



# the idea book

**THE LATEST  
DESIGNS IN  
METAL ROOFING**

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# The Rise of Residential?

**S**late, shingle, tile, hidden fastener, through-fastened ... there's no limit to the looks that can be achieved with metal roof materials these days. The Metal Roofing Idea Book has been a showcase for metal roof design and execution for well over a decade. Looking back, some metal roofs are just timeless.

As you read through this very special edition, or even run down the Table of Contents, you'll no doubt notice a remarkable number of residential projects this time. I can't help but wonder: Since so many contributors selected residential projects to be published, is it an indication of a significant rise in popularity of residential metal roofing? Does this mean that there is an uptick

in the number of homeowners who truly recognize the values of metal roofing? Those values being, of course, longevity, aesthetic flexibility, sustainability, and so on?

Or perhaps it's coincidence and many of the contributors just happened to choose residential roof projects among the many projects that they've completed or had a hand in over the last couple of years.

This is the 19th edition of this special edition. Way back in 2005, in the inaugural edition, the editors explained The Idea Book is here to celebrate the colors, angles, functions, and other design options made possible only by metal. They said: "In this publication, you will see fine examples

of everything metal roofing has to offer an architect or specifier involved in roof design." The same holds true today.

Not only do we hope you enjoy this edition, but as you complete your contracts in 2024, we hope you'll earmark a project to contribute to the 20th edition of the Idea Book in 2025. Upload projects throughout the year at: <https://readmetal-roofing.com/metal-roofing-project-submission-form/>.

Have you noticed an uptick in your residential projects? We'd be very interested in what you think and what your recent experience tells you ... drop us a line and let us know.

Until next time — be well.

*Karen Knapstein, Managing Editor*



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## CHOOSING THE MOST POWERFUL TAKEOFF SOFTWARE MATTERS TO YOUR BOTTOM-LINE.



# the idea book contents

## Projects

- 8: Residence**  
by Distinctive Metal Roofing
- 10: Car Storage**  
by Strober Roofing & Metal Works
- 12: Airbnb**  
by Renoteck Metal Roofing
- 14: Residence**  
by ProVia
- 16: Residence**  
by Snap Z
- 18: Residence**  
by True Metal Supply
- 20: Residence**  
by Diamond Steel Roofing
- 22: Residence**  
by Wayne H. Miller & Sons Roofing
- 24: Church**  
by Ideal Roofing
- 26: Historical**  
by Smith Roofing & Exteriors
- 28: University**  
by IMETCO
- 30: Casino**  
by Englert
- 32: Education**  
by Flow Roofing
- 34: Residence**  
by Best Buy Metals
- 36: Corporate Headquarters**  
by S-5!
- 38: Residence**  
by Coated Metals Group (CMG)
- 40: Residence**  
by Arrowhead Roofing & Sheet Metal
- 42: Educational Center**  
by Orndorff & Spaid Roofing
- 44: Residence**  
by Drexel Metals
- 49: Residence**  
by Green Knight® Metal Roofing
- 50: Residence**  
by APEX Roofing
- 52: Residence**  
by Precision Exteriors
- 55: Garage Home**  
by Superior Buildings
- 56: Courthouse**  
by Spengler Industries
- 58: Education**  
by PAC-CLAD | Petersen
- 61: Education**  
by ATAS International
- 62: Residence**  
by McElroy Metal



## DEPARTMENTS

- 3 Editor's Note
- 46 Business Connections
- 63 Events Calendar
- 64 News
- 66 Products & Services
- 67 New Products



18



34

### JUNE PREVIEW

- Panel Installation Tips
- Cyber Security
- Roofing Technologies
- Roofing Elements

**GO TO PAGE 60 TO  
SUBSCRIBE  
TO MORE  
FREE MAGAZINES**

## INDEX OF ADVERTISERS

Company	Page #
AceClamp .....	43
Acu-Form .....	45, 47
AkzoNobel .....	9
Ameripak Inc .....	47
AppliCad Software .....	3
ASC Machine Tools Inc.....	47
ATAS International .....	CVR
Aztec Washer Company.....	47
Best Buy Metals Knoxville .....	35
Coated Metals Group .....	CVR, 39
Cornerstone Building Brands Shelter Solutions C/O Fortify Building Solutions.....	17
Direct Metals Inc.....	47
Drexel Metals .....	CVR
Dynamic Fastener.....	BC
Englert Inc.....	CVR
EPDM Coatings.....	31
Everlast Metals.....	47
Formwright .....	19
FRSA .....	21
Golden Rule Fasteners.....	46
Hixwood.....	43
Ideal Roofing Co. Ltd.....	25
Kevmar Manufacturing.....	46
Kirsch Building Products - Sharkskin....	CVR, 6, 7
Marion Manufacturing.....	46
Metal Rollforming Systems.....	27
MFM Building Products.....	33
MWI Components.....	29
New Tech Machinery.....	41
Perma-Column LLC.....	47
Petersen - Pac Clad.....	11
Planet Saver Industries / GreenPost.....	47
ProVia.....	13
Raytec Manufacturing.....	23
Red Dot Products, LLC.....	46
RetroFitClip .....	46
rFOIL Reflective Insulation - Coverttech.....	46
Roll Former LLC.....	51
S-51 .....	37
Samco Machinery .....	48
Steel Dynamics .....	IFC
SteelGrip SAMM, Inc.....	46
True Metal Supply .....	CVR
United Steel Supply.....	46

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# Kirsch Building Products

METAL OF HONOR AWARDS: 3 ■ WEBSITE: [www.sharkskinroof.com](http://www.sharkskinroof.com) ■ PHONE: 877-742-7507

## Project: St. Peters Cathedral, Erie, PA

**Scope of works:** Slate Re-Roof, Standing Seam Copper Roof, and Gutters Replacement

**Contractor:** A.W. Farrell & Son, Inc. Erie, Pennsylvania

**Copper Roof and Gutters:** Armor Fab, LLC, Erie, Pennsylvania. 30-SQ of Copper Roofing. 750' feet of gutter

**Project Manager:** Randy Pace

**Assistant Project Manager:** Tony Lazarony

**Slate Foremen:** Sean Irwin and Gary Fish, and Journeyman Paul Gibbs from Roofer's Local 210. 230-SQ of Slate

**Copper Work Foremen:** Kody Pace and Chris Hogue from Sheetmetal Local 12

In 1873 ground was broken to begin the building of the St. Peters Cathedral in Erie, Pennsylvania. A slate roof was installed on the steep pitches, along with a standing seam copper roof at lower pitches, and copper gutters set-into the stone perimeter of the roof.

Prior to the re-roof \$2 million in "gold leaf" was applied to the walls and ceilings inside the church. This meant the winter prior to the new roof installation the existing roof had to be protected. The re-roof began in the Spring of 2023, with the 150-year-old slate being removed first, as Sharkskin Ultra SA® was installed to protect the Cathedral.

Sharkskin Ultra SA® was chosen for the re-roof of the St.



Peters Cathedral, in Erie, Pennsylvania, for its long term 50-year warranty and High-Temp rating under the new Greenstone Slate roof and Standing Seam Copper Roof. In addition, the Cathedral is approximately a little more than a mile from Lake Erie. Lake Erie is known for its strong "lake breeze" winds. The men from A.W. Farrell & Son, Inc., have experience with Sharkskin Ultra SA® and know once installed properly, it's not going to blow off.

In addition, the walking surface of the Sharkskin Ultra SA® provided the men setting the roof scaffolding, and roof jacks with a safe walking surface. The scaffolding set directly on top of the Sharkskin Ultra SA® was leak-free during the roof installation. Sharkskin Ultra SA provided leak-free protection on the entire project from start to finish, as well as providing 12-Month UV Protection.

With the top of the Cathedral steeple at 300' and the distance to the top of the gutters at 80'-100', it was important that the project ran smoothly. Every pallet of slate had to be "ring tested," which means a hammer is used to test the slate, to make

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sure there are no cracks. The slate will ping in just the right way to confirm, soundness. In addition, slate was pulled from three separate pallets onto one, to maintain even color dispersion across the roof plane, to eliminate blotches of lighter and darker slates.

The standing seam copper roof panels and copper gutters were fabricated locally by Armor Fab, LLC, owned by Robert Pace. The copper gutters were made in 20' lengths and craned up to the roof. The on-site crane was invaluable for the installation of both the Copper Sheetmetal work and slate roof installation.

