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The town’s business manager opted for Petersen’s bold Copper Penny metallic finish metal roof. “It’s like a flame; I’m glad they chose it. It sparkles like a diamond.”

-Clarice Jones, Project Architect, Catania Engineering Associates
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Welcome to the May 2020 issue of Metal Roofing Magazine.

While you don't normally hear from me, I wanted to take the opportunity and address some changes across all of our magazines. We have completely redone our Buyers’ Guides and the way we do lead generation. The print Buyers’ Guides will remain mostly the same—they will contain basically the same information and will appear in the same issues.

However, the online versions are almost unrecognizable. Manufacturers can now upload their own information, including pictures and videos. The Buyers’ Guides will interact with our catalog library, so in some cases, you will be able to go directly from the Buyers’ Guide pages to a company’s product information.

You can find the new Buyers’ Guides at www.ruralbuildermag.com and www.metaloofingmag.com. Please take a few minutes to try the new system and give us your feedback.

The other related HUGE change is we are doing away with reader service numbers. You now have a new, fast way to request information. We will be placing QR codes on all print ads in our magazines. Most smartphones’ built-in cameras can read these codes automatically.

After taking a picture of the QR code, your phone will instantly take you to the advertiser’s online Buyers’ Guide page. On the phone view, there will be three buttons: Contact Business, Call Now, and Visit Website. Choose a button and you are connected right to the advertiser. No writing down phone numbers, no Googling the company name, no copying/pasting. Simply scan the QR code with your phone and click on a button to connect.

Shown below is a QR code for a trial listing. It is titled Metal Roofing Magazine. The buttons go directly to me, so if you have feedback on the new system, send me a note.

If you have been receiving our magazines, you realize we are in the process of evolving, and are rapidly making changes. We think this change is a huge step in the right direction.

Thank you for taking this journey with us. Many new things are on the horizon.
How Can We Help You?

With today’s uncertainties and ever-changing health recommendations and precautions, it’s easy to feel uneasy. We can’t guess when and how this pandemic will end, and we can only speculate what lingering effects it may have.

One bright note for the construction industry is, while many states have requested people stay home and businesses close, many have also made exceptions that include construction as an essential (able to remain open) industry.

To help you keep your projects rolling, we’ve compiled a list of companies that are open and ready to serve you—see the Partner Updates beginning on page 8.

In addition to these updates from suppliers and manufacturers, we added a special section of Product Profiles to this issue. All items featured in our “In Stock; Ready to Ship” product profiles, from pages 74 to 77, are available now and their respective companies are open and ready to send out materials.

I’ve heard from a few of you that special issues like the Idea Book couldn’t come at a better time. Flip through these pages and get lost in the incredible roofing projects. You’re sure to find inspiration for your customers and new ideas to add to your arsenal of roofing design options. I’d like to invite you to submit your own projects for consideration for next year’s Idea Book. Previous Projects of the Month can be found on our website, where we have also added a section of COVID-19 resources for businesses. We are regularly adding posts on industry news, SBA loan information, state regulations, and more. We’re aiming to help as much as we can from afar. If there’s any way we can assist you and your business, send me an email or give me a call and we’ll do our best. Meanwhile, stay safe and stay healthy.

Jessica Franchuk, Managing Editor
jessica@shieldwallmedia.com

Correction: The April 2020 issue had a headline on the cover of “Exit Planning: What You Need to Know”—this article was moved to a future issue and the headline was overlooked. We apologize for any confusion this error may have caused.

Editor’s Note

BUILDING CONNECTIONS

East Coast Fasteners produces durable, long lasting fasteners for all combinations of building materials.

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MANY STATES HAVE STAY-AT-HOME ORDERS in place to minimize the spread of COVID-19, but many are also allowing construction and manufacturing companies to continue to work or have exemptions for essential businesses. Here are updates on some of the companies serving the metal roofing, rural construction, and roll-forming markets that are up and running at the time of publication. We will continue to provide updates as they become available.

A.B. MARTIN ROOFING SUPPLY
www.abmartin.net
A.B. Martin remains open during normal business hours. Located in Pennsylvania, it is not affected by the governor’s COVID-19 shutdown orders as it continues to provide building materials essential to homeowners and businesses.

ACECLAMP
www.aceclamp.com
AceClamp provides critical products to the medical and military industries so is able to provide AceClamp products for the foreseeable future. Sales and support staff are abiding by safe guidelines to ensure they can remain fully staffed with no disruptions in service. Additionally, they have the ability to operate sales remotely and have off-site engineers available to help spec new projects. Regarding shipping, staff may begin to work alternating shifts to comply with distancing, but they expect minimal impact on shipping.

ACU-FORM
www.acuformequipment.com
The roll-forming equipment company remains open and operating at normal capacity. The company is monitoring COVID-19 around the clock and taking precautions to ensure the health of workers and customers.

ASC MACHINE TOOLS, INC.
www.ascmt.com
Identified as an essential business, ASC Machine Tools, Inc., headquartered in Spokane, Washington, has been called upon to maintain operations, distribute critical parts, and provide services that support its customer base.

ATAS INTERNATIONAL
www.atas.com
ATAS International is continuously monitoring the current situation. As they navigate the uncharted waters associated with COVID-19, they consider the health, safety, and welfare of their employees, customers, and vendors their top priority. At the current time, they believe it is in the best interest of all parties that they continue with business operations and remain open. Members of their sales team are available to communicate via phone and email during this time. Visit www.atas.com/rep-finder for contact information for your specific sales team.

BECK AMERICA
BECK America continues to remain open for business and current operating hours and shipping timelines are unchanged. They are using their logistic network to assist customers who are working through warehouse closures by drop shipping directly to their customers.

BRADBURY GROUP
blog.bradburygroup.com/blog/covid19-update
Bradbury has limited some of its travel, but sales and service teams continue to make calls. They will contact customers...
prior to any visit that is scheduled and can also connect remotely via meeting software or other means.

DB BUILDING FASTENERS
www.selfdrillers.com

DB Building Fasteners is no longer allowing non-employees into shipping and will-call areas. Special protocol is now in place for third-party freight companies, requiring everyone to remain outside of the warehouses while DB employees load trailers. Truck deliveries and pickup in and near the Ontario warehouse will continue. All office employees who are able to work remotely are currently doing so. Warehouse and production areas have implemented two shifts, in the morning and in the afternoon to help maintain a safe distance between workers.

DEAN STEEL BUILDINGS, INC.
www.deansteelbuildings.com

All offices and factories are closed to the outside public. Customers needing to place orders should call first. Ordering is being accomplished through phone or other telecommunication services. Deliveries will be taken at the gates whenever possible.

EXTRUTECH PLASTICS
www.epiplastics.com

Extrutech Plastics resumed production of essential products on March 30 to produce wall and ceiling panels for the food processing, agricultural, and clean room facilities throughout North America.

FILC/DRIPTOP
www.dripstop.com

Filc d.o.o., makers of DripStop, has received numerous cancellations and prolongations of orders mainly from customers in the automotive industry and in hard-affected regions. This has led to production interruptions and stoppages mostly on the lines producing products dedicated to these markets. All other production lines are running normally. Due to the restricted travel policy, on-site technical support has been curtailed but continues to be available by using remote means such as video calls. Contact the company if you have concerns regarding your company’s operation needs.

LEVI’S BUILDING COMPONENTS
www.levisbuildingcomponents.com

Levi’s provides this simple, sincere message: “We’re still open for business! Call to order today: 877.897.7020.”

MAZE NAILS
www.mazenails.com

As of April 10, Maze Nails is open and in full operation at the Maze Nail plant in Peru, Illinois. We’re taking all the personal-health precautions suggested for “essential businesses”—ones which are strongly encouraged to continue running so that the
Partner Updates

The economy does not sputter down to nothing. We want to be smart—so we are erring on the side of caution as situations arise.

