



Metal Construction News

May 2026
VOLUME 48 | NO. 5



2026 TOP METAL BUILDERS

- | Metal Roofing Takes Over Residential
- | The Evolution of Metal Building Systems
- | Vacuum Lifters: The Future of IMP Installation



**Growth takes time.
Preservation takes discipline.**

Through intentional estate planning and disciplined investment management, we help you protect what you've built so it lasts well beyond you.



Whittier Trust

Investment Management & Consulting | Trust Services
Family Office | Philanthropy & Family Continuity | Real Estate

CONTACT

Tim McCarthy (626) 463-2545 whittiertrust.com

Whittier Trust generally requires a minimum of \$15 million in marketable securities for new client relationships. Investment and Wealth Management Services are provided by Whittier Trust Company and The Whittier Trust Company of Nevada, Inc. (referred to herein individually and collectively as "Whittier Trust"), state-chartered trust companies wholly owned by Whittier Holdings, Inc. ("WHI"), a closely held holding company. This document is provided for informational purposes only and is not intended, and should not be construed, as investment, tax or legal advice. Past performance is no guarantee of future results and no investment or financial planning strategy can guarantee profit or protection against losses. All names, characters, and incidents, except for certain incidental references, are fictitious. Any resemblance to real persons, living or dead, is entirely coincidental.



CHOOSE A SUPPLIER

**THAT CAN
DO IT ALL.**

- Residential
- Commercial
- Agricultural
- Industrial

METAL YOU CAN TRUST.

- Roofing
- Siding
- Buildings
- Doors



Scan the QR code or
visit CentralStatesCo.com



MGN Metal Construction News

HOW TO REACH US:

266 Elmwood Ave., #289
Buffalo, NY 14222
Tel: (847) 674-2200 Fax: (847) 674-3676
www.kenilworth.com
www.metalconstructionnews.com

PRODUCTION OFFICES:

30 Leek Crescent, Suite 201
Richmond Hill, ON Canada L4B 4N4

EDITORIAL & PRODUCTION

Executive Publisher, Melanie Kowal, mkowal@kenilworth.com
Editor-in-Chief, Anthony Capkun, acapkun@kenilworth.com
Editor, Dave Flaherty, dflaherty@kenilworth.com
Administrative Assistant, Bess Cheung, bcheung@kenilworth.com
Graphic Designer, Lisa Greco, lgreco@kenilworth.com

BUSINESS & SALES

Vice President of Sales, Joseph Galea, jgalea@kenilworth.com
National Sales Manager, Metal Group, Bob Higgins, bhiggins@kenilworth.com
Circulation Manager, Mei Hong, mhong@kenilworth.com

Founding Publisher John S. Lawrence



KENILWORTH MEDIA INC.

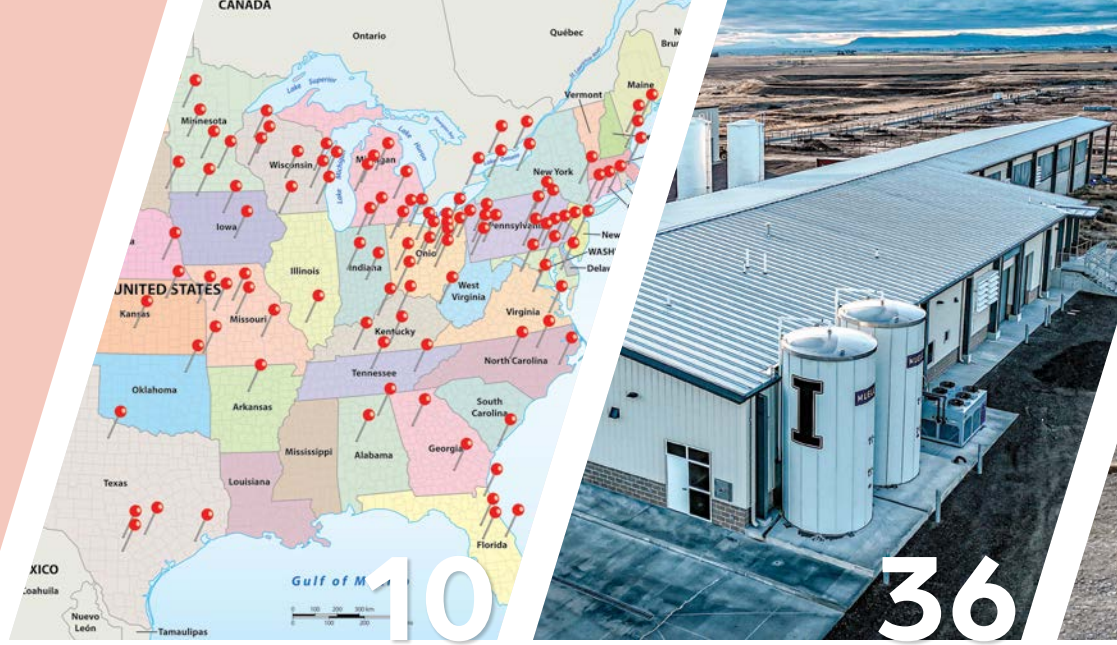
Group Publisher/CEO, Erik Tolles
Chief Financial Officer, Philip Hartung
Senior Director of Operations, Krista Taylor
Editorial Director, Blair Adams
Director of Business Development, John MacPherson
Director of Digital Operations, Matthew Buckstein

SUBSCRIPTIONS AND REPRINTS

For subscription inquiries or changes of address, go to www.metalconstructionnews.com or contact Mei Hong at mhong@kenilworth.com. Subscriptions are free for those in the metal construction industry in the United States. For those outside the industry, the subscription price is \$90 per year, in the United States; \$120, in Canada and Mexico; and \$195 per year, in all other countries.

METAL CONSTRUCTION NEWS (ISSN-8756-2014) is published monthly by Kenilworth Media Inc., 30 Leek Crescent, Suite 201, Richmond Hill, ON L4B 4N4. Distributed in the U.S. by Kenilworth Media Services Corp., 750 Commerce Dr. #1, Gulf Shores, AL 36542. Periodicals class postage paid at Gulf Shores, AL, and additional mailing offices. POSTMASTER: Address service requested. METAL CONSTRUCTION NEWS, P.O. Box 2267, Gulf Shores, AL 36547.

MEMBERSHIPS



Features

- 10 Top Metal Builders 2026**
The strength of the metal building industry continues as our Top Metal Builders' average tonnage and square footage increases.
By Dave Flaherty
- 36 This Is Not Your Grandpa's Metal Building**
The modern-day metal building not only offers a blend of performance and economy, but can also accommodate compelling geometry, a wide variety of complementary features, and a growing array of cladding options.
By Mike Pugach
- 40 Vacuum Lifters: The Future of IMP Installation**
Vacuum lifters engineered for IMP applications have transformed how contractors approach installation. Purpose-built equipment allows crews to lift, position, and secure panels with greater control, improved jobsite safety, and reduced risk of damage.
By Barry Wood
- 44 Why Pressure Spikes Are Destroying Your Material Handling Equipment**
Even well-designed systems can experience transient pressure events that significantly exceed normal pressure levels. These short-duration spikes are often invisible to operators but can accelerate component fatigue and damage sensors.
By Daniel Strati
- 46 The Expanding Role of Insulated Metal Panels**
While IMPs are installed in many types of commercial construction, their role becomes especially important in buildings tied to global supply chains and digital networks.
By Jessica Lowe Hall
- 48 The New Standard of the Building Envelope**
The building's roof is no longer viewed as a mere "weather cap" but as a critical, high-performance component of the building envelope.
By Jami Spice & David Martin



40



44



46

52 A New Roof for a Renewed Dream Home

Today's modern metal roofing is undergoing an aesthetic evolution, proving that homeowners can, in fact, have both the substance and style of metal.
Courtesy GAF

54 Fire-Rated, Field-Tested: The Case for Metal Roofing

Metal roofing systems are an efficient and effective strategy for creating a resilient structure, especially when the system has been tested and certified with a Class A fire rating.
By Mike Weis

Product Tech: Solar

60 Can Metal Construction Accelerate Solar Growth?

Departments

6 Editorial

8 Profit Building: Steps to Motivate Your Workforce *By George Hedley*

9 MBCEA Industry Perspective: Scaling New Heights in Colorado Springs *By David K. Leinbach*

58 Project Focus: Fire Station

64 Industry News

66 Snapshot



On the Cover

AdventHealth Sports Park at Bluhawk in Overland Park, Kans., was the winner of the Metal Building Contractors and Erectors Association (MBCEA) 2025 Building of the Year Award.

PHOTO COURTESY CHIEF BUILDINGS

Follow us on social media

 @MetalConstructionNews  @MetalConstruct
 @MetalConstructionNews



Melanie Kowal
EXECUTIVE PUBLISHER
mkowal@kenilworth.com

A Real In-Depth Look at the Industry

There's something very meaningful about putting together our Top Metal Builders issue each year.

It gives us a moment to pause and look—really look—at the people and companies doing the work that keeps this industry moving forward day in and day out. Not in theory, not in forecasts, but in real square footage erected, real tonnage moved, and real projects completed.

Our Top 100 Metal Builders feature is, at its core, a snapshot of effort. It reflects long days on job sites, early mornings in fabrication shops, and the kind of coordination it takes to bring complex builds together. The numbers themselves—square footage and tonnage—are impressive, but what they represent matters more. They tell a story of consistency, resilience, and pride in execution.


As you move through the listings and data in this issue, I hope you see more than rankings. I hope you see the scale of what this industry accomplishes collectively. From large contractors managing expansive builds to erectors delivering precision under tight timelines, each company plays a role in shaping the built environment in ways that often go unrecognized outside of our circle.

What stands out to me this year is the breadth of work represented. Metal buildings continue to anchor projects that demand both strength and flexibility. Material handling remains a critical piece behind the scenes, ensuring that everything arrives where it needs to be—safely and efficiently. On rooftops, metal continues to prove its value, supporting systems that are built to last. And across it all, there's a shared commitment to doing the job right.

Beyond the Top Metal Builders feature, this issue highlights projects and ideas that reinforce that same sense of purpose. From spaces designed to support healing and community to practical approaches that improve safety and performance on the job, the common thread is thoughtful execution. It's about making things work better—for the people building, and for the people who will ultimately use these structures.

This issue doesn't try to define where the industry is going. Instead, it reflects where it stands: solid, capable, and built on the contributions of many.

To everyone featured in this year's Top Metal Builders list: your work speaks for itself. And to those reading who are out there doing the same work every day, whether recognized here or not, you're part of this story too.

That's what makes this issue one I always look forward to. 

Melanie Kowal

Stop fire at the roofline— before it spreads.



Fire-resistant underlayment you can spec with confidence.

Engineered for demanding environments, Ultra HT® provides full-roof protection against extreme heat, wind-driven rain, ice, snow—and fire. Its certified fire resistance creates a critical barrier that helps prevent fire spread and penetration beneath the roofing system.

Ultra HT®: Tested. Certified. Fire-Resistant protection for the whole roof.

- **UL® CLASSIFIED CLASS A**
- **ASTM E108/ICC-ES AC188 CLASS A**

*When failure isn't an option, choose the underlayment that goes the extra mile.
Contractors trust it. Specs demand it.*



mfm® BUILDING PRODUCTS CORP.

Visit mfmbp.com for a free sample or call 800.882.7663 today.





By George Hedley

*George Hedley CPBC is a certified professional construction business BIZCOACH, consultant, and popular speaker. He helps contractors build better businesses; grow, profit, and develop leaders; improve estimating and field production; and get their companies to work. He is the best-selling author of *Get Your Construction Business To Always Make A Profit*, available on Amazon. To schedule a free introductory coaching session, receive his monthly *Hardhat Hedlines BIZ-TIPS* e-newsletter, download his templates and tools, or watch his webinars or online video courses at *Hardhat BIZSCHOOL* online university for contractors, visit HardhatBizcoach.com or e-mail GH@HardhatBizcoach.com.*

Steps to Motivate Your Workforce

Leadership is about influencing others to want to do what you want them to do. The key words are “to want to do.” They’ve got to want to do it. You tell, and they decide if they’ll do it. When you tell your kids to clean up their room, they decide if they’ll do it based on their needs, consequences, accountabilities, and responsibilities. Ask yourself: “What makes people want to follow me?” You know what doesn’t work with children and employees: confusion, lack of trust, and no integrity, accountability, or consequences. A lot of managers say, “My people won’t do what I want them to do. I should get rid of them, but I can’t afford to have them leave, so I don’t fire them.” What kind of accountability is this? If they don’t have to do what you want them to do, why should they do more than the minimum to keep their job? You’ve got to make them want to do it.

Provide clear expectations

People need to know exactly what you want them to achieve—the specific results you expect. Just as professional baseball managers use statistics and scoreboards to hold their players accountable and provide feedback, your employees need to know the score and what is expected of them. The norm is to tell people to work very hard and try their best. But this doesn’t make it clear exactly what’s expected. People must be told, explained, and shown exactly what you want to happen, the results you expect, and when they must be completed.

Provide regular recognition and praise

Like winning coaches, effective leaders provide ongoing motivation, recognition, and praise to people who do the work and achieve the desired results. Weak leaders who don’t take time to thank people for a job well done get weak results. Think of the great coaches—most are known as excellent motivators who use different methods depending on circumstances. Motivation can be provided in different ways, such as challenges, competitions, listening, training, encouragement, incentives, rewards, recognition, or praise. The top two motivating factors, providing the greatest incentive for people to perform, are regular recognition and praise.


Provide a clear understanding of the big picture

Employees need a clear understanding of the big picture (company, employees, customers, projects, etc.), what’s happening, what the future holds, where they fit in, how they add value to the process, and the changes or adjustments required for success.

Care about people

Leaders let their people know they care about them as individuals. People need to know you appreciate them as employees; you care about their personal goals, their future, their kids, and their families; and you value their contributions to the company’s success. People must know they’re important, and their needs and wants will be considered as they contribute to the entire organization’s success.

People need to know exactly what you want them to achieve.

By following these simple guidelines, you’ll get your people to do what you want. Without employee problems, your bottom line will improve, and your company’s future will be bright. The key to it is to do it! All it takes is a little time to improve the results your people produce. 

Scaling New Heights in Colorado Springs

The air is thinner, the views are wider, and the future of the metal building industry has never looked clearer. This April, the Metal Building Contractors and Erectors Association (MBCEA) headed to the rugged beauty of Colorado Springs for the 57th Annual Conference. Hosted at the sleek, new Hotel Polaris from April 22-24, 2026, it was not just another industry meetup, but a high-altitude management retreat designed to recharge our members and improve our craft.

An engaged direction

The 2026 conference signaled a pivot for the MBCEA. While our roots remain firmly planted in the field, this year's "management-track" focus was about the tools that keep businesses soaring. From the S-5! global headquarters tour kicking things off, the energy was centered on one goal: professionalizing metal building contractors and erectors for a digital world.

Powering the future with tech and intelligence

The industry is evolving, and the Colorado Springs gathering is the catalyst for that change. To energize our members for the decade ahead, we explored the technologies that were once considered "future-speak."

- **AI in Action:** We're moving past the hype. This session demonstrated how artificial intelligence can be leveraged right now for precision quoting and streamlining project management workflows and logistics.
- **The Basu Effect:** Renowned economist Dr. Anirban Basu provided the "View from the Top"—a critical economic forecast that helps our members navigate market shifts with confidence.
- **Project Management Evolution:** The exhibit hall and breakout sessions emphasized the latest software integrations, ensuring MBCEA members remain one of the most efficient and tech-savvy players in the construction arena.


Excellence on display

Of course, it would not be an MBCEA event without celebrating the excellence that defines us. The Building of the Year Award showcased the breathtaking versatility of metal, while the Metal Building Manufacturers Association (MBMA) Safety Awards and Metal Construction News (MCN) Hall of Fame inductions honored those who uphold the gold standard of our industry.

Refresh, recharge, reconnect

Beyond the spreadsheets and safety manuals, Colorado Springs offered the perfect environment to build lasting industry bonds. Between jeep tours through the Rockies and flight simulator sessions, members found time to talk shop and share solutions in a way that only happens at an MBCEA event.

As we descend from the mountains after the convention, we didn't just leave with souvenirs; we left with a blueprint for a smarter, faster, and more profitable future. That momentum will carry us straight into the heart of the country next year.

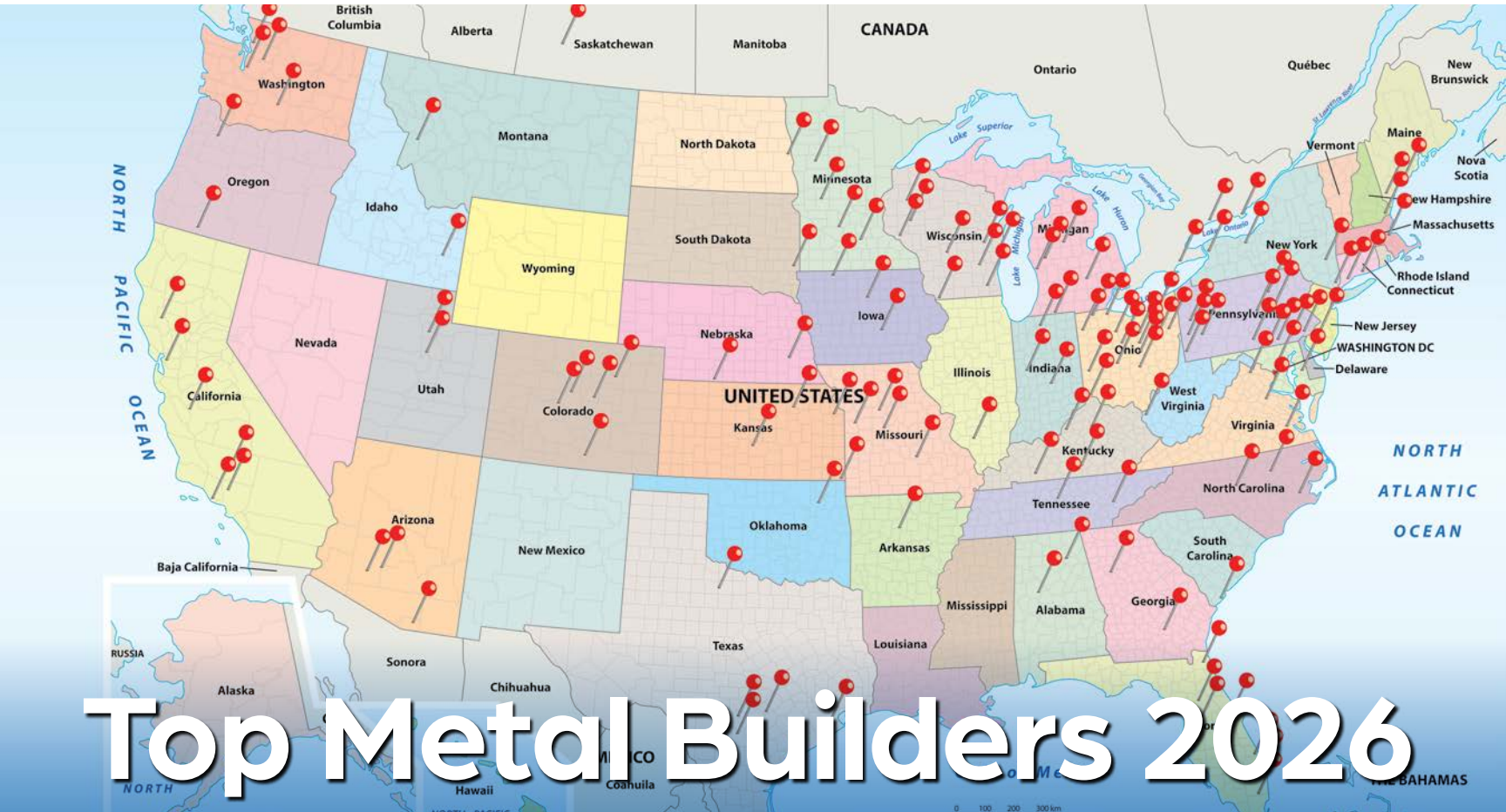
Join us May 5-7, 2027, in Kansas City, Mo., as we strengthen the MBCEA Annual Conference's position as the metal building systems industry's flagship event—a place where leaders gather, innovations launch, and the future of our craft takes shape. Kansas City will be the next peak worth climbing. 



By David K. Leinbach

David K. Leinbach is a recognized leader in the construction and metal building industry with over 35 years of experience driving growth, innovation, and operational excellence. As president of Kaiser-Martin Group, Inc., David oversees a team delivering complex construction projects. His expertise spans design-build solutions, property development, and strategic management. A respected voice in the industry, David serves as national president of the Metal Building Contractors and Erectors Association (MBCEA) and has held leadership roles with Associated Builders and Contractors (ABC), the Chamber of Commerce, and other organizations. He has been instrumental in advancing best practices, safety standards, and legislative advocacy for the construction sector.

To energize our members for the decade ahead, we explored the technologies that were once considered "future-speak."



A Year of Growth

By Dave Flaherty

This year, our list of top metal builders shows a steady industry, with the largest contractors and erectors reporting just a slight drop in the average tonnage and square footage of the metal buildings they constructed between 2024 and 2025.

Again, this year, we separated the list of the top 20 erectors from the list of the top

100 contractors. We do this so we do not count work on the same building twice—once for the contractor furnishing the metal building system and again for the erector putting up the steel.

This does cause complications, however, because some companies furnish and erect but are contracted only to erect a building, making them both contractors and erectors. We identify those companies as

contractors rather than separating those numbers into separate entities.

The two lists make it difficult to compare trends, such as changes in building size or market share over the years. However, to alleviate this, we identified the 100 largest companies regardless of whether they are contractors or erectors and showed how their averages compare to previous years. [VIEW](#)

Overview

The average tonnage reported by metal building contractors and erectors saw significant increases from 2023 to 2024, particularly for the former, with a 50 percent jump last year.

Contractors experienced a 7.3 percent increase in square footage year-over-year, whereas erectors reported a similar jump of 24 percent. The tonnage for the 100 largest contractors also jumped by an impressive 38 percent.