Another beautiful roof installation from the men at A.W. Farrell & Son, Inc.



# PROJECT

# RESIDENCE

**DISTINCTIVE METAL ROOFING ■ GATES MILLS, OHIO**

**INSTALLER:**

Distinctive Metal Roofing

**ROOF SIZE:**

10,500 sq. ft.

**ROOFING SYSTEM**

**MANUFACTURER:**

ProVia; Premier Metals

**ROOF PANELS:**

ProVia Briarwood Shake, 26 ga.; Premier Metals mechanical standing seam, 24 ga., in Slate Gray

**COATING:**

PVDF

**UNDERLAYMENT:**

Roof Aquaguard;  
Titanium UDL 30



**T**his project included the removal of an existing cedar shake roof followed by underlayment application and the installation of ProVia Briarwood 26 gauge stamped steel metal shingles and Premier Metal's 24 gauge mechanically seamed Galvalume standing seam for the low-pitched sections. ■

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





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## PROJECT

# CAR STORAGE

STROBER ROOFING & METAL ■ HOPEWELL, NEW JERSEY

**ARCHITECT:**

Ed Sheehab

**INSTALLER:**

Strober Roofing & Metal Works

**CONTRACTOR:**

John Van Selous

**ROOF SIZE:**

125 squares

**ROOFING SYSTEM**

**MANUFACTURER:**

Strober; Drexel Metals

**ROOF PANELS:**

1 1/2" Snap Lock, 24 ga.,  
Galvalume

**COATING:**

Kynar 500

**FASTENERS:**

FSI Fasteners

**UNDERLAYMENT:**

High Temp Smooth

**SEALANT:**

Novaflex

**SNOW MANAGEMENT:**

S-5! Snow Rail

**OTHER:**

All accessories fabricated by  
Strober Roofing & Metal Works

<https://stroberroofing.com/>



**D**rexel Metals supplied Strober Roofing & Metal Works with the 24-gauge Galvalume to complete this 125-square roofing job. ■

# Whimsical Roofline



**Vibrant Dynamic Blue Snap-Clad metal panels** brighten the playful roof shapes and walls of two interior courtyards, invigorating this mixed-use building that houses a Chicago Public Library, childcare center and community meeting space.

Altgeld Family Resource Center, Chicago    Installing contractor: Progressive Dynamics    Architect: KOO LLC  
Owner: Chicago Housing Authority    Photo: hortonphotoinc.com



**Snap-Clad**  
Metal Roof and Wall System  
Custom Dynamic Blue



View the  
case study  
and video



# PROJECT

# AIRBNB

RENOTECK METAL ROOFING ■ CALGARY, AB, CANADA

**INSTALLER:**

Renoteck Roofing & Exteriors

**CONTRACTOR:**

Renoteck Roofing & Exteriors

**ROOF SIZE:**

2,200 sq. ft.

**ROOFING SYSTEM**

**MANUFACTURER:**

Rare Manufacturing Inc.;  
Metalworks Canada

**ROOF PANELS:**

Slate metal shingles; custom  
trims

**COATING:**

PVDF, Black metal shingle with  
Copper Penny connection trims

**UNDERLAYMENT:**

Delta Vent SA

<https://renoteckroofing.com/>



**T**his unique project, shaped like a soccer ball, is now utilized as a full-time Airbnb. The original building's complexity necessitated an exterior finish of spray foam with a coating. Unfortunately, this construction led to issues with condensation and mold. The new owners completely gutted the house and started anew. Renoteck Metal Roofing & Exteriors was commissioned to design and execute the exterior finish.

The entire building was enveloped in Delta Vent SA, a vapor-permeable, self-adhering air- and water-resistant barrier. Renoteck's design included the RARE Iron Stone Slate metal shingle, integrated with custom metal trim produced by Metalworks Canada. ■

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## PROJECT

# RESIDENCE

PROVIA ■ COLUMBUS, OHIO

#### CONTRACTOR:

Newman Roofing, Sunbury, Ohio

#### ROOFING SYSTEM

#### MANUFACTURER:

ProVia

#### ROOF PANELS:

ProVia Metal Barrel Tile stamped panel, 26 ga.

#### COATING:

Kynar 500; ProVia GalvaTec™ finish system

#### FASTENERS:

#10 x 1" galvanized panhead screws; components - #10 x 1" self-sealing galvanized hex-head screws

#### UNDERLAYMENT:

Sharkskin Ultra, Sharkskin Ultra SA



**T**he owners of this beautiful Mediterranean-style house were eager to replace their worn asphalt roof. They wanted something that would match the architectural style of their home and loved the look of barrel tile but were wary of the expense, weight, and maintenance of clay. More importantly, they wanted a long-lasting, durable roof that would endure and protect against heavy rain and snow, damaging hail, and harsh sunlight without deteriorating or color fading.

ProVia Metal Barrel Tile roofing “checked all the boxes” according to the homeowners. The roofing panels are manufactured with 26-gauge steel, galvanized on both sides, with a thermally deposited anti-corrosive coating. Unlike asphalt shingles, the surface texture is not porous; the stamped panel system has a durable GalvaTec™ coating that resists mold and mildew. The metal panels have up to 30% more steel than the industry average, while also being three times lighter than asphalt shingles,

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making the system easier to install without the additional structural support needed with clay tiles. It's engineered to withstand 130-mph winds and carries a Class 4 hail rating.

The cascading profile of ProVia Metal Barrel Tile roofing offers elegant curb appeal, and the colors – Terracotta, Mocha, Auburn, and Jade – complement the earthy hues of desert, coastal, Mediterranean, and Mission-style architecture. A Kynar™ 500 ceramic pigmented finish provides a low sheen, matte appearance. Tongue-and-groove panel attachment and hidden fasteners provide a clean look, devoid of clunky screws and bolts.

The homeowners are thrilled with all the advantages their metal roof provides. "It gives us the longevity we wanted, it's going to look great, and it's low maintenance – everything we were looking for." ■



## PROJECT

# RESIDENCE

**SNAP-Z ■ MANHEIM, PENNSYLVANIA**

**INSTALLER:** MR Roofing

**CONTRACTOR:**  
Stable Hollow Construction

**ROOF PANELS:**  
SL450 1 1/2" Snaplock Panels,  
New Tech

**COATING:**  
Kynar 500 Bright Silver

**FASTENERS:**  
Pancake Screws & Clips

**SNOW GUARDS:**  
Snow Defender 6500

**VENTILATION:**  
Snap Z Ridge Vents

**SEALANT:**  
Geocel Butyl Tape

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



A mix of textures can add depth and richness to an exterior, enhancing the structure's aesthetic appeal. In this case, bright and beautiful 1 1/2" Snaplock panels contrast with the traditional and long-lasting cedar shingles featured on the center part of this Pennsylvania home. Thanks in part to proper ventilation, both roof types will provide the homeowners with decades of service and protection. ■







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## PROJECT

# RESIDENCE

TRUE METAL SUPPLY ■ DANDRIDGE, TENNESSEE

**CONTRACTOR:** Nabok, Inc.

**ROOF SIZE:** 4,000 sq. ft.

**ROOFING SYSTEM**

**MANUFACTURER:**

True Metal Supply

**ROOF PANELS:**

True Metal Supply Copper  
Penny TrueLock™ 175 Standing  
Seam, 24 ga.

