexel Metals Association of Regional Manufacturers (DM-ARM) is a comprehensive portable roll former program designed to help you meet building codes and build your brand locally. The Drexel Metals DM-ARM program allows installers and regional manufacturers to grow their businesses by offering better local control, greater profits, freight savings, less scrap, and the ability to provide metal roofing on-demand.*

*As a DM-ARM member, Drexel Metals becomes your “back-office partner”, allowing your team to spend more time in the local market!*



Become a member at  
[www.drexmet.com](http://www.drexmet.com).

### Sell More with the Roofing Passport

Exclusive to DM-ARM members, the Sherwin-Williams® Roofing Passport is a groundbreaking platform that simplifies metal roof estimation and ordering. As a fully automated program, this digital platform enables project estimation in one click. The Sherwin-Williams Roofing Passport creates a powerful link between EagleView's highly accurate roof measurements and SmartBuild's automated estimation software, creating an easy-to-use bidding platform.

Learn more at [www.drexmet.com](http://www.drexmet.com)



## PROJECT

# COMMERCIAL

## CAR WASH & PET WASH ■ ADAMSTOWN, PENNSYLVANIA

### ROOFING PANELS:

AB Martin Roofing Supply, PBR Panel, Textured, Colonial Red

### CONTRACTOR:

LL Groff and Son

### INSTALLER:

LL Groff and Son

### SNOW MANAGEMENT:

Levi's Building Components, SnowDefender 4500

### OTHER:

MSW Trusscore hidden fastener liner

[www.levisbuildingcomponents.com](http://www.levisbuildingcomponents.com)

**C**omplete replacement of an old car wash. PBR Panel roof over purlins. Car wash now also includes an automatic bay and pet wash. Good use of the Levi's 4500 SnowDefenders on roof.



**DRIPSTOP**  
Condensation control



# Increase Profits Not Labor Costs

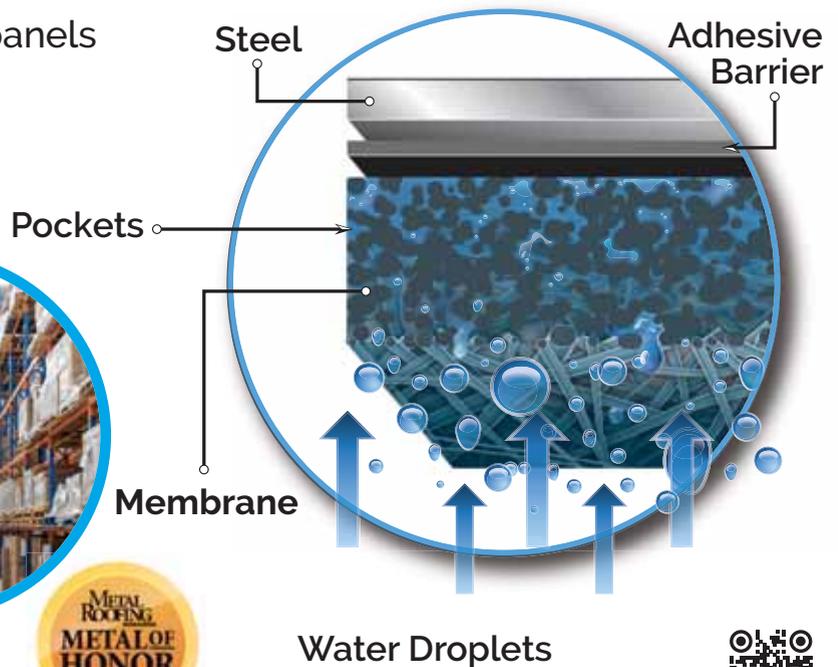
**A Necessity for Any Metal Roofed Building That is Not Climate Controlled.**

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

## Better Science Equals Drier Buildings

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

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



**DRIPSTOP**  
Condensation control



**Fight Condensation Without Insulation**

Ask for it from your preferred steel panel supplier

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

## PROJECT

# RESIDENTIAL

CUSTOM HOME ■ BLOOMINGTON, INDIANA

**ROOFING PANEL:**

Graber Post Buildings Standing Seam, 26 ga.

**ARCHITECT:**

Jordan Miller, in-house design

**INSTALLER:**

Graber Post Buildings, Inc.

**CONTRACTOR:**

Graber Post Buildings, Inc.

**WALL PANEL:**

Graber Post Buildings Board and Batten, 26 ga.

**VENTILATION:**

Graber Post Buildings vented ridge cap

**SNOW MANAGEMENT:**

Levi's Building Components  
SnowDefender 6500

[www.graberpost.com](http://www.graberpost.com)



**G**raber Post Buildings was the general contractor on this custom home build in Bloomington, Indiana. It was outfitted with some of Graber Post's finest products, including the metal Board and Batten siding and Standing Seam/Snap-Lock roofing panels.



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# NONPROFIT

ARTIST'S RETREAT ■ KNOXVILLE, TENNESSEE

## ROOFING PANELS:

RHEINZINK-prePATINA® graphite-grey zinc double-lock standing seam panels, RHEINZINK-prePATINA® graphite-grey zinc flat-lock panels (chimney cladding)

## ARCHITECT:

Sanders Pace Architecture, Knoxville, Tennessee

## CONTRACTOR:

Johnson & Galyon, Inc., Knoxville, Tennessee

## INSTALLER:

Above All Roofing Contractor, LLC

## RAIN HANDLING:

Wood rainscreen siding system

[www.rheinzink.us](http://www.rheinzink.us)



PHOTOS BY BRUCE COLE PHOTOGRAPHY

Set on a 90-acre woodland overlooking the Tennessee River, McDonough House is the first new structure in more than 30 years built at Loghaven Artist Residency in Knoxville, Tennessee. Reflecting the evolving landscape and the original cabin's historical style, the McDonough House features the dynamic, natural beauty and lasting performance of RHEINZINK-prePATINA® graphite-grey zinc material.

The chimney is clad in RHEINZINK-prePATINA graphite-grey flat-lock zinc panels to coordinate with the standing seam roofing panels. Transitioning from the roof to exterior walls, the same zinc material trims the perimeter, softly illuminated at night with concealed LEDs above the exterior windows and sliding doors.

Sanders Pace Architecture's design also features a refined exterior material palette, which includes a bluestone base, bronze railings, a wood rainscreen siding system and mahogany window frames.





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# PROJECT

# MUNICIPAL

## UNION HALL ■ VALLEY VIEW, OHIO

### ROOFING PANELS:

McElroy Metal 138T symmetrical standing seam metal-over-shingle recover system, 16", 24 ga.

**COATING:** Sherwin-Williams Fluoropon PVDF, Medium Bronze

### INSTALLER:

TEMA Roofing Services, Youngstown, Ohio

### SNOW MANAGEMENT:

S-5! ColorGard, 2" strips, Medium Bronze

**SPECIAL DETAIL:** One-piece welded stainless steel at dead valley transitions

[www.mcelroymetal.com](http://www.mcelroymetal.com)



The Bricklayers Local 5 of Valley View, Ohio knew what it was getting into when purchasing a property with two existing buildings, both with failing asphalt shingle roofs. The union's first order of business after acquiring the buildings was solving the roofing problem permanently. They selected McElroy Metal's 138T symmetrical standing seam system and installed this on both buildings: one would become the union hall and the other would be occupied by tenants. "They wanted to install a roofing system that could deliver a low-maintenance, long-lasting solution for decades because the newly acquired property would eventually become the permanent location for their union hall," says Scott Froelich, vice president of TEMA Roofing Services of Youngstown, Ohio. "They knew the benefits of a metal roofing system aligned best with their long-term goals. So, the Bricklayers were able to take advantage of our metal installation capabilities and our cost-saving, design-build services in order to address concerns for existing dormers on both buildings." In regards

to the dormers, TEMA worked with an architect to have designs stamped and certified to meet state building code requirements. In all, 10 dormers were removed from the two buildings, helping to tie in the new metal roofing system with a more sleek, seamless overall appearance. No underlayment meant cost savings. TEMA installed 13,500 square feet of roofing on one building and 15,100 square feet on the other. The installation included a special detail: one-piece welded stainless steel at dead valley transitions to ensure a weather-tight system.



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## PROJECT

# MUNICIPAL

## SANDUSKY COUNTY COMMISSIONERS BUILDING ■ FREMONT, OHIO

### ROOFING PANELS:

20 oz. copper

### METAL SUPPLIER:

Revere / Cornice Works

### ARCHITECT:

Thomas Stuckey,  
Poggemeyer Design Group

### INSTALLER:

Midstate Contractors, Inc.

### UNDERLAYMENT:

Carlisle WIP 300HT and  
Red Rosin

### FASTENERS:

Stainless-steel screws

### VENTILATION:

Midstate Contractors Inc.  
ridge vents, existing soffit

[www.midstatecontractors.com](http://www.midstatecontractors.com)



**T**his project involved the removal of existing slate and a chimney, sheathing repair, the installation of 20-oz. copper standing seam on the entire roof and conical roof, and fabrication of 20-oz. copper lined stone box gutters. Midstate Contractors also completed masonry repairs and installed a roof hatch and capstones.