Among the 100 most prominent builders, whether contractors or erectors, the average tonnage jumped by 42 percent in 2024, while square footage spiked by 37 percent. [VIEW](#)

Contractors List

Average Tonnage 2025: 2,151 tons
Average Tonnage 2024: 2,394 tons
Percent Decrease: 10%
Average Square Footage 2025: 506,838 sf
Average Square Footage 2024: 493,040 sf
Percent Increase: 7.3%

Erectors List

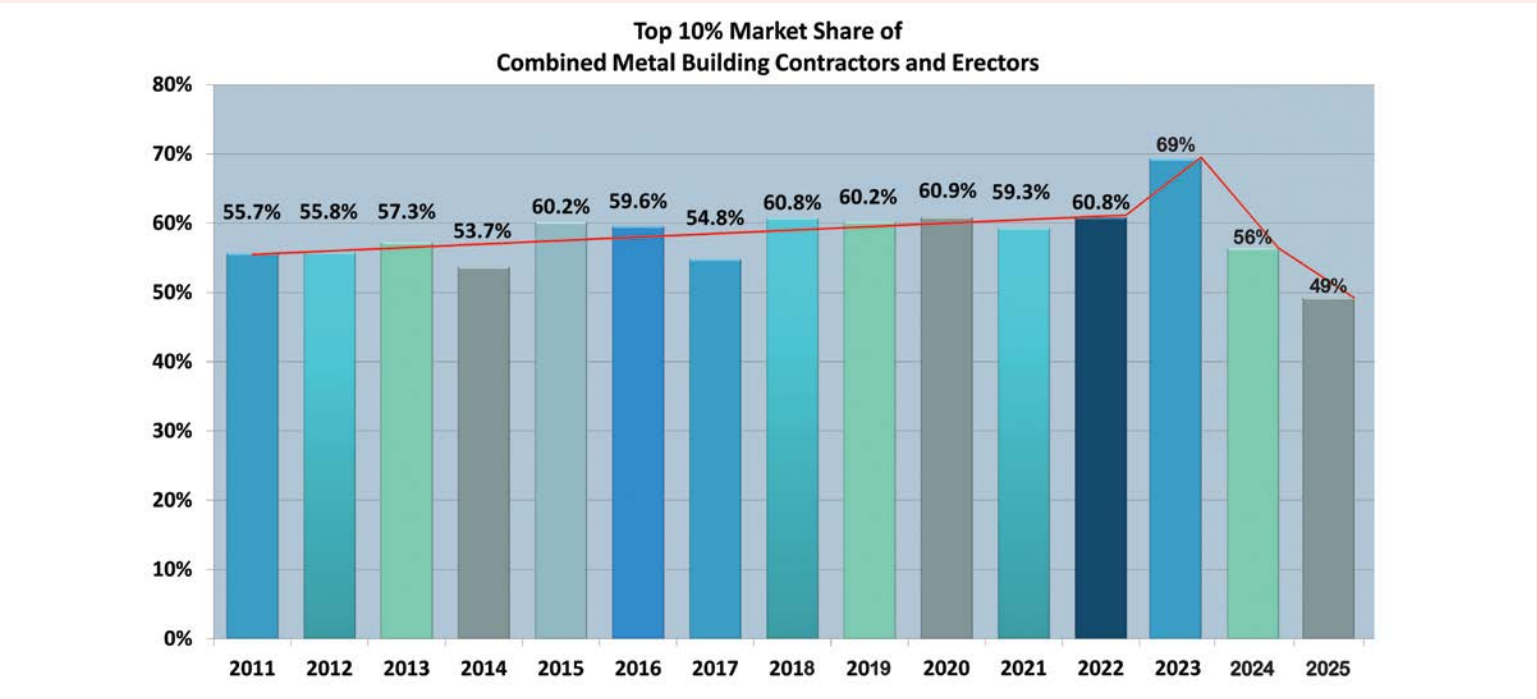
Average Tonnage 2025: 5,188 tons
Average Tonnage 2024: 6,160 tons
Percent Decrease: 16%
Average Square Footage 2025: 1,127,064 sf
Average Square Footage 2024: 902,588 sf
Percent Increase: 25%

Top 100 of Contractors and Erectors Combined

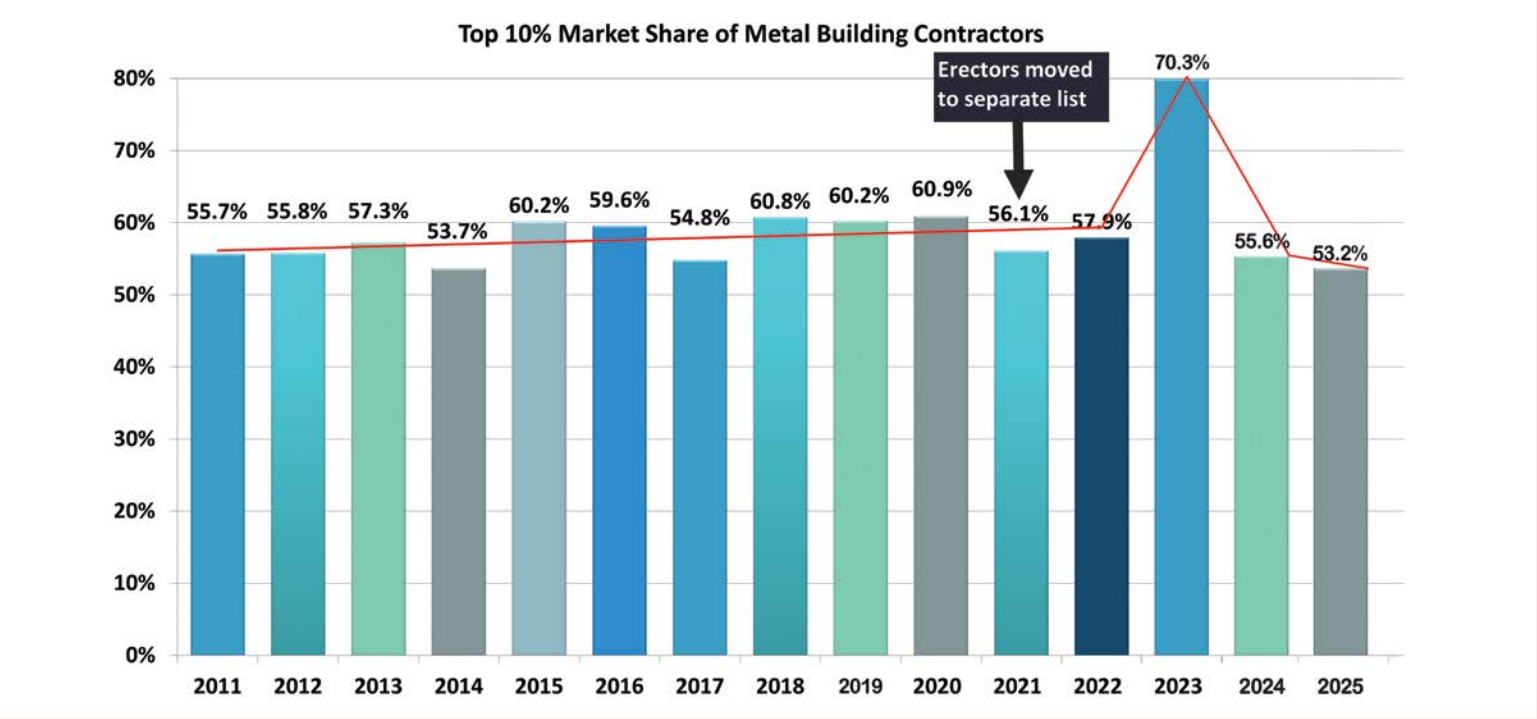
Average Tonnage 2025: 3,108 tons
Average Tonnage 2024: 3,501 tons
Percent Decrease: 11%
Average Square Footage 2025: 717,290 sf
Average Square Footage 2024: 729,403 sf
Percent Decrease: 2%

Market share

One key insight from monitoring the largest metal building contractors and erectors is whether the industry is experiencing consolidation. We merged the lists to identify the 100 largest entities, regardless of business type. We then analyzed the market share of the top 10 contractors and erectors compared to the next 80. This year, their combined market share fell to 49 percent from 56 percent last year. This marks the lowest share over the past 15 years, with the previous low being 53.7 percent in 2014.



Due to a change in our methodology four years ago, when we started producing separate lists for contractors and erectors, we isolated contractors from previous years. After a significant increase last year to a market share of 10 percent for the top 10 contractors, likely influenced by the exclusion of erectors from the combined list, this year’s survey revealed a slight decrease to 53.2 percent, marking a 2.4 percent year-over-year drop. Since we began tracking in 2011, this represents the lowest market share held by the 10 largest contractors since 2021.



FLEXIBLE BY DESIGN

As the construction industry has grown more sophisticated, so has the versatility of custom metal building systems. By adopting advanced tools, practices and products, Nucor Buildings Group

actively evolves to meet industry demands. Metal building systems are flexible by design, tailored to fit the needs of varying markets, building codes, and design aesthetics, with the ability to incorporate architectural features such as stone and glass.



NUCOR® Buildings Group



The brands of Nucor Buildings Group are proud members of the Metal Building Manufacturers Association.





POWERFUL RESULTS START WITH **OUR BUILDERS.**

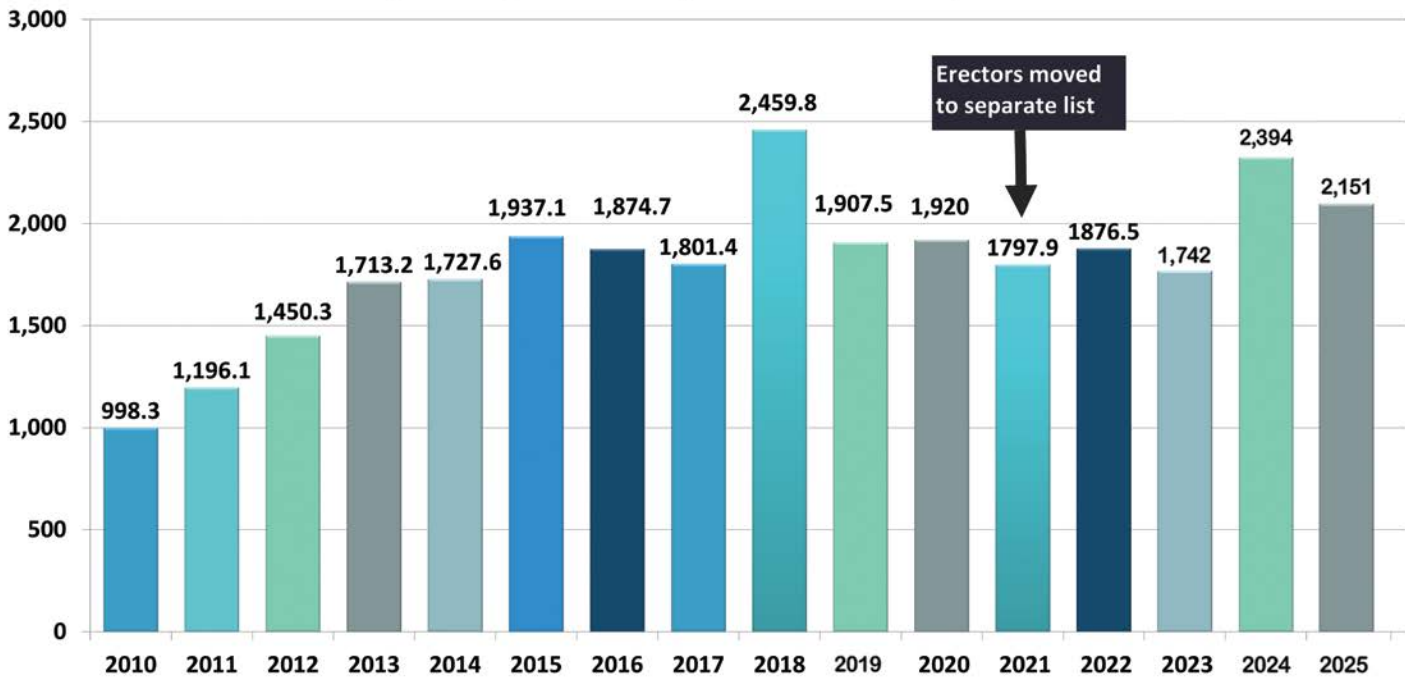
We believe strongly that our powerful partnerships create powerful results, and we know those results wouldn't be possible without the knowledge and experience of our Authorized Builders. Thanks to each of our Builders for making the brands of Nucor Buildings Group your first choice.

To learn more about building with us, visit us online at nucorbuildingsgroup.com

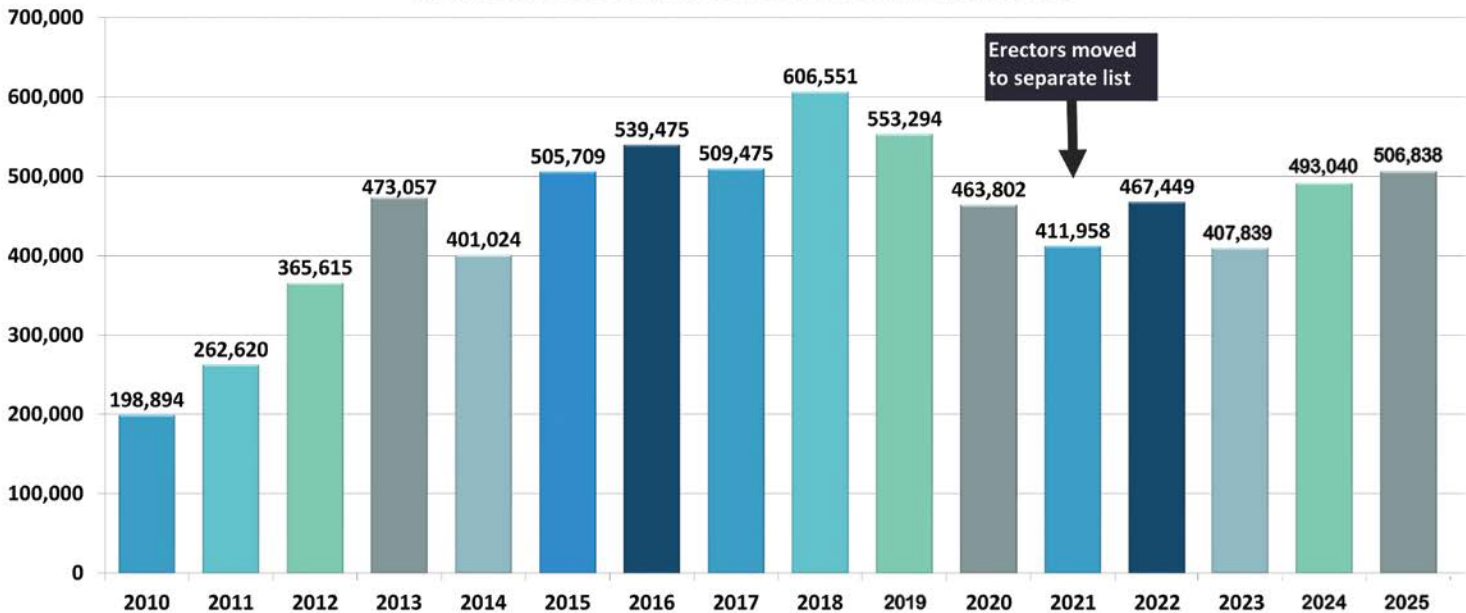
*Congratulations To All of Our
Builders Who Made This Year's
Top Metal Builders List!*

POWERFUL PARTNERSHIPS. **POWERFUL RESULTS.**

Average Tonnage Purchased by Year of Metal Building Contractors

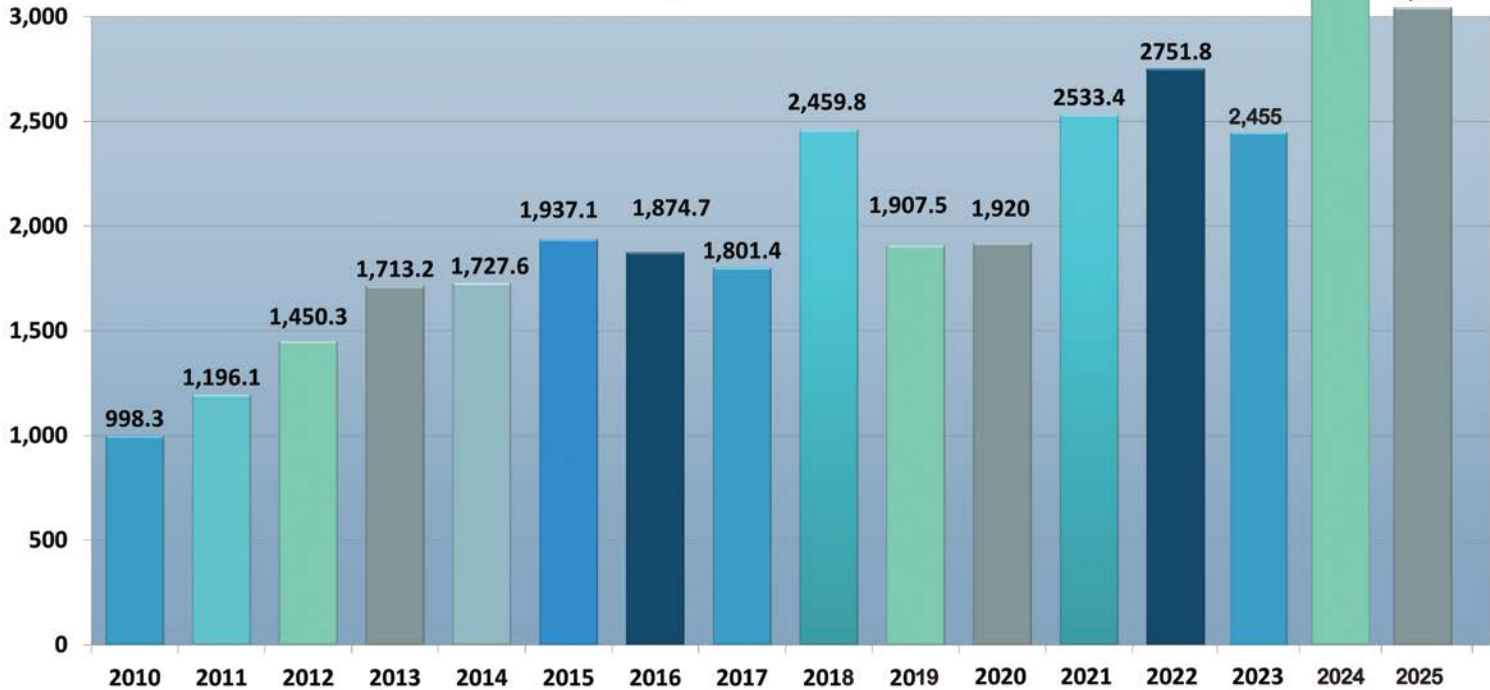


Average Square Footage by Year of Metal Building Contractors

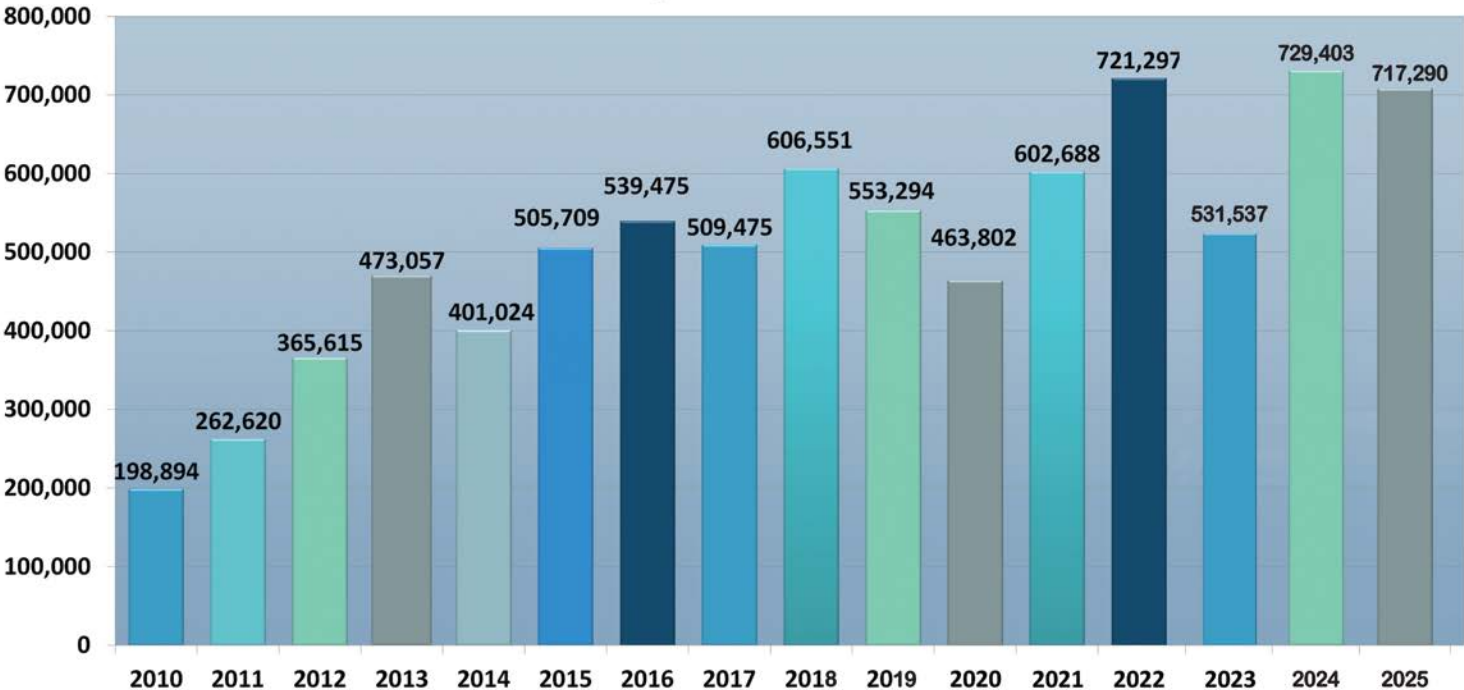


The data presented in the charts show that during the COVID-19 pandemic, there was a notable decrease in tonnage purchased and the square footage installed by metal building contractors. Following a significant high in 2018—the largest in over a decade—the industry saw a downturn, dropping to 1,742 in 2023, the lowest in almost a decade. After hitting a high of 2,394 last year, the highest since 2018, before falling to 2,151 last year. The average square footage handled by contractors grew again to 506,838 in 2024 from 493,040 the previous year, representing the highest since 2020 but still below the peak years of 2015 to 2019.

Average Tonnage Purchased by Year of 100 Largest Metal Building Contractors and Erectors



Average Square Footage Purchased by Year of 100 Largest Metal Building Contractors and Erectors



The combined square footage data for the 100 largest contractors and erectors decreased from 2024 to 2025, falling by only 12,000 sf per company, and remained among the highest levels in the past 15 years.



OUTSTANDING CRAFTSMANSHIP DESERVES RECOGNITION.



Celebrating the 2025 Building of the Year



The only thing more important than a strong relationship with our builders is how well they satisfy the needs of the communities they serve.

That's why we're celebrating GBS Enterprises LLC. Their completion of ***The Refinery Fieldhouse & Event Center*** in Garden City, Kan., is our 2025 Building of the Year. Inside this 200,000 sq. ft. facility, you'll find courts for multiple sports, a turf field, a dedicated walking track, diverse dining options, and versatile spaces for hosting conferences, events, athletic training sessions, and sports tournaments.

For its community fit, maximum versatility, and build quality, we're proud to say ***The Refinery Fieldhouse & Event Center*** made all the right moves.

Behlen Building Systems is a family-owned business, manufacturing and delivering metal buildings through a nationwide network of builders.