**COATING:**

Sherwin-Williams Coil Coatings,  
Fluropon®, Copper Penny

**FASTENERS:**

Atlas Bolt & Screw

**UNDERLAYMENT:**

Marco Industries HydraShell™  
Synthetic Underlayment; Marco  
Industries Ice & Water Shield

**SEALANT:** Atlas Bolt & Screw

UltiBond Sealant

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



**T**his beautiful 4,000 square feet, Copper Penny TrueLock™ 175 metal roof was the ideal fit for this newly constructed log home in Dandridge, Tennessee. With a 1.75" rib on the concealed fastened Standing Seam panels, this bold profile worked perfectly with the unique roof lines and building design. ■



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# PROJECT

# RESIDENCE

**DIAMOND STEEL ROOFING**  
■ **WAKEFIELD, QUEBEC, CANADA**

**ARCHITECT:**

Kariouk Associates

**INSTALLER:**

GPL Construction

**CONTRACTOR:**

GPL Construction

**ROOFING SYSTEM**

**MANUFACTURER:**

Diamond Steel Roofing

**ROOF PANELS:**

16" x 16" Diamond steel

**COATING:**

Sherwin-Williams Wrinkle SMP

**FASTENERS:**

1-1/4" galvanized roofing nails



**D**iamond Steel Roofing is a Manufacturer of a Diamond & Rectangular Steel shingle. Our materials have been used in projects including roofing and wall cladding applications. Our Diamond shape shingle adds a unique feature to any home, while our Rectangle shape shingle produces a more traditional look. The interlocking panels keep any application water tight, while the hidden fasteners protect against environmental wear and tear. ■

<https://www.diamondroof.on.ca/>

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## PROJECT

# RESIDENCE

WAYNE H. MILLER & SONS ROOFING ■ SUGARCREEK, OHIO

**INSTALLER:**

Wayne H. Miller & Sons Roofing

**CONTRACTOR:**

Wayne H. Miller & Sons Roofing

**ROOF SIZE:**

170 sq., most 16/12

**ROOFING SYSTEM**

**MANUFACTURER:** ProVia

**ROOF PANELS:**

ProVia steel slate, Baystone

**COATING:** PVDF

**FASTENERS:**

ProVia #10 x 1" Hex Head screws

**UNDERLAYMENT:**

Certainteed Diamond Deck Synthetic Underlayment

**INSULATION:** Spray foam

**SNOW GUARDS:**

ProGrip Snow Diverters, color-matched from ProVia

<https://waynemillerroofing.com/>



**T**he biggest challenge with this job: We had to install all the flashing details around the porches and any place where there was sidewall / endwall so the stone mason could do his work first so that he would not have to worry about damaging the metal roof. Then we would come along after him and install the panels.

We started the project the first week in April 2023 and finished the last of July, only working on it two to three days a week because we had to follow after the mason. Given the pitch of the roof, we had to use lifts and/or scaffolding almost everywhere.

The customer wanted us to keep moving to not hold up his insulation and drywall crews. ■



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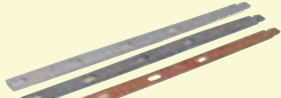
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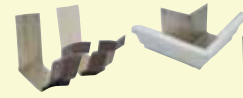
Hanger Straps



Fasteners



Strip Miters - Bay Miters - Box Miters



Adapters



Outlets



End Caps



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Wedges



Strip Flashing

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## PROJECT

# CHURCH

IDEAL ROOFING ■ WINDSOR, ONTARIO

**ARCHITECT:**

Allan Avis Architects, Inc.

**INSTALLER:**

Double AA Metal Roofing

**ROOF PANELS:**

Ideal Roofing, Wakefield Bridge  
16 oz. Copper

**UNDERLAYMENT:**

Grace Ice & Water Shield HT

[www.idealroofing.ca](http://www.idealroofing.ca)



**O**ur Lady of Assumption Church was built in 1845. It is the oldest operating church west of Montreal in Canada. Visible when driving over the Ambassador Bridge from Windsor, Ontario, Canada to Detroit, Michigan, USA. The parish wanted to replace their current roof with a product that would last 100 years. After careful consideration, the parish decided to move forward with Wakefield Bridge 4-way interlocking shingles in 16 oz. Copper. Wakefield Bridge is stamped in Brampton, Ontario. A product that was launched back in 2007 by Ideal Roofing, Wakefield Bridge is wind rated to 241KMH, which is helpful as this area can experience high winds off the river. Many members of the parish and community donated money to the restoration and had their names scribed on the back of the Wakefield Bridge shingles. ■





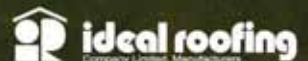
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## PROJECT

# HISTORICAL

SMITH ROOFING & EXTERIORS ■ KINGSTON, TENNESSEE

**INSTALLER:**

Smith Roofing & Exteriors

**ROOF SIZE:**

6,500 sq. ft.

**ROOFING SYSTEM**

**MANUFACTURER:**

Kassel & Irons

**ROOF PANELS:**

Kassel & Irons KasselWood  
Steel Shingles (Metal  
Construction Association  
Certified Premium)

**COATING:**

PPG Duranar

**FASTENERS:**

SFS Pancake Screws

**OTHER:**

84 Lumber 7/16" OSB  
sheathing

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



Our team was honored to be trusted by the City of Kingston in Tennessee to replace and authentically replicate the historic buildings at Fort Southwest Point. The KasselWood Steel Shingle Roof supplied by True Metal Supply was the perfect selection to uphold the original, aged shingle look, which was the desired final result. ■





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## PROJECT

# UNIVERSITY

## IMETCO ■ ERIE, PENNSYLVANIA

### ARCHITECT:

GBBN, Pittsburgh, Pennsylvania

### INSTALLER:

McCreary Roofing Company, Inc.,  
Erie, Pennsylvania

### CONTRACTOR:

E.E Austin & Son, Inc.,  
Erie, Pennsylvania

### ROOF SIZE:

8,505 sq. ft.; 1,287 sq. ft.  
(lateral) wall

### ROOFING & WALL SYSTEM MANUFACTURER:

IMETCO

### ROOF PANELS:

ZIP-RIB® Structural metal  
standing seam roof system, .050"  
aluminum, 12" w flat pan

### WALL PANELS:

IntelliScreen® rainscreen wall  
system with ZIP-RIB standing  
seam metal wall system and  
Latitude® wall panel cladding,  
12" w flat pan

### COATING:

IMETCO da Vinci Collection  
Cerulean Shadow brushed finish

### FASTENERS:

IMETCO Latitude concealed  
fastener wall panel cladding, 3"  
Deep Latitude, Deep Rib D Profile

### UNDERLAYMENT:

IMETCO AquaBlock™ 50

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



PHOTOS BY BRAD FEINKNOPF, COLUMBUS, OHIO

Originally built in 1838, the Federal House at Penn State Behrend Campus is believed to be the oldest remaining structure in Harborcreek Township. In 2022, the building was renovated and expanded to serve as the new home of the Susan Hirt Hagen Center

for Community Outreach, Research and Evaluation (CORE). The 11,000 sq. ft. modern addition features a range of complementary metal roof and wall panels manufactured by Innovative Metals Company, Inc.



(IMETCO), headquartered in Norcross, Georgia. The expert installation was managed by Erie, Pennsylvania-based contractor, McCreary Roofing Company, Inc., which has been serving the surrounding community since 1890. To create a flowing aesthetic from roof to wall, the design team used a knee joint detail that enabled a seamless transition between lateral and vertical panels. ■





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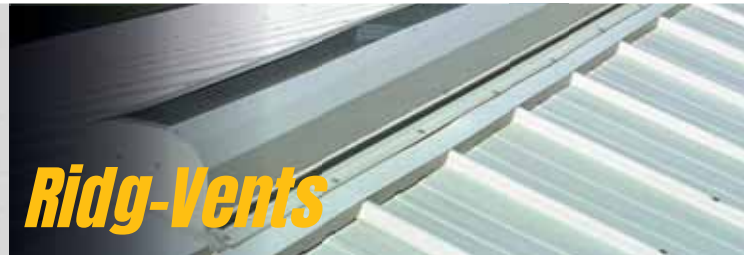
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## PROJECT

# CASINO

ENGLERT ■ BATON ROUGE, LOUISIANA

**INSTALLER:**

Willoughby Roofing & Sheet Metal, Cullman, Alabama

**ROOF SIZE:**

39,200 sq. ft.

**ROOFING SYSTEM**

**MANUFACTURER:**

Englert

**ROOF PANELS:**

Englert Standing Seam Series 2500 2", 22 ga.

**COATING:**

PPG ULTRA-Cool™ low-gloss

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



**E**nglert supplied roofing materials to Willoughby Roofing & Sheet Metal in Cullman, Alabama, for the new roof on The Queen Casino in Baton Rouge, Louisiana. Willoughby Roofing installed 39,200 sq. ft. of Englert standing seam series 2500 – 2”-high profile in 22-gauge panel over metal deck construction.

Kyle Willoughby, VP at Willoughby Roofing said, “Englert provided a quality panel in a timely manner, that allowed our team to effectively install the roof. Englert’s inspection process was made simple by their team and very thorough for Willoughby Roofing to provide a quality warranty.”