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# RESIDENTIAL

PRIVATE HOME ■ AUSTIN, TEXAS

**ROOFING PANELS:**

McElroy Metal, Double Lock Standing Seam, Charcoal Grey

**ARCHITECT:**

Bercy Chen Studios

**CONTRACTOR:**

Green Knight® Metal Roofing

**INSTALLER:**

Green Knight® Metal Roofing

**UNDERLAYMENT:**

Titanium WIP

**COATING:** Kynar

[www.greenknight.com](http://www.greenknight.com)



**W**e were approached by the architect to replace the roof on one of their projects. The prior installer had not done a good job with regards to assuring the cantilever structure was water tight. We were able to achieve the desired results by using a combination of water and ice protection, custom flashing, crickets and a custom-made metal band around the perimeter of the columns. And, it turned out beautifully!





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# RESIDENTIAL

PRIVATE HOME ■ LIVE OAK, FLORIDA

**ROOFING PANELS:**

Reed's Metals of Horseshoe Beach, Residential M panel

**INSTALLER:**

Ben Hingson

**CONTRACTOR:**

Ben's Barns and Roofs

**UNDERLAYMENT:**

Synthetic

**FASTENERS:**

Atlas Ultimates

**VENTILATION:**

Flex-O-Vent

[www.reedsmetals.com](http://www.reedsmetals.com)



The homeowner's goal was to design a custom house with all the comforts of a farmhouse-style home with a rustic barn look. The barndominium style has always been appealing to them and they wanted a simple design that was durable and low maintenance. They love the contrast of the white metal siding with the sleek black roof. The large porch and wooden crows foot trim on the front of the house is stunning and adds the right amount of character to their home.





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# COMMERCIAL

## TONewood BREWING COMPANY ■ BARRINGTON, NEW JERSEY

### ROOFING PANELS:

Everlast Metals, 24 ga.

### COATING:

ASL150 Striations in Dark Gray  
Fluropon finish

### SOLAR MOUNTING:

S-5! PVKIT

### ARCHITECT:

Bohlin Cywinski Jackson,  
Philadelphia, Pennsylvania

### STRUCTURAL ENGINEER:

Mulhern & Kulp, Ambler,  
Pennsylvania

### INSTALLER:

Topline Construction,  
Conshohocken, Pennsylvania

### FASTENERS:

Triangle Fastener Concealer  
Ultra Low Profile Screws; ST  
Fastening Systems ST Rivet,  
Dark Charcoal

[www.everlastmetals.com](http://www.everlastmetals.com)



**T**onedwood Brewing is a destination style micro-brewery in Barrington, NJ, just across the Delaware River from Philadelphia. Designed by Bohlin Cywinski Jackson Architects, the structure includes a renovated 20,000 sq. ft. lumber yard built in the 1800s, and a small addition to create a state-of-the-art brewery that features 30' tall grain silos. While the facility gives them the capacity to significantly increase output, the 5,000 sq. ft. of retail space – split among an outdoor beer garden, takeaway counter, elevated observation mezzanine, and a sprawling tasting room – has been designed to immerse customers in the production process.



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# PROJECT

# RESIDENTIAL

## FARMHOUSE ■ MANHEIM, PENNSYLVANIA

### ROOFING SYSTEM

#### MANUFACTURER:

Glick Metals LLC

#### ARCHITECT:

Quality Design & Drafting

#### INSTALLER:

MR Roofing

#### CONTRACTOR:

Stable Hollow Construction

#### ROOFING PANELS:

Glick Metals 1 1/2" Snaplock

#### COATING:

Kynar

#### VENTILATION:

Snap-Z Ventilation

#### FASTENERS:

Triangle Fastener Corp. 1" ULP

#### SNOW MANAGEMENT:

Levi's Building Components  
6500 Series SnowDefender

#### UNDERLAYMENT:

Tiger Paw

<https://snapzvent.com/>





**T**he customer wanted their new house to replicate an old farmhouse. The silver metallic standing seam roof is a classic farmhouse detail.



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# PROJECT

# NONPROFIT

HECKRODT NATURE CENTER ■ MENASHA, WISCONSIN

**ROOFING PANELS:**

EDCO Products, ArrowLine  
Slate T-Tone Blend

**FASTENERS:**

EDCO roofing clips, Shingle  
Clips, Valley Clips, #10 Mill  
Finish Zip Screws

**SNOW MANAGEMENT:**

Sno Gem

**CONTRACTOR:**

Altitude Exteriors

**OTHER:** EDCO Products fascia  
and rainware in Wickertone

[www.edcoproducts.com](http://www.edcoproducts.com)



**T**he asphalt roof on the Heckrodt Nature Center had started to leak. Kelsey Parry, Site Manager for the nature center, began to look for a more durable roofing product. Parry reached out to EDCO Products to learn more about their products and the benefits of metal roofing. The Center considered several types of metal for their facility, including standing seam, but ultimately selected EDCO's roofing because of its appearance and durability. EDCO introduced Parry to Altitude Exteriors, a contractor with several years of experience working with EDCO's roofing products. Mike Goebel, owner of Altitude Exteriors, explained that the project was challenging due to the number of valleys and roof pitches his team had to work around. However, he noted that they love working with EDCO because it is very versatile and offers several sizes for accessories which contributes to an easy installation. The Center is very pleased with the appearance of their new roof and the fact that it won't need to be replaced as frequently as typical asphalt roofing.



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SCAN ME

# PROJECT

# RESIDENTIAL

PRIVATE, LOG HOME ■ MIDDLEBURY, INDIANA

**CONTRACTOR:**

Premier Roofing, Nappanee, Indiana

**ROOFING PANELS:**

Premier Roofing Standing Seam 1½” snap lock, Textured Charcoal Grey

**COIL SUPPLIER:**

Coated Metals Group

**UNDERLAYMENT:**

Titanium UDL30

**FASTENERS:**

Direct Metals, Inc.

[www.premierroofingindiana.com](http://www.premierroofingindiana.com)



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# RESIDENTIAL

PRIVATE HOME ■ AUSTIN, TEXAS

#### ROOFING PANELS:

Western States Metal Roofing,  
standing seam, Copper Green

#### INSTALLER:

Green Knight® Metal Roofing

#### CONTRACTOR:

Green Knight® Metal Roofing

#### UNDERLAYMENT:

Viking Armour

#### VENTILATION:

Soffit and ridge vent

[www.greenknight.com](http://www.greenknight.com)



**T**he client's prior roof was a beautiful aged copper aluminum shake roof. The roof was damaged by a falling tree. Unfortunately, the original material was no longer available for a repair. As a replacement, the client chose a beautiful standing seam roof in Copper Green From Western States Metal Roofing, expertly installed by Green Knight®. This fantastic print will appear very differently in various lightings and will shimmer in the bright sunlight.





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# PROJECT

# MUNICIPAL

VISITOR'S CENTER ■ COLORADO SPRINGS, COLORADO

#### ROOFING PRODUCTS:

Drexel Metals DMC 200S, 2" mechanically seamed COR-TEN steel, 22 ga.

#### ARCHITECT:

GWWO Architects; Architect of Record: RTA Architects

#### CONTRACTOR:

GE Johnson Construction

#### INSTALLER:

Weathercraft Company, Colorado Springs, Colorado

#### SNOW MANAGEMENT:

S-5! ColorGard

#### INSULATION:

3/4" Fire rated Certified Forest Stewardship Council (FSC) over 8" ACH Foam Control Plus

#### UNDERLAYMENT:

Meta-Shield High Temp

To minimize working at altitude, the team pre-manufactured the entire building shell at a lower altitude in prefabrication shops.

[www.S-5.com](http://www.S-5.com)





**S**tanding at 14,115 feet above sea level, Pikes Peak is home to majestic views, a National Historic Landmark, more than a half a million visitors per year, and for the past three years, the highest construction site in North America. The \$60 million, 38,000-square-foot visitor center, Pikes Peak Summit Complex, opened in June 2021 and is a popular tourist attraction to visitors near and far.

Clad in material similar to Pikes Peak granite and designed for visitors to take in its surrounding beauty, richness and scenery, this two-building campus features a visitor's center with dining and rooftop terraces, a utility facility, and a high-altitude research and communications center. It has multiple observation decks offering sweeping views and features interpretive outdoor exhibits and digitally interactive displays on the history, significance and geology of Pikes Peak.

The center features a Drexel Metals 22-gauge DMC 200S, 2" mechanically seamed COR-TEN steel standing seam roof with S-5! ColorGard® snow retention. Also known as weathering steel, COR-TEN features a characteristic weathered look and rusted appearance.

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# ACADEMIC

COMMUNITY CENTER ■ CHICAGO, ILLINOIS

**ROOFING PANELS:**

PAC-CLAD | Petersen,  
Snap-Clad

**WALL PANELS:**

PAC-CLAD | Petersen  
corrugated, Sky Blue

**ARCHITECT:**

Koo Architecture, Chicago

**INSTALLER:**

Progressive Dynamics,  
Streamwood, Illinois

**CONTRACTOR:**

Progressive Dynamics,  
Streamwood, Illinois

**COATING:** Kynar

**UNDERLAYMENT:**

WIP 300 HT

[www.pac-clad.com](http://www.pac-clad.com)



Designers with the local firm Koo wanted to ensure playfulness was a part of the 40,000-sq.-ft. plan, which includes a Chicago Public Library branch, childcare center offering pre-K education and a community center with meeting rooms. That's where both the swoopy exterior and interior courtyards/light wells come in. To clad the courtyards, though, architects opted for metal wall panels in an eye-catching shade of blue. Its wavy façade and oversized windows emphasize a sense of welcome and fun that is underscored in the design of two interior courtyards, clad in Sky Blue metal wall panels, that help bring the outside into this substantial building's interiors.