As we enter our 172nd year with this unforeseen challenge—thank you for your good business. We certainly owe our past and future success to your unwavering support of our 100% MADE IN USA nails. And—as you may recall—we also added a line of very popular screws from U2 Fasteners to our 2020 catalog—so please give those your consideration, too.

Maze Company continues to keep all of our people as busy as possible—either at work or operating from home—so that we do not lose key players.

Please continue to let us know however we can be of service in this tough time.

MFM Building Products Corp.
www.mfmbp.com
MFM offices, manufacturing, and warehouse will remain open, conducting business as usual as an “essential” business entity per the State of Ohio Governor’s mandate. It has, however, suspended all outside visitors to its facilities.

Mwi Components
www.mwicomponents.com/covid-19-procedure-updates
Mwi is continuing to monitor the guidelines for our industry as they are released to the public. We are taking the necessary precautions to ensure the well-being and safety for both our employees and customers. Currently, Mwi is maintaining production operations as usual with updates to the Will Call and Inbound Receiving procedures—contact us for more information on these changes.

Petersen Aluminum/Pac-Clad
www.pac-clad.com
Petersen’s Pac-Clad manufacturing facilities remain open and operational. Contact information for local factory reps is listed in Petersen’s COVID-19 Updates section on our website.

Plyco Corporation
www.plyco.com
Plyco’s products serving the food and agricultural sectors and potentially FEMA-required structures is deemed to be part of the “Critical Infrastructure Industries.” It will remain open for business as usual to support all of its customers that fall into these categories and require its products.

Rigidply Rafters
www.rigidply.com/hours-of-operation-during-covid-19
At the direction of state and federal guidelines, Rigidply is open normal business hours, including all manufacturing and delivery operations.

Rigidply continues to follow CDC guidelines. Rigidply requests that all personnel involved with Rigidply deliveries maintain 6’ separation. Delivery paperwork will be completed and signed by the Rigidply driver, including the name of the person receiving the material. Compliance with all other CDC guidelines is requested as well. For customer pickup, please call in your order and proceed directly to our yard for loading. Rigidply’s showroom and sales counter is open to customer visits by appointment.

Rigidply appreciates your business and our relationship with you. Let us know how we can help you. Stay Safe.

Safe-Way Doors
www.safewaydoor.com
Currently several state guidelines support the garage door industry as an essential industry. As a result, Safe-Way Doors remains open at its manufacturing facility in Indiana as well as its company-owned DCs in Tennessee and Missouri.

St Fastening Systems
www.stfasteningsystems.com
ST Fastening Systems’ operation has
been deemed essential and necessary under the current order restricting business operations, as required for the supply chain to support its critical customers. Both of the manufacturing plants in Tyler, Texas, and the service center in Cincinnati, Ohio, are open for business.

TRIANGLE FASTENER CORPORATION
www.trianglefastener.com
As a manufacturer and distributor in the supply chain for critical products and industries (Medical/Pharmaceutical, Food & Food Packaging, HVAC, Steel & Steel Products, Technology, National Defense, etc.), Triangle Fastener Corporation (TFC) is designated as an essential business. As a result, all 23 locations remain open and will provide safe pickup or deliveries. TFC Paint shops remain open, as well as the TFC Tech Center.

UFP INDUSTRIES
www.ufpi.com/en/covid19
UFP Industries serves a wide range of customers, including essential businesses such as health care manufacturers, food suppliers, building products dealers, and infrastructure contractors. Consequently, UFPI continues to operate and serve its customers’ critical needs. Certain customers whose products haven’t been deemed “critically essential” are taking temporary furloughs, and UFPI is responding accordingly with its facilities and employees. It has created continuity plans to ensure plants receive raw materials, run production, and ship to customers without disruption.

VAN MARK
www.van-mark.com
Van Mark, based in Farmington Hills, Michigan, is open for business as they work within the constraints of Michigan’s COVID-19 executive order. Van Mark is an essential supplier with only essential staff on-site and others working remotely to serve our customers’ needs. Customers should send in orders as usual and Van Mark will endeavor to get them shipped as soon as they can. Please be safe and healthy and rest assured that Van Mark is taking every precaution to do the same.

WICK BUILDINGS
www.wickbuildings.com/blog/covid-19-update
At this point, the construction of Wick Buildings meets the criteria of essential work as currently defined—with the exception of Michigan until April 13. Therefore, it is continuing all activity except for employees in Michigan.

We also have the ability to deliver materials to job sites in all states (except Michigan). So, if any of our material-only builders would still like to receive a delivery, they may. Any decision made by a builder in an affected state to take delivery of a project is at their sole discretion.

MR
SUPPLIER NEWS

CMG Finishes Construction on New Denver Facility

Coated Metals Group (CMG) proudly announced the completed construction of their new Denver, Colorado, location in March. The new facility boasts a 60% increase in total square footage, allowing a significant increase in their stock and production capabilities.

CMG’s expansion will help continue their efforts to meet the ever-growing demand within the Denver and Western market. With the new building, CMG will be able to maintain higher stock volumes, more robust product lines, and a significant increase in floor plan efficiency. Further, the new location will provide more accessibility for customers.

When asked for a comment, General Manager Mike Woodward stated, “This new facility will much improve our operating efficiency, decrease our lead times, and allow us to stock a full complement of our product line.”

Mimicking Woodward’s comments, Sean Frye, local Vice President of Sales, said, “We are all very excited about CMG-Denver’s new office and warehouse. The increased footprint will allow us to provide our customers with the type of service we strive for while reducing lead times, and increase our product offering. The process has taken quite a bit of time, but it’s worth the wait!”

Garland Celebrates Anniversary; Gives Back to Community

The Garland Company, Inc., an employee-owned roofing and building envelope solutions manufacturer based out of Cleveland, Ohio, is celebrating its 125th anniversary by donating several thousands of dollars to local charitable initiatives. Garland’s yearlong giving campaign includes the donation of a scholarship, food, supplies, and employee volunteer hours to honor the company’s monumental milestone.

“Giving back to our community is the cornerstone of what Garland was founded on,” said David Sokol, President. “There is no other way we would want to celebrate our anniversary than by giving back to the community that has shown Garland so much support throughout these 125 years.” One of the initiatives is a $125 donation to the charity of each employee’s choice.

In March 2020, Garland introduced an annual Garland scholarship program for the children of Garland employees. The one-time $12,500 scholarship will be awarded to a high school senior with plans to continue their education at a trade school, community college, or uni-
versity, or a current college student. The scholarship will be awarded to a new student each year and will increase annually to reflect each year the company has existed. In the summer, Garland will also donate 125 backpacks and uniforms to students at a school near their facility. “We look forward to this continued year of celebration and the opportunity to support so many great charitable initiatives,” said Sokol. “We anticipate many more years of Garland success.”

**Aurora Solar’s Software Approved by the California Energy Commission for Solar on New Homes**

Aurora Solar, the solar industry’s leading software platform for distributed solar, is the first—and currently only—to formally receive the California Energy Commission’s (CEC) certification as an approved solar assessment tool for solar access verification for new home construction in the Western state.

As of January 1, 2020, California’s updated 2019 Building Energy Efficiency Standards (Title 24, Part 6) requires all new construction for single- and multi-family homes under three stories to install solar panels. “This new solar mandate presents new challenges for the homebuilding industry—especially designing PV systems for buildings and measuring solar access for roofs that haven’t been constructed yet,” said Meredith McClintock, Head of Business Development for Aurora Solar. “Aurora helps solar installers, builders, and others overcome these challenges; our tools enable professionals to quickly and correctly size PV systems, and export reports [for] the CEC.”