Englert’s standing seam roofing was chosen for its quality, durability, and low maintenance, which are essential for the casino’s roofing. This will serve the casino building well for many years to come. ■



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# PROJECT

# EDUCATION

FLOW ROOFING ■ KNOXVILLE, TENNESSEE

**INSTALLER:**

Flow Roofing

**ROOF SIZE:**

6,500 sq. ft.

**ROOFING SYSTEM**

**MANUFACTURER**

**& MAIN SUPPLIER:**

True Metal Supply

**ROOF PANELS:**

True Metal Supply DuraLock  
Standing Seam, Galvalume

**FASTENERS:**

SFS Pancake Screws

**UNDERLAYMENT:**

Marco Industries HydraShell  
Synthetic Underlayment

**SEALANT:**

Atlas Bolt & Screw UltiBond

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



**T**his project was completed for the Tate Elementary School in Knoxville, Tennessee. Made up of multiple buildings, this was a fun DuraLock Standing Seam project that will last the community a lifetime! With cupola reroofing and varying hips and valleys, this project required expertise and craftsmanship that resulted in a quality metal roof. ■







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## PROJECT

# RESIDENCE

**BEST BUY METALS ■ SPRING CITY, TENNESSEE**

**INSTALLER:**

Roof Nurse

**CONTRACTOR:**

Tony Shrum - Roof Nurse

**ROOFING SYSTEM**

**MANUFACTURER:**

Best Buy Metals

**ROOF PANELS:**

Best Buy Metals Titan Loc 100

**COATING:**

Best Buy Metals Charcoal

**FASTENERS:**

Atlas #10 x 1.5 Wood Screws,  
Charcoal  
Stainless Steel Pop Rivets,  
Charcoal  
Levi's Screws & Nails

**UNDERLAYMENT:**

Polyglass Polystick TU Plus;  
Summit 60; Tech Wrap

**SEALANT:**

Solar Seal, Charcoal;  
Butyl Tape



**T**his job could have been a disaster. After talking to the customer to find out what they wanted, we went to work. Soon we found out that instead of being on 4' centers like we were told, the framing was on

27" centers, so when we were putting on the decking, we lost 13" per sheet. That ended up adding about 50 sheets of plywood to the job. The home owner was very understanding and we kept going.

After losing a day, Roof Nurse was able to keep the job

moving forward with the help of Best Buy Metals. Both Nicole Harris and Jerry Chambers at the Cleveland facility were able to make magic happen and to get coils delivered to get it all back on track. With the delivery of the new coils the installation went forward without any issues. ■





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Florida Building Code Approval # FL42103



## PROJECT

# CORPORATE HQ

S-5!® ■ COLORADO SPRINGS, COLORADO

### ARCHITECT:

PWN Architects and Planners,  
Inc., Denver

### INSTALLER:

Weathercraft Company  
of Colorado Springs Inc.,  
Colorado Springs, Colorado;  
weathercraftroofingco.com

### CONTRACTOR:

Construction Management  
Group of CO, LLC, Colorado  
Springs, Colorado; tcmg.us

### ROOF SIZE:

10,550 sq. ft. total (2 roofs)

### ROOFING SYSTEM

#### MANUFACTURER:

Main office roof manufacturer:  
Drexel Metals/New Tech  
Machinery; Support building  
roof manufacturer: Rigid Global

### ROOF PANELS:

Main office roof: Drexel Metals/  
New Tech Machinery 24 ga.,  
1 1/2" x 16" double-fold,  
standing seam

### COATING:

Drexel Metals and Shaefer &  
Co.: Kynar 500, Low Gloss  
Black, Offwhite soffits

### FASTENERS:

SFS and S-5!: SSR Clips,  
Seam Clamps

### UNDERLAYMENT:

Grace Ice & Water Shield

### SNOW & RAIN MANAGEMENT:

S-5! DualGard, S-5! ColorGard  
& S-5! X-Gard 2.0



**L**ocated on 4.5+ acres in the heart of Black Forest, Colorado, the two-story office building sports exterior and interior metal finishes and a comfortable yet provocative space for S-5! The adjacent support building houses the company's video training center, a prototype shop and test facilities.

The office space is a true representation of the beauty of Black Forest with design elements unique to the area and throughout Colorado, yet also expresses commercial and industrial elements representative of the industry S-5! serves—a goal for owner, Rob Haddock.

The use of native timber and natural moss rock is harmonious with the rustic mountain rural and local architecture. Corten steel (sometimes known as weathered steel) also provides a rustic appearance to the

### SEALANT:

Sika Sikaflex

### INSULATION:

Service Partners Polyurethane  
Foam and Fiberglass

### VENTILATION:

MEP Engineer

### OTHER COMPONENTS:

Trina solar module; Enphase  
microinverter; S-5! PVKIT solar  
mounting system

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building exterior. The office features a pre-painted Galvalume® Drexel Metals 24-gauge, low-gloss black PVDF standing seam roof supported by hand-peeled log trusses.

Just outside the city limits of Colorado Springs, this building's interior features comfortable yet efficient workspaces and a familial environment with enough room for the business to grow. With gathering places for staff to visit and collaborate, the building clearly reflects the company's culture, ethos, style and persona. ■






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# RESIDENCE

COATED METALS GROUP ■ WAYZATA, MINNESOTA

**ARCHITECT:**  
Gordon James

**INSTALLER:**  
WB Exteriors

**CONTRACTOR:**  
Select Exteriors

**ROOFING SYSTEM  
MANUFACTURER:**  
WB Exteriors Manufactured on-site using New Tech Machinery portable roll former

**ROOF PANELS:**  
SS450 1 1/2", 24 ga.

**COATING:**  
CMG Matte Black PVDF

**UNDERLAYMENT:**  
FT Synthetics - Platinum HTB

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



PHOTO BY JON HUELSKAMP, LANDMARK PHOTOGRAPHY; WWW.LANDMARK.PHOTO

**T**his residential project in Wayzata, Minnesota, encapsulates the epitome of modern architecture harmonized with the tranquility of natural elements. With a CMG Matte Black

standing seam roof crowning its structure, the contemporary home stands as a testament to sleek elegance against the backdrop of Minnesota's serene landscape. The choice of Matte Black metal panels not only adds a touch of urban sophistication but also seamlessly integrates with the surrounding environment. Complementing this modernity is the Atlantic white cedar siding, infusing warmth and texture into the façade. Stone accents punctuate the exterior, grounding the structure in its natural setting while serving as a striking contrast to the smooth metal surfaces.

Central to the design is the emphasis on natural lighting, with expansive windows strategically placed to invite abundant daylight into the living spaces. This





deliberate choice not only illuminates the interior with a soft, ambient glow but also blurs the boundaries between indoor and outdoor, forging a deep connection with the picturesque landscape. The fusion of Matte Black standing seam roofing, Atlantic white cedar siding, stone elements, and ample natural light creates a contemporary sanctuary that exudes both sophistication and a profound appreciation for the inherent beauty of its surroundings.

“WB Exteriors manufactured the metal roofing panels on site. This project utilized a 1 1/2” snap-lock profile. Featuring a clip based installation and concealed fasteners, the snap lock panel is an incredibly efficient, versatile, and high-performing standing seam panel. The concealed clips allow for thermal expansion. This helps alleviate any oil canning and allows for a very efficient install. By manufacturing these panels on site, WB Exteriors was able to avoid long lead times and possible damage during shipping.”

— Adam Werner, WB Exteriors ■

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## 61 STANDARD FINISHES

# RESIDENCE

## ARROWHEAD ROOFING & SHEET METAL LAKE VERMILLION, MINNESOTA

### INSTALLER:

Arrowhead Roofing  
& Sheet Metal

### CONTRACTOR:

Arrowhead Roofing  
& Sheet Metal

### ROOFING SYSTEM

#### MANUFACTURER:

Arrowhead Roofing & Sheet  
Metal manufactured on-site  
using New Tech Machinery  
portable roll former

### ROOF PANELS:

New Tech 1" Snap Lock, 24 ga.,  
16" Panel Width

### COATING:

CMG Burgundy PVDF

### OTHER:

SIP Panels, Timber Frame Home

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



PHOTOS BY SHELBY VICTORIA PHOTOGRAPHY

This Northern Minnesota project entails the installation of a stunning Burgundy standing seam roof on a charming home nestled in Lake Vermillion, Minnesota. The home's aesthetic is enhanced by the incorporation of natural building materials that provide a rustic appeal that blends with the picturesque surroundings. The focal point of this project is the Burgundy standing seam roof that adds a touch of elegance and warmth to the home's overall design. The standing seam profile not only ensures durability and weather resistance but also contributes to the contemporary aesthetic. Complementing this, exposed timber frames are strategically integrated, creating a harmonious fusion of modern and traditional architectural elements, making this home a unique and visually captivating retreat.