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## PROJECT

# RESIDENTIAL

LAKE HOUSE/GARAGE ■ LAKE GENEGANSTLET, NEW YORK

#### ROOFING PANELS:

ABC 16" SnapLock Panel,  
26 ga.

#### INSTALLER:

Bard Roofing

#### INSULATION:

Under roof: 1-1/2" board; under  
siding: 1/2" fan-fold

#### UNDERLAYMENT:

Kirsch Building Products,  
Sharkskin®

#### FASTENERS:

Pancake head screws

[bardroofing@gmail.com](mailto:bardroofing@gmail.com)



**T**his summer home built with ABC Snaplock standing seam paneling has no insulation. This was an open-rafter project that needed a one-layer asphalt rip. We first put down 2x4s and screwed them to the rafters, then filled the voids with 1-1/2" insulation. Once this was done, we screwed panels to

the 2x4s.

We were the fifth contractor to look at the garage and the only one to give the owners a quote. The panels on the sides are installed in custom J-channel with drain holes drilled in them. The transition metal at the top was also custom. The real challenge was the



dormers; they were stripped in all new metal.

The roof on the house took our four-man crew only four days to complete, while the garage took about 12 days. The two roofs are both approximately the same size, so you have an idea of how challenging and complex the roof is.

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## PROJECT

# RESIDENTIAL

PRIVATE HOME ■ SIDNEY, OHIO

#### ROOFING PANELS:

Classic Metal, Country Manor Shake, Shake Gray

#### COATING: PVDF

#### FASTENERS:

Simpson stainless-steel ring shank nails

#### INSTALLER:

Schroer & Sons Metal Roofing

#### UNDERLAYMENT:

Roof AquaGuard MT Ice and Water Shield, PermaFelt Gold

#### VENTILATION:

Lomanco box vents

#### SNOW MANAGEMENT:

Sieger snow guards (not installed yet)

[www.roofaquaguard.com](http://www.roofaquaguard.com)



**R**yan Schroer, owner of Schroer & Sons Metal Roofing, is a longtime installer of Classic Metal Roofs. Last year, he installed one on his own home in Sidney, Ohio. Since Ryan and his team have installed many Classic Metal roofs, he knew exactly what he was looking for on his house. He wanted Country Manor Shake for the superior durability, limited Lifetime Warranty and beautiful wood shake appearance. He chose the Shake Gray color to complement his home and show off the steep slope of his roof. His team got to work, putting their expertise to good use. One detail to note is the cupola, finished with Classic's Oxford Shingle in Copper Penny. The garage is also faced in Regal White Oxford Shingle. The finished project is a beautiful, lifetime metal roof for Ryan and his family to enjoy for years to come.









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**\*More profiles on website**

# ACADEMIC

CHERRY FORK SCHOOL ■ OAK HILL, OHIO

**ROOFING PANELS:**

Cherry Fork Metals, 1-3/4" Snap-Lock, galvanized, 22 ga. (roll formed on site)

**INSTALLER:**

Cherry Fork Metals

**CONTRACTOR:**

Randy Evans Construction

**TEAR-OFF:**

Ohio Valley Roofing Systems

**UNDERLAYMENT:**

Ft Synthetics Platinum HTSA

**SNOW MANAGEMENT:**

S-5!

**COATING:**

Becker Group, BeckryTex, Burnished Slate

**COIL SUPPLIER:**

Hixwood

**Phone: 740-637-0657**



**C**utting corners is not a recommended way to save money when it comes to roofing. That was a hard lesson learned by a school in Southwest Ohio, which had originally chosen metal roofing, only to be persuaded to use asphalt due to the cost savings. The new roof failed after 15 years. Albert Shrock, owner of Cherry Fork Metals LLC, was subcontracted for the re-roofing project. He said the reason behind the failure were obvious: The new roof was too flat for shingles. "It was designed for metal, and it was only a 2.5/12 pitch. They put shingles on it, and it leaked from day one."



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# PROJECT

# MUNICIPAL

## PUBLIC SERVICE COMPLEX ■ SAN MARCOS, TEXAS

### ROOFING & WALL PANELS:

All 24 ga.: MBCI SuperLok, Galvalume Plus; PBR, Slate Gray; PBR, Hawaiian Blue; PBR, Galvalume Plus; PBR, Ash Gray; Artisan, Galvalume Plus; Artisan, Hawaiian Blue; Artisan, Polar White; Perforated Artisan, Hawaiian Blue; PBC, Galvalume Plus; FW-120, Hawaiian Blue; FW-120, Galvalume Plus; FW-120, Slate Gray; Masterline, Charcoal; and 7.2 Panel, Hawaiian Blue

### ARCHITECT:

Lawrence Group Austin, Texas

### INSTALLER:

Red Dot Buildings

### CONTRACTOR:

Flinto LLC, Houston, Texas

### SOLAR MOUNTS:

360 kw-ac solar array BC

[www.mbc.com](http://www.mbc.com)



**B**ringing agencies to a modern centralized location, the City of San Marcos, Texas, constructed nine buildings on a single site. A consistent design element throughout the new Public Service Complex was metal roofing, wall panels and components from MBCI.

The complex provides a flexible office space with natural daylighting to all the occupants; every building within the complex gives the occupants the ability to see the day shift from morning to evening.

Also, the Lawrence Group and the city had sustainability and resiliency in mind. Metal is a great sustainable option because of its durability, long life cycle and recyclability. A 360 kw-ac solar array was integrated, as well as four 18,000-gallon rain collection tanks for irrigation, two 750 eKW, 938 kVA back-up generators with a 2,700-gallon capacity tank per unit, with a third option design for future connection. Also, two 1,000-gallon fuel tanks are on-site for emergency use. (This project was also designed as the emergency operations center in the event of a major catastrophic event.)

Red Dot Buildings of Athens, Texas, designed, fabricated and erected the pre-engineered metal buildings and installed the MBCI metal roofing and wall panels.

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ICC ES MIAMI-DADE COUNTY APPROVED

# PROJECT

# RESIDENTIAL

## PRIVATE HOME & BARN ■ MICHIGAN

### ROOFING & WALL PANELS:

Wick Steel, Charcoal Gray roof;  
Alpine White walls

### FASTENERS:

Wick Premium Fasteners

### VENTILATION:

RV-35

### INSULATION:

Spray foam, roof and walls

### OTHER:

Perma-Column; Pella windows  
and doors; (4) cupolas with  
glass windows; Wick split  
sliders; polycarbonate eave  
lights

[www.wickbuildings.com](http://www.wickbuildings.com)





## *Official Nomination Form*

---

Name of Nominee: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Email address: \_\_\_\_\_

Telephone: \_\_\_\_\_

Company/Position: \_\_\_\_\_

If retired, most recent position held: \_\_\_\_\_

Professional Achievements: \_\_\_\_\_

Association Affiliations & Offices Held: \_\_\_\_\_

Years in the Construction Industry: \_\_\_\_\_

Nominated By (name): \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Email address: \_\_\_\_\_

Telephone: \_\_\_\_\_

Title/Company: \_\_\_\_\_

Relationship to Nominee: \_\_\_\_\_

Please describe why this person should receive the Shield Wall Media Building Progress Award.  
How have they influenced or advanced the construction industry?

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

---

**Email the completed form to one of the editors.**

**Questions? Contact an editor:**

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Linda Schmid: 920-659-6319; linda@shieldwallmedia.com  
Anthony Brass: 920-455-5118; anthony@shieldwallmedia.com

Mail To:  
Shield Wall Media  
ATTN: Editors – Building Progress  
PO Box 255  
Iola WI 54945

## PROJECT

# NONPROFIT

**ST. PETER LUTHERAN CHURCH**  
■ **NORTH JUDSON, INDIANA**

**ROOFING PANELS:**

Premier Roofing, Mansard Brown, 24 ga.

**COIL SUPPLIER:**

Coated Metals Group

**FASTENERS:** Direct Metals, Inc.

**UNDERLAYMENT:** Titanium

[www.premierroofingindiana.com](http://www.premierroofingindiana.com)



# PROJECT

# RESIDENTIAL

## RESIDENCE ■ JACKSON, TENNESSEE

### PRODUCT:

Reed's Metals Residential Panel,  
Cocoa Brown roof and trim, 29 ga.

### FASTENERS:

Atlas Bolt & Screw

### VENTILATION:

Ventco hip/ridge vented closures

### SEALANT:

Novagard Sealant; Peel & Seal  
Hiptape, GSSI Butyl Tape, Dektite  
pipe boots

### INSTALLER VOLUNTEERS:

Tommy Roberts, Robert's  
Construction  
Zach Mitchell, 3M Builders  
Marcus Mitchell, 3M Builders  
Caleb (Bob) Mitchell, 3M Builders  
Soloman Helgland, 3M Builders  
Javen Stolltzfus, 3M Builders  
Andy Colblentz, Luke Miller's crew  
Ted Colblentz, Luke Miller's crew  
AJ Plunk, Breaking Ground  
Construction  
Jeremy Redfern, Breaking Ground  
Construction  
Austin George, Breaking Ground  
Construction

[www.reedsmetals.com](http://www.reedsmetals.com)



One of the ways Reed's Metals strives to make a difference in their community is each year, through the Covering the Community program, they donate a free metal roof to a family in need.