800.228.0340
behlenbuildingsystems.com



Top Metal Building Contractors by Tonnage

Rank	Company Name, Location	Year Founded	2025 Tonnage	2024 Tonnage	% Change Tonnage	2025 Square Footage	Affiliated Manufacturer	Average Project Size
1	Span Construction & Engineering, Inc./Madera, Calif.	1980	39745	33605	18%	6670507	Butler Manufacturing, Nucor Building Systems	1500000
2	Sure Steel, Inc./South Weber, Utah	1993	21307	27016	-21%	3445763	American Buildings, Ceco Building Systems, Cornerstone Building Brands, GEM Building Systems, Varco Pruden Buildings, Allied Steel Buildings	143500
3	Image Building Systems/Tempe, Ariz.	2006	9870	8717	13%	1794770	CBC Steel Buildings, Varco Pruden Buildings	70000
4	Keller, Inc./Kaukauna, Wisc.	1960	8687	8137	7%	1483908	American Buildings	
5	Lemartec Corporation	1977	8550	5925	44%	1200000		250000
6	Arcorp Structures, LLC./Chicago, Ill.	2013	7350	6500	12%			
7	Design Systems Builders LLC/Nashville, Tenn.	1976	3602				Butler Manufacturing	
8	Ahrens Companies/Lake Park, Fla.	1902	3375	2032	66%	610575	Behlen Manufacturing Co.	
9	WENCO Construction Company/Huber Heights, Ohio	1955	3336	1619	106%	240000	Butler Manufacturing	
10	BARNES Buildings & Management Group, Inc./Weymouth, Mass.	1996	3269	801	308%	565175	Behlen Manufacturing Co., Cornerstone Building Brands, Metallic Building Co., Nucor Building Systems, Allied Steel, Iron City Structures	
11	Revere Steel LLC/Butler, Pa.	2019	3152	2305	37%	770230	Corle Building Systems, Nucor Building Systems	
12	Buildings Innovations Group/East Rochester, N.Y.	2000	3075	3050	1%	475000	Ceco Building Systems	45000
13	LeFrois Builder Inc./Henrietta, N.Y.	1947	2962	2900	2%	462754	Butler Manufacturing	70000
14	Coastal Steel Structures/Lake Worth, Fla.	2005	2917	1884	55%	749078	Nucor Building Systems, Varco Pruden Buildings	15000
15	Red Dot Buildings/Athens, Texas	1963	2840	3065	-7%	6071312		13955
16	Veneklasen Construction	1976	2827	1050	169%	628300	Varco Pruden Buildings	44878
17	Yonkers Industries, Inc./Orlando, Fla.	1983	2597	853	205%	38728	Varco Pruden Buildings	30000
18	Scenic Ridge Company/Lancaster, Pa.	1989	2458	1837	19%	502800	American Buildings, Corle Building Systems, Metallic Building Co.	29576

Top Metal Building Erectors by Tonnage

Rank	Company Name, Location	Year Founded	2025 Tonnage	2024 Tonnage	% Change Tonnage	2025 Square Footage	Affiliated Manufacturer	Average Project Size
1	Steelworx/Groveland, Fla.	2005	19700	16992	15%	3369570		100000
2	Trimark Building Systems/Plant City, Fla.	2004	18500	15500	19%	2750000	Schulte Building Systems Inc., Varco Pruden Buildings	100000
3	Fleming Steel Erectors/Tulsa, Okla.	1946	12650	14329	-12%	4285900	Butler Manufacturing	115000
4	Precision Erection Company, Inc./Russell Springs, Ky.	1990	11880	9171	29%	1979971	Chief Buildings, Nucor Building Systems, Star Buildings Systems	58234
5	Baker Steel Erectors/Frederick, Colo.	2013	6735	8185	-18%	1280830	American Buildings, DFB Buildings	50,000
6	Summit City Steel/South Whitley, Ind.	2018	6028	1558	287%	1260568	Metallic Building Co., Nucor Building Systems	55325
7	Mericle Construction, Inc./Wilkes-Barre, Pa.	1986	4933	2679	84%	988016	Butler Manufacturing	113000
8	Bahnmilller Construction, Inc./Everett, Wash.	2006	3449	4005	-14%	368220	Cornerstone Building Brands, Nucor Building Systems, Varco Pruden Buildings	48000
9	PTL Fabricators/Clarksville, Tenn.	2004	3156	2876	10%	616201	Butler Manufacturing	50711
10	Foundation Steel/ Swanton, Ohio	2008	2906	3352	-13%	756600	Kirby Building Systems	75000
11	US Metal Builders, Inc./Pleasant, Iowa	2018	2000	1384	44%	448400	American Buildings, Varco Pruden Buildings	30000
12	DD Construction/Centennial, Colo.	2017	1967	1890	4%	648753	American Buildings, Whirlwind Steel Buildings	85000
13	Native American Contracting LLC/Schertz, Texas	1981	1903	1671	14%	448210	Varco Pruden Buildings, Red Dot Buildings	30000
14	Ultimate Steel/Rexburg, Idaho	2001	1658	1006	65%	370971	Nucor Building Systems, Star Building Systems	16129
15	Continental Divide Builders, LLC/Lawrence, Kans.	2016	1181	530	122%	441073	Butler Manufacturing	25000
16	Jones Contracting, Inc./Albertville, Ala.	2001	1150	257	417%	402082	Schulte Building Systems Inc.	12970
17	Epic Construction/Kieler, Wash.	2002	1079	556	94%	143732	Nucor Building Systems, Varco Pruden Buildings	20000
18	Chestnut Oak Construction LLC/Heath, Ohio	2016	1069	1019	5%	309317	Nucor Building Systems	52000
19	FED Corporation/Gladwin, Mich.	1980	922	268	244%		Chief Buildings	20000
20	Crossland Construction Company, Inc./Columbus, Kans.	1977	900	1080	-17	444136	American Buildings, Butler Manufacturing, Ceco Building Systems, Chief Buildings, Kirby Building Systems, Metallic Building Co., Nucor Building Systems, Varco Pruden Buildings	21149
21	HME, Inc./Topeka, Kans.	1996	701	882	-21%	151853	Butler Manufacturing	21700

Top Metal Building Contractors by Tonnage

Rank	Company Name, Location	Year Founded	2025 Tonnage	2024 Tonnage	% Change Tonnage	2025 Square Footage	Affiliated Manufacturer	Average Project Size
19	Freeman Building Systems/Wooster, Ohio	1992	2386	763	213%		Butler Manufacturing	200000
20	Clouse Construction Corp./New Riegel, Ohio	1975	2361	2484	-5%	471444	Butler Manufacturing	50000
21	Maine Metal Buildings Inc./Gorham, Maine	2016	2235	1837	22%	391901	Corle Building Systems, Nucor Buildings Systems, Star Building	12642
22	JBS Contracting, Inc./Mt. Pleasant, Mich.	1993	2178	1841	18%	809700	Chief Buildings, Nucor Building Systems	20000
23	Dublin Building Systems/Dublin, Ohio	1969	2150	1100	96%	720300	Chief Buildings, Varco Pruden Buildings	60000
24	Dunn Building Company, LLC/Birmingham, Ala.	1878	2054	6340	-67%	435105	Varco Pruden Buildings	62000
25	Steel Vision Construction Inc./Rigby, Idaho	2001	2005	2832	-29%	675740	Behlen Manufacturing Co., Nucor Building Systems	70758
26	Walker Design & Construction/West Palm Beach, Fla.	1990	1993				Butler Manufacturing	
27	Ross Construction Group/Springfield, Mo.	2017	1946	1886	320%	511303	American Buildings, Cornestone Building Brands, Star Building Systems	
28	Jensen Builders Ltd/Fort Dodge, Iowa	1983	1890	2350	20%	414100	Chief Buildings	12550
29	ADS Martin/Hutto, Texas	2015	1867	1677	11%	588400		23536
30	Becker's Blueprint Service/Pine Grove, Pa.	1988	1800	2400	-25%	12000	Miller Building Systems	10000
31	Valor Contracting LLC/West Fargo, N.Dak.	2019	1800	1146	57%	500784	Varco Pruden Buildings	71540
32	Rhoads & Johnson	1902	1788			400000	Butler Manufacturing	
33	Buildings By Design/Brush, Colo.	2004	1757	552	218%	345891	Varco Pruden Buildings	12353
34	J&F Construction & Development, Inc./Bucyrus, Ohio	1977	1690	553	206%	210885	Butler Manufacturing	50000
35	SteelCan Building Systems Ltd/Oshawa, Ont.	2018	1682	2743	-39%	352000	Varco Pruden Buildings	70000

Top Metal Building Erectors by Square Footage

Rank	Company Name, Location	Year Founded	2025 Square Footage	2024 Square Footage	% Change Sq. Ft.	2025 Tonnage	Affiliated Manufacturer	Average Project Size
1	Fleming Steel Erectors/Tulsa, Okla.	1946	4285900	5129134	-17%	12650	Butler Manufacturing	115000
2	Steelworx/Groveland, Fla.	2005	3369570	2831536	19%	19700		100000
3	Trimark Building Systems/Plant City, Fla.	2004	2750000	2300000	20%	18500	Schulte Building Systems Inc., Varco Pruden Buildings	100000
4	Precision Erection Company, Inc./Russell Springs, Ky.	1990	1979971	1542389	28%	11880	Chief Buildings, Nucor Building Systems, Star Buildings Systems	58234
5	Baker Steel Erectors/Frederick, Colo.	2013	1280830	1605200	-20%	6735	American Buildings, DFB Buildings	50,000
6	Summit City Steel/South Whitley, Ind.	2018	1260568	343842	267%	6028	Metallic Building Co., Nucor Building Systems	55325
7	Thomas Phoenix Intl/Eastampton, N.J.	1998	1052632	689379	53%			25673
8	Mericle Construction, Inc./Wilkes-Barre, Pa.	1986	988,016	590,000	68%	4,933	Butler Manufacturing	113000
9	Foundation Steel/ Swanton, Ohio	2008	756600	961300	-22%	2906	Kirby Building Systems	75000
10	DD Construction/Centennial, Colo.	2017	648753	632586	3%	1967	American Buildings, Whirlwind Steel Buildings	85000
11	PTL Fabricators/Clarksville, Tenn.	2004	616201	543075	14%	3156	Butler Manufacturing	50711
12	US Metal Builders, Inc./Pleasant, Iowa	2018	448400	330777	36%	2000	American Buildings, Varco Pruden Buildings	30000
13	Native American Contracting LLC/Schertz, Texas	1981	448210	337354	33%		Varco Pruden Buildings, Red Dot Buildings	30000
14	Crossland Construction Company, Inc./Columbus, Kans.	1977	444136	465061	-5	900	American Buildings, Butler Manufacturing, Ceco Building Systems, Chief Buildings, Kirby Building Systems, Metallic Building Co., Nucor Building Systems, Varco Pruden Buildings	21149
15	Continental Divide Builders, LLC/Lawrence, Kans.	2016	441073	473356	-6%	1181	Butler Manufacturing	25000
16	Jones Contracting, Inc./Albertville, Ala.	2001	402082	77788	417%	1150	Schulte Building Systems Inc.	12970
17	Ultimate Steel /Rexburg, Idaho	2001	370971	197945	87%	1658	Nucor Building Systems, Star Building Systems	16129
18	Bahnmilller Construction, Inc./Everett, Wash.	2006	368220	631594	-42%	3449	Cornerstone Building Brands, Nucor Building Systems, Varco Pruden Buildings	48000
19	Page Construction LLC/Senatobia, Miss.	2008	319824	271850	18%		Nucor Building Systems	24602
20	Chestnut Oak Construction LLC/Heath, Ohio	2016	309317	214851	44%	1069	Nucor Building Systems	52000
21	Maverick Steel, Inc./Byers, Colo.	2002	308363	375204	-17%		Metallic Building Co., Nucor Building Systems	25000
22	G&D Erectors, Inc./Avella, Pa.	2009	220546	336876	-34%		Corle Building Systems, Nucor Building Systems, Quality Metal Building Systems	6000
23	HME, Inc./Topeka, Kans.	1996	151853	135948	12%	701	Butler Manufacturing	21700
24	Epic Construction/Kieler, Wash.	2002	143732	131943	9%	1079	Nucor Building Systems, Varco Prudein Buildings	20000



Investment You Can See. Service You Can Count On.

At SBS and Inland Buildings, planned investments in facilities, equipment, and technology support what customers value even more—**unmatched service**. With one point of contact, clear communication, and a dedicated team behind every job, your projects move forward with confidence.

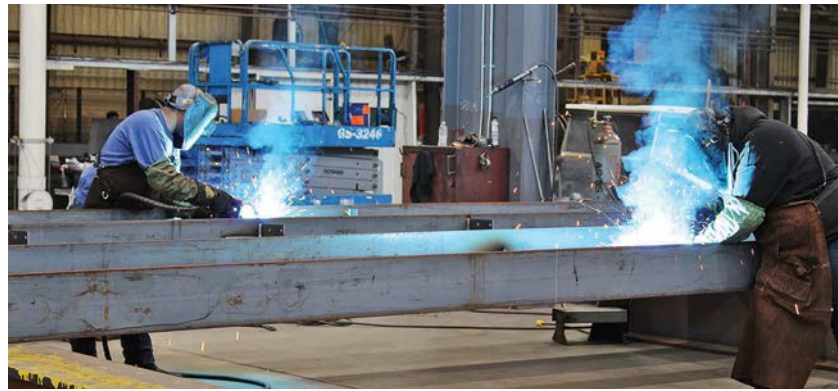
Count on us for your next project.

SBS
SCHULTE BUILDING SYSTEMS
TEXAS ■ ALABAMA
1.877.257.BLDG (2534)
sbslp.com

Inland
BUILDINGS
1.800.438.1606
inlandbuildings.com

SBS is proud to be named to the Houston Chronicle's Top 100 Private Companies **twelve years in a row**.





Contact Us Today.

SBS
SCHULTE BUILDING SYSTEMS
TEXAS ■ ALABAMA
1.877.257.BLDG (2534)
sbslp.com

Inland
BUILDINGS
1.800.438.1606
inlandbuildings.com

Top Metal Building Contractors by Tonnage

Rank	Company Name, Location	Year Founded	2025 Tonnage	2024 Tonnage	% Change Tonnage	2025 Square Footage	Affiliated Manufacturer	Average Project Size
36	Keystone Steel Structures, LLC./Honey Brook, Pa.	2001	1624	1068	52%	586424	Kirby Building Systems, Metallic Building Co., Vulcan Steel Structures, Whirlwind Steel Buildings	14300
37	Harrell Construction Co., Inc./Jacksonville, Fla.	1977	1549			471750	Varco Pruden Buildings	20000
38	Summit Building Solutions, LLC/Tallahassee, Ala.	2002	1515	1211	25%	322368	Ascent Buildings	21490
39	MWC Group, Inc./Adelanto, Calif.	2015	1498	1390	8%	388500	CBC Steel Buildings, Cornerstone Building Brands, Star Building Systems, Varco Pruden Buildings	5750
40	Greystone Construction Company	1987	1488	1090	37%	293186	Nucor Building Systems	
41	Rainwater Construction Company/Atlanta, Ga.	1956	1487	1788	-17%	452400	Butler Manufacturing	75000
42	Construction Management, Inc./Winchester, Va.	1976	1373	250	449%	314110	Butler Manufacturing	39000
43	Steel Building Specialists/Halethorpe, Md.	1996	1348	1588	-15%	419164	Varco Pruden Buildings	
44	New Belle Construction/Belle Vernon, Pa.	1987	1325	575	130%	234504	Butler Manufacturing	75000
45	NuAge Builders/Sioux Falls, S.D.	2017	1280	3474	171%	424448	Behlen Manufacturing Co., Varco Pruden Buildings	30000
46	C. Tucker Cope and Associates, Inc./Columbiana, Ohio	1984	1271	2959	-57%	216889	Chief Buildings, Schulte Building Systems	20000
47	Myers Building Services, LLC/Orchard Park, N.Y.	2020	1261	132	855%	250000	Butler Manufacturing	45000
48	Ferguson Construction/Sidney, Ohio	1920	1226	2226	-45%	387658	Nucor Building Systems	
49	Redhawk Metal Buildings/Richfield, Wisc.	2016	1210	1962	-38%	188104	Nucor Building Systems	20000
50	Sea Con, LLC/Issaquah, Wash.	1976	1118	1173	0%	334381	GEM Building Systems	18000
51	Van Hoose Construction/Oklahoma City, Okla.	1980	1113	2861	61%		Butler Manufacturing	
52	Campbell Construction/Wooster, Ohio	1953	990	1180	-16%	271384	Butler Manufacturing	38769
53	North Valley Building Systems Inc/Chico, Calif.	1972	979	504	94%		Butler Manufacturing	
54	Raeco Builders, LLC	2009	955	345	177%	193944	Nucor Building Systems	30000
55	United Enterprises Construction/Greencastle, Pa.	2002	950	530	79%	294350	Corle Building Systems, Kirby Building Systems, Varco Pruden Buildings	16353
56	Urban Construction Company/Wausau, Wisc.	1948	908	1296	-30%	232544	Butler Manufacturing	14000
57	Ayars & Ayars, Inc./Lincoln, Neb.	1985	907	112	710%	173019	Butler Manufacturing	27431
58	The Sheridan Corporation/Fairfield, Maine	1947	900	650	39%	175000	Butler Manufacturing	20000
59	King Construction/Iowa Falls, Iowa	1947	817	350	133%	348000	Butler Manufacturing	21700
60	Total Building Solutions, LLC/Bourbon, Mo.	1996	802	530	51%	214,996	American Buildings	20000
61	Chambers Construction/Eugene, Ore.	1955	786	348	126%	132290	Butler Manufacturing	33000
62	Stanker & Galetto, Inc./Vineland, N.J.	1946	773	1663	54%	380000	Butler Manufacturing	85000
63	Baker Constructors/Frederick, Colo.	2013	750	1305	-43%	190000	DFB Buildings	40000
64	James Ware Construction, Inc./Sturgis, Mich.	1974	734	713	3%	136015	Bulter Manufacturing	45338
65	Hoover Building Specialists, LLC/Honey Brook, Pa.	2001	721	2494	-51%	155202	Corle Building Systems, Nucor Building Systems	
66	A.C.E. Building Service, Inc./Manitowoc, Wisc.	1950	711	491	45%	163289	Butler Manufacturing	18000
67	MMBS Inc./Hudsonville, Mich.	1972	705	1201	-41%	173000	Kirby Building Systems, Metallic Building Co.	12000
68	Pre-Con Builders/Winnipeg, Man.	1986	700	300	133%	155000	Butler Manufacturing	40000
69	Beaver Construction Inc./Canton, Ohio	2011	693	275	152%	37226	Varco Pruden Buildings	25000
70	Brookpark Design Builders/North Royalton, Ohio	1951	682	375	83%	218000	Schulte Building Systems, Varco Pruden Buildings	60000
71	Design Builders & Contractors of Eau Claire, LLC/Elk Mount, Wisc.	2005	670	625	7%	168821	Nucor Building Systems	20000
72	Septagon Construction Company/Sedalia, Mo.	1980	665	3025	-78%		Butler Manufacturing	
73	Tedesco Construction Services/Tonawanda, N.Y.	2006	661	707	-7%	225055	Nucor Building Systems, Varco Pruden Buildings	50000
74	DeGraff Development, Inc/Ripon, Calif.	1987	629	257	145%	132814	CBC Steel Buildings, Ceco Building Systems	20000
75	M F Litteken Co./Wichita Falls, Texas	1912	618	408	51%	155290	Varco Pruden Buildings	15000
76	Bel-Con Design Builders Ltd./Belleville, Ont.	1973	592	1101	-46%	72492	Butler Manufacturing	15000
77	Kent Design Build/Covington, La.	1990	589	953	-38%	296647	Butler Manufacturing	10000
78	Svenska Builders Ltd./Saskatoon, Sask.	2016	580	710	-18%	141520	Behlen Manufacturing Co., Prairie Steel Products	15725
79	Racanelli Construction/Mellville, N.Y.	1980	561					
80	Fabri Steel West Inc./Sacramento, Calif.	1999	551	301	83%	148283	Metallica Building Co., Nucor Building Systems	6500
81	Riedel - Wilks Building Structures, Inc./Huntington, W. Va.	1978	517	1051	-59%	98675	Kirby Building Systems, Parkline Buildings, Varco Pruden Buildings	12000
82	CHG Building Systems, Inc./Renton, Wash.	1987	510	621	18%	102379	Varco Pruden Buildings	15000
83	Pat Munger Construction Company, Inc./Branford, Conn.	1968	509	1260	-59%	86639	Varco Pruden Buildings	6189
84	Felderman Design-Build/Fort Wayne, Ind.	1975	508	527	-4%	126328	Nucor Building Systems	
85	Richardson Brothers Construction/Hutchinson, Kans.	1974	448	883	-49%	92000	Butler Manufacturing	18000

Top Metal Building Contractors by Tonnage

Rank	Company Name, Location	Year Founded	2025 Tonnage	2024 Tonnage	% Change Tonnage	2025 Square Footage	Affiliated Manufacturer	Average Project Size
86	Metal Building Specialists, LLC/Rocky Mount, N.C.	2017	438	89	392%	169890	Nucor Building Systems	6285
87	Maas Brothers Construction Co., Inc./Watertown, Wisc.	1922	433	207	109%	206338	Kirby Building systems	75000
88	Ohio Dutch Construction, Inc./Berlin, Ohio	1984	433	406	7%		Kirby Building Systems	
89	VIP Structures, Inc./Syracuse, N.Y.	1975	431	675	-57%	82500	Varco Pruden Buildings	52000
90	Northwest Builders Inc.		429	586	-27%	91432	Butler Manufacturing	9143
91	EDiS Building Solutions/Wilmington, Del.	1980	422				Butler Manufacturing	
92	Timeless Construction/Wilmington, N.C.	2017	400			50000	Butler Manufacturing	10500
93	Carley Construction Co Inc/Wamego, Kans.	2005	391	409	-4%	118205	Nucor Building Systems	7000
94	W.K. Thomas and Associates/Bulter, Pa.	1974	380	401	-5%		Butler Manufacturing	55000
95	MAR Building Solutions/Lee's Summit, Mo.	2014	365	821	-56%	186709	Butler Manufacturing	9826
96	Cincinnati Commercial Contracting/Cincinnati, Ohio	1979	363	413	-12%	123875	Butler Manufacturing	15485
97	Rudolph Libbe Inc./Wallbridge, Ohio	1955	330	860	-61%	71065	Nucor Building Systems, Varco Pruden Buildings	15000
98	CWB Contractors/West Bridgewater, Pa.	1972	320				Butler Manufacturing	20000
99	Coleman-Adams Construction Inc./Forest, Va.	1971	310	73	325%	81250	Butler Manufacturing	15000
100	Century Construction Company, Inc./Richmond, Va.	1963	309	357	-13%		Butler Manufacturing	

Top Metal Building Contractors by Square Footage

Rank	Company Name, Location	Year Founded	2025 Square Footage	2024 Square Footage	% Change Sq. Ft.	2025 Tonnage	Affiliated Manufacturer	Average Project Size
1	Span Construction & Engineering, Inc./Madera, Calif.	1980	6670507	6196409	8%	39745	Butler Manufacturing, Nucor Building Systems	1500000
2	Red Dot Buildings/Athens, Texas	1963	6071312	6530406	-7%	2840		13955
3	Sure Steel, Inc./South Weber, Utah	1993	3445763	3832597	-10%	21307	American Buildings, Ceco Building Systems, Cornerstone Building Brands, GEM Building Systems, Varco Pruden Buildings, Allied Steel Buildings	143500
4	Design Systems Builders LLC/Nashville, Tenn.	1976	2624000			3602	Butler Manufacturing	
5	A-Lert Roof Systems / A-Lert Building Systems Divisions of Centurion Industries Inc./New Braunfels, Texas	1975	2100000	2000000	5%			13000
6	Image Building Systems/Tempe, Ariz.	2006	1794770	1573700	14%	9870	CBC Steel Buildings, Varco Pruden Buildings	70000
7	Keller, Inc./Kaukauna, Wisc.	1960	1483908	1474016	1%	8687	American Buildings	
8	Lemartec Corporation/Coconut Grove, Fla.	1977	1200000	808480	48%	8550		250000
9	JBS Contracting, Inc./Mt. Pleasant, Mich.	1993	809700	735730	10%	2178	Chief Buildings, Nucor Building Systems	20000
10	Revere Steel LLC/Butler, Pa.	2019	770230	589193	37%	3152	Corle Building Systems, Nucor Building Systems	
11	Coastal Steel Structures/Lake Worth, Fla.	2005	749078	774216	-3%	2917	Nucor Building Systems, Varco Pruden Buildings	15000
12	Dublin Building Systems/Dublin, Ohio	1969	720300	494200	46%	2150	Chief Buildings, Varco Pruden Buildings	60000
13	Steel Vision Construction Inc./Rigby, Idaho	2001	675740	813569	-17%	2005	Behlen Manufacturing Co., Nucor Building Systems	70758
14	Ahrens Companies/Lake Park, Fla.	1902	641000	475000	66%	3375	Behlen Manufacturing Co.	
15	Veneklasen Construction/Grand Rapids, Mich.	1976	628300	260000	142%	2827	Varco Pruden Buildings	44878
16	ADS Martin/Hutto, Texas	2015	588400	640019	-8%	1867		23536
17	Keystone Steel Structures, LLC/Honey Brook, Pa.	2001	586424	696258	-16%	1624	Kirby Building Systems, Metallic Building Co., Vulcan Steel Structures, Whirlwind Steel Buildings	14300
18	BARNES Buildings & Management Group, Inc./Weymouth, Mass.	1996	565175	178208	217%	3269	Behlen Manufacturing Co., Cornerstone Building Brands, Metallic Building Co., Nucor Building Systems, Allied Steel, Iron City Structures	
19	Scenic Ridge Company/Lancaster, Pa.	1989	556900	407649	24%	2184	American Buildings, Corle Building Systems, Metallic Building Co.	29576
20	Ross Construction Group/Springfield, Mo.	2017	511303	358131	43%	1946	American Buildings, Cornestone Building Brands, Star Building Systems	100000
21	Valor Contracting LLC/West Fargo, N.D.	2019	500784	289934	73%	1800	Varco Pruden Buildings	71540
22	Buildings Innovations Group/East Rochester, N.Y.	2000	475000	495000	-4%	3075	Ceco Building Systems	45000
23	Harrell Construction Co. Inc./Jacksonville, Fla.	1977	471750			1549	Varco Pruden Buildings	20000
24	Clouse Construction Corp./New Riegel, Ohio	1975	471444	506736	-7%	2361	Butler Manufacturing	50000
25	LeFrois Builder Inc./Henrietta, N.Y.	1947	462754	470000	-2%	2962	Butler Manufacturing	70000
26	Rainwater Construction Company/Atlanta, Ga.	1956	452400	563650	-17%	1487	Butler Manufacturing	75000
27	Dunn Building Company, LLC/Birmingham, Ala.	1878	435105	863228	-50%	2054	Varco Pruden Buildings	62000

Forming Solutions. Delivering Results.

In the world of architectural fabrication, excellence is demanded.