This roofing project not only serves the functional purpose of protecting the home from the elements but also elevates its visual appeal. The combination of Burgundy metal panels and exposed timber frames creates a cohesive design that celebrates the natural beauty of Lake Vermillion, while providing a durable and stylish roofing solution.

The standing seam metal roof was expertly installed by Arrowhead Roofing. Wayne, the owner of Arrowhead Roofing, is a multi-generational sheet metal worker. This passed-down experience is quite evident in this beautiful home. In Wayne's words, many contractors stepped away from the project. With the cut-up nature of this roof, most contractors thought it would be too complex for standing seam, and didn't want to attempt such a complicated home. Being a leading expert, Wayne was up to the challenge and did a wonderful job. ■





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## PROJECT

# EDUCATIONAL CENTER

ORNDORFF & SPAID ROOFING ■ CHANTILLY, VIRGINIA

**ARCHITECT:**

Quinn Evans

**INSTALLER:**

Orndorff & Spaid Roofing

**CONTRACTOR:**

Cooper Building Services

**ROOF SIZE:**

8,100 sq. ft.

**ROOFING SYSTEM**

**MANUFACTURER:**

Metal Sales Manufacturing /  
PAC

**ROOF PANELS:**

Metal Sales Manufacturing  
Magna Lock 180 / Flush Seam

**COATING:**

PVDF

**FASTENERS:**

#10-13 x 1 1/2"PH  
Wood Screws

**UNDERLAYMENT:**

Henry Blueskin PE 200 HT

**SEALANT:**

Butyl Caulk / Vuilkem 116

**INSULATION:**

Carlisle 2" Insulbase NH

**SNOW MANAGEMENT:**

Ace Clamp 6061-T6 Aluminium  
(2 Bar)



**O**n this Job we had to meet The Living Building challenge. The system consisted of 2 layers of Carlisle 2" Insulbase (the first layer we had to cut out around the electrical conduits on the roof deck) then 3/4" plywood with Henry Blueskin underlayment. Metal Sales Magna-Loc 180. We fabricated and installed a custom SS Gutter screen (0.0150 x 0.0150 opening) per the specifications. The rain water is running into a rainwater harvesting cistern. ■



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# RESIDENCE

DREXEL METALS ■ CHARLESTON, SOUTH CAROLINA

**ARCHITECT:**

Boyd Architects

**CONTRACTOR:**

Shelter Custom-Built Living

**ROOFING SYSTEM**

**MANUFACTURER:**

Jet Metals

**ROOF PANELS:**

Drexel Metals aluminum, DMC 175S snap lock and DMC 100SS mechanically seamed, 18" w

**COATING:**

Sherwin-Williams Coil Coatings, Kynar, Weathered Zinc

**FASTENERS:**

Free-floating clips

**SEALANT:**

Titebond

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



**N**estled among Daniel Island, South Carolina's ocean inlet waterways, salt marshes and moss-strung oak trees is this stunning coastal home from Shelter Custom-Built Living and Boyd Architects. Completed in Fall 2023, the project team chose to cover the contemporary residence in a metal roof, citing its ability to complement the intended design aesthetic and provide enhanced durability (key in a coastal location).

Local fabricator Jet Metals roll-formed the coils purchased from national metal roofing supplier Drexel Metals into the DMC 175S profile, which was installed across the high-pitched section of the roof. The DMC 175S profile, which utilizes a snap-lock installation and free-floating clips is known for its distinctive 1¼" seam height and weathertight integrity. The metal panels were finished in Weathered Zinc, a metallic stormy-gray color, to help the project team keep the desired architectural color palette across each of the home's design elements.

Jet Metals roll-formed the remaining coils into the DMC 100SS profile, which was installed across the flat section of the roof directly above the home's outdoor living space. This mechanically seamed metal roof system adds architectural appeal and all-around performance in any type of coastal weather. The metal panels were also finished in Weathered Zinc for design cohesiveness. ■





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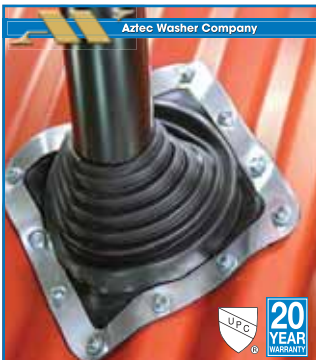
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## PROJECT

# RESIDENCE

GREEN KNIGHT® METAL ROOFING ■ DRIFTWOOD, TEXAS

**INSTALLER:**

Green Knight® Metal Roofing

**ROOF SIZE:**

8,000 sq. ft.

**ROOFING SYSTEM**

**MANUFACTURER:**

Green Knight® Metal Roofing

**ROOF PANELS:**

Snap Lock Standing Seam  
Panels made by Green Knight®  
Metal Roofing from United Steel  
Supply stock

**COATING:**

Sherwin-Williams Coil Coatings,  
Matte Black

**UNDERLAYMENT:**

Continental Materials (CMI)  
Secure Grip Max; SIP: CMI  
Secure Grip HT 2.0

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



**T**he homeowners had recently purchased this home, but the existing asphalt shingle roof had no more life left. They wanted a more modern roof for their home as well.

The roof was quite complex and steep and presented significant challenges. However, the Green Knight® team performed perfectly and the clients were thrilled with the final product. ■



## PROJECT

# RESIDENCE

APEX ROOFING ■ HARKER HEIGHTS, TEXAS

**INSTALLER:**

DG Roofing

**CONTRACTOR:**

APEX Roofing

**ROOF SIZE:**

65 Squares

**ROOFING SYSTEM**

**MANUFACTURER:**

Sheffield Metal

**ROOF PANELS:**

16" Striated Snap-Lock

**COATING:**

Kynar 500

**FASTENERS:**

1 1/4" acrylic coated

**UNDERLAYMENT:**

High-Temperature Ice & Water

**SEALANT:**

MasterSeal NP1

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



**T**his APEX Roofing metal roof replacement took place in Harker Heights, Texas. As part of the make-ready process to get the house ready to go on the market, the owner felt a beautiful new metal roof would ensure that the sale would bring top dollar.

The 6,000 sq. ft. home was a diamond in the rough in need of some updated curb appeal. The dark bronze Berringer roof definitely provides a bold statement, along with improved durability against the harsh storms that had badly damaged the previous roof.

Apex Roofing completed the job in just four days by breaking the metal onsite, despite



the challenges of a low slope. Installation expertise prompted the team to add winter guard underlayment, and to move from the previous non-striated to striated metal to further protect against regional climate conditions.

“We had an opportunity to make a beautiful home even more beautiful, and I believe we succeeded,” said Adam Murrell, General Manager. ■



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## PROJECT

# RESIDENCE

PRECISION EXTERIORS, LLC ■ ST. AUGUSTINE, FLORIDA

**ARCHITECT:**

C & A Williams Design, Inc.

**INSTALLER:**

Precision Exteriors, LLC

**CONTRACTOR:**

Cabrillo Construction

**ROOF SIZE:**

21 squares

**ROOFING SYSTEM**

**MANUFACTURER:**

Gulf Coast Supply

**ROOF PANELS:**

GulfWave, 26 ga.

**COATING:**

PVDF, Polar White

**FASTENERS:**

Atlas Wood Ultimate

**SEALANT:**

Titebond

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



**P**recision Exteriors installed a 26-ga. corrugated (GulfWave) roof manufactured by Gulf Coast Supply on this new home and detached mother-in-law suite in St. Augustine, Florida. In addition to the roof, the walls of both structures were also clad with 26-ga Gulf-Wave panels in Polar White.