Andrew Lindsey, General Manager of Reed's Metals in Jackson, Tennessee, and his team worked with local teams and contractors to install a new roof for their 2021 Covering the Community Winner, Rocky Reeves. The total time of install was roughly 20 hours.



# COMMERCIAL

## METAL WORKSHOP ■ ANY TOWN, USA

### DESIGN SOFTWARE:

Chameleon Power 3D Technology

### ROOF PANELS:

Central States Horizon-Loc, 26 ga., Forest SMP

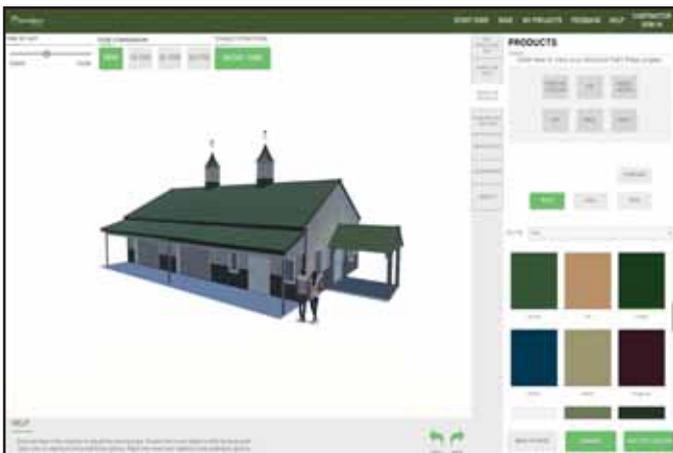
**ROOF PITCH:** 6:12; lean-to: 3:12

### WALL PANELS:

Central States Wainscot, R-Loc, 26 ga., Burnished Slate SMP

**OTHER:** 2 octagon horse cupolas; Premium walk door; Janus roll-up doors

[www.chameleonpower.com](http://www.chameleonpower.com)



This Metal Workshop was designed and specified with materials in minutes using 3D visualization technology. Starting from one of many structure packages, this 1500 sq. ft. metal building was customized with structural elements including a lean-to, porch, windows, doors, skylights, copulas, and an interior liner package. Material selection was completed interactively with every option for color, finish, and type of metal roofing, walls, trim, soffit, and more seen in life-like 360° views. Finally, take advantage of the time-of-day lighting, fade-comparison, and toggling between a structure and full design view to provide a level of project confidence and transparency never available before.

# SPECIAL USE

EQUIPMENT STORAGE/SHOP ■ OWEN, WISCONSIN

**SIZE:** 48' x 64' x 16'

**ROOFING PANEL:**

Hixwood Textured Super-Rib  
100, 28 ga.

**COATING:**

Becker's BeckryTex, Burgundy

**FASTENERS:**

East Coast Fasteners Extreme  
Ply-Lo #10

**CONTRACTOR:**

M.Z. Construction

**INSULATION:**

Owens-Corning fiberglass batt;  
Applegate cellulose in ceiling

**VENTILATION:** MWI

Components vented soffit

**OTHER:**

Hixwood White Liner Panel, 29 ga.  
Eave light: Palram polycarbonate  
panels

[www.hixwood.com](http://www.hixwood.com)



The owner needed space for machinery storage and a maintenance shop. M.Z. Construction built this Hixwood-designed building, which has a 480 x 40 heated shop on one end. The 2' Palram polycarbonate eave light along the back of the building allows plenty of daylighting.



## PROJECT

# NONPROFIT

## CHURCH ROOF ■ WAKARUSA, INDIANA

### ROOFING PANELS:

Premier Roofing, standing seam,  
Textured Burnished Slate

### CONTRACTOR:

Premier Roofing, Nappanee,  
Indiana

### COIL SUPPLIER:

United Steel Supply

### UNDERLAYMENT:

Titanium

### FASTENERS:

Direct Metals, Inc.

[www.premierroofingindiana.com](http://www.premierroofingindiana.com)



## PROJECT

# AGRICULTURAL

## HEIFER FACILITY ■ MEDFORD, WISCONSIN

### SIZE:

100' x 420' x 12'

### BUILDING SYSTEM:

Hixwood

### ROOFING PANELS:

Hixwood Super-Rib 100, 28 ga.

### COATING:

Becker's Specialty

### CONTRACTOR:

M.Z. Builders

### INSULATION:

Plyco Corp. Ply-Foil

### FASTENERS:

East Coast Fasteners Ply-Lo #10

Extreme w/ 40-year warranty

### OTHER:

Walk doors: Plyco Corp. 95

Series. Overhead doors:

CHI Overhead Doors. J&D

Manufacturing wall curtains.

Palram polycarbonate panels

[www.hixwood.com](http://www.hixwood.com)



**B**randner Dairy wanted to bring its entire operation on-site. Before building its heifer facility, the dairy had always had someone custom-raise their heifers. By bringing everything on-site, they could take care of it themselves without having it hired out.

# ACADEMIC

PALMER TRINITY SCHOOL LIBRARY ■ MIAMI, FLORIDA

**ROOFING PANELS:**

Coastal Metal, 5V crimp, 1.5" mechanically seamed, 24-ga. Galvalume

**INSTALLER:**

Isaac's Roofing & Insulation Corporation

**FASTENERS:**

1.25" steel ring shank nails, 4" OC

**UNDERLAYMENT:**

#30 Paper

**FIRE BARRIER:**

Versashield

**COIL SUPPLIER:** Drexel Metals

[coastalmetalsales.com](http://coastalmetalsales.com)



Palmer Trinity is a private learning institution that takes pride in its architecture and building standard. Their goal when choosing a metal roofing system was to both match their modern aesthetic and facilitate the most durable roofing solution for their faculty and students. The owners chose metal since it has the highest wind rating with a high-slope roof system. The building maintains its symmetrical cross shape for a religious statement.



PHOTO CREDIT: ALBERT DEL SOL



## CASE STUDY



Duranar coatings have provided the David L. Lawrence Convention Center with a more sustainable and durable solution for its metal roof and wall panels.

# David L. Lawrence Convention Center Pittsburgh, Pennsylvania

Pittsburgh facility was coated to save energy and maintenance

### Project Overview

**T**he David L. Lawrence Convention Center opened in Pittsburgh in 2003 as the world's first certified green convention center. Today, it remains one of the largest LEED Gold-certified buildings in the world.

Encompassing more than 1.5 million square feet of exhibit and meeting space, the building is a foremost example of an architect integrating the full spectrum of PPG architectural coatings and paints into a single building.

In this instance, the primary goal of the architect was to create an environmentally advanced structure that would repay its energy investment in less than 10 years. The building features a number of energy saving features, including a cooling plant that runs on water drawn from an underground aquifer; natural cross ventilation created by river currents collected by the center's swooping roofline; and a gray water system that recycles half the center's water, saving an estimated 6.5 million gallons of water per year.

### Unconventional Coatings

Used inside and outside, PPG coatings and paints were instrumental to the environmental performance of the building. On the exterior metal building panels and skylights, various shades of PPG DURANAR coatings provide extended durability, which reduced the need for repainting and other kinds of maintenance.

Trusted for over 50 years as a corrosion-inhibitive primer and

**OWNER:** Sports & Exhibition Authority of Pittsburgh and Allegheny County

**ARCHITECTS:**

Rafael Vinoly Architects, New York

Burt Hill Kosar Rittleman Associates, Pittsburgh

**PPG PRODUCTS USED:**

PPG Duranar Coatings

PPG Pure Performance Paint

fluoropolymer topcoat, Duranar delivers outstanding aesthetics and durability to metal roof and wall panels, and the David L. Lawrence Convention Center is no exception. Duranar coil coating systems meet or exceed FGIA/AAMA 2605 weathering performance requirements and feature PPG-proprietary resin and pigment technologies with 70% fluoropolymer base resins. This industry leading coating delivers proven resistance to color fading, acid rain, ultraviolet rays, chipping and peeling.

Indoors, zero- and low-emitting paints and coatings such as Pittsburgh Paints' Pure Performance paint reduce exposure to airborne toxins while helping to create an attractive meeting and convention environment.

A large percentage of materials used to construct the building, including those from PPG, were manufactured with recycled content and within a 500-mile radius of Pittsburgh. **MR**

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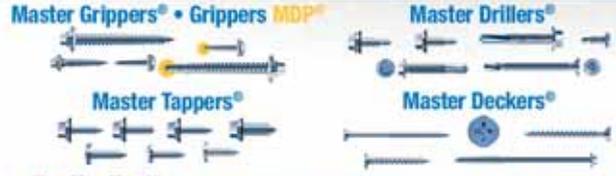
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# PRODUCT PROFILES

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### Ventco

ProfileVent is a single-layer ridge vent designed for metal roofs, specifically cut to fit more than 50 profiles. Mongoose, a ridge vent designed for sloped shingle roofs, has a pressure-sensitive strip to provide permanent adhesion to shingles. RidgeVent is an excellent choice for cedar, asphalt, and slate roofs. Contractor's Choice ridge vent for sloped roofs helps vent the attic. Hip & Ridge Vent is for universal application to any screw-down panels 1/2" to 1 1/2" high. All Ventco products are manufactured in the U.S.