In addition to getting Aurora approved, Aurora Solar’s team put together a guide to help the industry navigate the mandate. Included is the new process for homebuilders to certify their PV systems, a guide on how to use Aurora in the new workflow, and additional resources such as the required documentation for compliance. Samuel Adeyemo, Aurora Solar’s Co-Founder expressed his delight at the CEC’s approval: “The CEC’s stated ambition in enacting the solar mandate is to help homeowners use less energy, while helping them save money. We are excited to help the solar and building community easily, and cost effectively, meet the CEC’s design requirements.”

**Mule-Hide Products Co. Launches Redesigned, Enhanced Website**

Mule-Hide Products Co. Inc. has recently redesigned its website (www.mulehide.com), making it faster and easier for contractors, specifiers, and property managers to access the information they need when designing, installing, maintaining, or repairing Mule-Hide low-slope roofing systems.

The home page gives visitors several user-friendly avenues for finding product information. Simply scroll down to see the latest additions to the Mule-Hide Products catalog, investigate individual product categories, or explore options by roofing system type. Each route leads to a wealth of information, including online brochures, product data sheets, safety data sheets, technical bulletins, detail drawings, installation guides, training videos, design guides, answers to frequently asked questions, and warranty-related information.

An improved search function combs all product information and documents with one click and divides the results into three categories—Products, Documents, and Videos—to help users quickly find the desired information. Users can then add multiple documents to a cart for quick downloading. An enhanced submittal builder tool streamlines the process of requesting customized submittal packages containing all necessary documents and drawings. Recent blog posts, a calendar of upcoming trade shows, and a link to Mule-Hide Products’ monthly newsletter for contractors also are featured on the home page. **MR**
INDUSTRY NEWS

A Stronger Workforce: Celebrating Women in Construction

The Bureau of Labor Statistics reports that women make up 10% of construction workers in an industry that’s projected to grow 10% by 2028 (outpacing the national average for occupation growth).

With the increase in employment opportunities and in honor of Women in Construction Week (early March 2020), ABC Supply Co. Inc., a founding sponsor of National Women in Roofing, asked a group of women associates to share their advice for succeeding in the industry. Here’s what they shared:

- **Learn All You Can:** Prove yourself by knowing your stuff. Learn all you can by asking questions, talking with contractors, getting on roofs, and taking advantage of available training and resources.

- **Find a Mentor:** It’s very valuable to find a mentor to bounce thoughts and ideas off of. And don’t feel like your mentor needs to be a woman.

- **Have Confidence:** Set aside any preconceived notions about gender and what you are capable of. There are so many opportunities for everyone and the industry is growing.

- **Share Experiences:** It’s important to keep sharing stories about how women are succeeding in all facets of the industry, because it’s happening—even in roles like roof loading and working in the yard.

- **Join Professional Organizations:** Consider a professional organization to connect with others in the industry and surround yourself with supportive people. There is usually training available through organizations and companies, but so much of what you learn happens on the job.

There are so many opportunities for women in the roofing industry. Learn how you can join these women in building a successful career at ABC Supply by visiting their website (www.abcsupply.com). **MR**
Every year for this issue we ask you—the readers, manufacturers, suppliers, metal roofers, and associations—to submit the projects which you are most proud of. We ask you what the challenges were and what you think worked best to make these projects a success.

We receive many different and unique projects, ranging from equine facilities to courthouses, other government buildings, residential homes, marinas—to name just a few. But, the main material that stands out with all of these projects is metal. What a beautiful thing.

This unique issue—The Idea Book—examines signature metal roofing projects from an architectural viewpoint, highlighting the colors, curves, angles, materials, and other design possibilities of metal roofing and walls. They all have unique aesthetics that are special in their own way. Many posed challenges, but with all of your hard work and dedication, they all came out a huge success and you should be extremely proud of what you do.

It is always difficult to pick which projects make it into this issue. Please, keep sending us your projects and we will do our best to highlight them in upcoming issues. We also have our Project of the Month features in our regular issues. If you don’t find your project in here, you may see it being highlighted in that section in a future issue. We hope you enjoy this year’s Idea Book as much as we do.

The Staff of Metal Roofing Magazine
EVENT VENUE

MISTY MOUNTAIN EVENT BARN  ■  WEST VIRGINIA

**PROJECT**

**ROOFING PANELS:**
A.B. Martin Roofing Supply 28-gauge ABM Panel in Bronze

**CLADDING PANELS:**
A.B. Martin Roofing Supply 28-gauge ABM Panel in Colonial Red

**RAIN HANDLING:**
A.B. Martin Roofing Supply 5" aluminum gutter and components in Bronze

**SOFFIT:**
A.B. Martin Roofing Supply 29-gauge Steel Soffit–Vented in Bronze

**CUPOLAS:**
A.B. Martin Roofing Supply 36" and 24" cupolas with windows

**WEATHER VANES:**
Whitehall Products

**INTERIOR CEILING:**
A.B. Martin Roofing Supply 29-gauge ABM Panel in Galvanized

www.abmartin.net
With plenty of parking and a great view, this event venue is ready to host weddings and parties—the local animal auctions are even held here. The property owner and his builder worked side by side for seven months to complete the project, including a large pond with a bridge spanning its banks. In addition to the main event barn and pond, the property also has a large covered pavilion, a spacious veranda, a permanent outdoor ceremony site, a patio with fire pit, and the aforementioned ample parking.

A state-of-the-art audio system is built into each space, allowing the property owner to control the music (inside and outside) from the comfort of his nearby living room. The use of stamped concrete in many of the exterior spaces creates a rustic feel, while the interior is anything but. It is completely climate controlled—a huge plus for those in the kitchen, especially cake decorators!
SunSky corrugated polycarbonate panels stand up to punishing exterior applications and offer multiple advantages over traditional fiberglass corrugated panels. Up to 20 times greater impact resistance, warranted protection against yellowing, and the highest resistance to wind uplift.
LOOKING AHEAD...
METAL ROOFING MAGAZINE

From the publishers of Rural Builder, Metal Roofing Magazine, Frame Building News, Rollforming Magazine and Garage, Carport & Shed Builder.

The only publication exclusively for metal roofers in the construction industry.

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2020 ISSUES:

JUNE / JULY
- **Cover Story:** Solar options and things to consider prior to installation on existing roofs
- **Product Feature/Profiles:** Metal Shingles
- **Show Previews:** Western Roofers Show, Florida Roofers Show
- **Gutter Feature**
- **Project of the Month**
- **Poll Question**
- **Bonus Distribution:** Florida Roofers Show, Western Roofers Show
- **Advertising Deadline:** May 4, 2020

AUG. / SEPT.
- **Cover Story:** Metal roofing by the sea
- **Product Feature/Profiles:** Underlayments
- **Project of the Month**
- **Poll Question**
- **Advertising Deadline:** June 29, 2020

OCT. / NOV.
- **14th Annual Metal Roofing Hall of Fame**
- **Cover Story:** How roofers are dealing with employee recruitment problems
- **Product Feature/Profiles:** Snow and Ice Management
- **Show Preview:** METALCON
- **Project of the Month**
- **Poll Question**
- **Bonus Distribution:** METALCON, Remodeling Show
- **Advertising Deadline:** September 1, 2020

DEC. 2020 / JAN. 2021
- **18th Annual Buyers’ Guide**
- **Annual Focus on Product Profiles:** standing seam/metal shingles/natural metals/job site and in-house equipment/snow management systems/fasteners/retrofit and recoatings/underlayments/metal roofing components, and more
- **Bonus Distribution:** International Roofing Expo
- ** Buyers’ Guide Listings:** Forms Due October 9, 2020
- **Advertising Deadline:** October 28, 2020

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

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

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

COMMERCIAL

ELSIE C. COFFEY CHILDCARE DEVELOPMENT CENTER
BANGOR, MAINE

ROOFING PANELS:
The Garland Company
24-gauge R-Mer® Span
standing seam panels in
Sea Mist

CONTRACTOR:
Elite Roofing & Restoration
(Middlefield, Connecticut)

www.garlandco.com

PHOTOS BY: SAMUEL TRAFTON/MAINE DRONE IMAGING LLC
For Bangor Housing Authority’s Elsie C. Coffey Childcare Development Center, a secure roof means safety from the wear, tear, and moisture of a New England winter and protection for children both in the building and out on the adjacent playground. The existing asphalt shingles were deteriorating and causing leaks, and the hips and valleys of the roof design required creative solutions for installation.