That's why the industry's most respected professionals turn to MetalForming. For over 25 years, we've offered only the finest metal forming equipment in the world from globally recognized brands. Our expert teams understand what's at stake with every bend and cut, and it shows in our service and support. When only the best will do, we're the name behind the brands you trust.

One Source for Architectural Metal Forming Machines

- Rollformers
- Curving & Standing Seam Machines
- Metal Folders
- Shears
- Metal Handbrakes
- Coil Processing
- Software

Your Source for the Industry's Most Trusted Brands



Partner with the proven leader in metal forming solutions.

770-631-0002 | metalforming-usa.com





MetalForming LLC: Architectural Fabricators' Trusted Partner

For architectural metal fabricators who refuse to compromise, MetalForming LLC is North America's premier source for world-class thin sheet metal folding, rollforming, shearing, and coil processing equipment, genuine manufacturer parts inventory, and unmatched service and support. As one of the industry's oldest and largest distributors, MetalForming LLC has built its reputation on delivering the best of the best and investing in customer success.

Comprehensive Equipment Solutions

MetalForming LLC represents a portfolio of globally recognized brands specifically chosen for their excellence in architectural thin sheet metal folding, rollforming, shearing, and coil processing applications.

Our architectural lineup includes:

- Schechl folding and shearing equipment: proven performance for demanding applications
- Schroeder folders and shears: superior speed with industry-leading laser safety systems
- Jorns JDB double bending machines: exceptional open space and graphical control for complex profiles
- New Tech Machinery portable rollformers: best-in-class design, including the recently released SSQ3
- VIETSTEEL wide-format in-plant roofing rollforming systems: high-precision production with proven global reliability
- Schleich in-plant rollforming machines: quick-change profile cassettes for flexibility
- Stolarczyk coil processing systems: built for optimizing, automating, and improving the production process

Parts When You Need Them

Understanding that downtime costs money, we maintain extensive parts inventory to keep customers running. With genuine OEM parts in stock

and ready to ship, fabricators can minimize production interruptions and maintain peak equipment performance.

Service That Sets the Standard

What truly differentiates MetalForming LLC is comprehensive service support that extends far beyond the initial sale. Experienced technicians provide both on-site and remote support, ensuring rapid response when issues arise.

Our service philosophy recognizes that every fabricator's situation is unique. That's why we offer flexible support options including preventive maintenance programs, comprehensive operator training, facility layout optimization, and 24/7 technical assistance. From initial consultation through installation and ongoing production support, we handle the details so customers can focus on fabricating exceptional products.

Built on Partnership

Beyond selling equipment, we build lasting partnerships. By understanding the critical importance of each buying decision and the role machines play in fabricator success, MetalForming LLC provides the expertise, responsiveness, and dedication that architectural fabricators need to compete and grow.

For architectural fabricators ready to elevate their capabilities with world-class equipment and support, MetalForming LLC delivers both.

Partner with the proven leader in metal forming solutions.



MetalForming LLC
770-631-0002
MetalForming-usa.com

Top Metal Building Contractors by Square Footage

Rank	Company Name, Location	Year Founded	2025 Square Footage	2024 Square Footage	% Change Sq. Ft.	2025 Tonnage	Affiliated Manufacturer	Average Project Size
28	NuAge Builders/Sioux Falls, S.D.	2017	424448	796995	-47%	1280	Behlen Manufacturing Co., Varco Pruden Buildings	30000
29	Steel Building Specialists/Halethorpe, Md.	1996	419164	322356	30%	1348	Varco Pruden Buildings	
30	Jensen Builders Ltd/Fort Dodge, Iowa	1983	414100	523380	21%	1890	Chief Buildings	12550
31	Jones Contracting, Inc./Albertville, Ala.	2001	402082	77788	417%	1150	Schulte Building Systems Inc.	12970
32	Rhoads & Johnson/Fenton, Mich.	1902	400000			1788	Butler Manufacturing	
33	Maine Metal Buildings Inc./Gorham, Maine	2016	391901	299747	31%	2235	Corle Building Systems, Nucor Building Systems, Star Building Systems	12642
34	MWC Group, Inc./Adelanto, Calif.	2015	388500	384450	1%	1498	CBC Steel Buildings, Cornerstone Building Brands, Star Building Systems, Varco Pruden Buildings	5750
35	Ferguson Construction/Sidney, Ohio	1920	387658	552603	-45%	1226	Nucor Building Systems	
36	Stanker & Galetto, Inc./Vineland, N.J.	1946	380000	128000	197%	773	Butler Manufacturing	85000
37	SteelCan Building Systems Ltd/Oshawa, Ont.	2018	352000	273000	28%	1682	Varco Pruden Buildings	70000
38	King Construction/Iowa Falls, Iowa	1947	348000	186300	133%	817	Butler Manufacturing	21700
39	Buildings By Design/Brush, Colo.	2004	345891	100526	244%	1757	Varco Pruden Buildings	12353
40	Sea Con, LLC/Issaquah, Wash.	1976	334381	334600	0%	1118	GEM Building Systems	18000
41	Summit Building Solutions, LLC/Tallasee, Ala.	2002	322368	262893	23%	1,515	Ascent Buildings	21490
42	Construction Management, Inc./Winchester, Va.	1976	314110	50000	528%	1373	Butler Manufacturing	39000
43	Kent Design Build/Covington, La.	1990	296647	263065	13%	589	Butler Manufacturing	10000
44	United Enterprises Construction/Greencastle, Pa.	2002	294350	131,000	125%	950	Corle Building Systems, Kirby Building Systems, Varco Pruden Buildings	16353
45	Greystone Construction Company/Shakopee, Minn.	1987	293186	386042	32%	1488	Nucor Building Systems	
46	Reich Construction, LLC/Columbia, Md.	1981	274285	190598	44%		Butler Manufacturing	10000
47	Campbell Construction/Wooster, Ohio	1953	271384	269213	1%	990	Butler Manufacturing	38769
48	Myers Building Services, LLC/Orchard Park, N.Y.	2020	250000	40,000	525%	1261	Butler Manufacturing	45000
49	WENCO Construction Company/Huber Heights, Ohio	1955	240000			3336	Butler Manufacturing	
50	New Belle Construction/Belle Vernon, Pa.	1987	234504	110000	113%	1325	Butler Manufacturing	75000
51	Urban Construction Company/Wausau, Wisc.	1948	232544	315421	-26%	908	Butler Manufacturing	14000
52	Tedesco Construction Services/Tonawanda, N.Y.	2006	225055	144937	55%	661	Nucor Building Systems, Varco Pruden Buildings	50000
53	Brookpark Design Builders/North Royalton, Ohio	1951	218000	82000	166%	551	Schulte Building Systems, Varco Pruden Buildings	60000
54	C. Tucker Cope and Associates, Inc./Columbiana, Ohio	1984	216889	440114	-51%	1271	Chief Buildings, Schulte Building Systems	20000
55	Continental Divide Builders/Lawrence, Kans.	2016	216263	115250	88%	547	Butler Manufacturing	25000
56	Total Building Solutions, LLC/Bourbon, Mo.	1996	214996	107118	101%	802	American Buildings, Cornestone Building Brands, Star Building Systems	20000
57	J&F Construction & Development, Inc./Bucyrus, Ohio	1977	210885	110375	91%	1690	Butler Manufacturing	50000
58	Maas Brothers Construction Co., Inc/Watertown, Wisc.	1922	206338	153000	35%	433	Kirby Building Systems	75000
59	Raeco Builders, LLC/Sioux Falls, S.D.	2009	193944	37612	416%	955	Nucor Building Systems	30000
60	Baker Constructors/Frederick, Colo.	2013	190000	335280	-43%	750	DFB Buildings	40000
61	Redhawk Metal Buildings/Richfield, Wisc.	2016	188104	703658	-74%	1210	Nucor Building Systems	20000
62	MAR Building Solutions/Lee's Summit, Mo.	2014	186709	223600	-17%	365	Butler Manufacturing	9826
63	The Sheridan Corporation/Fairfield, Maine	1947	175000	130000	35%	900	Butler Manufacturing	20000
64	Ayars & Ayars, Inc./Lincoln, Neb.	1985	173019	31295	453%	907	Butler Manufacturing	27431
65	MMBS Inc./Hudsonville, Mich.	1972	173000	396028	-56%	705	Kirby Building Systems, Metallic Building Co.	12000
66	Metal Building Specialists/Rocky Mount, N.C.	2017	169890	27709	513%	438	Nucor Building Systems	10500
67	Design Builders & Contractors of Eau Claire, LLC/Elk Mount, Wisc.	2005	168821	182565	9%	670	Nucor Building Systems	20000
68	A.C.E. Building Service, Inc./Manitowoc, Wisc.	1950	163289	85720	91%	711	Butler Manufacturing	18000
69	M F Litteken Co./Wichita Falls, Texas	1912	155290	104373	48%	618	Varco Pruden Buildings	15000
70	Hoover Building Specialists, LLC/Honey Brook, Pa.	2001	155202	310735	-50%	721	Corle Building Systems, Nucor Building Systems	
71	Pre-Con Builders/Winnipeg, Man.	1986	155000	90,000	72%	700	Butler Manufacturing	40000
72	Ohio Dutch Construction, Inc./Berlin, Ohio	1984	154776	135184	15%	433	Kirby Building Systems	
73	Fabri Steel West Inc./Sacramento, Calif.	1999	148283	176,520	-16%	551	Metallica Building Co., Nucor Building Systems	6500
74	Svenska Builders Ltd./Saskatoon, Sask.	2016	141520	178960	-21%	580	Behlen Manufacturing Co., Prairie Steel Products	15725
75	Lacey Construction, Inc./Wahoo, Neb.	2001	136305	75000	81%		Ceco Building Systems	14000
76	James Ware Construction, Inc./Sturgis, Mich.	1974	136015	186683	-27%	734	Bulter Manufacturing	45338
77	DeGraff Development, Inc/Ripon, Calif.	1987	132814	65863	102%	629	CBC Steel Buildings, Ceco Building Systems	20000
78	Chambers Construction/Eugene, Ore.	1955	132290	47000	182%	786	Butler Manufacturing	33000

Top Metal Building Contractors by Square Footage

Rank	Company Name, Location	Year Founded	2025 Square Footage	2024 Square Footage	% Change Sq. Ft.	2025 Tonnage	Affiliated Manufacturer	Average Project Size
79	Felderman Design-Build/Fort Wayne, Ind.	1975	126328	116674	8%	508	Nucor Building Systems	
80	Cincinnati Commercial Contracting/Cincinnati, Ohio	1979	123875	146755	-16%	363	Butler Manufacturing	15485
81	Carley Construction Co Inc/Wamego, Kans.	2005	118205	113765	4%	391	Nucor Building Systems	7000
82	W.K. Thomas and Associates/Bulter, Pa.	1974	110000	132500	-17%	380	Butler Manufacturing	55000
83	CHG Building Systems, Inc./Renton, Wash.	1987	102379	95159	8%	510	Varco Pruden Buildings	15000
84	Riedel - Wilks Building Structures, Inc./Huntington, W.Va.	1978	98675	243074	-59%	517	Kirby Building Systems, Parkline Buildings	12000
85	Weaver Commercial Contractor Inc./Dalton, Ohio	2001	95025	20695	359%	275	Nucor Building Systems, Varco Pruden Buildings	20000
86	Richardson Brothers Construction/Hutchinson, Kans.	1974	92000	213600	-57%	448	Butler Manufacturing	18000
87	Northwest Builders Inc.		91432	219504	-58	429	Butler Manufacturing	9143
88	Pat Munger Construction Company, Inc./Branford, Conn.	1968	86639	254883	-194%	509	Varco Pruden Buildings	6189
89	VIP Structures, Inc./Syracuse, N.Y.	1975	82500	227800	-64%	431	Varco Pruden Buildings	52000
90	Tarheel Building Systems/New Bern, N.C.	1986	81671	63100	29%	275	Schulte Building Systems Inc.	20417
91	Coleman-Adams Construction Inc./Forest, Va.	1971	81250	19640	314%	310	Butler Manufacturing	15000
92	Hammers Construction, Inc./Perham, Maine	1956	81044	72469	12%	296	American Buildings, Behlen Manufacturing Co., Metallic Building Co.	20000
93	Bel-Con Design Builders Ltd./Belleville, Ont.	1973	72492	234780	-69%	592	Butler Manufacturing	15000
94	Rudolph Libbe Inc./Wallbridge, Ohio	1955	71065	191000	-63%	330	Nucor Building Systems, Varco Pruden Buildings	15000
95	EPOC Construction, Inc./Newport News, Va.	2001	64160	99786	-36%	194	American Buildings, Varco Pruden Buildings	12000
96	AML Construction/Floyd Knobs, Ind.	1956	53577	50996	6%	241	Varco Pruden Buildings	30000
97	Otto Construction, LLC/Myrtle Beach, S.C.	2022	50000	50000	0%	10000		8000
98	Timeless Construction/Wilmington, N.C.	2017	50000			400	Butler Manufacturing	10500
99	Green Horizon Construction LLC/Toms River, N.J.	2010	47432	12440	281%		Ceco Building Systems, Nucor Building Systems	16000
100	A. B. Systems, Inc./Rochester, Minn.	1972	46000	157000	-71%	270	Nucor Building Systems, Varco Pruden Buildings	15000
101	Yonkers Industries, Inc./Orlando, Fla.	1983	38728	14482	167%	2597	Varco Pruden Buildings	30000
102	Beaver Construction Inc./Canton, Ohio	2011	37226	74952	152%	693	Varco Pruden Buildings	25000
103	Becker's Blueprint Service/Pine Grove, Pa.	1988	12000	16000	-25%	1800	Miller Building Systems	10000
104	Eastern Glass and Aluminum, Inc./Norcross, Ga.	1998						
105	Freeman Building Systems/Wooster, Ohio	1992					Butler Manufacturing	200000
106	Henry Gurtzweiler, Inc./Toledo, Ohio	2013					Chief Buildings	40000
107	Septagon Construction Company/Sedalia, Mo.	1980						

Top Metal Building Contractors Company List

A. B. Systems, Inc.

Rochester, MN
Peter Schuller
www.absystemsinc.com
Design and build metal buildings, with architectural, engineering, and construction.

A.C.E. Building Service, Inc.

Manitowoc, WI
Chris Herzog, Carolyn Hoffmann, Stuart Johnson, and Max Maigatter
www.acebuildingservice.com
A.C.E. Building Service is a design-build general contractor specializing in new construction, expansions, renovations, pre-engineered building systems, and metal re-roof.

ADS Martin

Hutto, TX
Tracy Martin
www.adsmartin.com
ADS Martin delivers end-to-end services for pre-engineered metal building projects, including consulting, design coordination, procurement, and furnish-and-erect construction. As a systems integrator within the metal building industry, the firm manages the complete building system to deliver efficient, coordinated solutions across commercial, institutional, and industrial building sectors.

Ahrens Companies

Lake Park, FL
Richard Ahrens, Judy Ahrens
ahrenscompanies.com

A-Lert Roof Systems / A-Lert Building Systems Divisions of Centurion Industries Inc.

New Braunfels, TX
Kevin Tharp, Loren Troyer, Brad Perrish, Randy Shinkle
www.alertroofsystems.com
A-Lert Roof Systems manufactures and installs retrofit and new-construction standing-seam metal roof systems, and A-Lert Building Systems manufactures and installs self-storage facilities and pre-engineered metal buildings.

AML Construction

Floyds Knobs, IN
Robert Libs, Chrys Blakeman
www.amlinc.net
AML Construction is your go-to general contracting partner for commercial, industrial, institutional, warehousing, and manufacturing site development and building projects. We specialize in delivering innovative, diversified construction services for complex, multifaceted projects that demand a collaborative approach. With our expertise and commitment to excellence, we ensure successful project outcomes and client satisfaction. Trust us to bring your vision to life and exceed your expectations at every step.

Arcorp Structures, LLC

Chicago, IL
Dan Zarco
www.arcorpgroup.com
Fabricator of structural steel and miscellaneous metals for the government and commercial markets. We are an AMBE/AISC-certified fabricator.

Ayars & Ayars, Inc.

Lincoln, NE
R. Michael Ayars
www.ayarsayars.com
Ayars & Ayars, Inc. is a design-build leader focused on creating opportunities by building beneficial relationships, processes, and projects. We have been developing lasting relationships in the commercial construction industry since 1985, and our focus has not changed over the years. It is our mission to design and build construction solutions that satisfy our clients' needs. Our services include pre-engineered new construction and additions of metal buildings, retrofitting, and metal roof replacements. We also provide complete concrete services, concrete tilt-up construction, and masonry and carpentry work.

Top Metal Building Contractors Company List

Baker Constructors

Frederick, CO
Dustin Baker, Jodi Baker
bakercompaniesus.com
We are a general contractor specializing in industrial and commercial building construction.

Barnes Buildings & Management Group, Inc.

Weymouth, MA
Martin Barnes
www.barnesbuildings.com
We are a steel construction specialist serving general contractors, developers, and building owners throughout New England, specializing in engineered steel building systems, fabricated steel systems, metal roof and wall systems, and steel fabrication (structural and misc. iron).

Beaver Constructors Inc.

Canton, OH
Matt Sterling, Betsy Sterling
beaverconstructors.com
Full-service general contractor performing GC work, CMR, and design-build

Becker's Blueprint Service

Pine Grove, PA
Scott Becker
beckersblueprints.com
We design steel buildings for different occupancy classifications. We do not use premade kits. We design the building and hire a steel manufacturer to fabricate the structure in accordance with our design.

Bel-Con Design Builders Ltd.

Bellefonte, PA
Michelle Stephens
www.bel-con.com
ICI design builder specializes in pre-engineered buildings, standing seam, re-roof, new construction, addition, and renovation.

Brookpark Design Builders

North Royalton, OH
Ralph Friedmann, Steve Friedmann
brookparkdesign.com
Brookpark Design Builders specializes in the fabrication and installation of exterior building envelope products. Furnish and installation of pre-engineered metal building systems, metal roofing, architectural wall panels, insulated panels, fibre cement, aluminum plate, and sintered stone panels.

Building Innovation Group Inc

East Rochester, NY
Stephen Holmes
www.buildinggroup.com
Full general contractor.

Buildings By Design

Brush, CO
Travis Lefever, Pat Walter
www.buildingsbydesign.com
Buildings by Design is a full-service general contractor with a dedicated metal buildings division. This metal buildings division focuses on selling larger, more complex furnishing and erecting projects (new construction) to larger general contractors. We also pursue metal building service and metal building retrofit roofing projects.

C. Tucker Cope and Associates, Inc.

Columbiana, OH
Tucker Cope
www.ctcope.com
Design-build general contractor offering construction, engineering, metal buildings, concrete, and foundations.

Campbell Construction

Wooster, OH
John A. Campbell
www.campbell-construction.com
Design-build general contractor/construction manager specializing in commercial and industrial construction

Carley Construction Co Inc.

Wamego, KS
Thad Carley
www.carleyco.com
General contractor specializing in metal buildings, storage units, and new commercial construction.

Century Construction Company, Inc

Richmond, VA
Employee-owned
www.centuryconstruction.com
We are a full-service general contractor. Pre-engineered metal buildings are a large part of our market.

Chambers Construction

Eugene, OR
Dave Bakke, Chris Boyum, Frank Travis, Brian Anderson
chambersconstruction.com
Chambers Construction is a commercial and industrial general contractor, building in Oregon communities for more than 70 years. We specialize in both negotiated CM/GC contract work and design-build projects for the public and private sectors.

CHG Building Systems, Inc.

Renton, WA
Ryan Grouws, Steven Grouws
www.chgbuildingsystems.com
Furnish/erect PEMB subcontractor, structural steel erector, and architectural sheet metal installer.

Cincinnati Commercial Contracting

Cincinnati, OH
cccontracting.com

Clouse Construction

New Riegel, OH
Lenny Clouse, Lynn Clouse, Brian Clouse
www.clouseconstruction.com
Design-build general contractor specializing in pre-engineered steel buildings and conventional steel.

Coastal Steel Structures

Lake Worth, FL
Michael Cejas, Jacob Lang, Chris Glykas
www.coastalsteelstructures.com
Metal buildings and new construction.

Coleman-Adams Construction, Inc.

Forest, VA
A.C. (Clif) Coleman, David Coleman
www.coleman-adams.com
General contractor featuring Butler pre-engineered buildings and roof systems for commercial and industrial construction.

Construction Management, Inc.

Winchester, VA
Jason Garlock
cmiva.com
A Butler builder specializing in new construction warehousing.

Continental Divide Builders, LLC

Lawrence, KS
Michael Taylor, Richard Taylor
continentaldividebuilders.com
Furnish and erect metal buildings for other builders.

CWB Contractors

West Bridgewater, MA
James Leonard, Stephen Leonard, Lawrence Leonard
cwbcontractors.com
Metal buildings, reroofing, and general contracting.

DeGraff Development, Inc.

Ripon, CA
Chad DeGraff
degraffdevelopment.com
DeGraff Development specializes in pre-engineered metal buildings, which self-perform building erection, including new commercial and industrial construction, metal roofing and wall systems, insulated panels, and retrofit projects.

Design Builders & Contractors of Eau Claire, LLC

Elk Mound, WI
Doug Awe, Lucas Weissinger
designbuilderswi.com
General contractor specializing in commercial pre-engineered metal buildings.

Design Systems Builders LLC

Nashville, TN
T.W. Frierson
Design Systems Builders (DSB) specializes in the erection of pre-engineered buildings for distribution, industrial, commercial, and aviation clientele.

Dublin Building Systems

Dublin, OH
Rich Ireland, Bob Howe
www.dublinbuilding.com
DBS is a design-build general contractor specializing in commercial and industrial construction. We also complete large furnishing and erect projects for larger general contractors in Ohio.

Dunn Building Company, LLC

Birmingham, AL
Dunn Investment Company
www.dunnbuildingcompany.com
General contractors and specialty subcontractors in pre-engineered metal buildings, metal roofing, metal siding, and concrete.

EDiS Building Solutions

Wilmington, DE
Brian DiSabatino, Andrew DiSabatino, Adam DiSabatino
www.butlerpartsonline.com
EDiS Building Systems (EBS) Solutions is a premier builder of Butler Manufacturing pre-engineered metal building systems for commercial construction. Whether engaging a full Butler structural system or a hybrid building approach that can come in any shape or size to meet the demands for your next project, including mezzanine and multistory buildings.

THE ONLY GLOBAL EVENT DEDICATED TO THE APPLICATION OF METAL IN DESIGN AND CONSTRUCTION

METALCON 35

35 YEARS STRONG



THE GLOBAL EVENT FOR METAL CONSTRUCTION

Hosted in Florida—where metal construction demand is booming.

Discover the latest in roofing, solar, accessories, fasteners, wall systems, framing, and more at METALCON.

Connect with top manufacturers and stay ahead with 35+ accredited education sessions featuring practical insights from leading industry experts.

OCTOBER 7-9, 2026 • ORLANDO, FL.
METALCON 35



WWW.METALCON.COM | INFO@METALCON.COM



LEARN MORE AND REGISTER AT METALCON.COM

Top Metal Building Contractors Company List

EPOC Construction, Inc.

Newport News, VA
Ken Bingman
epocconstruction.com
Design/build full-service general contractor and PEMB furnish and erect services.

Fabri Steel West Inc

Sacramento, CA
John Arizcuren
www.fswest.com
Metal buildings, metal siding, metal roofing, retrofit, architectural metals, and new construction.

Felderman Design-Build

Fort Wayne, IN
Ryan Harris
felderman.com
Felderman Design-Build is a full-service commercial construction company that manages projects from concept to completion. Their team handles both the design and construction process under one roof, providing streamlined communication, efficient scheduling, cost control, and high-quality craftsmanship.

Ferguson Construction

Sidney, OH
Mick Given
www.ferguson-construction.com
Self-performing general contractor specializing in commercial, industrial, and institutional building construction.

Freeman Building Systems

Wooster, OH
Dan Freeman
www.freemanbuilding.com
Full-service design/build Butler builder serving the industrial and commercial markets, specializing in warehouses, aviation hangars, manufacturing, and athletic facilities.

Greystone Construction Company

Shakopee, MN
Kevin O'Brien
www.greystoneconstruction.com
Greystone Construction is a trusted general contractor and design-build partner, serving commercial, industrial, and agribusiness clients across the United States. Founded in 1987, Greystone has delivered projects in 39 states, providing metal building and general construction services with a focus on quality, safety, and long-term client relationships.