[www.profilevent.com](http://www.profilevent.com)  
833-300-9515



### MWI Components

MWI offers a large color palette with over 100 colors for ridge vents to match most roll formers' metal panels. Additionally, MWI supplies Uni-Vent® II and Uni-Vent® III (to ventilate with a ridge cap) and manufactures two high and three low profiles of Ridg-Vents® for outstanding ventilation. To prevent rust stains and ease of handling, the vents have no raw metal edges. MWI Components is the industry's leading manufacturer of steel and aluminum soffit systems. They offer full-vent, center-vent and solid soffit systems with pre-cut or special cut lengths, and sizes ranging from 7-144".

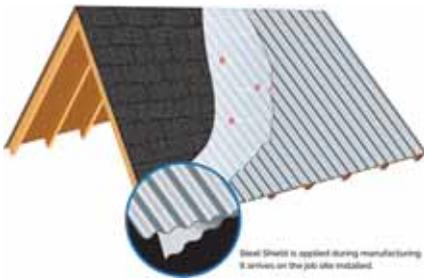
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### Snap-Z

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### Fic USA LLC

Steel Shield is specifically designed for the installation of steel panels directly over asphalt shingled roofs. The exceptionally durable membrane protects the underside of the steel roofing panels against abrasion due to temperature change expansion. Steel Shield saves the time and money typically spent when applying an additional vapor barrier, while eliminating the need for furring strips. Steel Shield can also reduce the need for walking boards since it is factory applied during the panel production process and shows up installed on the panels. From the makers of DripStop.

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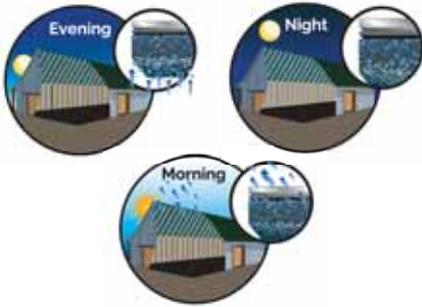
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ADVANCED Architectural continues to manufacture in-house and provides consistent, excellent customer service with their quality gutters, downspouts, elbows, and gutter accessories as well as brake metal to roofers and contractors nationally. Their team concept with dedication, quality control, and commitment goes above and beyond with every customer. ADVANCED has been serving the industry for over 25 years.

[www.advarchsm.com](http://www.advarchsm.com)  
231-861-0050



## Aqua Defender

Aqua Defender creates a lasting barrier between your building's metal envelope and the harmful effects of condensation. Adhered directly to the roof and wall panels during manufacturing, it absorbs moisture, prevents rust from forming, and extends the maintenance-free life of your building. With an easy-release vinyl backer, Aqua Defender applies cleanly and maintains tension for a snug fit.

[www.roofaquaguard.com](http://www.roofaquaguard.com)  
800-543-8938



**MFM Building Products Corp.**

Ultra HT Wind & Water Seal® is a self-adhering underlayment composed of a cross-laminated, non-slip polymer film laminated to a high temperature rubberized asphalt adhesive. It is engineered for use with metal roofing system where extreme heat is generated. The membrane is self-sealing around fasteners and has a slip-resistant surface. The 45 mil underlayment comes in a 36" x 67' roll size, has 90 day UV exposure rating and a 10-year warranty. Made in the USA.

[www.mfmbp.com](http://www.mfmbp.com)  
800-882-7663



**Titanium®**

Titanium® Synthetic and Self-Adhered Underlayment: the premium choice for protection that lasts. Contractors trust Titanium Synthetic and Self-Adhered Underlayment for roofing projects that demand performance. Sure-Foot® Technology creates a safer nodular walking surface that resists tearing and keeps working to help prevent moisture damage and cracking under tough conditions. Choose one of the most preferred premium synthetic underlayment brands—and the ideal choice for asphalt and metal roofing systems. Discover all the benefits of premium synthetic and self-adhered underlayment.

[www.ChooseTitanium.com](http://www.ChooseTitanium.com)  
800-567-9727



**rFOIL Insulation Products (Covertch)**

rFOIL Reflective Insulation is a single or double layer of heavy-duty polyethylene bubble, bonded to two metalized foil sheets. A white interior facing is an option. rFOIL is designed to control heat gain/loss, and prevent interior condensation in all types of post frame, metal building and metal roofing applications. rFOIL provides the best defense against the radiant heat gain/loss that occurs commonly in these systems. The key is the aluminized surface(s), which block 96% of radiant heat transfer.

[www.rfoil.com](http://www.rfoil.com)  
888-887-3645



**Sharkskin**

The Sharkskin line of products is designed to ensure that quality roof installations are not compromised by inferior underlayment products. The state of the art in underlayment is found in Sharkskin, which is the only patented roof underlayment on the market. Sharkskin is 100 percent polypropylene, which gives it the following advantages over competitive products and asphalt felts: Sharkskin Ultra and Sharkskin UltraSA are Poly Foam Approved. Sharkskin Ultra Radiant was developed to exceed California Energy Code Title 24 Standards.

[www.sharkskin.us](http://www.sharkskin.us)  
877-742-7507



**Underlayment Specialties Plus**

RoofTopGuard SA, a certified VOSB, is a self-adhered membrane that performs as a water/ice barrier. Its wide width offers maximum coverage. It also offers aggressive adhesion with the lowest installation temps. RoofTopGuard SA is part of USP's unique high-performance product offering. RoofTopGuard II Premium Synthetic Underlayment was engineered to be the safest, best-performing roofing underlayment in the market. Roofers Choice II Synfelt shares common characteristics found with RoofTopGuard II Premium making it an industry best buy. All products are tested and certified for use under all roofing claddings.

[www.uspunderlayment.com](http://www.uspunderlayment.com)  
267-263-2308



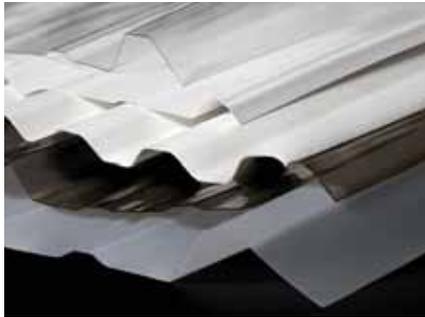
**United Steel Supply**

United Steel Supply provides high-quality flat rolled steel coils. We offer superior customer service, competitive pricing, and just-in-time delivery, allowing us to achieve the highest level of customer satisfaction. United Steel Supply offers Galvalume®, galvanized, and prepainted steel coils for metal roofing and siding applications in the agricultural, commercial, industrial, and residential markets.

[unitedsteelsupply.com](http://unitedsteelsupply.com)  
512-263-0954

# BUILDING/ROOFING SYSTEMS & PACKAGES

SUPPLIES & SOLUTIONS



## Onduline North America

Available direct from the manufacturer, TUFTEX brand polycarbonate and PVC panels offer various 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 2½' to 24').

[us.onduline.com/pro](http://us.onduline.com/pro)  
540-907-8151



## Graber Post Buildings

Graber Post Buildings is excited to announce a new metal profile to our product list. The profile is called the "M-Rib" and is a hybrid between the Standing Seam profile and Ag Panel. It has the unique look and characteristics of the standing seam panel, but installs similar to Ag-Panel with exposed fasteners. This panel is manufactured by our sister company in Versailles, Missouri, Martin Metal. It is produced with the latest roll-forming technology by Bradbury and is available in all of our standard colors.

[www.graberpost.com](http://www.graberpost.com)  
800-264-5013



## Hixwood

Hixwood runs 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, recreational, or agricultural building, we will trim for any application and any size. No one does metal like Hixwood. We stock more, bend faster, and cut closer.

[www.hixwood.com](http://www.hixwood.com)  
715-644-0765



## PAC-CLAD/Petersen

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 factory-produced length is 64 feet and minimum length is 4 feet. Snap-Clad panels feature a 1-3/4-in. leg height and a continuous interlock for improved structural performance and wind resistance. A concealed fastener clip system allows for thermal expansion/contraction.

[www.pac-clad.com](http://www.pac-clad.com)  
800-PAC-CLAD



## 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. Thirteen 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. Dyna-Clips® are available as a Dyna-Guard to Dyna-Clamp connection device when using unpunched Dyna-Guard. A 2" wide painted strip of metal from the same material as the roof is inserted in the Dyna-Guard for aesthetics.

[www.dynamicfastener.com](http://www.dynamicfastener.com)  
800-821-5448



## ProVia

Dealers and installers are now able to meet Florida's code requirements and expand product offerings with the ProVia Metal Roofing System. It's third-party tested and approved for High-Velocity Hurricane Zones (HVHZ) within Florida, including Miami-Dade and Broward Counties. The 4-Point Locking System provides secure panel placement and field anchoring, and withstands wind uplift speeds up to 180 mph. ProVia's metal roofing panels, made with 10% more steel, offer lifetime protection from extreme weather.