To combat the leaking, shingle deterioration, and unique roof design, metal panels were chosen. The panels were retrofitted over the existing shingles to reduce waste and prevent any debris from falling onto the playground. The unique hips and valleys of the roof design required two cuts for most of the panels and thorough attention to detail during installation.

For stronger seams and protection against the weight of ice and snow, R-Mer Span I-Span Anchor Clips were utilized above the valleys. A snow retention system was then attached directly to the metal to retain snow and allow it to melt on its own without falling off in dangerous chunks. These conscientious construction efforts minimized the effects of noise, debris, and distractions to the center, while the products chosen will protect the building against anything Mother Nature has up her sleeve.
PROJECT

COMMERCIAL

BURR RIDGE OUTPATIENT & DAYREHAB CENTER
BURR RIDGE, ILLINOIS

ROOFING PANELS:
PAC-CLAD Tite-Loc Plus

ARCHITECT:
HDR Architecture

CONTRACTOR:
Krusinski Construction

INSTALLER:
All American Exterior

SOFFIT:
PAC-CLAD PAC-750

www.pac-clad.com
The Shirley Ryan AbilityLab Outpatient and DayRehab facility in Burr Ridge, Illinois, is a 25,000-square-foot building in a transitional district with strict zoning guidelines that hold buildings to a residential scale and character. The building’s design incorporates three rectangular sections, stepped to fit within an angled setback, each housing one of three departments: outpatient, day rehabilitation, and shared space. Diagonally folded butterfly roofs meet the village’s requirement for a pitched roof and provide daylight through clerestory windows to the spaces below. The project includes aesthetically pleasing landscape, clerestory glass curtain walls, mixed material exterior façade, and an interior build-out of a rehabilitation lab. The center will allow for treatment of individuals with complex disabilities through a model of integrated research, education, and patient-centered care.
PROJECT

RESIDENTIAL

PRIVATE HOME ■ SOUTHERN INDIANA

ROOFING PANELS:
Boral Steel COTTAGE Shingle in Ironwood HD

INSTALLER:
Graber Post Buildings

FASTENERS:
Boral Steel Screws

www.graberpost.com
When his second asphalt shingle roof needed to be replaced within a relatively short span of only 20 years, this southern Indiana homeowner went on the hunt for a longer lasting roof system. A visit with Graber Post Buildings for recommendations led him to Boral Steel’s Stone-Coated Roofing. This product provided a similar asphalt shingle look with the added benefit of a 50-year transferable warranty—making the decision essentially a no-brainer.

With this particular job, the installers were able to place the stone-coated metal shingles directly on top of the existing asphalt shingle roof using Boral’s color-matched corrosion-resistant screws.
COMMERCIAL

HOTEL LBI ■ SHIP BOTTOM, NEW JERSEY

ROOFING PANELS:
Drexel Metals 175S 1¾" Snap Lock panels in Deep Blue Sea

INSTALLER:
Kupex Exteriors

UNDERLAYMENT:
Drexel Metals Metshield HT

RAIN HANDLING:
Copper gutters

www.drexmet.com
Hotel LBI is New Jersey’s finest coastal hotel—located in Ship Bottom, the hotel offers the charm of a summer home paired with top-of-the-line amenities. They provide a world-class experience and they wanted their new building design to reflect that same upscale feel. The design of this new construction build is reminiscent of the early 1900s-style grand hotels, and the Drexel Metals standing seam metal roof is the cherry on top of a beautifully executed project.

Kupex Exteriors of Trenton, New Jersey, is a valued partner of Drexel Metals and a well-trusted roofing installer in the New Jersey tri-state area. They offer several commercial building exterior services as well as residential services. After working with the general contractor of this specific project on several other occasions, the managing partner of Kupex Exteriors said they ended up being a natural choice to bring in for the execution of this roof installation. The contractor was already very familiar with the vast array of metal roofing benefits, so choosing the roofing material was an easy task.

The specific Drexel Metals material used for this project was the DMC 175S 1¾” Snap Lock panel. This panel type is known for its distinctive broad width seam, impressive structural capabilities, and easy Snap Lock installation. Featuring a 1¾” seam height, this continuous interlocking engineered roof system has a concealed fastener and clip application that allows thermal movement and requires no mechanical seaming to ensure weathertight integrity. The installation is simple and quick, yet it withstands extremely high design pressures, a natural fit for the location of this hotel right along the coastline that’s more prone to high winds.
PROJECT

COMMERCIAL
DAVENPORT FARMS LODGE ■ CHANDLER, OKLAHOMA

ROOFING PANELS:
Wick Buildings 29-gauge steel

CONTRACTOR:
Bryke Enterprises, LP

CLADDING PANELS:
Wick Buildings 29-gauge steel

FASTENERS:
SFS Woodgrips

VENTILATION:
Wick Buildings Standard Ridge Cap with ProfileVent

EXTERIOR DETAILS:
Operational dormers; stone/brick wainscot; 36” cupolas with windows; 48” cupola; unique entrances

www.wickbuildings.com
The building definitely has curb appeal. However, during the design phase (which was not handled by Wick), aesthetics were given more consideration than functionality. As a result, the contractor had to employ the flexibility of post-frame construction to make the following features possible:

- **Clear-span truss allows for wide open center area.** The vast space in the center of the building allows for both visual appeal and a community feel. Typical stud wall construction would have required support walls for the roof, separating the spaces and reducing visual sight lines.

- **Energy efficiency superior to steel-framed structure.** The alternative to post-frame construction would have been a steel-framed construction. However, much of the aesthetic appeal would have been lost (referring to the trusses on the enclosed porch and the steep roofline) as well as the energy efficiency. Steel is a conductor of heat and cold, and would have made insulation of the lodge, located in the Midwest, much more costly. And the lack of obstructions within the walls (due to wider column spacing) allows for higher insulated R-values.

- **Flexibility to build around the HVAC and water runs.** The HVAC system, kitchen exhaust, and water runs weren’t integrated into the initial architectural drawings. Because post-frame construction allows for superior flexibility, the builder was able to accommodate ventilation runs and adapt the hallway ceiling to accommodate heating/cooling runs.

- **Special I-beam for the golf simulator.** A special steel I-beam was inserted to span a column location and support the second floor hall and bedroom.

When building a hunting lodge, many builders instinctively opt for stud wall, timber-frame, or log construction. However, the flexibility and cost-effectiveness of post-frame construction allowed for unique features not possible with other structural framing methods. It’s a nice marriage of form and function—and another example of how this approach to building continues to manifest in exciting new ways.
NONPROFIT
HECKRODT WETLAND RESERVE ■ MENASHA, WISCONSIN

ROOFING PANELS:
EDCO Products ArrowLine
Enhanced Slate in T-Tone

INSTALLER:
Altitude Exteriors

CLADDING PANELS:
EDCO Products V12"
Board & Batten in T-Tone

FASCIA:
EDCO Products Fascia
in Wickertone

RAIN HANDLING:
EDCO Products Rainware
in Wickertone

www.edcoproducts.com
The Heckrodt Wetland Reserve is a 76-acre urban oasis that includes three miles of trails through forested wetlands, prairie, and open fields. A 4,000-square-foot nature center on the grounds is available to visitors and is home to an indoor live wetland, aquariums, mounted Wisconsin mammals, a classroom amphitheater, a solarium, and a resource library.