Hammers Construction, Inc.

Perham, MN
1956
Joseph Hammers, Employee-owned
www.hci-mn.com
Design-build commercial/industrial contractor specializing in new construction, remodels, and additions. Internal crews perform metal buildings, metal roofing/sheeting, and carpentry services.

Harrell Construction Co., Inc

Jacksonville, FL
Jason Harrell, Glen Harrell
www.harrellconstruction.com
Provide design/build, furnish, and erect services throughout the Southeastern United States, specializing in industrial, commercial, and aviation sectors.

HME Inc.

Topeka, KS
Jon Haas
www.hmeinc.net
Metal buildings.

Hoover Building Specialists, LLC

Honey Brook, PA
Doug Hoover, Dustin Fox, Richard Hoover
www.hooverbuildings.net
General contractor performing design/build, new construction, and renovations of commercial buildings.

Image Building Systems

Tempe, AZ
Ryan Klosterman
www.imagebuildingsystems.com
Custom-designed, pre-engineered steel building company in Arizona, Nevada, and New Mexico specializing in designing, fabricating, and installing custom-engineered metal buildings, steel buildings, fabric buildings, and shade structures. Our primary focus is on new construction for high-end commercial steel and metal buildings.

J&F Construction & Development, Inc.

Bucyrus, OH
Brock Mayes, Steve Bridgford
www.jfconstruction.com
General contractor offering design-build, build-lease, construction management, steel erection, site work, concrete, carpentry, and reroof services.

JBS Contracting, Inc.

Mt. Pleasant, MI
John Stadtfeld, Becky Connors, Joseph Claybaugh, Lee Roethlisberger
www.jbscontracting.com
General contractor, new construction, renovation, and metal buildings.

Jensen Builders Ltd.

Fort Dodge, IA
Dale Jensen
www.jensenbuilders.com
Design-build general contractor that specializes in self-performing concrete, carpentry, and metal building erection.

Jones Contracting, Inc.

Albertville, AL
Russell Jones
jonescontractingal.com
Design-build, metal roofing and siding, concrete foundations and walls, steel buildings and general contracting.

Keller, Inc.

Kaukauna, WI
Employee-owned
www.kellerbuilds.com
Design/build general contractor.

Kent Design Build

Covington, LA
Kyle Kent
kentdesignbuild.com
Kent offers preconstruction services, design-build services, furnishing and erection of conventional and pre-engineered buildings, CMAR services, and metal-over-metal reroof services.

Keystone Steel Structures, LLC.

Honey Brook, PA
Elam King, Samuel King, Craig Ebersole
www.keystonemetalbuilding.com
New construction of pre-engineered metal buildings.

King Construction

Iowa Falls, IA
Lance Sharar
www.kingconstructioniowa.com

Lacey Construction, Inc.

Wahoo, NE
Chuck Lacey Jr.
www.laceyinc.com
Design-build commercial builders.

LeFrois Builder Inc.

Henrietta, NY
John LeFrois
www.lefrois.com
General contractor of pre-engineered metal buildings.

Lemartec Corporation

Coconut Grove, FL
www.lemartec.com
Lemartec is a national turn-key general construction and construction management firm with a unique expertise in steel building design and construction. We maintain international capabilities and strategic partnerships throughout the Americas and the Caribbean to service the most complex of projects.

M F Litteken Co.

Wichita Falls, TX
Kevin Darnell, Jean Darnell, Shane Darnell
www.mflitteken.com
General contractor and construction manager specializing in projects including pre-engineered building systems.

Maas Brothers Construction Co., Inc

Watertown, WI
Anthony Maas, Tony Meyers, Mark Stafford, Nate Salas, Eric Graf
www.maasbros.com
Maas Bros Construction Co., Inc. is a full-service construction manager specializing in metal building systems and complex commercial and industrial construction. The firm provides preconstruction, design-assist, construction management, and general contracting services.

Maine Metal Buildings Inc.

Gorham, ME
Thomas Morton Jr., Roberta Morton
mainemetalbuildingsinc.com
Metal buildings, installation, additions, energy upgrades, structural steel, and crane rentals and welding services.

MAR Building Solutions

Lee's Summit, MO
Chad Anderson, Kurt Krasick
marbuildingsolutions.com
Provide metal building supply and erect services with in-house erection crews, as well as new construction and reroof services.

Metal Building Specialists LLC

Rocky Mount, NC
Jerry Mott, Karen Mott
www.mbs-nc.com
Furnish and install pre-engineered metal buildings.

MMBS Inc.

Hudsonville, MI
Tom Miedema, Alex Miedema
mmbinfo.com
General contractor specializing in metal building furnishing and erecting.

MWC Group, Inc.

Adelanto, CA
Robert Masseth, Ryan Turner
www.mwcgroup.net
Metal buildings, metal roofing, retrofit, new construction,
design-build, re-skin, and canopies.

Myers Building Services, LLC

Orchard Park, NY
John Myers
www.myersbuildingservices.com
Provide Butler PEMB solutions to the industrial, commercial,
and community markets.

New Belle Construction

Belle Vernon, PA
Jim Kelly, Ryan Kelly
www.newbelleconstruction.com
General contracting, providing design-build service and
turnkey construction.

North Valley Building Systems Inc

Chico, CA
Andy Wood
www.northvalleybuilding.com
General building contractor specializing in new construction,
metal buildings, re-roofing, concrete construction, and
design-build.

Northwest Builders Inc.

Rice Lake, WI
nwbuildersinc.com

NuAge Builders

Sioux Falls, SD
Zach Porter, Bryant Larson, Chase Crevier
nuagebuilders.com
Metal buildings, new construction, retrofit, and metal roofing.

Ohio Dutch Construction, Inc.

Berlin, OH
Kenny Miller
www.ohiodutchconstruction.com
New construction.

Otto Construction, LLC

Myrtle Beach, SC
TJ Otto
ottoconstructionsc.com
New construction PEMBs, retrofit roofs, hangars, and
agricultural buildings.

Pat Munger Construction Company, Inc.

Branford, CT
David A. DeMaio
www.mungerconstruction.com
Pat Munger delivers commercial construction services
including design-build, new construction, renovations/
interior fit-ups, building renewal, repair and maintenance,
and sustainable building solutions. Our integrated
approach combines architecture, engineering,
and high-performance building systems to ensure
durable, cost-effective results.

EXCEL

STAMPING AND MANUFACTURING, INC.



www.excelstamping-mfg.com

phone: (281)304-0771

Excel Stamping and Manufacturing Inc., is a leading supplier of stamped metal products including roof clips, wall clips, door framing clips, back-up plates, inside closures, outside closures, bearing plates, and numerous other accessories for architectural panels, commercial panels and specials. Excel has been providing stamped metal products and stamped metal solutions to the metal building industry for over 35 years with an excellent reputation throughout the industry. Excel Stamping and Manufacturing can take your concept from design and prototype to full production.

BRS Clips & Accessories

Excel Stamping and Manufacturing Inc. is one of only two approved suppliers for clips and accessories for the BRS TS-324 panel and PanelCraft panel roof systems.



BRS ACCESSORIES PARTIAL LIST

- | | |
|-----------|-----------|
| ED324C | BP2-324RO |
| ED324 | BP2-324 |
| FED216C | BP-216RO |
| FED218 | BP-216 |
| CC 324-18 | |

(PARTS LISTED ARE PICTURED TO THE RIGHT)

BRS CLIPS PARTIAL LIST



EXCEL

STAMPING AND MANUFACTURING, INC.

20101 Schiel Road, Cypress, TX 77433
Phone: 281-304-0771 Fax: 281-304-1340

Web: www.excelstamping-mfg.com
E-mail: excelmfg@excelstamping-mfg.com



Top Metal Building Contractors Company List

Pre-Con Builders

Winnipeg, MB
 Jeff Hawryluk, Robin Lee, Kendlee Hawryluk, Carlos Benevides,
 Dan Simon
www.preconbuilders.com

Pre-Con Builders is a design-build contractor that focuses on pre-engineered Butler buildings, multi-family developments, and commercial construction. As a one-stop-shop design-build company, Pre-Con will take on your entire project from start to finish, including city development approvals, rezoning applications, assisting with financing and proformas, in-house drafting and design, and coordination with trades.

Racanelli Construction

Melville, NY
 Nick Racanelli, Michael Racanelli, Richie Racanelli,
 Marty Racanelli, Connie Racanelli
www.racanelliconstruction.com
 We are a general contractor, design-build firm, construction management firm, and developer.

Raeco Builders, LLC

Sioux Falls, SD
 Thomas Jurgens
www.raecobuilders.com
 We are a full-service metal building dealer that also performs our own erection and concrete work.

Rainwater Construction Company

Atlanta, GA
 Steven Hudgins, Maryna Hudgins
www.rainwaterconstruction.com
 Full-service, design-build general contractor specializing in metal building systems and metal roofing/retrofitting with self-performing, AC478-accredited steel erection services.

Redhawk Metal Buildings

Richfield, WI
 Jeff Gunderson, Rick Knabe
www.redhawkmetalbuildings.com
 Furnish and erect pre-engineered metal buildings.

Red Dot Buildings

Athens, TX
 Ted Bush, Brian Jones, David Sherzer
www.reddotbuildings.com

Reich Construction, LLC

Columbia, MD
 Bruno Reich
reichconstructionllc.com
 Metal buildings, reroofs, new construction, designing and erecting pre-engineered buildings, retrofits, and pre-construction services.

Revere Steel LLC

Butler, PA
 Edwin Eyles, Jr., Matthew Bailey, Joseph Utz
reveresteel.com
 Revere Steel delivers full-service pre-engineered metal building solutions, including design, engineering, building erection, and concrete and foundation services tailored to meet each customer's project needs.

Rhoads & Johnson

Fenton, MI
 Kevin Johnson
www.rhoadsjohnson.com
 Full-service design-build contractor.

Richardson Brothers Construction

Hutchinson, KS
 Jon Richardson, Ross Richardson
www.richardson-bros.com
 Specializing in Butler Steel building solutions, we approach each customer with more than just a design-build mentality—we act as a design-build-developer. We design our steel building projects by leveraging our experience, relationships, and product resources to help our partner businesses become more profitable.

Riedel - Wilks Building Structures, Inc.

Huntington, WV
 Scott Riedel, Jeff Handloser, Ryan Riedel
riedel-wilks.com
 Design-build general contractor specializing in applications for PEMBs and retrofit projects. Industrial supplier of pre-engineered metal buildings.

Ross Construction Group

Springfield, MO
 Andy Ross, David Ross
www.ross2017.com
 General contractor for all types of commercial construction.

Rudolph Libbe Inc.

Walbridge, OH
 Jeff Schaller
rlgbuilds.com
 General contractor for metal building, metal roofing, and retrofit.

Scenic Ridge Company

Lancaster, PA
 Jay King
www.scenicridge.com
 Design-build new construction, renovations, expansions, metal buildings, steel fabrication, steel erection, concrete, excavating, and fleet services.

Sea Con, LLC

Issaquah, WA
 Rob Howie, Bob Power, Eric Reese, James Power, Tell Patton, Ben Blegen, Kyle Miller, Sean McCarty, Cristina Albu
www.seaconllc.com
 General contractor for PEMB, metal buildings, re-roof, over-roof, tenant improvements, etc.; subcontractor to general contractors, and PEMB supply.

Septagon Construction Company

Sedalia, MO
 Stace Anderson
www.septagon.com
 General contracting, design-build, reroof, and construction management.

Span Construction & Engineering, Inc.

Madera, CA
 Employee-owned
span.com
 Design-build general construction with integrated self-perform capabilities for the supply and erection of metal building systems. Serving industrial, commercial, aviation, and data center markets with scalable, program-driven solutions.

Stanker & Galetto, Inc.

Vineland, NJ
 Mark D'Onofrio, David D'Onofrio, Ethan Byler
www.stankergaletto.com
 Metal buildings, new construction, general contractor, cold storage construction, real estate development, and build-to-suit.

Steel Building Specialists, Inc.

Halethorpe, MD
 Gary Cearfoss
www.sbsmd.com
 Design/build general contractor specializing in pre-engineered metal buildings including retrofit and renovations.

Steel Vision Construction Inc.

Rigby, ID
 Michael Bressler
steelvisionconstruction.com
 Design and build of metal buildings.

SteelCan Building Systems Ltd.

Oshawa, ON
 Marc Versage
www.steelcan.ca
 Furnish and erect contractor.

Summit Building Solutions, LLC

Tallassee, AL
 Marvin E. Deen, Ken C. Williams
www.summitbuildingsolutions.com
 PEMB broker.

Sure Steel, Inc.

South Weber, UT
 Mark Carter, Jim Burwell
www.suresteel.build
 Supply and installation of structural steel, metal building systems, insulated metal panels, mass timber, and precast.

Svenska Builders Ltd.

Saskatoon, SK
 Alexander Carey
www.svenska.ca
 Metal building system, cladding & metal roofing install & bifold door installation.

Tarheel Building Systems

New Bern, NC
 Patrick Allen, Brent Gaskins
www.tarheelbuilding.com
 Design-build commercial construction, including pre-engineered buildings and retrofit roofing.

Tedesco Construction Services

Tonawanda, NY
 Justin Tedesco
www.tedescoconstruction.com
 Pre-engineered metal building contractor focusing on new construction.

The Sheridan Corporation

Fairfield, ME
 Daniel Wildes, Wilbur Ferland, Gilbert Thibeau
www.sheridancorp.com
 Design/build and construction management contractor focused on commercial, municipal, light industrial construction, greenfield, renovations, and Butler re-roofs.

Timeless Construction

Wilmington, NC
 Anthony Johnson
www.timelessco.com
 New construction of pre-engineered metal buildings.

Top Metal Building Contractors Company List

Total Building Solutions, LLC

Bourbon, MO
Sean Blum
www.totalbuildings.com

Commercial and industrial construction, specializing in pre-engineered metal buildings, and a self-performing contractor in the following scopes of work: structural concrete work, structural/miscellaneous steel, and pre-engineered metal buildings.

Trimak Building Systems

Plant City, FL
Kenneth McIntosh
www.trimarkbuildings.com
Metal building supply and/or erection, retrofit, metal roofing, and new construction.

United Enterprises Construction

Greencastle, PA
Steve Eby, Lyndon Horst
unitedenterprisesllc.com
Warehouse/flex buildings, re-roof, ministorage, industrial, commercial, renovations, general contracting, and post-frame wood construction.

Urban Construction Company

Wausau, WI
www.urbanconstructionco.com

Valor Contracting LLC

West Fargo, ND
Michael Gullickson
www.buildwithvalor.com
Design-build general contractor, metal building supply and erect, metal roofing and retrofit, and tilt-up concrete contractor.

Van Hoose Construction

Oklahoma City, OK
Jeff Van Hoose, Sydney Coon, Griffin Van Hoose
www.vhcon.com
General construction/construction management.

Veneklasen Construction

Grand Rapids, MI
Chris Veneklasen
veneklasenconstruction.com
Veneklasen Construction is a commercial general contractor serving Grand Rapids, Mich., and beyond for 50 years with design-build, steel erection, and facility maintenance services. We build metal buildings (conventional steel and PEMB) as well as wood-frame construction, renovations, and more.

VIP Structures, Inc.

Syracuse, NY
David Nutting, Meg Tidd, Kate Nutting
vipstructures.com
As a full-service design-build firm, we provide architecture, engineering, construction management, general contracting, and erection services for new buildings, additions, renovations, retrofits, and metal roof replacements.

W.K. Thomas and Associates

Butler, PA
Brent Thomas
www.wkthomas.net
We are a design/build general contractor specializing in pre-engineered metal building construction, retrofit, and metal re-roof.

Walker Design & Construction

West Palm Beach, FL
Pat Graham
www.walkerdesignco.com
Metal building contractor, metal fabricator, and erector.

Weaver Commercial Contractor Inc.

Dalton, OH
Employee-owned
www.weavercc.com
Metal buildings and design-build.

Yonkers Industries, Inc.

Orlando, FL
John Crescenti
yonkersinc.com
We are a PEMB builder, mostly constructing aircraft hangars.

RISE ABOVE THE ORDINARY



Achieve striking visual impact and long-term performance with Duro-Last® metal roof and wall panels in your next building design.



ENERGY-SAVING
TECHNOLOGY



LONG
LIFESPAN



LOW
MAINTENANCE



STRONG WEATHER
RESISTANCE



COST-EFFICIENT
INVESTMENT*

Learn the benefits of installing
Duro-Last metals: 800.248.0280

duro-last.com

 **DURO-LAST**
THE WORLD'S BEST ROOF®

Duro-Last is a brand of Amrize Building Envelope LLC.
"Duro-Last" and the "World's Best Roof" are trademarks in the Amrize portfolio.

*Compared to traditional asphalt roofing

 **AMRIZE**

Duro-Last is part of the Amrize family of brands

Top Metal Building Erectors Company List

BahnMiller Construction Inc.

Everett, WA
Kevin Bahnmiller
www.bahnmillerconstruction.com
Supply and erect pre-engineered steel buildings.

Baker Steel Erectors

Frederick, CO
Dustin Baker, Jodi Baker
bakersteelerectors.com
Baker Steel Erectors is one of the nation's leading steel erectors of PEMB buildings, retrofits, hybrid construction, and metal roofs for PEMB buildings.

Chestnut Oak Construction LLC

Heath, OH
Justin Snyder
chestnutoakllc.com
We erect and reroof metal buildings in Ohio and Indiana.

Continental Divide Builders, LLC

Lawrence, KS
Michael Taylor
continentaldividebuilders.com
Furnish and erect metal buildings for other builders.

Crossland Construction Company, Inc.

Columbus, KS
Ivan Crossland, Jr., Bennie Crossland, Mike Crossland, Curt Crossland, Patrick Crossland
www.crossland.com
Crossland delivers durable, cost-effective structures tailored to clients' needs across all market sectors. Whether it's ground-up construction, an expansion, or a roofing upgrade, we specialize in high-quality metal building solutions designed for precision, performance, and long-term value.

DD Construction

Centennial, CO
Justin Beall
www.ddcon.co
IAS AC478 metal building erector, specializing in heavy industrial, aviation, and mission-critical projects nationwide.

Epic Construction

Kieler, WI
Brad Bierman
www.epicgc.com
General contractor and metal building supplier/erector.

FED Corporation

Gladwin, MI
Brock Dennings
fedcorp.com
We are a full-service design-build general contractor that self-performs the supply and erection of pre-engineered metal buildings.

Fleming Steel Erectors

Tulsa, OK
Justin Willett
www.fse-ok.com
Furnish and erect PEMB, metal roofing, and reroof.

Foundation Steel

Swanton, OH
Charlotte Dymarkowski
www.foundationsteel.com
Furnish and install metal buildings, metal siding and roofing, structural steel, misc. metals and rebar.

G&D Erectors, Inc.

Avella, PA
Jeff Gordon
gderectors.com
G&D Erectors are experts in compressor buildings and pre-engineered buildings. Since 2009, we have specialized in compressor buildings for the oil and gas industry (Marcellus and Utica Shale formations).

HME, Inc.

Topeka, KS
Jon Haas
www.hmeinc.net
Metal buildings.

Jones Contracting, Inc

Albertville, AL
Russell Jones
jonescontractingal.com
Design-build, metal roofing and siding, concrete foundations and walls, steel buildings, and general contracting.

Maverick Steel, Inc.

Byers, CO
Tammi Williams, Ronnie Williams
mavericksteel.net
New construction of complete metal buildings.

Mericle Construction, Inc.

Wilkes-Barre, PA
Robert Mericle
www.mericle.com
Mericle Construction, Inc. is a privately-owned developer of industrial, flex, office, and medical space. We are an authorized Butler builder and have developed 30 million sf since our founding in Wilkes-Barre, PA, in 1986.

Native American Contracting LLC

Schertz, TX
Stanley Boyle, Stosh Boyle
nativeamericancontracting.net
General contracting, providing design-build service, and turnkey construction.

Otto Construction, LLC

Myrtle Beach, SC
TJ Otto
ottoconstructionsc.com
New construction PEMBs, retrofit roofs, hangars, and agricultural buildings.

Page Construction LLC

Senatobia, MS
David Page, Mandy Lamb
www.pageconstructionllc.com
New construction.

Precision Erection Company, Inc.

Russell Springs, KY
Stephen Branscum
www.pecinc.org
New pre-engineered metal buildings, new construction, and expansions.

PTL Fabricators

Clarksville, TN
Employee-owned
ptlfab.com
PTL Fabricators provides comprehensive metal construction and fabrication services for commercial and industrial clients. PTL's capabilities include the design and construction of pre-engineered metal buildings, metal roofing systems, structural steel fabrication, and full general contracting for new construction, expansions, and facility upgrades.

Steelworx

Groveland, FL
Stephanie van Rooyen, Vidette Steyl
www.steelworxusa.com
Steelworx specializes in the sale and erection of pre-engineered metal buildings. Their services include project estimating, supply and delivery of structural steel components (frames, wall and roof panels, insulation, and trim), and full construction support—from site coordination and crew management to installation and project completion.

Summit City Steel

South Whitley, IN
Jackson Wilcoxson, Troy Wilcoxson
scsteel.us
PEMB steel erection, metal roofing, crane services, and structural steel erection.

Thomas Phoenix Intl

Eastampton, NJ
Sean Smith, Eric Kay
www.thomasphoenix.com
Pre-engineered metal buildings, reroofs, retrofit, and new construction.

Trimark Building Systems

Plant City, FL
Kenneth McIntosh
www.trimarkbuildings.com
Metal building supply and erection, retrofit, metal roofing, and new construction.

Ultimate Steel Erection

Rexburg, ID
Kay Burrell
www.ultimatesteelerection.com
Supply and erect PEMB.



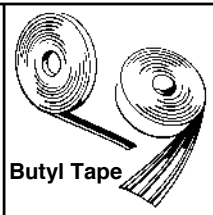

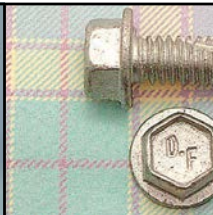













US Metal Builders, Inc.

Pleasant Hill, IA
Brandon Jensen, Brad Churchill, Craig Breitbach
www.us-metalbuilders.com
Metal buildings supply and erection, retrofit, new construction, and IMP installation.

DYNAMIC FASTENER

Everything for the Metal Builder & Roofer®



 <p>D-F DYNA-FLASH®</p>	 <p>Titebond The Stick & Squeeze!</p>	 <p>Butyl Tape</p>	 <p>D-F DROP-STOP®</p>	 <p>D-F SCREWS</p>	
 <p>KLEIN</p>	 <p>VISE-GRIP</p>	 <p>D-F METAL CUTTING BLADE</p>	 <p>D-F ULTRA-PREMIUM IMPACT-TESTED™ NUT RUNNERS</p>	 <p>D-F DYNA-CLAMPS®</p>	
 <p>METAL BUILDING CONTRACTORS & ERECTORS ASSOCIATION</p>			 <p>D-F RIVET BOSS®</p>	 <p>D-F DYNA-GUARD®</p>	

You supply the crew.
We'll supply the rest.®

CALL 800-821-5448 or Order Online @ DYNAMICFASTENER.COM
Call for your Free Full Color 140 Pg. Hand Guide. Better yet, call us for your next tool or fastener requirement. Discover for yourself why your peers enjoy doing business with our company!



This Is Not Your Grandpa's Metal Building

By Mike Pugach

PHOTOS COURTESY CHIEF BUILDINGS

Newsflash! The widespread use of metal buildings in low-rise commercial construction is far from a new phenomenon. The roots of the industry can be traced back to the early 1900s, but it really wasn't until after World War II that metal building systems began dotting the American landscape. As their use expanded over the next three decades, they largely remained aesthetically ... well, boring. They were intended to be utilitarian structures and deservedly earned the moniker "tin sheds." Their attractiveness was reduced to their practicality, driven by quick assembly, minimal skilled labor, and low lifecycle costs.

At that time, these buildings truly were "pre-engineered." Building codes were much simpler then, so manufacturers could create catalogs listing available standard-sized members selected from a

matrix that blended the desired building dimensions with the required snow and wind load capacities. As building codes evolved, manufacturers were forced to invest more into engineering and drafting to adapt, which opened the opportunity to offer a custom-engineered product for use in applications far beyond simple shade and shelter. Owners and building designers intrigued by the inherent benefits of metal buildings began pushing the boundaries like never before.