[www.provia.com/metal-roofing](http://www.provia.com/metal-roofing)  
800-669-4711



## Reed's Metals

For over 23 years, Reed's Metals, has been an award-winning, industry-leading provider of metal roofing systems, metal roofing panels, post frame, tube buildings and pre-engineered steel buildings. Comprised of 10 locations (8 manufacturing sites and 2 storefronts) with 3 IAS certified plants utilizing state-of-the-art technology and fabrication methods to provide unprecedented quality and service, offering same-day availability on in-stock standard roofing orders and supplies, on-site roll forming for standing seam projects and job-site delivery within 72 hours on most projects.

[www.reedsmetals.com](http://www.reedsmetals.com)  
800-581-4645



## Drexel Metals

Roofing panels from Drexel Metals come in 12 profiles and many panel options and widths to fit a project's exact specifications. Whether the panels are Drexlume, Galvalume, aluminum, copper or lead-coated copper, Drexel Metals' certified on-site manufacturing can help contractors build faster. Available in 28 standard colors plus custom colors and multiple gauges, roof panels and materials from Drexel Metals meet the highest standards of quality and value and are backed by excellent service.

[www.drexelmetals.com](http://www.drexelmetals.com)  
888-321-9630



## S-5!®

ColorGard by S-5! with Versabacket 47, designed specifically for exposed-fastened metal roofs, is the only snow retention system on the market designed and engineered on a site-specific basis.

ColorGard provides the safety you need while complementing the look of your roof, with a clean appearance and perfect color and finish-matching, designed to last the life of the roof.

Extensively tested for load-to-failure results, ColorGard comes with an industry-leading, limited lifetime manufacturer's warranty.

[www.s-5.com](http://www.s-5.com)  
888-825-3432



## The Garland Company Inc.

R-Mer® Span standing seam structural metal roof system can be used on slopes down to 1/4" per foot for both retrofit and new construction. It offers remarkably tight curving capabilities for flexible design to fit your project. R-Mer Span is the ideal application for schools, universities, hospitals, and office buildings, or any areas requiring protection from extreme weather conditions.

[www.garlandco.com](http://www.garlandco.com)  
800-321-9336



## Union Corrugating

For 75 years, Union Corrugating Company has been an "award winning" industry leader serving the residential, commercial, and agricultural metal roofing, building and siding markets from 10 manufacturing facilities throughout the US. We manufacture metal roofing and metal panels that are durable, efficient, and sustainable. Our unique distribution system allow us to provide the fastest and most reliable deliveries in the industry. Our support network ensures our customers get what they need when they need it!

[www.unioncorrugating.com](http://www.unioncorrugating.com)  
888-685-7663



## McElroy Metal

Build with the Best. As an industry leading manufacturer of metal roofing, metal siding, and substructural components, McElroy's products are specified and installed on projects ranging from single-family homes to multimillion dollar commercial projects. McElroy Metal's extensive product line paired with our contractor network makes us the ideal choice for any project.

[www.mcelroymetal.com](http://www.mcelroymetal.com)  
800-950-6531

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# BUILDING/ROOFING SYSTEMS & PACKAGES



## A.B. Martin Roofing Supply

Do you need an extraordinary look for that special project? Aged Metal rustic panels with a 40-year finish warranty will provide that look. The dual-coat Kynar finish has been increasingly popular for exterior and interior projects. Made to custom lengths in all types of panels—including the 1¼" and 2½" corrugated panels, ABM Panel, and 16½"-wide ABSeam Panel.

[www.abmartin.net](http://www.abmartin.net)  
717-500-2753



## ABC Supply

ABC Supply is the largest wholesale distributor of roofing in the U.S. and one of the nation's largest distributors of siding, windows, and other select exterior building products. The company offers a range of roofing materials for low-slope and steep-slope applications, including metal roofing systems from industry-leading manufacturers and an extensive inventory of metal sheet products. The company's product portfolio also includes the tools, accessories, and other materials contractors need to tackle their projects.

[www.abcsupply.com](http://www.abcsupply.com)  
608-362-7777



## Roofhugger, Inc.

Roof Huggers are 10' long, tested, high strength, structurally correct, 16 gauge, 0.060" min., G-90, 50 KSI, "Z" shaped sub-purlins, specifically notched to let the ribs of any existing metal panel pass through the vertical leg of the "Z". This unique retrofit system allows any new metal roof to be installed over an existing metal roof without its removal, saving time and money, and allowing for thermal upgrading of the existing building.

[www.roofhugger.com](http://www.roofhugger.com)  
800-771-1711

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[RaytecLLC.com](http://RaytecLLC.com)

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**Hangtite**<sup>™</sup>  
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**AceClamp®**  
by PMC Industries, Inc.

Designed for areas of the country with moderately heavy snow loads, Color Snap® is our color matching rail-type snow guard system that not only performs in harsh weather conditions, but is aesthetically pleasing. Simply slide roofing material into the rail and ice flags and your snow retention blends right into the roof. All clamps come fully-assembled. Simply snap in your rail and secure. Finish off with our toolless, snap-in ice clips.

[www.aceclamp.com](http://www.aceclamp.com)  
860-773-4144



**Atlas Bolt & Screw**

As a recognized industry leader, Atlas Bolt & Screw offers the widest selection of metal-to-metal and metal-to-wood fasteners. Our Long Life Ultimate Series has you covered for any wood or metal project. Both our Wood Ultimate and Metal Ultimates are backed by a lifetime warranty against red rust. The #12 Metal Ultimate features an EPDM tubular washer and a TCP self drilling point. The #10 Wood Ultimate features a multi-seal washer and a type 17 sharp point. Both are available in a variety of sizes.

[www.atlasfasteners.com](http://www.atlasfasteners.com)  
800-321-6977



**Direct Metals Inc.**

Metal roofing panel quality is such that a 40-year warranty against premature rust is now standard. To complete the system warranty, a long-life fastener should be paired with the panel. The #12 SCAMP 304SS cap metal-to-wood Type 17 point and metal-to-metal self-drill will protect the roof investment with its own 40-year warranty. It is very inexpensive insurance for any roofing project.

[www.directmetalsinc.com](http://www.directmetalsinc.com)  
855-800-8878



**Everlast Roofing**

Designed for performance, Everlast Roofing, Inc. introduces The Answer RDP Woodscrew. Offering a long-life solution over standard fasteners, The Answer RDP Woodscrew performs at the same quality level as all Everlast products. Combining cross alloy mechanical plating with extra UV-resistant pigmentation, the Answer RDP Woodscrew is available to Everlast Roofing customers in 20 colors with a 40-year warranty at an affordable price.

[www.everlastroofing.com](http://www.everlastroofing.com)  
888-339-0059



**Dynamic Fastener**

DYNA-CLAMPS® are a non-ferrous non-piercing clamp for attachments to standing seam metal roofs. Thirteen different DYNA-CLAMPS® with round-point setscrews are available to accommodate many different profiles of standing seam metal roofs. DYNA-CLAMPS® have undergone extensive third-party testing by Encon Technology, Tulsa, Oklahoma. DYNA-CLAMPS® are an integral part of our very popular DYNA-GUARD® snow retention system for metal roofs. All DYNA-GUARD components are extruded from aircraft-quality, high-tensile aluminum "6005A T61 Aluminum."

[www.dynamicfastener.com](http://www.dynamicfastener.com)  
800-821-5448



**East Coast Fasteners**

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. 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](http://www.plyco.com)  
800-558-5895



**Golden Rule Fasteners**

Golden Rule Fasteners stocks a wide variety of fasteners for residential metal roofing, metal buildings, agricultural buildings, storage sheds, and carports. Whether you need fasteners for roofing, siding, or trim, mill finish or color matched to your painted panels, #9, #10, #12, #14, or 5/16" diameter, we probably have what you are looking for. Our extensive inventory allows us to ship most orders the same day they are received. Whether you are looking for a primary supplier or a good backup supplier for those hot orders, we are eager to assist you.

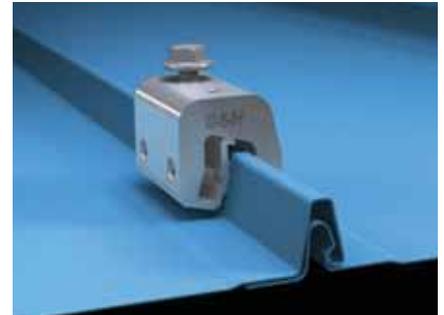
[grfast@centurytel.net](mailto:grfast@centurytel.net)  
334-283-4030



**Triangle Fastener Corp.**

APS500® Advanced Polymer Sealant is engineered to produce superior adhesion to metal, coated metals, aluminum, zinc, brick, wood, PVC and most common construction materials. It is a class 50 sealant that provides exceptional movement capabilities compared to other class 25 sealants. It is NSF registered, UV resistant, paintable, and provides long-life performance. It is formulated to install in temperatures as low as -32°F. Available in 24 standard colors, and in smooth or textured finish.

[www.trianglefastener.com](http://www.trianglefastener.com)  
800-486-1832



**S-5!**

The S-5-N clamp is a non-penetrating, standing seam metal roof clamp for snow retention and other heavy and load-critical applications. The clamp features an innovative insert that ensures a superior fit for new and wider nail strip profiles as well as older ones. It is designed for use on the most popular 1" nail strips, including Taylor Metals' Easy Lock™, ASC Building Products' Skyline Roofing®, McElroy Metals' Meridian, New Tech Machinery's FF100 and roofing types with similar profiles.