With the extreme weather changes in Wisconsin, the existing building faced roof and siding issues. Over time, the wood shake siding began to deteriorate and the asphalt roof started to leak. Heckrodt’s site manager began to look for more durable products that would possibly match their mission of enhancing, restoring, and preserving the reserve.

After researching many different product types, they reached out to EDCO Products to learn more about their metal roofing and siding. EDCO worked to educate them about the many benefits of metal siding and roofing and introduced them to the team at Altitude Exteriors.

Utilizing EDCO's metal exterior building products allowed for the coordination of colors throughout the project. The project presented several challenges including a number of valleys and roof pitches. Energy efficiency, low maintenance, and a lifetime warranty are just a few of the benefits that made EDCO’s metal exterior building products stand out when comparing them against other material types.
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After a brutal storm in the fall of 2019 destroyed their historic barn in southeast Minnesota, owners Tammy and Patrick Winter faced the choice to close their wedding venue or rebuild. With several weddings already booked for the upcoming year, they decided to start fresh with a new barn by Lester Buildings.

Their attractive 36’ x 100’ bright red barn houses an indoor/outdoor bar, a loft with exposed beams, restrooms, and rooms for the bridal party to get ready. When not hosting a wedding or other event, the farm invites guests to visit their general store for apparel, jewelry, beverages, snacks, and more. During the warmer summer months, they also offer weekly pizza nights to the public.
COMMERCIAL
OFFICE & DISTRIBUTION CENTER ■ FORT MYERS, FLORIDA

ROOFING PANELS:
Direct Metals 24-gauge Galvalume with Direct Metals translucent 2.0mm MEGA HD Reflective Silver translucent r panel 12' skylights

CLADDING PANELS:
Direct Metals Translucent 2.0mm MEGA HD Reflective Silver translucent r panel sidelights

FASTENERS:
Direct Metals SCAMP Stainless Steel Cap Head Self-Drilling Fasteners

INSULATION:
rFoil reflective insulation

www.directmetalsinc.com
Direct Metals Inc. (DMI), a distributor and manufacturer of building components focused on the residential and commercial roofing industries, plans to unveil its brand-new 26,000-square-foot corporate office and distribution center in the second quarter of 2020. The building is designed and built to withstand Category 5 hurricane winds.

The many state-of-the-art products utilized on this new facility include: DMI-designed 300 series stainless capped SCAMP drill screws installed on a 24-gauge Galvalume roof; 2mm polycarbonate panels installed in roof and sidewall locations to maximize reflectivity, increase light transmission, and conserve energy during the hot summer months; foil insulation installed under the roof to maximize reflectivity; 2mm polycarbonate ridge cap and vented RAZORBACK closure to help ventilate the roof ridge; foil underlayment under the concrete floor to help prevent moisture; and a standing seam mansard metal roof installed with DMI roof clips and fasteners.

DMI has more Dade County and Florida and Texas building code approvals than any other fastener distributor in the country. Many products on this building meet those codes.
The State Capitol Building is an unmistakable piece of Colorado history—nobody passes through the city without noticing and admiring its shining dome. Now, the building also boasts a one-of-a-kind, equally impressive roofing system to complement the brilliance and longevity of the golden beacon.

As a result of the recent roof replacement on the 121-year-old Colorado State Capitol Building, every piece of metal on the historic building’s rooftop, from the standing seam panels to the shingles on the low-slope portions to the gutter, is now copper. The goal of the project was to provide a unique roof for the remarkable building that would last for generations to come. Copper was the perfect material to do so.

**GOVERNMENT**

**STATE CAPITOL BUILDING ▪ DENVER, COLORADO**

**PROJECT**

**ROOFING PANELS:**
Revere Copper in FreedomGray

**ARCHITECT:**
Humphries Poli Architects

**CONTRACTOR:**
Douglass Colony Group

**RAIN HANDLING:**
Revere Copper bare copper flat locked and soldered

www.reverecopper.com
OFFICE ROOFING PANELS:
MBCI 24-gauge Ultra-Dek

OFFICE CONTRACTOR:
River Roofing

STORAGE UNIT CLADDING PANELS:
Trachte Building Systems
A-Panel in Classic Beige

STORAGE UNIT INSULATION:
¾" fiberglass under roof for condensation prevention

STORAGE UNIT DOORS:
Trac-Rite roll-up doors in Sunset Orange, rated for 130mph winds

www.trachte.com
Trachte Building Systems manufactured the build packages for these clean-lined storage units. The office was built by a local contractor with colors chosen to complement the vibrant orange roll-up doors on each structure. For optimal protection of their contents, each building is climate-controlled with 4” and 6” layers of fiberglass insulation in the roof with thermal spacers and 6” of wall insulation.
PROJECT

RESIDENTIAL
PRIVATE HOME ■ CROSS CITY, FLORIDA

ROOFING PANELS:
26-gauge Galvalume

FASTENERS:
Atlas Building Products
2½" fasteners

VENTILATION:
ProfileVent ¾" rib

UNDERLAYMENT:
Titanium UDL 25 Synthetic underlayment

SEALANT:
EPDM pipe flashing

Recently finished in 2019, the roof on this northern Florida home is light and bright, coordinating nicely with the home’s exterior details. Galvalume panels cover the expansive roof, which includes two porches, an attached garage, and a pair of charming dormers on the face of the home.

Reed’s Metals is one of the largest providers of metal roofing, pole barns, and pre-engineered steel buildings in the South. Their manufacturing sites utilize state-of-the-art technology and fabrication methods to provide unprecedented quality and service—offering same-day availability on standard roofing orders, on-site roll-forming for standing seam projects, and job site delivery within 72 hours.

They have been providing services to customers for over 21 years and offer more than 20 colors to choose from (with a 45-year paint warranty) and 8 locations.

www.reedsmetals.com
Also on social media:
Facebook, Instagram, LinkedIn, Pinterest, Twitter, and YouTube
Wrapped in copper and lined with wood planks, the Lamplighter School Innovation Lab reflects an ambitious plan to reimagine the school’s campus. The metal was chosen after surveying the school’s existing buildings, which include many copper elements.

Prefabricated standing seam copper panels on the roof give way to flush seam copper panels on the walls. The copper skin provides the building with a timeless material that will age gracefully with little maintenance. After only two years, the lab’s patina has a warmth that complements its surrounding landscape. The approximately 10,000-square-foot Innovation Lab now serves the Lamplighter School’s 450 students from pre-K through 4th grade.
PROJECT

SPECIAL USE
WOODWORKING BARN ■ LAPORTE COUNTY, INDIANA

ROOFING PANELS:
Premier Roofing and Construction 24-gauge 1⅜” snap lock standing seam panels in Dark Bronze, rolled from coil supplied by Coated Metals Group (CMG) on New Tech Machinery SSQ roll former

PROJECT DESIGNER:
Mike Belzowski

CLADDING PANELS:
Premier Roofing and Construction board and batten siding in Patriot Red, rolled from coil supplied by Metal Sales on Eastside Machine Company roll former

UNDERLAYMENT:
Owens Corning Titanium PSU30

www.premierroofingindiana.com

PHOTOS BY: MATT CASHORE PHOTOGRAPHY
This recently completed woodworking barn is a beautiful display of roll-formed standing seam roofing panels and board and batten siding. Finished in late 2019, the classic-style barn features a dark bronze roof and vibrant red walls with crisp white trim.