Over the past 35 years, the industry has undergone a major transformation. Advancements in engineering, design software, and manufacturing technology—combined with demand for speed, sustainability, and cost efficiency—have elevated expectations for how these buildings function while challenging the stigma of being "cheap-looking" by enhancing their form, as well. The modern-day metal building not only offers a blend of performance

and economy, but can also accommodate compelling geometry, a wide variety of complementary features, and a growing array of cladding options. They are increasingly sophisticated architectural solutions utilized in everything from corporate headquarters and higher education campuses to multi-purpose recreational facilities, aviation complexes, and everything in between.

The aesthetic renaissance of metal building systems

Metal panels remain a popular choice for building exteriors due to their durability, long lifespan, recyclability, and minimal maintenance requirements. This has spawned a growing range of metal wall and roof cladding selections. Though traditional through-fastened metal panels remain popular, higher-end projects increasingly incorporate concealed-fastener systems, horizontal panels, "flat" panels, or a blend of products. The strategic



Metal panels remain a popular choice for building exteriors due to their durability, long lifespan, recyclability, and minimal maintenance requirements.

use of reveals, horizontal banding, and varied panel modulation is increasingly common in high-end commercial projects. Advanced rollforming technology offers more rib profile options, and deep shadow lines can provide the visual interest

and distinctiveness many owners and designers are looking for.

Along with dozens of available panel profiles, the spectrum of colors and finishes offered today bears little resemblance to the limited, dull palettes

of the 1990s. High-performance coatings such as PVDF (Kynar 500/Hylar 5000) and FEVE (Fluoroethylene vinyl ether) provide long-term color retention, enabling bold architectural statements. Contemporary trends include matte/low-gloss finishes; metallic coatings; weathered steel aesthetics; and woodgrain, textured, and embossed surfaces.

Mixed-material treatments

Metal panels are far from the only option for high design. Masonry, precast/tilt-up concrete, and stucco have been common material choices for many years. However, there is an increasing trend toward integrating more natural elements, such as stone and reclaimed wood/mass timber accents, along with the more prevalent use of glass curtain walls—particularly when energy codes are driving daylighting requirements. Rainscreens are also increasingly popular. Contrasting and/or layering

THE INDUSTRYS GO-TO SOURCE FOR DOORS, WINDOWS, AND CANOPIES...ENGINEERED FOR METAL BUILDINGS

- Trusted by leading metal building manufacturers nationwide
- Over 20 years supplying the metal construction industry
- Single source for Steel walk doors, Glass storefront doors, Interior Woodgrain Doors, Windows, and Canopies



VISIT OUR WEBSITE OR CONTACT US FOR MORE INFORMATION AT:

GLOBALBUILDINGPRODUCTS.US
SALES@GLOBALBUILDINGPRODUCTS.US 574.296.6868



As metal buildings have gained popularity, the sheer amount of metal roof and wall claddings have also exploded.



materials creates depth and texture, while breaking the traditional monotony of homogenous, stale wall planes.

The industrial-modern aesthetic

It was not long ago that exposed framing was relegated to simple utilitarian

structures, but structural elements and industrial materials are now often intentionally integrated into the design. The popularity of adaptive reuse projects and loft-style interiors has elevated steel framing to a celebrated design feature. Painted or architecturally finished primary

members contribute to an industrial-modern aesthetic. Metal buildings naturally lend themselves to that.

There are, however, a few things to consider in these situations. The standard metal building columns and rafters are built-up three-plate tapered members. Since they are designed to be very light, stability and strength of webs and flanges are often achieved with flange braces, which can be intrusive and unsightly. If a clean look is desired, the building can be designed with uniform-depth (straight) columns and/or without column flange bracing.

Architectural roof forms and daylighting

Getting creative with roof lines has also become a popular trend. While the traditional low-sloping symmetrical gable frame shape remains preferred for its cost-effectiveness, varying roof configurations and slopes can be a simple way to create something more unique. Steeper roof slopes tend to draw more visual interest, especially with the crisp look of a vertical rib standing seam roof panel. Integrating clerestories or steps into the roof plane can bring natural light in without penetrating the roof, something to be avoided whenever possible. If the intent is to hide the roof, parapets can be provided relatively easily, either with framing supplied by the building manufacturer or with other materials, such as stud framing, masonry, or concrete. In situations with

Quick Veneer™

Congratulations Top 100!

Quick Veneer is the innovative building veneer that metal building contractors have been waiting for:

Quick Veneer...

- 4" thick precast concrete
- Quickly attached to the building girt
- Cost effective option compared to traditional masonry
- Giving the metal building contractor control of the building envelope

Quick...Simple...Strong...

Contact Us Today | www.quickveneer.com | (402) 443-4999

The modern-day metal building offers a combination of performance and economy.




Defying stigmas

Designers of high-end non-residential projects are choosing metal buildings because they combine structural efficiency, construction speed, and cost control with aesthetic flexibility that also align with brand identities, support overall design intent, foster architectural freedom, and comply with community covenants.

Those interested in learning more about the capabilities, efficiencies, and limitations of metal building systems can access a wide range of educational resources from manufacturers, industry organizations, and technical publications. One of the most reliable ways to obtain accurate information is to work with contractors who specialize in metal building construction and are associated with a company that is a member of the Metal Building Manufacturers Association. MBMA-affiliated companies adhere

to established engineering standards and contribute to extensive research, design guides, and best practices that help ensure quality and performance in metal building construction.

These manufacturers often provide design manuals, continuing education programs for architects, project case studies, and direct consultation with experienced engineers who specialize in metal building systems.

By leveraging the expertise and technical resources of MBMA members, contractors, architects, and owners can better evaluate how metal building systems can meet project goals related to cost efficiency, structural performance, energy efficiency, and architectural flexibility, while also understanding when alternative construction methods may be more appropriate. 

a long, continuous roofline, the parapet can be stepped or, if desired, sloped. (Note: Parapet walls at the low side of a building will invite drainage challenges.)

Mike Pugach is the general sales manager for Chief Buildings.



Still buying factory panels instead of running your own?

Increase your ROI with the SSQ3™ MultiPro. The tool for the job.



Time-tested and true since 1991.



newtechmachinery.com



sales@newtechmachinery.com



1.800.574.1717



Vacuum Lifters: The Future of IMP Installation

By Barry Wood

PHOTOS COURTESY WOOD'S POWR-GRIP

Installing insulated metal panels (IMPs) has become a cornerstone of modern commercial and industrial construction. From distribution centers and manufacturing plants to cold storage facilities and architectural facades, IMPs offer a high-performance building envelope that combines insulation, a vapor barrier, and a finished surface into a single component. However, as panels grow longer, thicker, and heavier, the need for safer and more efficient handling methods becomes critical. This is especially true with the advent of fire-rated cores and architectural finishes.

Vacuum lifters engineered for IMP applications have transformed how contractors approach installation. Purpose-built equipment allows crews to lift, position, and secure panels with greater control, improved jobsite safety, and reduced risk of damage.

The challenge of installing IMPs

IMPs are engineered systems, as each panel typically consists of two metal facings bonded to an insulating foam core, such as polyisocyanurate (polyiso). While this design delivers superior thermal performance and an airtight seal, it also creates unique handling challenges:

- Long panel lengths that can exceed 12 m (40 ft).
- Heavy weights, especially with thicker cores or fire-rated assemblies.
- Surfaces that need to stay unblemished throughout installation.
- Tight tolerances for alignment and joint engagement.

Traditional handling methods, such as slings, spreader bars, or manual manipulation can introduce bending stress, surface damage, or safety hazards. Panels may flex excessively if unsupported along their length. Slings can dent or crease finished skins, while manual handling increases the risk of

strain, injuries, and hazards associated with dropped panels.

As IMPs continue to grow in commercial construction, contractors are turning to vacuum lifting systems for even load distribution and non-penetrating attachments.

Why vacuum lifters are ideal for IMPs

Vacuum lifters use suction pads connected to a powered vacuum system that creates negative pressure between the pad and the panel surface. When properly applied, the system distributes lifting forces evenly across the contact area, reducing point loads and minimizing flex.

For IMP installation, this technology offers several key advantages:

Surface Protection

Since vacuum pads grip without hooks, clamps, or penetrating fasteners, they protect architectural finishes and factory-applied coatings. This is particularly



When used correctly, vacuum lifters provide a secure grip on smooth, coated metal surfaces.

important for visible facades or high-end architectural projects.

Improved load control

Vacuum lifters allow operators to rotate, tilt, and precisely position panels during installation. This makes it easier to align panel joints, engage tongue-and-groove connections, and maintain consistent reveals.

Enhanced safety

Modern vacuum lifters incorporate vacuum monitoring systems, audiovisual alarms, and reserve capacity to maintain grip even if power is interrupted. These features significantly reduce the risk of dropped loads.

Increased efficiency

With a dedicated IMP lifter, smaller crews can install panels more quickly. Reduced manual handling lowers fatigue and speeds up installation cycles.

Purpose-built solutions

While generic vacuum lifters exist, IMP installation demands specialized engineering. Certain manufacturers have developed models specifically for IMPs, offering dramatic improvements over other vacuum lifters when used for IMP applications.

These lifters are designed to handle:

- Long horizontal wall panels.
- Vertical wall installations.
- Roof panels at various pitches.
- Heavier architectural panels.

Certain models also accommodate heavier, fire-rated IMPs that have increased in popularity due to stricter building codes. Fire-rated panels often weigh significantly more than standard polyiso-core panels, requiring greater lifting capacity and rigidity.

By incorporating adjustable pad frames, advanced wireless cell phone integration, and remote-control operation, these



THE PINE HILL MATERIAL SERIES

For unmatched performance in material transport with complete remote-controlled functionality

FEATURES

Wireless Remote-Controlled | Sliding Straps
Tongue & Tail Extension | Dexter Torflex Axles
Center Tie-Down Rail | 12V Hydraulic System
Disc Brakes | Hydraulic Jack | Corsol Corrosion Solutions (field-proven corrosion protection)

ADD-ONS & UPGRADES

Sideway Wheels | Aluminum Wheels
Gooseneck | **Truss Package**

SMART ROLLERS MEANS SMARTER HAULING — UNLOAD WITH ONE PERSON, ZERO HASSLE.



PLUS AN ALL-NEW TRUSS UPGRADE



Hauls Trusses Up to 70'

717.288.2443 | 5140 MARTIN DRIVE, GAP, PA 17527 | PINEHILLTRAILERS.COM

Proper handling during installation is the first line of defense in preserving panel integrity.



lifters allow operators to safely maneuver large panels from delivery trucks to final placement with minimal repositioning.

Safer and more efficient handling on today's jobsites

Recent industry discussions have emphasized both productivity and workforce safety. Labor shortages and increasing project timelines mean contractors must do more with fewer crew members. Vacuum lifting systems address both concerns.

Using IMP-specific lifters:

- Reduces the number of workers required to guide and install panels.
- Minimizes the need for workers to climb or reach excessively.
- Decreases risk of musculoskeletal injuries.
- Improves installation precision.

This shift aligns with broader construction safety initiatives that prioritize mechanical handling solutions over manual labor whenever possible.

Further, since vacuum lifting reduces the likelihood of panel damage during installation, vacuum lifters represent a high-value component of erecting building envelopes. Damaged panels can cause costly delays, reorders, and scheduling conflicts. By providing uniform support, vacuum lifters help protect that investment.

Protecting panels during construction

Panel protection does not end once the IMP is secured in place. Throughout construction, supporting trades can inadvertently dent or scratch exposed surfaces. Proper handling during installation is the first line of defense in preserving panel integrity.

Vacuum lifters contribute to this protection by:

- Eliminating sling contact marks.
- Reducing bending stress that can cause subtle deformation.
- Maintaining clean surfaces that are free of clamp impressions.

When combined with proper site coordination and protection protocols, vacuum handling helps maintain the aesthetic and performance characteristics of the building envelope.

Supporting the future of IMP construction

The IMP market continues to evolve. Panels are becoming more sophisticated, incorporating enhanced fire resistance, integrated solar systems, and improved energy performance. As building codes tighten and sustainability goals increase, IMPs are playing a larger role in energy-efficient construction.

Handling equipment must evolve in parallel. Manufacturers have recognized this shift and invested in specialized lifters tailored to emerging panel technologies. Whether lifting heavier fire-rated panels or maneuvering roof panels designed to accommodate rooftop solar installations, purpose-built vacuum systems ensure that installation methods keep pace with product innovation.

Additionally, vacuum lifting technology is adaptable. Modular pad configurations allow contractors to handle varying panel contours, widths, and lengths without purchasing entirely new systems. This flexibility is particularly valuable for contractors who install both wall and roof panels across multiple project types.

Training and proper use

As with any lifting equipment, proper training is essential. Operators must understand:

- Surface conditions required for vacuum sealing.
- Inspection protocols for vacuum pads and seals.
- Load limits and configuration adjustments.
- Emergency procedures.

When used correctly, vacuum lifters provide a secure grip on smooth, coated metal surfaces. Regular inspection



Vacuum lifters engineered for IMP applications have transformed how contractors approach installation.

A competitive advantage for contractors

Contractors who invest in IMP-specific vacuum lifters often find they gain a competitive edge. Faster installation times, improved safety records, and reduced material damage translate directly into cost savings and improved project margins.

In competitive bid environments, demonstrating the use of specialized equipment can also instill confidence in general contractors and building owners. It signals a commitment to safety, quality, and efficiency.

As IMPs continue to increase in size and weight, mechanical handling will become less optional and more essential. The days of manually guiding large wall panels into place are giving way to precision-engineered lifting systems.

and maintenance of vacuum pumps, hoses, and monitoring systems ensure continued reliability.

The bottom line

Installing IMPs demands more than just cranes and a workforce. It requires

precision, protection, and safety at every stage of handling. Vacuum lifters, with flexible configurations and advanced technological features, offer a modern solution to modern construction challenges.

By evenly distributing loads, protecting finished surfaces, and enabling controlled placement, these systems enhance both safety and efficiency. As IMP usage expands across commercial, industrial, and architectural markets, purpose-built vacuum lifting technology will continue to play a central role in successful installations.

Specialized vacuum lifters are crucial for contractors who want to simplify installations, safeguard materials, and uphold strong safety practices. These tools are indispensable for advancing insulated metal panel construction. **IMP**

Barry Wood is the VP of marketing and commercial development for Wood's Powr-Grip.

CUT. BEND. FINISH.

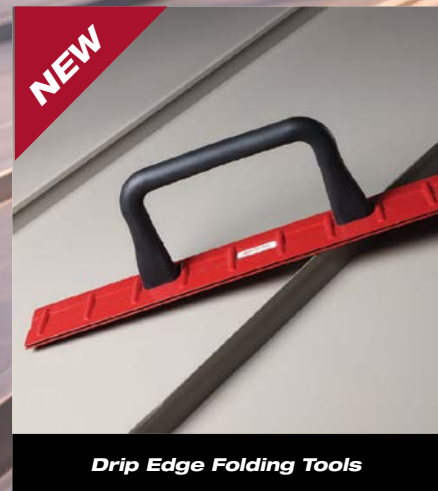
Purpose-built tools for metal roofing.



TurboShear® Rotary Panel Cutter



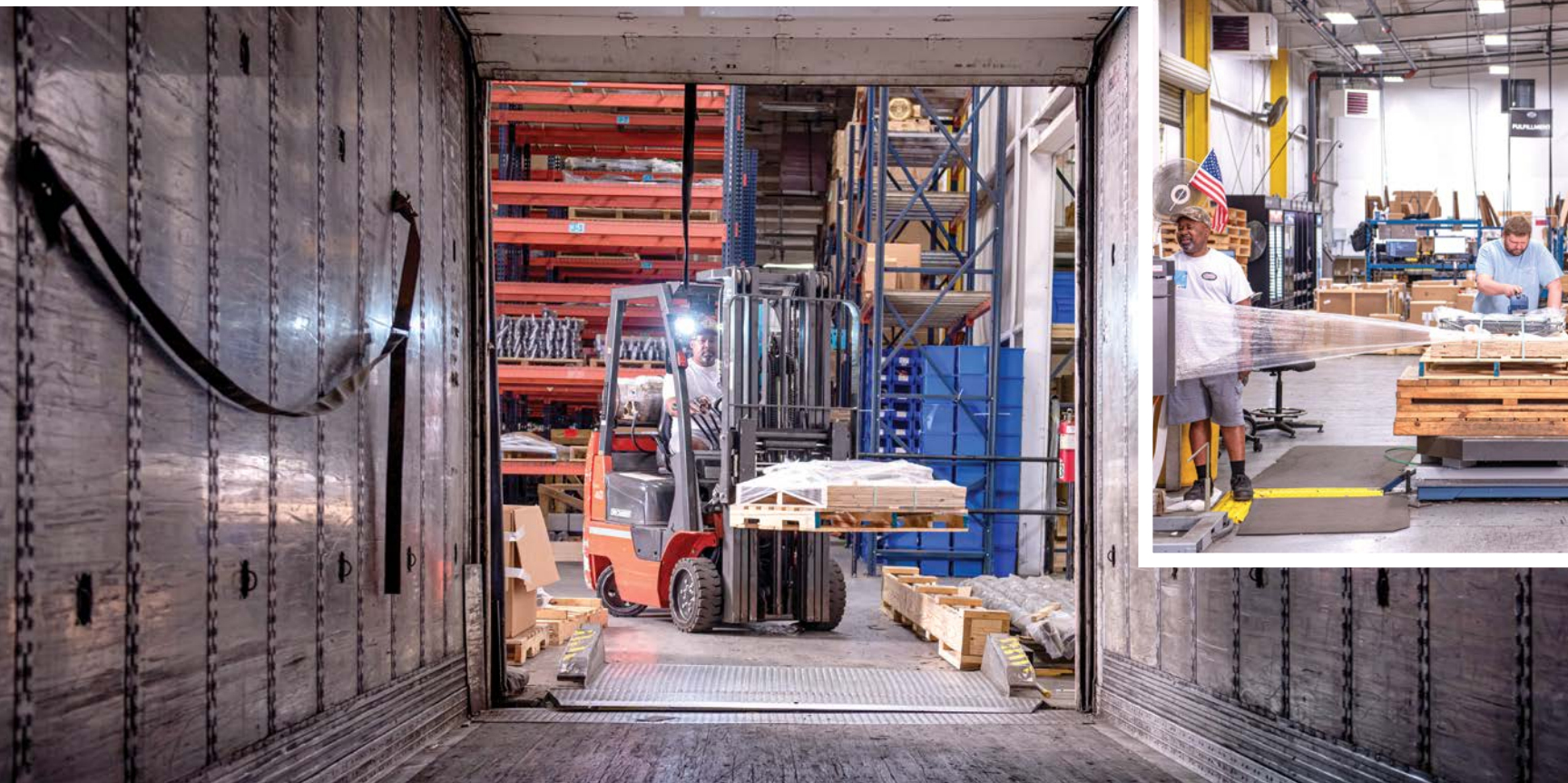
Power Assisted Standing Seam Seamer



Drip Edge Folding Tools



Find More Online
malcotools.com



Why Pressure Spikes Are Destroying Your Material Handling Equipment

By Daniel Strati

PHOTOS COURTESY BAILEY INTERNATIONAL

Hydraulic systems in material handling equipment are designed to transmit large forces reliably and efficiently. However, even well-designed systems can experience transient pressure events that significantly exceed normal pressure levels. These short-duration spikes are often invisible to operators but can accelerate component fatigue and damage sensors.

Understanding how these pressure transients happen is critical to protecting both performance and reliability.

What are pressure spikes?

A pressure spike (often referred to as hydraulic shock or “water hammer”) is a transient pressure increase caused by a rapid change in fluid velocity. When a moving load or fluid column is abruptly decelerated, its kinetic energy must be

dissipated. In a hydraulic circuit, that energy is temporarily converted into pressure energy.

For example, when a loaded boom is stopped suddenly or a directional valve shifts rapidly under load, fluid momentum in the lines is forced to change direction or velocity almost instantaneously. Because hydraulic fluid has a high bulk modulus (low compressibility), even small changes in volume or velocity can produce large pressure transients.

Field measurements have shown that transient pressures can reach much higher than the system’s steady-state working pressure, depending on:

- System stiffness (fluid bulk modulus plus hose/tube compliance)
- Line length and diameter
- Valve shift speed
- Load inertia
- Presence of entrained air
- Return line restrictions

These events may last only milliseconds, but that is sufficient to deform sensor diaphragms and stress seals.

Why standard protection fails

A common assumption is that system relief valves will protect against pressure spikes. In reality, relief valves are designed to regulate average or steady-state system pressure, and *not* high-frequency transient waves.

Hydraulic shock waves propagate through fluid at the speed of sound in oil (approximately 3,500–4,500 ft/s depending on conditions). Mechanical relief valves require time to overcome spring preload and shift the poppet or spool. By the time the valve begins to open, the transient may have already peaked and dissipated.

Relief valves are also limited by flow capacity, so a pressure spike caused by rapid deceleration may involve very little fluid volume but extremely high instantaneous pressure. The valve cannot react quickly enough to eliminate the initial peak.

Pressure spikes are not simply a byproduct of heavy operation—they are a function of system dynamics.

In modern material handling equipment, where hydraulics and electronics operate together, managing transient behavior is essential to long-term reliability.



Decompression shock and return line dynamics

Pressure spikes are not limited to sudden stops. Rapid unloading of high-pressure fluid into a low-pressure return path can also create damaging transients.

When a large cylinder retracts quickly, or a directional valve shifts from high pressure to the tank, stored hydraulic energy is released abruptly. If the return line is undersized or restrictive, reflected pressure waves can travel upstream, increasing stress on components.

The layout of the system plays a significant role. Long, rigid pipes increase wave reflection and reduce damping, while flexible hoses introduce compliance that can help absorb transient energy.

Air and cavitation

The condition of the circulating fluid significantly influences transient behavior. Entrained air reduces the fluid's effective bulk modulus, increasing its compressibility. While this may appear to soften the system, it often leads to oscillatory pressure behavior and rebound effects that amplify peak-to-peak transient amplitudes.

Cavitation, the formation and collapse of vapor bubbles, introduces localized shock events when bubbles implode under pressure recovery. This can damage surfaces and exacerbate pressure instability.

Solutions

Effective mitigation requires a combination of mechanical design, hydraulic tuning, and control strategy.

Controlled deceleration and valve shift management

Peak pressure is strongly influenced by deceleration time. The faster the change in velocity, the higher the resulting transient pressure.

Soft-shift solenoid valves and proportional metering valves allow gradual flow reduction rather than abrupt flow reduction. Extending stopping time, even by a small fraction of a second, can significantly reduce peak transient pressure.

In electronically controlled systems, valve timing and ramp profiles should be tuned to match load inertia.

The role of accumulators

Gas-charged accumulators can absorb sudden changes in fluid volume and flatten pressure peaks. When properly sized and located near the transient source, an accumulator acts as a hydraulic shock absorber.

Critical considerations include proper pre-charge pressure, sufficient volume for transient absorption, and installation location relative to the shock source.

Accumulators are particularly effective in high-inertia applications where abrupt load interaction is unavoidable.

Cross-port relief and anti-hock valves

In mobile applications, cross-port relief valves at motors or cylinders provide localized protection against load-induced pressure spikes. These devices respond more directly to dynamic load conditions than main system relief valves.

Protection of sensitive electronics

Pressure transducers and electronic controls are especially vulnerable to high-frequency transients. Repeated shock loading can cause diaphragm fatigue or zero shift.

Installing pressure snubbers or dampers between the system and the sensor reduces exposure to high-frequency pulses. It is important to note that snubbers protect sensors—they do not eliminate system pressure spikes.

System stiffness and layout considerations

Transient magnitude is directly influenced by system stiffness, which is a function of:

- Fluid bulk modulus
- Hose vs. rigid tubing compliance
- Structural flexibility
- Entrained air content

Strategic use of hose sections, proper pipe support, and avoidance of unnecessarily long rigid runs can reduce reflected pressure waves and peak amplitudes.

Designing for reliability


Off-the-shelf solutions rarely withstand the unique rigors of specialized material handling applications.