[www.s-5.com](http://www.s-5.com)  
888-825-3432



**BECK America**

The patented SCRAIL® ROOFLOC® System was developed to install metal roofing, siding, and interior liner panel quickly and efficiently. Eight times faster than traditional screws and two times faster than collated screws. This performance could only be achieved by the combination of the pneumatic FASCO® Roofing Installation Tool and the SCRAIL® ROOFLOC® fasteners. Decreases time installing screws. Eliminates the need to pre-drill eliminating metal shavings and pigtails. Creates a watertight seal.

[www.beck-america.com](http://www.beck-america.com)  
800-239-8665



**Building Products Development**

Building Products Development (BPD) is a leading metal roof clip manufacturer in the United States. The company offers a full line of high-quality clips and accessories for all standing seam profiles. With large stock readily available, BPD is able to process and ship most orders on the same day.

[www.wegotclips.com](http://www.wegotclips.com)  
866-766-3254



**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](http://www.lelandindustries.com)  
800-263-3393



## ASC Machine Tools, Inc.

ASC's Magnetic Stacker and Roller Drop Stacker feature ASC's legendary built-in-America quality and provide the industry with an affordable solution for the panel stacking process. Both Panel Stacking Systems are available as Single or Dual Height Version and can be added to any existing or new panel rollforming line. Additional options include a pull-in roll for hand-free operation, a floor mounted pneumatic tamper and side discharge conveyors to improve stack accuracy and throughput on your panel line.

[www.ascmt.com](http://www.ascmt.com)  
509-534-6600



## Englert Inc.

The Englert MetalMan FP1300 Panel Rollformer is a state-of-the-art roll-forming machine that runs the A1300 Panel in various gauges and types of materials with minimal adjustment and less scrap. On-site fabrication eliminates shipping damage and short shipments while reducing sizing errors and providing packaging and freight savings. Available in 16-inch and 20-inch coverage. Financing available.

[www.englertinc.com](http://www.englertinc.com)  
1-800-ENGLERT



## 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. With European design coupled with American manufacturing and service, Variobend USA folders are built with you in mind. If you need proof of our quality and service, we are happy to let you talk with Variobend USA owners.

[info@HersheysMM.com](mailto:info@HersheysMM.com)  
877-289-3030



## Metal Rollforming Systems

Metal Rollforming Systems (MRS) is a trusted supplier of equipment to many of the leading carport manufacturers. MRS product lines include panel machine, Hat and C channel lines, as well as trim lines. Trim selection includes ridge caps, L metals, box eaves and more! MRS designs and manufactures all equipment in house and in the USA. MRS also offers accessory items from upenders, slitters, ridge caps and many more. MRS takes great pride in customer support, both before and after the sale.

[www.mrsrollform.com](http://www.mrsrollform.com)  
888-284-6794



## Malco Products SBC

Malco Tools' TurboShear for Corrugated Metal cuts corrugated mild steel with ease! This versatile and portable TurboShear easily attaches to any drill to make easy cross cuts, fast lengthwise cuts, even circular and square outlet cuts in large or small pattern corrugated metal roofing and most trapezoidal (box) pattern metal roofing panels.

[www.malcotools.com](http://www.malcotools.com)  
800-328-3530



## Roll Former LLC

Since 1978, Roll Former seamers have a history of quality and durability. Our seamers produce perfect seams on all materials from 12 oz. copper to 24-gauge Kynar-finished Galvanize/Galvalume at 30 fpm without damage to the material. They can seam NTM, Knudson, and ESE profiles! The Model SSX will form a complete double-lock standing seam with a single pass. Our exclusive nose switch cuts the unit off if it comes to the edge of the roof, eliminating expensive and time-consuming accidents.

[www.rollformercorp.com](http://www.rollformercorp.com)  
215-997-2511



## The Bradbury Group

The Hayes Dual-Level™ Rollformer produces two profiles within the same floor space as a single-level machine. The Dual-Level™ has two levels of dedicated tooling, top and bottom infeed guides, a double-acting stationary shear, twin independent drive units, a free standing control console with auto and manual functions, Beck Automation SII Control, auto drop run out table, and full tunnel guarding with safety interlocks.

[www.bradburygroup.com](http://www.bradburygroup.com)  
620-345-6394



## Acu-Form

Acu-Form Panel Lines with new controllers are built for more accuracy and consistency with longevity and ease of operation. They produce precise parts in various profiles, including custom matches, thereby saving you time, which is money. All of the forming dies are made from D2 tool steel for a longer wear life. These machines can be powered by electric, hydraulic or mechanical means.

[www.acuformequipment.com](http://www.acuformequipment.com)  
330-674-4003



## SWI Machinery

Minimize waste and maximize efficiency with our Marxman Plus Automatic Slitter. With eight pairs of auto-setting slitting blades, automatic part nesting, waste minimization software, and the capability to run up to 150 fpm, the Marxman Plus is outfitted with all the features to take your production to the next level. It's also possible to connect an offline label printer to the Plus so that labels can be printed for manual application by the operator.

[www.swimachinery.com](http://www.swimachinery.com)  
770-891-4388



## Ameripak of Kentucky

Ameripak horizontal stretch wrappers are extremely beneficial to the roll-forming industry for many reasons. From our economy line to semi-auto/fully automated lines, Ameripak's horizontal units are made of non-proprietary, off-the-shelf parts, built in the U.S. and welded with the highest quality steel, ensuring a durable piece of equipment. Each conveyor is carefully designed to suit your specific application. Ameripak has been perfecting metal wrapping equipment for more than two decades.

[www.ameripak.net](http://www.ameripak.net)  
502-222-8244



## Universal Tube & Rollform Equipment

Quality used roll formers for sale with tooling to produce ADLOK Standing Seam, ribbed panel, standard AG panel and more. We are a full-service roll-form supplier. Our experienced team can provide reconditioning, new controls, drive systems, start-up, technical support and more. Our large in-stock selection of roll formers is available for online viewing or inspected in person in Perrysburg, Ohio.

[www.utbeonline.com](http://www.utbeonline.com)  
419-872-2364



## Marion Manufacturing

Marion Manufacturing adds 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 retooling and service on other brands of equipment.

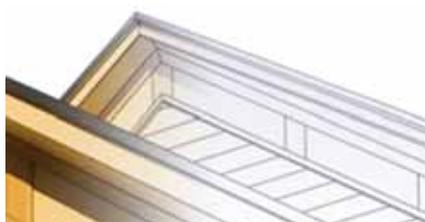
[www.marionmanufacturing.com](http://www.marionmanufacturing.com)  
620-382-3751



**AkzoNobel Coatings Inc.**

CERAM-A-STAR® 1050 Select is the leading coil coating technology with a standard color palette program to optimize your business and make color complexity a thing of the past with improved availability and quicker turns on projects. Developed specifically for use with CERAM-A-STAR® 1050, the market-leading SMP coating, it ensures the same exceptional performance and warranty, with the benefit of a standard color palette program.

[coilcoatings.akzonobel.com/us](http://coilcoatings.akzonobel.com/us)  
614-294-3361



**AppliCad USA Inc.**

AppliCad has developed software for simplified roof modeling in 3D that results in comprehensive cladding material and labor take-off, client proposals, and job planning. The software creates complete material lists, cutting lists, workshop details, supplier orders, and a labor summary at the click of a mouse button. With 25+ years experience and software in 148 countries, AppliCad knows how to do estimates for metal roofing and wall cladding, including all associated trim and accessory items.

[www.applicad.com](http://www.applicad.com)  
561-748-0545



**EPDM Coatings**

The only liquid butyl rubber in the world with a one-coat process that never needs a primer. We are a specialty roof coating manufacturer specializing in contractor-grade solvent-based coatings. Our unique drying process allows for a chemical cross-link whereby our coating and the substrate it is applied on become one and the same. Extend your client's roof another 18-20 years! Volume pricing available. Custom colors available. Our product line has been ASTM tested and FDA approved.

[www.epdmcoatings.com](http://www.epdmcoatings.com)  
855-281-0940



**Midwest Enterprises**

Hydroclean® High Capacity gutter guards are engineered for heavy rain volume areas where the perforated surfaces work hard to channel away excess rainwater. Best on long runs of standard shingles, very steep roofs, and metal roofs, the 5" guards have three rows of perforations, where guards for 6" and 7" gutters have six rows to handle even greater volumes.

[www.e-zgutter.com](http://www.e-zgutter.com)  
800-748-7736



**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](http://www.raytecllc.com)  
877-800-2500



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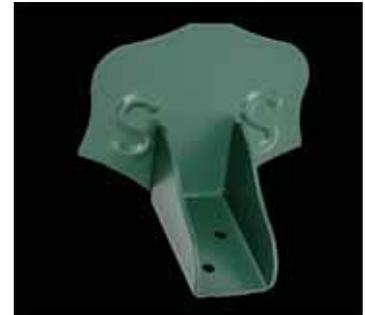
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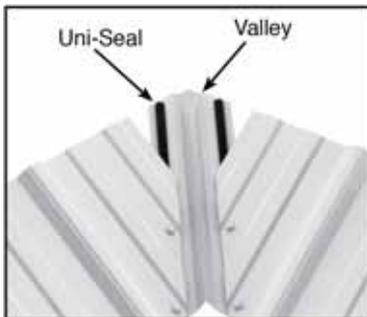
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# Pro Tips On Affiliate Program Helps You Generate Referrals

**W**hat percentage of your business comes from customer referrals? Would you like it to be more?

Referrals have an advantage. A satisfied customer's endorsement carries a lot of weight with their friends. In essence they are pre-sold. They know what they are getting and believe you are the right person for the job.