Set in the rolling hills of northern Indiana, the structure includes many design details that keep your eye moving, such as dormers, cupolas, porches, and an abundance of windows that provide natural light to the workshop inside.
PROJECT

METAL ROOF R
SEVIERVILLE COMMUNITY CENTER • TENNESSEE

ROOFING PANELS:
Metal Roofing Systems, Inc.

ENGINEERING:
Metal Roof Consultants

STRUCTURAL SUB-PURLINS:
Roof Hugger

FASTENERS:
Metal Roofing Systems, Inc.

SNOW GUARDS:
S-5!

www.roofhugger.com
Just down the road from Pigeon Forge in the Smoky Mountains is the thriving community of Sevierville. This beautiful mountain town’s community center, built in 1985, hosts multiple events each year. Due to its age, the building recently underwent a complete metal reroofing, better known as a metal-over-metal retrofit.

The building was originally constructed using a trapezoidal standing seam profile, hence it was decided to utilize a structural sub-framing system furnished by Roof Hugger. This type of retrofit allows the existing metal roof to remain in place by installing structural sub-framing over it, then installing a new metal roof.

The job went smoothly even with the building’s roof geometry having sloped rakes due to skewed walls, as well as valleys, varying slopes, and other difficult transitions. The Roof Hugger product has the additional ability to increase snow loading and has little to no impact on the occupants of the building. It also helps control the contractor’s liability (by not having to remove the existing metal roof) and their cost (because the sub-purlin framing represents fewer parts than other metal roof retrofitting methods).

The project finished out with 54,000 square feet of 24-gauge metal roofing by Metal Roofing Systems, Inc. and 12,720 lineal feet of Roof Hugger’s standard Model “D” sub-purlin with a 4½’ web height, and 6” of fiberglass insulation between the old and new metal roofs.
EVENT VENUE
THE BARN AT FAIRVIEW ACRES ■ BIGGSVILLE, ILLINOIS

ROOFING PANELS:
Central States Manufacturing
Panel-Loc Plus Fluropon

BUILDING SYSTEM MANUFACTURER:
Greiner Buildings, Inc.

CLADDING PANELS:
Central States Manufacturing
Panel-Loc Plus Fluropon

FASTENERS:
Atlas Building Products screws

CUPOLAS:
MWI Components lighted glass cupolas

www.greinerbuildings.com
When Greiner Buildings began construction on this classic-style barn with modern touches, owners Dan and Cristy Potts already had multiple weddings pre-booked for the upcoming season. The firm deadline had to be met to prevent disappointing any couples!

The bright white structure stands out against the surrounding fields and has become a top-rated event venue for weddings, parties, anniversaries, and more. Kept comfortable through any chilly days with heated concrete floors, the barn is also surrounded by a 48" deep insulated frost wall. Built with guests’ comfort in mind, the main barn features indoor restrooms, a built-in bar, and a two-story bridal suite, while the grounds also include a groom’s quarters (created from a repurposed grain bin), yard games, outdoor seating, and cozy fire pits.
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Big Canoe is a 7,000-acre private community 60 miles north of Atlanta in the foothills of the Appalachian Mountains. The Clubhouse at Lake Sconti serves as Big Canoe’s central hub, with 35,000 total square feet of gathering space for fine dining, weddings, corporate events, championship golf tournaments, and more.

The clubhouse’s deteriorating cedar shake roof needed a total replacement. Colony Roofers, a veteran-owned roofing company based in Marietta, installed CertainTeed’s Matterhorn Shake in the color Cedar to keep the look of classic cedar shake while adding the longevity, impact-resistance, and wind-resistance of metal roofing. The new metal roof gives the community’s central gathering place a long-term roofing solution capable of standing up to unpredictable mountain weather.
This 12-stall horse barn is 6,100 square feet of pure beauty. Light wood and a large open interior give the stables a bright and airy feeling, complemented by the off-white HardiePlank siding and light stone on the exterior with standing seam metal roofing.

The barn includes four wash/groom stalls, rubber floors, a tack room, laundry room, feed room, storage, an owner’s office, and groom’s quarters. Custom features unique to this project include the horse stalls, mahogany doors, and a trio of functional cupolas with fans.
PROJECT

SPECIAL USE
PRIVATE AUTOMOBILE STORAGE ▶ AVON LAKE, OHIO

ROOFING PANELS:
Chief Buildings MVF roof

BUILDING SYSTEM
MANUFACTURER:
Chief Buildings

CONTRACTOR:
J.C. Jones Corporation

INSTALLER:
Quanta Builders

CLADDING PANELS:
Metl-Span LS-36

INSULATION:
Insulated metal panel walls

www.chiefbuildings.com
This project boasts many valley conditions, a result of the various wings and numerous custom dormers present. The dramatic roof overhangs feature wood plank soffits and decorative corbels. A heavy timber frame porch and oversized entry door with glass panes galore defines the aesthetic that is further continued with sliding barn doors in rustic wood. Custom cupolas and dormers adorn the roofline. The primary structure is metal-framed, consisting of 12 buildings designed as a single, complex metal building system.
PROJECT

COMMERCIAL

UPS DISTRIBUTION CENTER ■ JACKSONVILLE, FLORIDA

ROOFING PANELS:
Varco Pruden SSR System

CONTRACTOR:
Harrell Construction Co. Inc.

CLADDING PANELS:
Varco Pruden Panel
Rib Wall System

www.vp.com
Sitting at around 350,000 square feet, it’s no surprise that the expansion of this UPS distribution center in northeastern Florida required a lot of metal roofing. To be exact, it involved 105 trucks of steel, 22 trucks of insulation, and 13 trucks of just components to get the job done. Combine the arrival and unloading of so many trucks with an active distribution center in the full throes of a busy holiday season, and you may have a recipe for disaster. Luckily, with over 40 years of experience, local contractor Harrel Construction Company proved to be the right choice for this large job and successfully completed the project.
RESIDENTIAL
PRIVATE HOME ■ HUNTINGTON BEACH, CALIFORNIA

ROOFING PANELS:
Western States Metal Roofing
in Black Ore Matte

www.westernstatesmetalroofing.com
Black metal roofs used to be few and far between. Now they are some of the most requested. When the owners of a beautiful California Craftsmen home were in the market for a new roof and an upgraded style, they were unsure of what they wanted and considered many options. Metal solved their issues with other materials: it’s lightweight and can last for 50 or more years. However, what really sold the couple on a metal roof was it’s curb appeal. The couple chose a dark color for a striking contrast to the warm exposed wood of the home. The black matte roof also highlights the house’s three ridge lines and four valleys.
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• Internal finishing and cosmetic options for garages
• Selling against DIY carport kits
• Delivering and installing sheds
• Product Profile: Exterior Finishing: Panels, Sheet Metal & Siding

• Advertising Deadline: August 26, 2020
• Polybagged with Metal Roofing Magazine
  Oct./Nov.) and Rural Builder Buyers’ Guide (Oct.)

WINTER 2020 ISSUE

• Tiny Houses
• Entry doors, windows and accessories
• Carport Roof Options: Metal, polycarbonate, and fabric
• Garage, Carport, and Shed Buyers’ Guide
• Product Profile: All Parts, Products & Components

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More than 10 separate ridges, numerous valleys, covered porches, several overhangs, a coordinating cupola, and 12—that’s right, 12—skylights add up for one massive roofing job. The team at Burkholder’s Custom Construction mastered the project, located between Columbus and Cleveland in central Ohio. The installers used 1” x 3” furring strips, spaced 18” on-center over the existing asphalt shingle roof. The unassuming natural browns of the standing seam metal roof blend effortlessly into the semi-wooded environment of the home, while the roofing material will protect it for years to come.
COMMERCIAL
WINGS ETC. GRILL & PUB ▪ ROCHESTER, INDIANA

ROOFING PANELS:
Ramco Supply 26-gauge
Super-Loc in Hunter Green

CLADDING PANELS:
Ramco Supply ¾ Corrugated
28-gauge Acrylic-Coated

FASTENERS:
Atlas Building Products
WoodTite HLX

VENTILATION:
Ramco Supply Z Trim
Ventilated

www.ramcosupply.com
For their latest location in northern Indiana, sports bar chain Wings Etc. chose a hunter green roof and crisp white siding from Ramco Supply. Because Ramco Supply had the capabilities to bend the custom parapet cap, they were able to do a one-piece parapet instead of a complex multi-piece flashing, speeding up the job by several days.