Pressure spikes are not simply a byproduct of heavy operation—they are a function of system dynamics. Proper hydraulic design integrates:

- Controlled deceleration strategies
- Adequate return line sizing
- Localized shock protection
- Fluid conditioning
- Sensor protection
- Intelligent electronic control tuning

In modern material handling equipment, where hydraulics and electronics operate together, managing transient behavior is essential to long-term reliability.

Pressure spikes may occur in milliseconds, but their cumulative effect can lead to premature failures, downtime, and costly repairs.

Engineering for controlled energy transfer, rather than abrupt momentum changes, is the key to building resilient hydraulic systems. 

Daniel Strati is the sales applications manager for Bailey International.



The Expanding Role of Insulated Metal Panels

By Jessica Lowe Hall

PHOTOS COURTESY RAPID BUILDING SOLUTIONS

Modern construction increasingly includes facilities designed to support specialized operating environments. Refrigerated distribution centers that protect perishable goods and data centers that power cloud computing and digital services are two examples of buildings that carefully manage temperature, humidity, and airflow to support the systems and products inside them.

These projects fall into the specialized field of controlled-environment construction, where building assemblies must support facility performance. Insulated metal panels (IMPs) are often used because they combine exterior cladding and insulation into a single system.

While IMPs are installed in many types of commercial construction, their

role becomes especially important in buildings tied to global supply chains and digital networks.

Supporting the global cold chain

One of the most evident examples of controlled environment construction is the cold chain—the temperature-controlled network used to store and transport perishable goods such as food, vaccines, and pharmaceuticals.

Cold storage warehouses and refrigerated distribution centers must maintain strict temperature ranges throughout daily operations. Because of this, the performance of the building enclosure plays an important role in facility design. Wall and roof systems must limit heat transfer while providing durable protection in demanding environments.

IMPs are commonly used in these facilities because they combine insulation

and exterior cladding into a single system. Installed across large wall areas, these panels contribute to the thermal performance required for refrigerated storage and processing operations.

As global demand for temperature-controlled logistics grows, cold storage facilities have grown in size and complexity, underscoring the importance of reliable building systems.

Data centers and digital infrastructure

While the cold chain supports the movement of physical goods, another rapidly expanding sector is the global flow of digital information.

Data centers house servers and networking equipment that power cloud computing, financial systems, artificial intelligence platforms, and many of the digital services used by businesses and



Many facilities that rely on IMPs operate largely out of public view, yet they play an essential role in everyday life.



Insulated metal panels are often used because they combine exterior cladding and insulation into a single system.

PHOTO © BALONCICI/GETTY IMAGES

consumers every day. These facilities generate significant heat and must operate continuously, making environmental control essential for reliable performance.

Modern data centers are often developed as large campus-style projects designed to support extensive mechanical and electrical infrastructure. Building systems used in these facilities must accommodate both operational reliability and the scale of construction required for these projects.

Panelized wall systems are sometimes incorporated into data center construction because they can support thermal performance while helping contractors manage large building footprints and complex construction schedules.

Construction efficiency at an industrial scale

Large controlled-environment facilities frequently have building footprints measured in the hundreds of thousands of square feet. At this scale, construction sequencing can significantly influence project timelines.

Traditional wall assemblies require multiple materials installed separately, including framing, insulation, air barriers, and exterior cladding, often involving several trades. In contrast, panelized systems combine several of these components into a single product, reducing installation steps and simplifying coordination on the jobsite.

For facilities where project schedules are closely tied to operational startups, including distribution centers, production environments, and data centers, construction efficiency can be particularly valuable. Completing the building enclosure sooner allows mechanical, electrical, and interior systems to be installed earlier, helping project teams keep large projects moving forward.

Structural panel systems for large spans

Large industrial facilities often require wide structural spans to accommodate storage systems, production lines, or specialized equipment. Multiple metal panel systems are sometimes used together to meet both structural and performance requirements.

Structural insulated roof and wall panels can be incorporated into projects that require long clear spans while integrating insulation across large areas of the building. These systems can reduce the need for additional framing while supporting energy-efficient building design.


Green Span Profiles, a joint venture with McElroy Metal, manufactures structural insulated panel systems designed for commercial and industrial construction. These systems are frequently used in projects where long

spans and integrated insulation are important design considerations.

A growing role in modern construction

Many facilities that rely on IMPs operate largely out of public view, yet they play an essential role in everyday life. Buildings that support the storage and movement of goods, as well as the digital systems that power commerce and communication, depend on construction methods capable of supporting specialized operating environments.

As demand continues to grow for cold storage capacity, advanced manufacturing facilities, and digital services, controlled environment construction will remain an important segment of the building industry.

IMPs contribute to many of these projects by enhancing building performance, improving construction efficiency, and meeting the operational needs of modern facilities. 

Jessica Lowe Hall is the corporate marketing manager at McElroy Metal with more than 28 years of experience in marketing and communications. She leads content strategy and educational initiatives that support the metal construction industry, with a focus on contractor success, product understanding, and long-term building performance. Her work centers on making technical information accessible and actionable for industry professionals.



The New Standard of the Building Envelope

By Jami Spice & David Martin

PHOTOS COURTESY EXCEPTIONAL METALS

The building's roof is no longer viewed as a mere "weather cap" but as a critical, high-performance component of the building envelope. As owners, designers, and contractors pursue net-zero energy targets and place greater emphasis on life cycle cost analysis, metal roofing has emerged as the definitive standard. By utilizing a full-system approach, professionals can bridge the gap between architectural vision, long-term sustainability, and superior building envelope performance.

The environmental toll of the status quo

Traditional steep-slope roofing materials carry a significant environmental

burden. According to the Environmental Protection Agency (EPA), roofing materials account for millions of tons of construction and demolition debris annually, with asphalt shingle tear-offs contributing an estimated 11 million tons per year.¹ Additional material waste is generated through installation scrap and manufacturing processes.²

In contrast, metal roofing systems are fully recyclable at the end of their service life. Steel and aluminum panels can be reclaimed and reintroduced into the manufacturing stream, supporting circular material practices. Properly engineered and installed metal roofing systems commonly provide service lives of 40 to 60 years, depending on the environment and proper maintenance.

These systems are designed with longevity

and recyclability in mind, reducing replacement frequency and minimizing long-term environmental impact.

Passive first: A smarter path to net-zero

Achieving net-zero energy performance requires reducing energy demand before adding renewable generation. This "passive first" strategy prioritizes envelope performance.

To achieve net-zero goals—where a building produces as much energy as it consumes—the "passive first" hierarchy should be prioritized.

- **Thermal reflectance and solar control:** Metal roofing systems with high-performance Polyvinylidene fluoride (PVDF) coatings can achieve high solar reflectance values. When tested



In contrast to traditional materials, metal roofing systems are fully recyclable at the end of their service life.

in accordance with ASTM E1980, *Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-Sloped Opaque Surfaces*, these systems can reach high Solar Reflectance Index (SRI) values, which may reduce rooftop surface temperatures and cooling loads in certain climate zones.^{3,5}

Additionally, research published by the EPA and national laboratories, including Oak Ridge National Laboratory and Lawrence Berkeley National Laboratory, demonstrates that cool roofing technologies can lower peak cooling demand and improve energy efficiency in appropriate applications.^{3,4}

- **Certification and compliance:** High SRI roof assemblies may contribute to LEED v4.1 and emerging v5 credits related to Heat Island Reduction and optimized energy performance, depending on overall project design and documentation requirements.
- **Systemic integrity:** Envelope efficiency is determined not only by panel performance but by detailing. By focusing on interface details and providing factory-fabricated trims and underlayments, it helps reduce thermal

ADVANCED ARCHITECTURAL

SHEET METAL & SUPPLY

We service your needs with consistent quality, workmanship and knowledge

It's part of the reason customers come back to us time after time.

Maximize your profits by decreasing your inventory.

Reduce man hours - let us fabricate, you install.

98% of our American-made products are made-to-order and are manufactured inhouse.

Our products are made from domestic metal and custom crafted to your specifications.

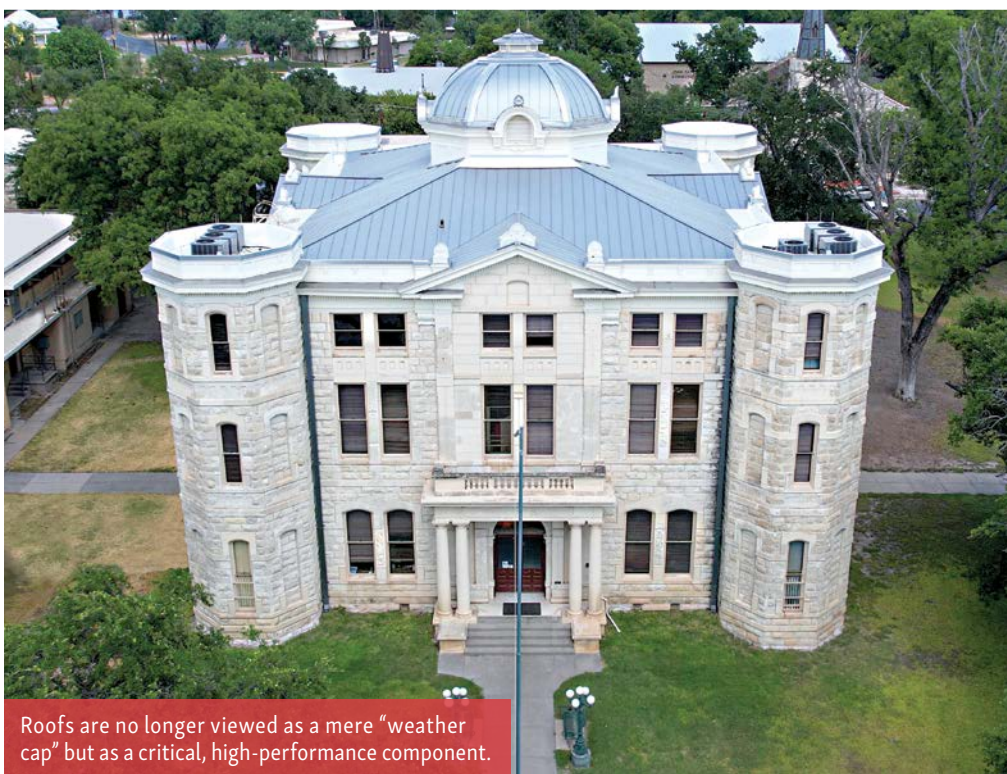
Contact us today to see how we can streamline your process and maximize your profits!

(231) 861-0050 | info@advarchsm.com | www.advarchsm.com





Properly engineered and installed metal roofing systems commonly provide service lives of 40 to 60 years.



Roofs are no longer viewed as a mere “weather cap” but as a critical, high-performance component.

bridging—the silent “energy leaks” often found at roof edges and transitions.

Life cycle cost analysis: Shifting the value conversation

While metal roofing systems typically carry a higher initial investment than asphalt-based systems, a life-cycle

cost analysis shifts the evaluation from the initial investment to the total cost of ownership.

ASTM E917, *Standard Practice for Measuring Life-Cycle Costs of Buildings and Building Systems*, provides a standardized methodology for measuring the economic performance of buildings

and building systems over time.⁵ When evaluated over a 40- to 50-year period, metal roofing systems often demonstrate measurable advantages:

- Reduced replacement cycles
- Lower disposal costs
- Potential energy savings in appropriate climates
- Reduced maintenance frequency
- Retained scrap value at end of service life

Additionally, many metal roofing assemblies achieve Class A fire ratings and may qualify for Class 4 impact resistance ratings when tested under UL (Underwriters Laboratories) 2218, *Impact Resistance of Prepared Roof Covering Materials*. These classifications may influence risk assessment and insurance considerations, depending on jurisdiction and insurer policy.

Vertical integration: A risk mitigation strategy

The primary failure points in roofing are almost always traced back to poor detailing or inconsistent materials. The primary method to help mitigate these




As the industry pursues net-zero energy targets and places greater emphasis on life cycle cost analysis, metal roofing has emerged as the definitive standard.

risks is through a vertically integrated manufacturing model. By providing every necessary trim and accessory factory-fabricated, it ensures systems are engineered to meet aesthetic requirements and the documented safety required by building standards.

Project intake quick check

Before reaching out for a takeoff request, ensure you have the following information ready:

- **Project location:** Critical for wind-load and snow-load calculations.
- **Roof slope:** Determines which panel profile is most appropriate.
- **Substrate type:** Wood, metal deck, or over existing material.
- **Warranty requirements:** Standard vs. single source) 

Jami Spice serves in architectural business development and David Martin serves as director of metal business development with Exceptional Metals.

ARTICLE SOURCES

¹U.S. Environmental Protection Agency. Sustainable Materials Management:

Construction and Demolition Materials. <https://www.epa.gov/smm/sustainable-management-construction-and-demolition-materials>

²General Kinematics. The Asphalt Shingle Recycling Process. <https://www.generalkinematics.com/blog/asphalt-shingle-recycling-process/>

³U.S. Environmental Protection Agency. Estimating the Effect of Using Cool Coatings on Energy Loads and Thermal Comfort. https://19january2017snapshot.epa.gov/heat-islands/estimating-effect-using-cool-coatings-energy-loads-and-thermal-comfort-residential_.html

⁴Oak Ridge National Laboratory; Lawrence Berkeley National Laboratory. Research on Cool Roofing and Energy Performance. <https://www.ornl.gov/> <https://www.lbl.gov/>

⁵ASTM International. ASTM E1980, *Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-Sloped Opaque Surfaces*. <https://store.astm.org/e1980-11r19.html>

⁶ASTM International. ASTM E917, *Standard Practice for Measuring Life-Cycle Costs of Buildings and Building Systems*. <https://store.astm.org/>

WOOD'S POWR-GRIP
WPG.COM

When Panels Go Up, Risk Shouldn't.



Lift Smarter. Install Faster. Work Safer—with WPG Vacuum Lifters

- Engineered for insulated metal panel installation
- Help crews move faster with fewer people
- Maintain safety without compromise
- No slings required
- No guesswork involved
- Deliver controlled, confident lifts—every time

Get the right lifter for your next install

WPG.com
(800) 548-7341



ON YOUR TEAM
When You Lift, We Lift With You.



A New Roof for a Renewed Dream Home

For decades, the mention of a metal roof conjured a very specific image: the rhythmic, corrugated galvanized steel of an old barn or the flat, industrial standing seams of a commercial warehouse. While functional, these roofs were often viewed as necessities rather than architectural assets. Homeowners seeking a refined aesthetic almost exclusively turned to asphalt shingles, wood shakes, or slate.

However, a quiet revolution is taking place on the American roofline. The introduction of incognito metal is challenging the long-held belief that a homeowner must choose between the legendary durability of steel and the classic, textured appearance of traditional materials. Today's modern metal roofing

is undergoing an aesthetic evolution, proving that homeowners can, in fact, have both the substance and style of metal.

The "incognito" revolution: Beyond the corrugated sheet

A desire for style and durability has driven the shift toward residential metal roofing. However, the primary barrier to adoption has historically been the industrial look.

To bridge this gap, manufacturers have moved toward reimagining the style of typical metal roofing. Through advanced stamping and coating technologies, metal is now being fabricated to mimic the shadows, depths, and textures of traditional shingle options. This allows

homeowners in traditional neighborhoods or historic districts to enjoy the performance benefits of a premium material without their homes looking like structural outliers.

An example in the Carolinas

American Home Contractors set out to replace the roof of a local North Carolina resident's dream home that would meet the need for both aesthetics and resilience.

When a local homeowner and his wife purchased their home in Wilmington, N.C., they were drawn to its distinctive architecture and charm, but quickly found the original roof was in desperate need of replacement, leaving the



homeowners in search of a new, durable solution that could match the home's coastal look and feel, while helping to protect against the region's intense weather conditions.

Durability in a coastal climate

Coastal North Carolina experiences severe weather year-round, including frequent hurricanes, heavy rain, and high winds. The homeowner was looking for an alternative to an asphalt roof that is durable and matches the growing aesthetic of metal roofs lining the coastal region.

American Home Contractors opted to use a metal roofing system designed to help protect roofs from the elements. This option provided the homeowner the versatility they were looking for with durable protection and unmatched style.

A key component of the system is the full-deck, peel-and-stick leak barrier underlayment, which provides a secondary layer of protection. A proprietary leak barrier helps prevent leaks caused by wind-driven rain, giving homeowners in harsh-weather regions some additional peace of mind.

A natural fit for design

The home features a unique coastal Carolina design, painted in a soft blue, with gray accents and dark shutters, which called for a roofing system that would complement and enhance its curb appeal. Having previously featured dark bronze standing seam metal accents over the garage and architectural eyebrows, the homeowners were drawn to a dark bronze color option.

"Many homes in our area go with light gray or black, but the dark bronze stood out to us because of how it shifts color throughout the day," shared the homeowner. "In the afternoon, it looks darker. In full sun, it brings out the bronzy richness. It's subtle, but it's bold."


Thanks to the system's aesthetic versatility and eight available colors, the homeowners found a roofing color that seamlessly blended with their coastal Carolina-style home.

By selecting a shade that harmonized with their exterior accents, the homeowners enhanced the home's curb appeal and preserved the unique character of their property. The roofing system's design, which mimics the classic look of wood shake or dimensional shingles, is offered a range of color

options, allowing the homeowners to find their perfect match without altering the rest of the home's accents.

One unified system for lasting impact

The decision to install the metal roof system extended beyond selecting the metal shingles themselves. The homeowners opted for a comprehensive, full-system installation that included a proprietary pipe boot flashing. This upgrade replaced traditional PVC pipe boots with a streamlined, durable alternative. The flashing is fully encased in metal, offering strong protection for roof penetrations and reducing common issues such as fading, weathering, or animal damage associated with conventional spray-painted plastic boots. Available in a variety of colors and integrated with components of the roofing system, these pipe boots are also eligible for enhanced limited warranty coverage for manufacturing defects and misapplication.

For the homeowners, this project represented a long-term investment in their property. They were pleased to have found a solution that delivered both aesthetic appeal and excellent durability. 

— With files from GAF



Fire-Rated, Field-Tested: The Case for Metal Roofing

By Mike Weis

PHOTOS COURTESY DREXEL METALS

According to the National Interagency Fire Center, as of March 2026, 12,979 wildfires have burned across the United States—surpassing totals from the same period in 2025.

The upward trend in wildfire occurrences and intensity is a significant concern for homeowners, businesses, and insurance companies. These natural disasters threaten human life and, like a wrecking ball, leave a blazed trail of billions of dollars in property damage. But contractors, designers, and aligned professionals can deliver peace of mind that a project will withstand the destructive forces of wildfires by selecting materials and building systems that have proven to be fire-resistant.

While there are many ways to improve a property's wildfire resistance, metal

roofing systems are an efficient and effective strategy to create a more resilient structure, especially when the system has been tested and certified with a Class A fire rating.

What does a Class A fire rating mean?

A Class A fire rating is the highest grade a building material can receive under Underwriters Laboratories (UL) 790. While other testing standards quantify a material or system's ability to defend against fire, this standard is most appropriate for exterior roofing materials, as it measures fire resistance from numerous sources to quantify how these materials can protect occupants and limit the spread of a wildfire.

UL 790 categorizes materials into three classes, A, B, and C, depending on their ability to resist flame exposure, limit the

spread of flames, and resist embers. As the highest rating, Class A materials can:

- Resist intermittent flame exposure for 15 cycles
- Allow less than 1.82 m (6 ft) of fire spread across its surface
- Resist embers and smoldering debris
- Reduce the number of embers made if ignited

UL 790, when applied to exterior applications, focuses on slowing the spread of fire and minimizing smoldering and flying embers if ignited. Both parts of the rating requirements not only help resist wildfire damage but also help slow and contain wildfires.

The dangers of wildfires encompass more than flames

The damage wildfires cause is often listed in acres burned or buildings destroyed.



Metal roofing panels offer project teams and owners a high-performance, multifunctional option for enhancing a structure's resilience against extreme events such as wildfires.



Originally, the owners of this home in Boulder, Colo., chose metal roofing because it is engineered to resist hail and wind damage.

Case in point: Eldridge home, Boulder, Colo.

Premium metal roofing can be an integral part of community resilience. The Eldridge home in Boulder, Colo., demonstrates this. Originally, the Eldridge family chose metal roofing for their home because it is

engineered to resist hail and wind damage. But in late 2021, they found that this roofing material also protected them and their neighbors from wildfire impacts.

At that time, a devastating wildfire smoldered in and around Boulder, prompting the evacuation of 35,000 people.

While both metrics imply the dangers of wildfire, they do not tell the whole story. The true danger of wildfire goes beyond flames, as smoke and flying embers rapidly spread fire from one building to another, threatening lives and damaging property.

Flying embers are the most serious threat. In fact, the Insurance Institute for Business & Home Safety (IBHS) estimates that embers are responsible for up to 90 percent of structural ignitions during wildfire events. These small, smoldering particles drift on heated updrafts and spread much farther than a wildfire's flames. Because these embers rain down, roofs can be particularly vulnerable, especially when made of flammable materials such as wood shingles.

Structural ignition from embers is not just a risk for a single building; it also increases the risk to the surrounding homes and businesses. This can accelerate the spread of fire and make containment more difficult. As a result, planning defenses against flames, smoke, and flying embers is crucial to ensuring resilience not just for structures but for the community.

THE STRENGTH BEHIND EVERY METAL ROOF

- ✓ Precision-Engineered
- ✓ Made in the USA
- ✓ Custom Solutions
- ✓ Over 30 Years of Expertise
- ✓ Reliable, Tested & Trusted

UPGRADE TODAY! [WeGotClips.com](https://www.wegotclips.com) 866-766-3254



Metal roofing enables owners, contractors, and designers to build resilient homes and businesses without compromising aesthetics.

Fueled by a dry season and 161 km/h (100 mph) winds that fanned its flames and intensified the heat, the fire thwarted containment efforts. As the fire crept through the Eldridge's neighborhood, it caused a large propane tank near the family's home to explode, showering the roof and surrounding area with flames, ash, and destructive shrapnel.

The home's metal roof not only resisted damage from the flaming debris and advancing flames but also provided critical protection for surrounding homes. By not bursting into flames, the home reduced the amount of potential fuel for the fire. Neighbors also claim the roof helped shield the homes behind it from the wind-driven flames, heat, and propane tank shrapnel—acting as an unintended firebreak.

How does Class A fire rating align with industry standards?

Among other fire mitigation measures, the roof is a critical pathway to earning certification through the IBHS Wildfire

Prepared Home program. This voluntary program translates wildfire science into practical action steps that contractors and homeowners can take to reduce a property's wildfire risk. One of the program's requirements is that a structure's roof covering is a Class A fire-rated material.

In fact, a Class A fire-rated roofing material is the first requirement listed to meet the program's base level designation. It states that the material should be certified with this rating in accordance with UL 790 or ASTM E108, *Standard Test Methods for Fire Tests of Roof Coverings*, standards. In addition to metal roofing panels, the Wildfire Prepared Home specifications also list other materials that have achieved a Class A rating under these standards, such as concrete, clay, or slate tiles.

While these other materials can be a viable part of a wildfire resistance strategy, it is important to consider that these roof tiles can weigh between 3.63 and 6.8 kg (8 and 15 lbs), often requiring rafter and

structural reinforcements and frequent repair and replacement due to weather damage. On the other hand, metal roofing panels weigh between 2.4 and 9.8 kgf/m² (0.5 and 2 psf), depending on the metal and alloy. Despite being the lightest roofing material listed in the program, metal roofs offer premium, long-term protection from wildfire and the damaging effects of hail, wind, water, and more.

Metal roofing: making wildfire resilience standard

Whether it is finding materials that meet recognized standards for fire, smoke, and ember protection or following wildfire preparedness programs, the design, construction, and upkeep of a home and business can be complex. This is especially true considering that fire defense is just one of many factors that must be addressed in modern projects.

Metal roofing panels offer project teams and owners a high-performance, multifunctional option for enhancing a structure's resilience against extreme



Whether it is finding materials that meet recognized standards for fire, smoke, and ember protection or following wildfire preparedness programs, the design, construction, and upkeep of a home and business can be complex.

events such as wildfires. They also provide defense against high winds, relentless rain, heavy snow, and more. They do this without requiring substantial

modifications to a roof deck or structure, making them incredibly efficient for home and business owners looking to prioritize their wildfire resiliency.