There are two keys to generating referrals. The first is to ask for them.

The second is exceed expectations and help your customers solve problems and have a positive buying experience.

Items like cleaning up after and professional behavior help, but what are you doing to inspire their dreams and manage their expectations?

## Positive Customer Experiences Benefit Builders

Being successful can be boiled down pretty simply by two words: customer satisfaction. Offering and delivering a good experience makes sales happen every day. *Pro Tips On* books offer you the chance to deliver opportunity to your clients.

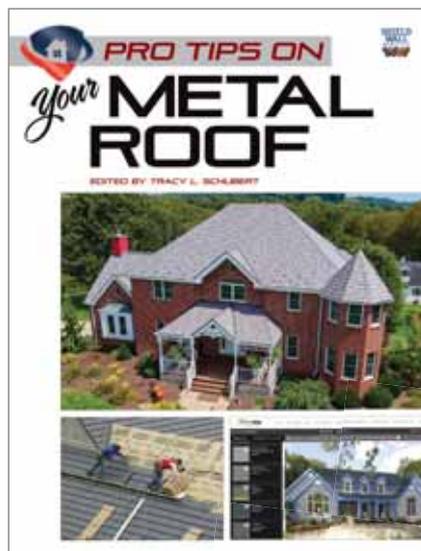
## They will see you function as a:

**Problem solver.** Customers seeking a build change, like a metal roof, are dealing with a perceived problem. *Pro Tips On* helps establish you as a solution provider. Sometimes there are physical issues of damage to items like a roof and other times there are issues of aging that motivate folks seeking ease of lifestyle changes.

**Teacher.** Knowledge makes people feel comfortable. People do not often buy large items, so they will have lots of questions. Being open about sharing what people need to know to make the

best decision for themselves makes you look good. It shows you are conscientious about their experience. *Pro Tips On* books help you have a directed conversation because you are able to share educational content from the same source.

**Protector.** Security in your expertise that becomes collaterally their expertise is reassuring. Seeing your business included in, and on the cover of, a nationally market book with educational content from experts shows your commitment to your trade.



**Risk Explainer.** People contemplating a build often find the base risk is affordable cost versus longevity. *Pro Tips On* books explore differences in ways the matter. *Pro Tips On Your Metal Roof* covers the different types and gauges of roofing metal, the coating choices, and impacts of climate.

**Relationship Builder.** Ease of experience. Having a clear understanding of responsibilities is important. Once a customer knows what they want they need to

know they will receive it in a prompt and professional manner. *Pro Tips On Your Metal Roof* offers reassuring contract guidance specifications that benefit both the customer and the builder.

**Dream Provider.** Pride in finished product. People like to feel they have made good decisions and enjoy when others compliment their choices. They like to know what they have envisioned will last. *Pro Tips On* books will help you educate you customers about warranty, so they know what to expect and the right way to take care of their roof moving forward.

Being involved in distributing a published book shows you are serious about your business. It allows you to have productive conversations with your clients. It opens the door to a great follow up call after you give someone a copy of the book to see if they have any questions.

To learn more about the *Pro Tips On* Affiliate Program you can contact [tracy@shieldwallmedia.com](mailto:tracy@shieldwallmedia.com) and visit us on Facebook at <https://tinyurl.com/hd9xrwah> **MR**



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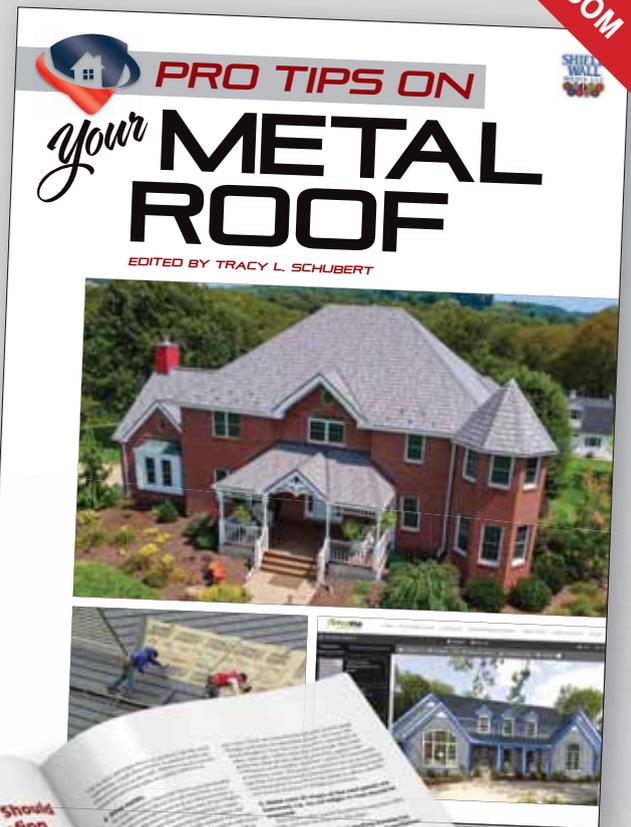
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**Pro Tips On: Your Metal Roof** is a 144-page book designed to teach consumers the benefits of installing a metal roof. Effective communication with their contractor about their roof will result in a quality experience for all involved and result in the roof of a lifetime.

**Chapters include:** *Metal Roofing Essentials, Climate, Facts, Factors, Fashion & Financing, Look Before You Leap and an Inspirational Gallery* full of the gorgeous, quality completed-project images that motivate serious customers to buy.

Our Affiliate Program allows you to customize the book to include content specific to your business. One of your pictures will even be on the cover. Use **Pro Tips On: Your Metal Roof** to educate your prospects and build you own credibility as a renowned and reputable metal roofing company.

**CONTACT TRACY SCHUBERT FOR DETAILS:**  
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- 144 Pages
- Written by industry experts
- Checklist for customers to evaluate their roof needs
- Gallery of beautiful, completed metal roof installations
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- Warranties protections explained
- Beneficial contract inclusions

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



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**Palram Americas Promotes Albert to Construction Business Unit Manager**

Palram Americas [www.palram.com/us], a leading global manufacturer of polycarbonate and PVC sheets, has announced the promotion of Jeramy Albert to the position of Construction Business Unit Manager. Albert will be responsible for the strategic direction and product portfolio for the commercial, agricultural, and building products markets within the US and Canada. He will lead a team of factory and independent representatives to drive mutual growth for Palram and its customers.



Albert joined Palram’s inside sales team more than 15 years ago, progressing into numerous roles in outside sales and national account management – a true testament of his commitment and Palram’s ‘promote from within’ culture. Albert has a proven record of building long-term partnerships and delivering value-add solutions to our distributors, dealers, and end-users. His in-depth knowledge of Palram’s customers, products, and markets, combined with his strong leadership positions him well to support the company’s strategic growth initiatives.

**McElroy Metal adds solar panels to Texas plant**

Taking advantage of local and federal incentives to help pay for the project, McElroy Metal added solar panels to its manufacturing plant in Sunnyvale, Texas.

McElroy Metal, based in Bossier City, Louisiana, has added solar panels to four of its manufacturing sites. In addition to the most recent Sunnyvale project, McElroy has completed successful solar panel installations in Peachtree, Georgia; Adelanto, California; and Clinton, Illinois.



“Installing solar panels on a standing seam roof like the one produced by McElroy Metal is the most cost-effective way to complete a solar installation,” says Mark Rangel, Executive Vice President of Commercial Business Development and Preconstruction at Spier Commercial & Industrial of New Braunfels, Texas. “We do flat roof installations, ground installations, carport installations, every kind of installation imaginable and installing on a standing seam roof is always the most cost-effective.”

Spier installed a 165kW grid-tied photovoltaic (PV) distributed

generation (DG) rooftop system at McElroy Metal’s Sunnyvale plant. The Seraphim Energy panels were installed on a recent addition to the facility, which was topped with McElroy Metal’s 238T symmetrical standing seam panels. The panels were fastened to the standing seam roof with products from S-5!. The project contained 352 470-watt solar panels, which will produce approximately 261,574 kWh each year. The system is estimated to reduce the facility’s grid energy usage by 46 percent.

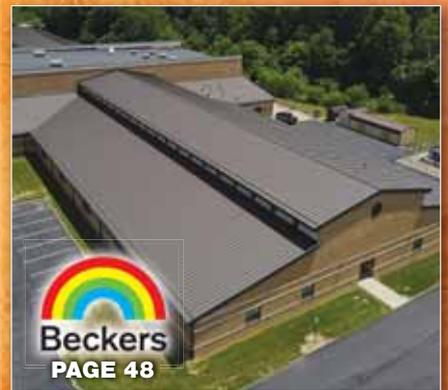
“We’re very excited about the addition of solar panels to a fourth manufacturing facility,” says Ken Gieseke, Vice President – Marketing at McElroy Metal. “Once we did the math, calculated the return on the investment, it simply made sense to install the solar panels. McElroy Metal remains dedicated to being an advocate for solar energy.”

Rangel says local and federal incentives paid for approximately 80 percent of the solar installation and that the return on investment will be about five years – for a system that is expected to last 25 years. **MR**

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