The corrugated metal roofing and siding were a good choice to add a bit of the Old Florida look to this new home in the nation's oldest city. While the roof was pretty straightforward, the walls required a lot of precise cutting and fitting around doors, windows and other items attached to the walls. ■



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## PROJECT

# GARAGE HOME

SUPERIOR BUILDINGS ■ STEVENSVILLE, VIRGINIA

**CONTRACTOR:**

Superior Buildings

**ROOF SIZE:**

30' x 60'

**ROOFING SYSTEM**

**MANUFACTURER:**

Central States Manufacturing

**ROOF PANELS:**

Panel-Loc Plus™, 26 ga.

**COATING:**

1.0 mil SMP, Charcoal

**FASTENERS:**

Atlas Building Products #10  
Woodtite

**VENTILATION:**

Vented aluminum soffit

**CUPOLAS/WEATHERVANES:**

Cumberland Supply

[www.superiorbuildings.net](http://www.superiorbuildings.net)



**O**ur client wanted a post-frame building with room for storage, vehicles, and guests. Over the following weeks, we developed a design with a large garage area, a full living space, and an exterior that compliments the surrounding neighborhood. The 26 gauge metal is durable, easy to maintain, and will look good for years to come. ■



## PROJECT

# COURTHOUSE

SPENGLER INDUSTRIES ■ BONHAM, TEXAS

**ARCHITECT:**

Architexas

**INSTALLER:**

Anchor Roofing Systems;  
Campbellsville Industries

**CONTRACTOR:**

Turner Construction

**ROOF SIZE:**

12,000+ sq. ft.

**ROOFING SYSTEM**

**MANUFACTURER:**

Spengler Industries

**ROOF PANELS:**

Spengler Industries Custom-  
Pressed Shingles

**COATING:**

PVDF painted Galvalume

**FASTENERS:**

Stainless steel clips

**OTHER COMPONENTS:**

Hydroformed to specs and bent  
to historic requirements



Located just north of Dallas sits the historic and dramatic Fannin County Courthouse. We loved every last minute making the custom historic metal shingles and accessories to match the originals.

Choosing a Colonial Red color for the PVDF paint, our clients sent over original pieces for us to copy and replicate in Galvalume. We engineered each piece to last and each piece to look just like the original roofing material.

This project was particularly fun, as we got to replicate, engineer and manufacture three different shingle designs:

The first shingle was a flat lock, horizontally running, custom-pressed shingle measuring 6" x 12". This variety covered about 12,000 sq. ft. which



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





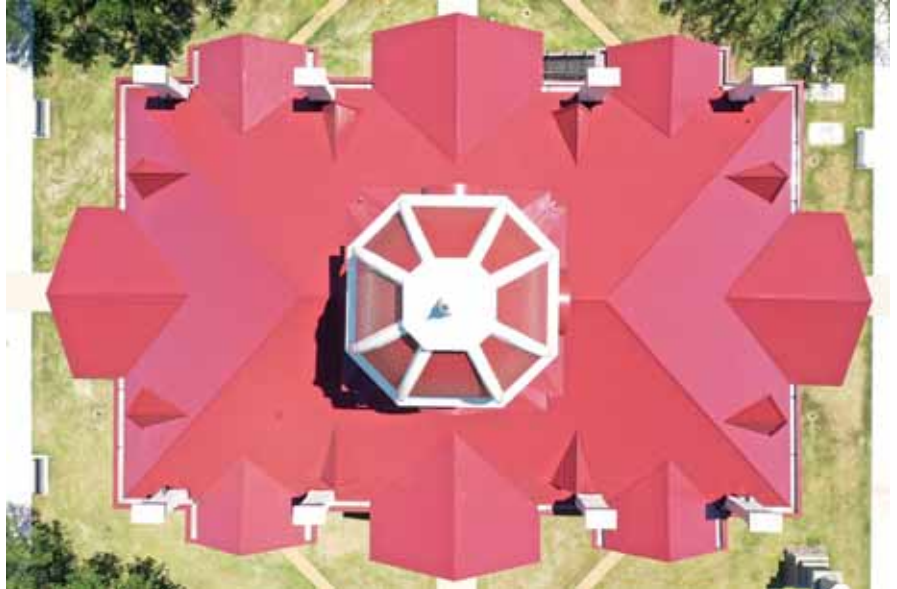
equates to approximately 24,000 pieces!

The courthouse features rounded dormers. To be applied on these areas, we made about 5,000 pieces of 12" x 16" rectangular custom-pressed shingles.

Finally, and perhaps most dramatically, we manufactured about 5,000 special 7" custom embossed diamond shingles to cover the domes.

This project required two roofing teams for the installation. One for the roof and the other tasked with the tower areas.

As the building is situated in a tornado and other heavy storm zone, we provided custom stainless steel fasteners in engineered quantities to protect against wind uplift. ■



# EDUCATION

PAC-CLAD | PETERSEN ■ ST. AUGUSTINE, FLORIDA

**ARCHITECT:**

Harvard Jolly Architecture

**INSTALLER:**

Thorne Metal Systems, Inc.

**CONTRACTOR:**

Thorne Metal Systems, Inc.

**ROOF PANELS:**

PAC-CLAD | Petersen  
Snap-Clad, .032" aluminum

**COATING:**

Kynar-based 70% PVDF,  
Pacific Blue

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



PHOTOS COURTESY OF HORTONPHOTOINC.COM.



**W**hen you're running the fastest-growing county in the nation's fastest-growing state, you've got a lot to keep up with when it comes to ensuring local services can keep up with the expanding population. This definitely has been the case for school officials in Florida's St. Johns County, where the population grew by 43% between 2010 and 2020. It seems new schools fill up almost as soon as they open their doors. To speed construction – and ease transitions for students who might get shifted to new facilities as they become available – the county-wide school district has developed model plans for its K-8 and senior high buildings.

The recently completed Pine Island Academy is an example of the K-8 design. Its roofline, which features metal roof panels to highlight entrances, interior stairwells and light wells, illustrates how such decorative touches can help the district's schools develop their own characters, even if they're all built to similar plans.

St. Johns County is in the northeast of Florida, abutting the Jacksonville metropolitan area, and features a lengthy coastline. This location has proved so attractive that more than 83,000 people moved into the area between the last two censuses – and an additional 25,000 joined them in



the past three years. Pine Island Academy now is one of seven similar schools within the county's school district (a number of K-5 and middle schools also serve this age group), which now serves almost 60,000 students in a total of 51 schools.

Located in St. Augustine, the 127,000 sq. ft. school is planned for a capacity of 1,500 students. Designers with the Jacksonville office of Harvard Jolly Architecture followed the template they developed for Palm Valley Academy a few years earlier. While the roof is predominantly low-rise membrane, sloped metal accents help break up the façade and add interest to the roofline. The architects specified Petersen to supply the PAC-CLAD metal roof panels – but the client had the final word when it came to the profile specified for the project.

“The senior project manager for the St. Johns County School District wanted the Snap-Clad Panel,” says Earl Drummond, the project manager leading

the installation team from Thorne Metal Systems of Orange Park, Florida. Harvard Jolly's architects initially had selected Petersen's Tite-Loc Plus product – a good choice, given its 180-degree mechanical seam – but the school's project manager thought Snap-Clad would be a better fit, given the panels' visual prominence from street level. “He thought it looked better – we've worked with him a few times and he likes the look of that panel.”

Though Drummond says this was a good-sized job for Thorne, it posed few challenges aside from the usual deadline issues common to school projects that need to be wrapped up in time for the next school year's start. He added that familiarity with Petersen as a supplier was a plus in helping ensure his company met the client's expectations. “I love working with Petersen,” Drummond says, noting the support Thorne gets from Petersen's local representative, Dave Landis. ■

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# EDUCATION

ATAS INTERNATIONAL ■ ALLENTOWN, PENNSYLVANIA

## ARCHITECT:

Re:Vision Architecture of Philadelphia, Pennsylvania

## INSTALLERS:

Alan Kunsman Roofing & Siding, Inc. of Freemansburg, PA (Metal Roof Panels) and Endless Energy of Wilkes-Barre, PA (solar panels)

## CONTRACTOR:

Whiting Turner of Bethlehem, Pennsylvania

## ROOFING SYSTEM

### MANUFACTURER:

ATAS International, Inc.

## ROOF PANELS:

2" Field-Lok, 24 ga.