In addition to the protection they offer, metal roofing panels are also available in a range of profiles, colors, and attachment styles. This allows owners, contractors, and designers to create resilient homes and businesses without compromising project aesthetics. Incorporating metal roofing is more than a practical upgrade. It is a strategic, forward-thinking investment that can enhance the value and resiliency of nearly any property and its surrounding structures. **WICKY**

Mike Weis began his career in 1995 and later advanced to vice president of sales and marketing at Carlisle Architectural Metals (CAM). With more than 30 years of experience in the architectural metals industry, Mike has established himself as a respected leader in architectural metal envelope solutions. Mike is committed to delivering high-performance building envelope solutions from the CAM portfolio, which includes some of the industry's most recognized brands: Petersen, Drexel Metals, Metal-Era, Hickman Edge Systems, and Citadel Architectural Products. For more information, Visit Drexel Metals at drexmet.com.

AMSI SUPPLY

1.800.943.9771
www.AMSISUPPLY.com

Everything for the metal roofer!

AMSI Roofing Clips & Screws



S-5!®
The Right Way!

DEKS
Easy to Work With

Pipe Boots

Clamps

WUKO
Tools

AMSI Supply manufactures roofing clips and screws as well as carries a complete line of roofing products from these quality manufacturers.

CHIEF

BUILDINGS



TRUSTED.

TESTED.

TRUE.

800-845-1767 | chiefbuildings.com

Locations in
Nebraska, Indiana and South Carolina



PHOTOS © THERESA CABBELL



Precinct 4 Fire Station, Brazos County, Texas

This project marks the comprehensive transformation of an existing, nondescript fire station into a visually striking civic landmark. By integrating a strategic addition with a full-scale renovation, the facility now features four apparatus bays—doubling its previous capacity—significantly enhancing emergency service delivery for the community. The design uses pre-engineered metal framing systems for both the new construction and the creation of a prominent main entry, which establishes a greater sense of presence and improved wayfinding for visitors.

The exterior identity was redefined through the sophisticated use of Berridge Reveal Series metal panels. By specifying these panels in two distinct widths and two colors, the design achieves a dynamic visual variety that breathes new life into the original structure. High-impact red narrow-reveal panels create a bold aesthetic, while masonry accents ground the building, ensuring the metal-dominated facade feels both modern and permanent. These metal panels serve as the primary material for walls, roofs, and soffits, providing a cohesive, durable envelope.

Beyond the aesthetic upgrade, the choice of metal wall systems offered a budget-conscious solution for the Emergency Services District, delivering a high-end architectural finish without exceeding fiscal constraints. The result is a high-performance facility that balances functional expansion with a proud new identity, proving that industrial materials can be leveraged to create an inviting and distinguished public space. **MCM**



Owner: Brazos County Emergency Services District 4, Brazos County, Texas, brazoscountyesd4.org
Architect: The Arkitex Studio, Bryan, Texas, arkitex.com
General contractor: Caffey & Sons, Bryan, Texas, caffeyandsons.com
Metal panel manufacturer: Berridge Manufacturing Company, San Antonio, Texas, Berridge.com
Metal installer: Houser Fabrication, Madisonville, Texas, houserfabrication.com

Fire Station 76, Gresham, Ore.

In its simplest form, a fire station comprises little more than a dwelling with an oversized garage. At its most complex, it embodies its community's values and functions as a highly technical machine for emergency response. That understanding, infused with elements of storytelling and context, inspired the design of this project. Fire Station 76 embraces fire as a feature of protection and beauty while reflecting its rural context in both massing and simple materials. Taking inspiration from local agricultural buildings, the design layers the subtle rural character of the area over the distinct functions of living and working.

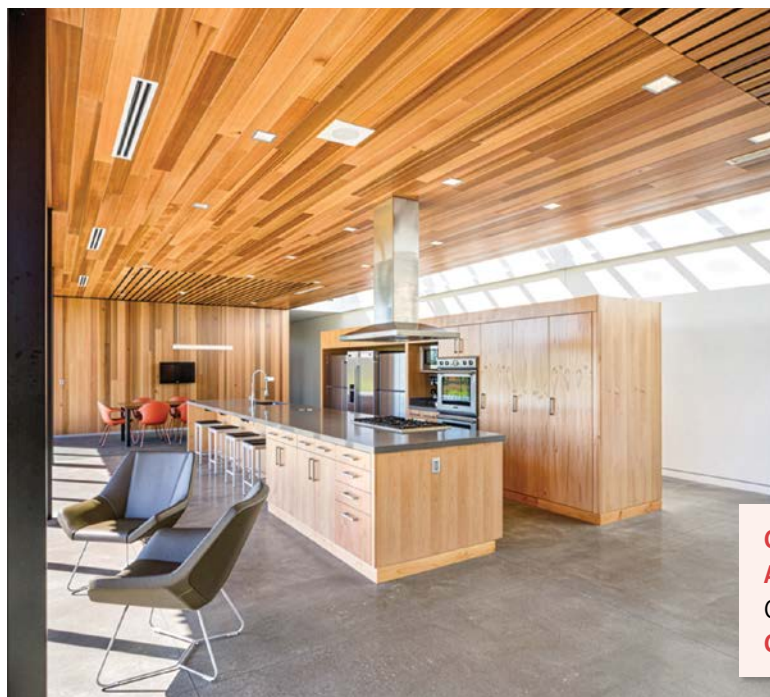
The 940 m² (10,120-sf) structure comprises two masses: a vaulted apparatus bay clad with metal and an office and living quarters wrapped in charred wood. The apparatus bay houses emergency response vehicles and includes working spaces such as a shop, a bunker gear washer and storage, and an EMS room. Attached to the living quarters are the crew's day room, kitchen, fitness room, showers, lockers, and bunk rooms. An area for public reception, including the station office, conference room, and district administrative office space, is located at the front entry to the living quarters. A light metal wraps the apparatus bay exterior, while glulam Tudor arches spanned by tongue-and-groove cedar decking vault over the engines at the interior.

The station incorporates daylight harvesting, passive solar heating, a high-performance building envelope, an efficient mechanical system, LED lighting, and low-flow plumbing fixtures. Coupled with a rooftop solar panel array and a backup generator, these passive and active sustainable strategies contribute to the station's resilient design.

The building orientation rotates with the east porch and dayroom, where crews spend most of their time, angled to capture views of the Cascade mountain range, and the metal-clad apparatus bay facing the road, presenting the most recognizable feature of a fire station—the engines—to the public. Natural, non-toxic materials used throughout provide healthy, restorative spaces for the crew to recharge from active duty. **MCRV**



PHOTOGRAPHY © JOSH PARTEE



Owner: City of Gresham, Gresham, Ore., greshamoregon.gov

Architecture and Interiors: Hennebery Eddy Architects, Portland, Ore., henneberyeddy.com

Contractor: Bremik Construction, Inc., Portland, Ore., bremik.com

Installer secures a solar array to the metal roof using a rail-less mounting solution.



Can Metal Construction Accelerate Solar Growth?

By Mark Gies

PHOTOS COURTESY S-51

Metal buildings and metal roofs offer a distinct advantage for rooftop solar photovoltaic (PV) installations: durability. Their long service life exceeds that of rooftop solar systems, reducing the likelihood of major repairs or reroofing that would interrupt system performance or add unexpected costs.

That longevity also has direct financial implications. When planning a rooftop solar project, the lifetime cost is the critical driver for achieving the ultimate return on investment (ROI). Installation expenses, operations and maintenance (O&M), and the potential for future disruptions all shape the system's cost savings over its expected service life.

This alignment makes metal construction well-suited for rooftop solar. But compatibility alone is not the full story. The larger opportunity lies in treating the building, roof, and solar array as a single integrated asset rather than separate investments. When considered together, efficiency gaps are easier to identify, along with opportunities for innovation that will create lower installation costs, minimize

O&M, and help accelerate rooftop solar growth in the United States and beyond.

However, in practice, building construction and solar installation are still often approached sequentially rather than collaboratively. A building or reroofing project is completed first, and the solar installer arrives later. At that point, modifications to the building are difficult and costly.

Roof attachments may require penetrations or specialized mounting systems. Power electronics need to be mounted on walls or placed in enclosures. Conductors, jumpers, homeruns, and related wiring must be routed from the array to inverters, service equipment, and the utility meter. These elements often require penetrations, raceways, and other modifications.

Each of those steps adds cost, complexity, and coordination. Over the life of the system, they can also affect maintenance, serviceability, and long-term ROI. Therefore, the relationship between metal construction and rooftop solar is more than compatibility. It is also about how much inefficiency and avoidable cost can be identified and addressed before installation begins.

Complementary —but not yet integrated

Metal construction and rooftop solar systems are naturally aligned, yet often treated separately. When building systems, roof systems, and solar arrays are designed and installed in isolation, valuable efficiencies are lost, and a major opportunity for cross-industry innovation is missed.

Despite this, there has been measurable progress. Solar-ready design concepts and attachment innovations, especially for standing seam metal roof systems, demonstrate how metal construction can lower barriers to solar installation. Buildings designed with built-in wire chases, designated equipment locations, and code-compliant provisions for PV power electronics and batteries can also reduce installation cost and simplify future system additions.

Even so, the industry may not be moving quickly or innovating deeply enough to accelerate rooftop solar deployment meaningfully. Best practices and custom solutions already exist, but widespread impact will depend on turning those ideas into standard design approaches, repeatable construction details, and readily available products.



Bruce Goode's equestrian barn, located in the Okanagan Valley of British Columbia, Canada, uses a rail-less solar mounting solution designed for metal roofs, where the standing seams of the roof act as built-in rails.

**Solar-ready design:
A step toward integration**

One of the clearest examples of progress is solar-ready design. Solar readiness

formalizes practical decisions during the building and roof design phase, allowing PV systems to be installed more efficiently later. Roof orientation, pitch, unobstructed

solar zones, durable materials, and designated space for conduit and power electronics are addressed intentionally rather than reactively. It is simpler and

SCHWEISS

DOORS

HYDRAULIC — OR — BIFOLD

ONE-PIECE DOORS STRAP LIFT DOORS

507-426-8273

- AVIATION
- SHOP DOORS
- AG DOORS
- BARN DOORS

SCHWEISSDOORS.COM

BUILD SMARTER WITH EASYFRAME!

EASYFRAME METAL BUILDINGS
Quality • Service • Performance

SCAN THE QR CODE TO SEE THE AVAILABLE MODELS.

MCELROY METAL'S EASYFRAME COLD FORMED BUILDINGS DELIVER COST SAVINGS, QUICK INSTALLATION, AND SUPERIOR STRENGTH.

VISIT US AT MCELROYMETAL.COM

MCELROY METAL
Employee Owned



Vaisala's company headquarters in Louisville, Colo., showcases the benefits of coordinating a metal building, its roof, and solar rooftop systems as one integrated component.

PHOTO COURTESY NAMASTE SOLAR

less expensive to integrate solar systems than to retrofit buildings and roofs later.

In engineered metal building systems, with framing members, purlin spacing, and load paths defined from the outset, solar readiness is feasible and efficient. When these considerations are incorporated early, both the roof system and the future PV array benefit from these efficiencies.

The current trend is for states and municipalities to implement solar-ready mandates. For example, California has required solar installations on many new buildings since 2020, along with related solar-ready provisions. Policies like these encourage integrated planning rather than retrofit improvisation, helping lower system costs and improving long-term performance.

Solar readiness is not complicated. It simply formalizes design choices directly affecting costs, constructability, and ROI in anticipation of immediate or eventual solar additions. The larger goal is to move beyond isolated examples

and make those options standard point-of-sale conversations across the metal construction industry.

Building-integrated solar

Another area where construction and solar technology intersect is building-integrated photovoltaics (BIPV), including solar roofing products. These systems have been gaining traction in the U.S. market, with manufacturers such as Tesla, GAF, and CertainTeed introducing products that merge roofing materials with energy generation.

Solar shingles do not currently match the power density or cost-per-watt performance of conventional crystalline PV panels. Over time, continued innovation may narrow that gap, particularly in residential applications.

These developments represent incremental progress toward integration and demonstrate that innovation within the construction sector can influence the solar industry's trajectory, even if it is gradual.

Where metal construction is leaving opportunity on the table

The long-term growth of rooftop solar will rely on innovation from both the solar and metal construction industries. Solar-ready practices, building-integrated solar, and attachment compatibility all represent meaningful steps forward. Yet opportunities remain for metal construction to move beyond compatibility into integrated innovation.

On top of the design-and-build savings, the workforce implications are equally significant. Roofing and metal building professionals bring expertise in structural integration and long-term performance—skills directly relevant to successful solar deployment.

Greater crossover between trades can strengthen both industries, particularly as demand intensifies across construction and energy sectors.

A coordinated future


If metal construction, roofing, and rooftop solar are to achieve the shared



Solar readiness simply formalizes design choices directly affecting costs, constructability, and ROI in anticipation of immediate or eventual solar additions.



potential, progress will not come from treating them as separate scopes stacked one on top of the other. It will come from designing, specifying, and installing them as a coordinated rooftop system—built on durable metal platforms that complement the full-service life of the PV installation.

Metal buildings and roofing systems are naturally compatible with rooftop solar. The question is whether that compatibility evolves into active influence and cross-industry innovation. 

Mark Gies is director of strategy and market development at S-51. With more than 15 years of experience in the solar energy industry, Mark has expertise spanning product development, operations, installation, compliance, codes and standards, and sales and business development. He is the vice-chair of the Solar Energy Industries Association's Mounting System Manufacturers Committee, a member of the Structural Engineers Association of Southern California's PV Committee, and a founding member of UL 2703's Standard Technical Panel.

ROOF HUGGER®

GIVE YOUR BUILDING NEW LIFE

With Metal-Over-Metal Retrofit.

UPGRADE YOUR ROOF TODAY!

RoofHugger.com | 1-800-771-1711

LSI GROUP
METAL BUILDING COMPONENTS

Sherwin-Williams Expands Kentucky Coil Coatings Plant

Sherwin-Williams Coil Coatings, a manufacturer of coil and extrusion metal coatings, has completed a major expansion at its Bowling Green, Ky., manufacturing plant to align its production with the expected growth trajectory of the metal roofing and construction markets.

“Our Performance Coatings Group continues to invest in advanced technologies that support innovation and long-term partnerships,” said Karl Jorgenrud, president, Sherwin-Williams Performance Coatings Group. “The Bowling Green expansion will strengthen our supply chain resilience and ensure our customers receive high-performance solutions without interruption.”

The company significantly upgraded the 32-year-old facility with state-of-the-art technology, advanced automation, increased batch sizes, and expanded production capacity to meet accelerating demand in the roofing, metal building, and OEM manufacturing markets.

The expansion adds a 60 percent overall increase from 2025 and enables larger batch production. According to a press release, Sherwin-Williams says enhanced automation will also improve formulation accuracy, reduce any defects, increase consistency, and strengthen the plant’s ability to meet lead-time commitments.

“Industry experts predict demand increasing across roofing and siding markets, and this expansion bolsters our ability to deliver our products in less than five days, which is advantageous to our many customers,” said Drew Waldroup, vice president of sales for Sherwin-Williams. “Increased capacity and automation also enhance our reliability, provide greater operational flexibility, and allow us to collaborate seamlessly with other Sherwin-Williams manufacturing sites nationwide.”


The Bowling Green facility manufactures polyester coil coatings (PolyPREMIER) for interior and moderate exterior applications, including lighting fixtures, appliances, garage and entry doors, and building products. 

PHOTO COURTESY COAKLEY & WILLIAMS CONSTRUCTION



Coakley & Williams Construction Named As ABC's Contractor of the Year


Associated Builders and Contractors (ABC) has announced Coakley & Williams Construction (CWC), headquartered in Bethesda, Md., as its 2026 Contractor of the Year. The award was presented at the 36th annual Excellence in Construction Awards Gala during ABC Convention 2026 in Salt Lake City on March 19.

The Contractor of the Year award annually recognizes a member company for “corporate integrity and commitment to health and safety, professional development, and industry-leading workforce development,” according to a media release.

“Coakley & Williams Construction creates the exceptional places and spaces in and around our nation’s capital where people live, learn, work, and thrive,” said 2026 chair of the ABC national board of directors Thomas “Murph” Murphy, vice president of Power & Construction Group. “There are few contractors with roots that run as deep within ABC. The 65-year member is a prime example of the merit shop philosophy, evidenced by the company’s commitment to upholding the highest standards of health, safety and quality, delivering maximum value to clients and communities, investing in employee development, and continually defending a fair and open construction marketplace.”

Founded in 1961, CWC is a general contractor with 160 employees that generates nearly \$300 million in annual revenue, known for life science facilities, multifamily housing, K-12 schools, higher education buildings, industrial facilities, major municipal projects, hospitality venues, and corporate interiors.

“I am honored to extend heartfelt congratulations to the entire CWC team for exemplifying what it means to be an ABC contractor of choice and a trusted partner for construction services,” said Murphy. “ABC is a stronger association thanks to members like CWC.”

CWC has obtained the ABC Accredited Quality Contractor credential and participated in the organization's STEP Health and Safety Management System for more than two decades. 



SPEED STAND WARNING LINE SYSTEM for Metal Roofs

- ▼ Quickest Setup
- ▼ Rubber Pads Protect the Metal Finish
- ▼ Bridges Standing Seams & Ribs
- ▼ One Piece Folding Stands
- ▼ 40' Spacing Between Stands

Free Brochure

Quicksilver Engineering

525-E SW Calapooia
Sutherlin, OR 97479

qe-1.com

1-800-460-7579

Call to
Order



10-12 JUNE 2026



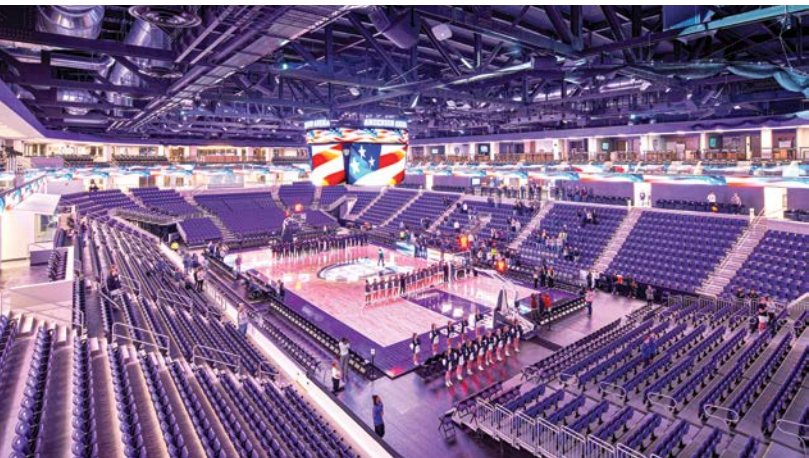
ROOFING EXCELLENCE
THROUGH PROFESSIONALISM & EDUCATION

**Join us for
FRSA's 104th
Convention & Expo**



Register today at www.floridarooft.com

GAYLORD PALMS RESORT & CONVENTION CENTER | KISSIMMEE, FL




PHOTOS © COREY CAFFER PHOTOGRAPHY

Owner: University of St. Thomas, Saint Paul, Minn., stthomas.edu.
Architect: Ryan Companies, Minneapolis, ryancompanies.com; Crawford Architects, crawfordarch.com.
Metal railings manufacturer: Sightline Commercial Solutions, Minneapolis, sightlinecommercial.com.
Metal railings installer: SSE

Lee & Penny Anderson Arena, Saint Paul, Minn.

In 2020, the University of St. Thomas received approval to elevate its athletic programs from NCAA Division III to Division I, bringing increased expectations and requirements for the university's athletic facilities. As the new home to the Division I Tomcats hockey and basketball teams, Lee & Penny Anderson Arena required a railing solution that balanced safety, premium aesthetics, and event versatility.

Designed as a multi-use arena hosting both hockey and basketball, the venue demanded a guardrail system durable enough for high-volume use but with a sleek, unobtrusive profile. Sightline furnished 1,800 linear feet of track rail featured throughout the arena, from the front of the bowl to Americans with Disabilities Act (ADA) areas and the grand stairs. The custom-fabricated system features 14.3-mm (0.563-in.) clear SGP and 20.6-mm (0.8125-in.) clear SGP glass, paired with stainless steel brushed cladding, a handrail, and a top cap. Full-height divider glass was incorporated at suites and broadcast booths, along with full-height glass at the front of the bowl, preserving clear sightlines and elevating the arena's upscale atmosphere.

The extensive use of glass supports an open, modern environment that enhances the spectator experience for both sports. However, a key challenge was the continuous 1.3 m (4.25-ft) tall front-of-bowl glass, engineered without a top cap to facilitate panel alignment. With allowable bow variation between panels, achieving a uniform visual line required exceptional precision. Installation partner SSE delivered meticulous craftsmanship, while Sightline's Glass Nut Glazing system helped streamline installation by eliminating the need for post-installation access to the assembly. The result is a cleanly executed guardrail solution that enhances safety, preserves sightlines, and creates an elevated fan environment at Lee & Penny Anderson Arena. 



Metal Building Accessories

Engineered For Safety,
Strength, & Simplicity



Metalwalk®



Curbs & Hatches



Canopies



Powered Ventilation



Louvers



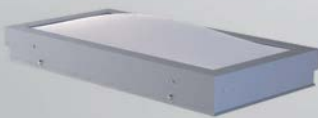
Snow Retention



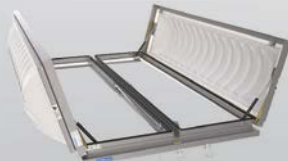
Ladders & Fall Protection



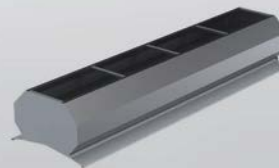
Doors



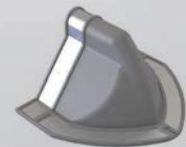
Skylights



Smoke Vents



Gravity Ventilation



Flashing

Get a free quote today - Call **(800) 868-9910**
or visit **designcomponents.com**

Learn more about
our accessories



DYNAMIC FASTENER

Everything for the Metal Builder & Roofer®

2026 TOOL & FASTENER HAND GUIDE

You supply the crew. We'll supply the rest®

MAIN OFFICE		KANSAS CITY	CHICAGO	HOUSTON	LAS VEGAS	MEMPHIS	ST. LOUIS	ST. PAUL
9911 E. 53rd St.		9911 E. 53rd St.	2575 W. LeMoyn St.	1414 Brittmoores Rd.	6455 Dean Martin Dr. Ste J	3700 Cherry Rd.	12800 Pennridge Dr.	2316 Territorial Rd.
Raytown, MO 64133		Raytown, MO 64133	Melrose Park, IL 60160	Houston, TX 77043	Las Vegas, NV 89118	Memphis, TN 38118	Bridgeton, MO 63044	St. Paul, MN 55114
816-358-9898 Local		816-358-9898 Local	708-615-1450 Local	713-647-8665 Local	702-566-1555 Local	901-369-8000 Local	314-739-8771 Local	651-644-1212 Local
800-844-1199 Fax		800-844-1199 Fax	708-615-1451 Fax	713-647-8635 Fax	702-566-0175 Fax	901-369-0105 Fax	314-739-8691 Fax	651-644-1124 Fax
800-821-5448 Ntl		800-821-5448 Ntl	800-573-7787 Ntl	800-988-5490 Ntl	866-936-8665 Ntl	800-727-0288 Ntl	800-444-0515 Ntl	800-755-2426 Ntl



D-F® RIVET BOSS® PG. 92, 93



D-F® ultra-premium nut runners
With Mag 10 **\$3.60**
5/16 x 2-9/16" 100 **\$2.50** PG. 52



DEWALT High Performance Industrial Accessories
Premium Impactor
DCF860B **\$119** PG. 5



Milwaukee
2-Pcs Kit & FREE bit set
3697-22 **\$329** PG. 28



With **Dyna-Coat®**
D-F® SELFDRILLERS PG. 74-83



D-F® DYNA-CLAMPS®
DC-U 600+ **\$6.75** PG. 68



Titebond® THE PRO'S ADVANTAGE™
COLORS 120+ **\$6.83** PG. 59



D-F® DYNA-FLASH®
#3 10+ **\$6.89** PG. 61-63

PRICES GUARANTEED UNTIL MARCH 31, 2027 OR WHILE SUPPLY LASTS - SUBJECT TO CHANGE WITHOUT NOTICE

(800) 821-5448 Order online @ www.dynamicfastener.com

© Copyright 2026 D.F.S.

Call 800-821-5448 for your **FREE** 140 pg 2026 Hand Guide