Their Super-Loc panels provide a smooth, clean, fastener-free roof. This hidden-fastener (standing seam) system conceals the structure of the panel under the vertical seams. With the fasteners attached in a slotted screw strip, the metal expands and contracts without compromising the screw attachments. It requires minimal maintenance and upkeep, making it a great fit for any commercial or residential project.
This sprawling compound near the Dallas-Fort Worth metropolis is home to financial giant Charles Schwab’s latest corporate headquarters. KPost Company, the Official Roofing & Waterproofing Company of the Dallas Cowboys, installed close to 150,000 square feet of standing seam metal roofing on several of the buildings, some of which required continuous 160-foot-long panels. The panels were so large that KPost had to work with the contractor to carve out a 100’ x 300’ area on the grounds to accommodate the BEMO roll-forming and curving operations.

Prior to installation, KPost inspected the structural deck for imperfections; if they were to install on an uneven deck, the standing seam panels would have emphasized the blemishes and the final product would not have a uniform profile. KPost was able to identify faults using a string line and installed Z-girts and flat stock metal to make up for them.

This impressive project also involved a collaboration with the architect for a watertight solution at the gutters. Given KPost’s past experiences with standing seam gutters, they were able to flip the gutters from a metal gutter system to a single-ply roofing membrane gutter system, providing the owner with a warrantable option.
Renovating and transforming a 70-year-old manufacturing facility into a contemporary office building with impressive amenities requires imagination, careful planning, and a lot of communication. The Cannon, an entrepreneurial hub in west Houston, called for more than 90,000 square feet of insulated metal panels (IMPs) from Metl-Span.

“We could have gone the conventional route with insulation and drywall, but we really wanted to maintain some of the original look of the building,” said Ken R. Harry, Principal at Abel Design Group. “With the insulated metal panels, we were able to leave the interior beams and columns exposed. Plus, we got the levels of insulation that were required for the roof and walls. It seemed like the logical way to go.”

“Insulated metal panels are easy and quick to install,” said David Baldwin, Sales Manager at FSR Services. “The larger panels cover a lot of space in a single pass.”
COMMERCIAL
MARINA LANDING CONDOS ▼ PANAMA CITY, FLORIDA

ROOFING PANELS:
Roser Stone Wood Shake in Birch

INSTALLER:
ECO Roof and Solar

www.roser-usa.com
Hurricane Michael devastated the Florida panhandle in October 2018, resulting in widespread destruction. Marina Landing, an iconic 17-story high-rise condominium building at the base of the Hathaway Bridge, was in desperate need of a new roof after the storm.

The existing 14,500 square feet of metal mansards were roofed with a discontinued stone-coated metal; the customer selected Roser’s Stone Wood Shake in the color Birch as the replacement. Working safely and efficiently were the main goals, and the project had many challenges including needing a complete re-deck. Managing extreme logistics and high-gust winds while using a heavy-duty crane (with limited ground space), was the installer’s top priority.
PROJECT

COMMERCIAL
VAUGHAN METROPOLITAN CENTRE SUBWAY STATION
VAUGHAN, ONTARIO

ROOFING PANELS:
RHEINZINK CLASSIC
bright rolled

ARCHITECTS:
Grimshaw Architects;
Adamson Associates Architects

CONTRACTOR:
Arup Canada

INSTALLER:
Bothwell-Accurate

BUILDING SYSTEM MANUFACTURER:
RHEINZINK America, Inc.

More than 1,000 uniquely tapered zinc panels were fabricated by RHEINZINK distributor Agway Metals, Inc. for this addition to the Toronto subway system. The roof offers high solar reflectance and a long life span, and is 100% recyclable at the end of its useful life on the building. According to Trevor McGrath, Bothwell-Accurate’s Estimating Manager for cladding, “The architects wanted an ‘old-school’ appearance with hammered seams and the manner in which the flashings and counter-flashings were done. There was a painstaking amount of detailing done around the 46 skylights in the roof. Each one required custom attention.”
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Texas Traditions Roofing and the Sheffield Metals Arlington branch were recently awarded top honors in the Metal Roofing Alliance’s (MRA) Best Residential Metal Roofing Project competition. This beautiful project is a residential property in Georgetown, Texas, that was built in the 1890s and is listed on the National Register of Historic Places. The home has more than 20 roof planes, an internal gutter system, and many low-slope roof transitions, which required the skilled crew at Texas Traditions Roofing to properly install.
The owner of this private residence with attached garage wanted an open living area with lots of natural light. Large custom windows satisfy that desire. The customization continues with a unique timber frame front entrance. Also custom are the roof and wall panels, an Elite Rib created and manufactured by Metal Exteriors of Shiloh, Ohio. The Elite Rib offers the look of a concealed fastener standing seam panel but at a lower cost utilizing an exposed fastener system. It has a 12” on-center rib, paired with Sherwin-William’s crinkle paint, and 50-year warranted screws from Levi’s Building Components.
The owner of this expansive estate initially installed 90 solar panels on the nearly 15,000-square-foot residence using the S-5! PVKIT 2.0 mounting system. After seeing the low profile and premium aesthetics achieved by using the PVKIT, which was anodized in black to perfectly match the module frame, the homeowner decided to install another 108 modules. Aside from aesthetic benefits, the homeowner and roofing contractor were most impressed by S-5!’s zero-penetration metal roof solution.

ROOFING PANELS:
Premium Panels Inc.

ARCHITECT:
Surround Architecture

CONTRACTOR:
Harrington Stanko Construction

INSTALLERS:
Boulder Roofing Inc. (roofing); The Solar Revolution (solar)

SNOW GUARDS:
S-5! ColorGard by S-5! Metal Roof Innovations, Inc.

SOLAR MOUNTS:
S-5! PVKIT 2.0 Solar Attachment Solution
Crater Lake National Park has long been a busy tourist destination. Just south of the park is Mazama Village and Campground, a popular location for visitors. From June through September, the Village is bustling and a sizable workforce calls the Mazama Dormitories home. Due to the area’s extreme winter weather, the dorms’ existing standing seam roofs had deteriorated beyond repair. Ice damming and heavy snow began pushing the metal panels apart and allowed for leaks to develop throughout the structure.

Pressure Point Roofing, Inc. assessed the project and provided a solution. Not only were they given a tight timeline due to unpredictable weather, they also had to be mindful of the staff living in the dorms. They selected 24-gauge panels for this 18,500-square-foot reroofing. Designed to withstand rigorous weather and provide enhanced uplift resistance, the concealed fastener panels were installed over an ice/water shield underlayment to provide protection from extreme temperatures and precipitation. At the request of park management, approximately 8,000 square feet of adhered Duro-Fleece 60 mil membrane from Duro-Last was used on select areas to maintain the aesthetics of the flat surfaces.
This unique boathouse in northern Wisconsin, near Manitowish Waters, was designed to blend into its surroundings. The combination of metal roofing with walls constructed of metal, wood, and plaster makes for an almost indestructible storage facility.