## COATING:

Sherwin-Williams Coil Coatings, 70% PVDF Sandstone

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



PHOTOS BY MARCO CALDERON PHOTOGRAPHY, INC., HUNTINGTON BEACH, CALIFORNIA

**T**he Fahy Commons building at Muhlenberg College in Allentown, Pennsylvania, recently won three major sustainability awards.\* ATAS International manufactured the 24-gauge steel 2" Field-Lok standing seam metal roof panels, 15-1/4" wide, for this building. A solar array consisting of 183 panels was installed over the Sandstone-colored metal roof panels.

Standing seam metal panels are the ideal choice for a rooftop solar system because of their long service life. When installing solar panels (typically warranted for 25 years of power generation), a building owner benefits from a roofing substrate that has a greater life expectancy than the solar panels. The solar panels can be installed to the metal panel seams using special clamps, without any roof penetrations.

Through a generous gift from Gerald P. Fahy (Muhlenberg College class of 1979) and Cathleen A. Fahy, this three-story building was made possible. The building opened in January of 2023 and features more than 22,000 square feet of student programming and academic space, including the Office of Community Engagement, Innovation & Entrepreneurship Program, Makerspace, Institute of Public Opinion, Division of Graduate and Continuing Education, Religious & Spiritual Life, and the new art studios and classroom spaces. ■

\* The building received the Green Building United 2023 Groundbreaker Award in the Sustainable New Development or Major Renovation category; a top Architectural Excellence Committee on the Environment (COTE) Award from the American Institute of Architects' Pennsylvania chapter; and the higher education winner of the international 2023 METROPOLIS Planet Positive Awards.

# PROJECT

# RESIDENCE

McELROY METAL ■ PLANO, TEXAS

**INSTALLER:**

Absolute Construction,  
Plano, Texas

**ROOF SIZE:**

19,000 sq. ft.

**ROOFING SYSTEM**

**MANUFACTURER:**

McElroy Metal

**ROOF PANELS:**

1" standing seam, 19 1/2" w.,  
24 ga. Galvalume. Made on-site  
with a portable roll former

**COATING:**

Sherwin-Williams Coil Coatings  
Fluropon PVDF, Matte Black

**UNDERLAYMENT:**

GAF StormGuard Film-Surfaced  
Leak Barrier; Titanium UDL  
synthetic underlayment



The homeowners are in the process of “modernizing” the look of the home’s exterior and interior. They chose Matte Black roofing using Sherwin-Williams Fluropon PVDF color. Absolute Construction installed 19,000 sq. ft. of 24-gauge Galvalume 1”-high standing seam panels. The panels are 19-1/2” wide, produced on a portable roll former.

A notable feature of the roof is it’s more than 50 planes, creating numerous valleys, requiring hundreds of precise cuts by the Absolute Construction team. This complex layout makes it a signature project for the company, which serves Louisiana, Kansas, Missouri, Oklahoma, and Texas. ■



*Roof before replacement*



*Roof after replacement*

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

# EVENTS CALENDAR

## JUNE

### June 5-7

Florida Roofing & Sheet Metal Expo, Gaylord Palms Convention Center, Kissimmee, Florida.  
www.floridarooft.com

### June 5-8

AIA Conference on Architecture 2024, Walter E. Washington Convention Center, Washington, D.C.  
conferenceonarchitecture.com

### June 11-12

Metal Construction Association (MCA) Summer Meeting, Hilton Rosemont/Chicago.  
metalconstruction.org

### June 19-20

Pacific Coast Builders Conference

(PCBC), Anaheim Convention Center, Anaheim, California.  
pcbc.com

### June 19-20

Post-Frame Builder Show, Branson Convention Center, Branson, Missouri.  
framebuildingnews.com/postframe-builder-show-registration/

## SEPTEMBER

### Sept 18-19

Construction Rollforming Show, DeVos Place, Grand Rapids, Michigan.  
constructionrollformingshow.com

### Sept 29-Oct 1

Western Roofing Expo Convention & Trade Show (WRE), Paris Las Vegas Hotel & Casino, Las Vegas, Nevada.  
www.westernroofingexpo.com

## OCTOBER

### Oct 21-23

Midwest Roofing Contractors Association Conference & Expo, Saint Paul River Centre, St. Paul, Minnesota.  
www.mrca.org

### Oct 30-Nov 1

METALCON, Atlanta Convention Center, Atlanta, Georgia.  
www.metalcon.com

## MR

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### Cornerstone Launches Fortify Building Solutions, Unites Three Metal Product Brands

Cornerstone Building Brands, the largest manufacturer of exterior building products in North America by sales, has unveiled Fortify Building Solutions™.

The new brand is an integration of three of the company's heavyweight brands: Heritage Building Systems®, Metal Depots™ and Reed's Metals®.

This move by Cornerstone Building Brands is a strategic leap forward with a renewed focus on local customers that aims to bring improved access, superior service and personalized support.

The Fortify Building Solutions brand will serve customers with one of the largest selections of metal building products and accessories in the industry. The expansive assortment includes metal roofing systems, metal wall panels, components, pole barns, Hypersteel™ cold-formed buildings and pre-engineered metal buildings for an enormous array of applications. Customers also have the added benefit of an expanded network and vast, proven expertise from a single partner, contributing to less headaches and fewer delays.

Built on the legacies of community-oriented brands, the Fortify Building Solutions teams are committed to maintaining strong partnerships and engagement with the customers and communities they serve. Part of this commitment will enhance the overall brand retail experience that will create a seamless and user-friendly environment, both in person and online.

From intuitive online sales plat-

forms to new local branches, the Fortify Building Solutions brand is committed to providing customers with access to a diverse range of building solutions and delivering a premier experience.

With the integration underway, customers can expect updates across various touch points throughout 2024, including the opening of four new physical locations—two in Montana, one in Alabama and a fourth location to be determined. From websites, e-commerce and social media profiles to print materials and brick-and-mortar locations, the new brand is expected to be fully implemented within two years.

### METALCON Introduces Its 2024 Advisory Council

METALCON, the metal construction industry's only global event dedicated to the application of metal in construction and design, introduces its 2024 advisory council, representing all facets of the industry and devoted to bringing new educational programming, hands-on skills training, clinics and demos and networking opportunities to Atlanta in October.

#### New council members for 2024:

Liam Beal, Structural Design Engineer, Package Steel Systems, Inc.

Scott Yarbrough, Owner & General Contractor, Ozark Metal Buildings

Tom Seitz, Executive Director, Metal Composite Materials Alliance, Metal Construction Association.

#### Returning council members:

Alan Scott, Director of Sustainability, Intertek Group plc

Chandler Barden, President, CIDAN Machinery Inc.

Heidi Ellsworth, Partner, RoofersCoffeeShop, President,

Metal & Owner HJE Consulting  
Judith Kleine, Architect, Judith Kleine Architect, LLC

Paul Deffenbaugh, Chief Content Officer, Deep Brook Media

Rich Pontius, VP of Design, Marker, Inc.

Steven Gaynor, Principal Consultant, Pivoth Corp.

Todd Miller, President, Isaiah Industries, Inc.

Tony Bouquot, General Manager, Metal Building Manufacturers Association & VP at Thomas Associates, Inc.

"These industry leaders bring their knowledge and expertise to create new and diverse programming," says Judy Geller, METALCON's Vice President of Tradeshows. "We appreciate their time and commitment to ensuring METALCON delivers the comprehensive and relevant education that our attendees have come to rely on each year."

METALCON 2024 ([www.metalcon.com](http://www.metalcon.com)) takes place from Wednesday, Oct. 30-Friday, Nov. 1 at the Georgia World Congress Center in Atlanta.

### EPDM Coatings Adds Ally Tria As Affiliate Manager

EPDM Coatings announces an addition to its management staff: Ally Tria has accepted the position of Affiliate Manager for EPDM Coatings. Ms. Tria brings us over 15 years of experience in both managing online platforms, call center management as well as staff development programs. Ms. Tria holds a Bachelor of Business and has certifications in call center management and staff development. Ms. Tria will play a large role in overseeing our affiliate marketing program for both EPDM coatings RvRoofMagic and PondPro2000. Additionally, she will be charged with developing our Southeast Asian distribution network.

EPDM coatings is a specialty coatings manufacturer of Liquid BUTYL Rubber, RvRoofMagic and Pondpro 2000. Liquid Butyl Rubber is a unique solvent-based coating that needs only one coat and never a primer. Their special cross-linking process has made their product line a success for over 30 years. EPDM Coatings has been reviewed and written up in many industry publications over the years and has won numerous consecutive awards. Most recently Metal Roofing Magazine's Metal of Honor Winner. **MR**



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**Submission is not a guarantee of publication. We reserve the right to edit all submissions for content, length, and clarity.**



**Metal Roofing Magazine; Frame Building News; Roofing Elements Magazine; Rollforming Magazine:**  
**Karen Knapstein – karen@shieldwallmedia.com • 715-513-6767**

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**NEW PRODUCTS**



**S-51 Unwells New Clamp for Riverlock Profiles**  
 S-51, the inventor of engineered, manufactured, metal roof attachments, introduced its new S-5-RC™ clamp for attaching a wide range of roofing accessories to the Riverlock™ metal roof profile. The two-piece design of the S-5-RC interfaces with the rib geometry and creates a mechanical interlock strong enough to mount most rooftop applications with certified holding strength, protecting the roof from corrosion and preserving the metal panels' thermal cycling characteristics. Applicable for small- and large-scale industrial, commercial and institutional projects, the clamp can be installed anywhere along the seam for placement flexibility. Installers can utilize the S-5-RC with rails or pair the clamp with the S-51 PVKIT™ solar solution for streamlined rail-less and penetration-free solar mounting to save time and money. Made of high-tensile structural aluminum to match Riverlock's long-lasting performance, the S-5-RC requires no maintenance or reinspection and is warranted for the life of the roof.

**New Stanley's Control-Lock™ Tape Measures**  
 Stanley has released the new Control-Lock tape measures that feature an integrated finger brake, providing users with maximum control and protection when extending and retracting the blade. Coming in lengths of 12, 16, 25, 26, and 30 feet, they're made to reach out to 12 feet. Features listed:  
 • An integrated finger brake that provides improved control of the blade when measuring and retracting



**Malco Products Expands Line of C-RHEX Drivers**  
 Malco Products, SBC, one of the nation's leading solution developers and manufacturers of a variety of high-quality tools for the building trades, today launched an extension of its line of award-winning, Clearable, Reversible Magnetic Hex Drivers: the Building Construction Series, which features deeper sockets for installing fasteners with higher head heights such as concrete anchors, pole barn screws and other common fasteners for roofing, siding and gutter applications. The C-RHEX Building Construction Series models are available in six lengths from 2" through 12". Reversible 1/4" and 5/16" hex sockets allow for quick changes between sizes, and the Building Construction Series drivers are designed to work effectively with painted fasteners, as well as specialized pulls in the internal sockets prevents fastener sticking. End-users can save valuable time and effort by having access to two reversible hex sizes in one driver with color-coded grooves for easy identification. These drivers are built with S2 hardened steel



**Bosch: New Cordless Rotary Hammer Has Corded Power**  
 Bosch has released a new cordless rotary hammer that it says has the power of a corded tool. The concrete rotary hammer is called the Proxactar 18V SDS-max 1.5/8" Rotary Hammer (GBH18V-40C) and outperforms its corded counterpart, the Bosch 11264EVs, according to Bosch. Features listed:  
 Cordless Design: Delivers corded hammer performance, with 6.7 Ft.-lbs. of impact energy (EPTA) powered by a single 18V CORE18V 8 Ah or 12Ah battery, making concrete work easier. KickBack Control: Reduces the risk of sudden tool reactions in binding conditions. Soft Start and Controlled RPM: Adjusts the tool rpm and bpm for more controlled drilling and chiseling applications when working with softer materials like brick and tile. Anti-Vibration System: Helps to reduce tool vibration, due to the longer air cushion built into the hammer tube and dampers added in the handle. Lock-On/Off Button: Keeps the tool running when locked on (hammer mode only) and helps prevent accidental activation of the tool trigger when locked off.



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

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MR MAY 2024

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



## S-5! Solar Attachment Solution

S-5!, a leading authority on attachments for metal roofs, introduces its newest addition to its balance of systems lineup, the MLPE (Module Level Power Electronics) Mount.

The S-5! MLPE Mount™ provides a universal, cost-effective method for attaching module level power electronics (MLPE) directly to solar PV module frames. Designed for use with most solar modules, the MLPE Mount secures optimizers and microinverters along the underside of the module frame at desired locations so wire management is simplified. This provides the versatility needed to better handle module-to-module wire management and electrically bonds the equipment together to easily comply with grounding requirements.

The MLPE Mount is ideal for use with all S-5!'s solar attachments and can be used in rail-based installations or paired with the PVKIT® rail-less solar mounting solution for direct attachment to metal roofs. A unique tab feature makes installation quick and easy, and less likely to rotate during installation, eliminating hassle—one hand can easily position the MLPE device on the frame, while the other hand tightens the bolt to secure it.

The MLPE Mount is designed for solar developers, EPCs, installers and end-users who desire an economical, flexible and easy-to-install MLPE mounting device for PV module frames, without having to rely on attaching to rails.

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



## Malco Tools C-RHEX® Driver Addition

Malco Tools has announced additions to its C-RHEX® line including C-RHEX drivers and C-RHEX SAWTOOTH in 3/8" and 7/16" hex sizes. The new models offer more options to

quickly and easily install and remove fasteners commonly used on commercial sites.

With the addition of 3/8" and 7/16" hex sizes to Malco's C-RHEX lines, trade professionals now have access to more driver options that feature a heavy-duty, deep-set magnet that does not contact the screw, so the fasteners spin true, and the magnet retains its strength for years to come.

Built with S2 hardened steel for long life and superior durability, the removable and reversible hex driver allows users to easily clean the socket and magnet. Trade pros can get back to work quickly by removing the driver from the impact to push the drive side of the shaft through the socket to quickly clear sealant buildup.

With the new SAWTOOTH 3/8" and 7/16" hex drivers, pros can rapidly remove sealant and adhesive-coated fasteners when doing retrofits or removals of existing HVAC equipment and ducting with the sawtooth action.

The C-RHEX drivers portfolio allows trade professionals to quickly change between popular hex sizes and eliminate troublesome buildup of sheet metal shavings with the swipe of a glove or towel. C-RHEX drivers are quick to set up and change between sizes while the driver shank remains installed in the drill chuck. The new hex reversible sockets in the 3/8" and 7/16" sizes ensure trade pros have the right size without the need for additional tools.

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



## IMETCO Architectural Pan and Batten Roofing

IMETCO (Innovative Metals Company, Inc.) recently introduced BattenTite™ architectural metal roof panels, designed for slopes of 3" or more and for vertical wall applications. The system's batten-style ribs are 1 7/8" high and are available in custom widths up to 44½".

Batten-Tite panels are available in smooth or embossed surfaces and in an extensive range of metals, including aluminum, galvanized, stainless steel, copper, and zinc and with mill or fluoropolymer (Kynar) coatings. Custom materials, gauges, and coatings are also available.

According to Jonnie Hasan, P.E., IMETCO's director of engineering and sales support, "With options such as conical tapers, convex, and concave curves and domes available, and panels as long as 45', this versatile roofing panel is ideal for complex roofing projects with the highest aesthetic requirements."

The Batten-Tite roofing system has been UL tested and F.B.C. approved, and meets ASTM E330 and ASTM E331 requirements. It can be applied over plywood or over gyp board with rigid insulation over decking. Installation requires the appropriate IMETCO roofing underlayment as per project specific conditions.

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



## SnoBlox-Snojax Satellite Mounting Bracket

SnoBlox-Snojax has announced it now offers SataMount satellite mounting brackets. Made in the United States, the SataMount is engineered with a proprietary Defender finish and two 27" sections of heavy duty Unistrut to provide over 100 years of service life, exceeding the life expectancy of a metal roof.

The SataMount RCT satellite mount is designed to universally fit about 95% of today's standing seam roofs. With its adjustable design and precision engineering, it provides a seamless and secure fit on a wide range of standing seam roofs, eliminating the need for multiple product variations.

The SataBracket MRM Metal Roof Mount is used for mounting satellite dishes to a screw-down metal roof. This bracket has eight mounting holes to provide a positive attachment to most substrates at least 1/2" thick.

Most satellite dish brackets work with either style of the SataMount mounting solution, including the Starlink V1 and V2 brackets and the Starlink Pivot Mount.

<https://satamount.com/>

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