“We really wanted this structure to go away from a distance and be a pleasant surprise as you got closer,” said architect Douglas Kozel. “The color, texture, and material helped with that. It’s supposed to be a modest structure despite the great amount of detail.”

Kozel said metal roofing was chosen for this project to allow for the shedding of snow and other debris, such as leaves and pine needles. Several unique roofing details required the finesse of a crew who knows how to get metal to perform exactly the way the crew needs. Lou Rondeau, Owner of Natural Metal Associates of Mont Vernon, New Hampshire, journeyed to Wisconsin with his team, who were on the job for about six weeks installing the roof. The zinc specified for the roofing panels and trim came in prePATINA Graphite-Grey from RHEINZINK, supplied and fabricated by Sheet Metal Supply of Mundelein, Illinois. Natural Metal Associates installed 2,282 square feet of mechanical lock standing seam, 773 square feet of radiused mechanical-lock standing seam, and 1,235 linear feet of flashing material.
Drexel Metals released a new version of their standard metal roofing, wall, and perimeter edge finishes color chart in April 2020! The new chart aligns Drexel Metals with other CCM metal brands (Carlisle SynTec Systems and Versico Roofing Systems) and expands the Cool Roof Ratings beyond the former Energy Star program with the previous color chart. These color changes will improve Drexel Metals’ inventory position, further expand our geographic footprint, and most importantly, improve our service capabilities to YOU, our customers!

DripStop from Filc USA helps fight condensation without insulation. DripStop traps and holds condensation as it forms until it evaporates back into the air. It arrives at the job site already installed on the steel; saving time and money by eliminating one step of the building process. In addition, DripStop provides a significant layer of protection against corrosion, particularly in animal confinement.

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Do you need an extraordinary look for that special project? Get the Aged Metal rustic panels with a 40-year finish warranty. 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. Get inspiration at www.abmartin.net/aged-metal. Order today!

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www.dynamicfastener.com

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www.plyco.com

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www.gssisealants.com
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www.loganstampings.com
www.wegotclips.com

MWI Components’ Universal Ridge Clip is a 22-gauge galvanized clip that provides a large fastening area for any style ridge cap on a standing seam roof. With this clip, no fasteners penetrate the panel where they will be exposed to the weather, and no fasteners need to penetrate the standing seam. In addition to Ridge-Clips, MWI offers: Weather Vanes, PVC, Polycarbonate, Uni-Vent®, Uni-Seal®, Ultra-X Vented Closures, and Labor Saver, and most quantities are readily available for shipment.

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www.mfmbp.com

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www.terrain.com
www.roofcoatings.net

Petersen Aluminum

Petersen’s new PAC T-250 panel combines structural performance with architectural aesthetics. The T-250 can be installed bidirectionally and meets the needs of roof areas that require long panel runs. The wider seam of the T-250 creates bold shadow lines, offering architects a creative design option. PAC T-250 panels have a 30-year non-prorated warranty and come in 45 standard colors (most meet LEED, Energy Star, and cool roof certifications).
The new PANEL-TITE® Metal-to-Wood screw with patent-pending BURR BUSTER® point provides superior performance and long life. BURR BUSTER point reduces both burrs and chips caused during installation that can lead to leaks and rust stains on the panel. The special low-angle thread helps reduce over-driving the fastener—a problem that causes the screw to loosen and leak. Provided with TRI-SEAL® long-life coating that resists rust better than ordinary wood screws. Carbon steel available in diameters #10, #12, and #14. For warranted panels, stainless cap head, zinc cap head, and 304 stainless steel are available.

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A new product is joining ST Fastening Systems’ MultiVent line of ventilation materials—introducing the MultiVent20. The versatility of the MultiVent20, like the MultiVent10, allows for installation either onto the ridge cap or the metal roof panel. MultiVent20 is a specially formulated coated polyester manufactured from recycled material, and it’s recyclable, too. It won’t absorb moisture, which can freeze and block all ventilation. MultiVent20’s unique double beaded adhesive is perfect for durable holding strength. Now you have a choice between 10’ and 20’ rolls.

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Rather than hold off on launching the digital Classifieds and Help Wanted, we are going to offer them for free until the COVID-19 restrictions lift. This is one more way we are trying to help our readers and advertisers during this struggle.

To take advantage of this offer, follow the links at right and create an account. Proceed exactly as you would to purchase a classified.

- www.ruralbuildermag.com
- www.metalroofingmag.com

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NEW PRODUCTS

Certainteed WinterGuard® Metal Waterproofing Underlayment
Certainteed launched a new underlayment product, WinterGuard® Metal, suitable for metal, shingle, slate, or mechanically-fastened tile roof applications. It is self-adhering, slip-resistant, and unaffected by high temperatures caused by sun exposure during installation or when placed under metal roofing.

WinterGuard Metal’s self-adhering design allows it to apply easily and stick well to most surfaces, while its split-release backing is designed for quick installation. Easy to stretch and adjust during application, WinterGuard Metal provides superior leak protection as well as traction for added contractor safety.

WinterGuard Metal is available in roll sizes of 39⅜” x 61’, with a coverage area of 200 square feet per roll. The product meets ASTM D1970 and includes a warranty duration matching that of the roofing material applied over it, up to 50 years.

Ergodyne Squids® 3420 Swiveling Glove Clip Holders
Ergodyne announced an extension of its glove clip line with the launch of Squids® 3420 Swiveling Glove Clip Holders. Highlights of the new clip include a unique breakaway design that allows safe separation without creating projectiles or foreign objects, and a swiveling capability that prevents the gear and clip from getting bound up. Two strong clips ensure a secure attachment point for gloves, keys, and more to items like belt loops and D-rings.

As with all of Ergodyne’s glove clips, the swiveling model is available in a variety of colors (granite, black, blue, lime, orange, and red) and can also be customized with company logos or slogans.

Makita Quiet Series™ Electric Air Compressors
Makita U.S.A. announced its new Quiet Series™ Electric Air Compressors for truly quiet operation and job site performance. The compressors were designed to reduce the exposure to excessive noise, while delivering professional performance. At 60 dB or less, they provide quiet operation for indoor or outdoor use.

Running at a low 1750 RPMs, the motor and pump life are extended because they are not overworked. The Quiet Series Electric Air Compressors have a lower amp draw, lower vibrations, and longer life. By drawing less amps, these compressors reduce incidences of tripped breakers and are less likely to experience motor failure resulting from voltage drop. The lower amp draw also affords for cold weather starts.

Air tanks fill quickly from empty: 90 seconds for MAC100Q, 65 seconds for MAC210Q and MAC320Q. A lever-handle tank drain provides easy air tank release and large pressure gauges provide easier visibility of tank and hose pressure.

ATAS International’s New Matte Colors
To complement the industry-accepted standard gloss finish of over 35 standard colors, ATAS International now stocks six new matte colors. The new low-gloss finish offers a more subdued aesthetic, like that which is found with natural metals. Matte Black has been a popular color choice for many building components recently, and that color leads the new matte palette, which also includes Thunder Grey, Anchor Grey, Ash Grey, Char Brown, and Almond. The new matte colors will be stocked in .032 and .040 aluminum and 24-gauge steel; other gauges are available upon special request.

The coatings are designed to resist fading, chalking, and abrasion, and meet the requirements specified in AAMA 2605-13 and AAMA 620-02.
BUSINESS CONNECTION

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DYNA-CLAIP®

Dyna-Clip is a new component for Dyna-Guard snow retention system.

Attention architects / specifiers:

For a CSI 3 part specification and CAD details on DYNA-GUARD products see our page on Arcat

https://www.arcat.com/arcatcos/cos50/arc50660.html
https://www.arcat.com/company/dynamic-fastener-50660/spec
https://www.arcat.com/company/dynamic-fastener-50660/cad

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