

METAL BUILDING SYSTEMS

Where Vision Meets Value



KIPP Texas Somos • Houston, TX

2024

Annual Report

MBMA

METAL BUILDING MANUFACTURERS ASSOCIATION®

Research | Leadership | Education





CONTENTS

- 1 CHAIRMAN'S MESSAGE**
Coming Together for a Common Good Reaps Rewards
- 3 MANAGEMENT PERSPECTIVE**
Hooray! We Broke Even!
- 7 OVATIONS & HONORS**
Achievements for Leadership, Research and Safety
- 9 MBMA ANNUAL STUDENT DESIGN COMPETITION**
Architectural Students' Design Achievements
- 11 ACCREDITATION COMMITTEE**
Corporate Accreditations: A Badge of Excellence
- 13 ARCHITECT COMMITTEE**
Raise Your Forks, for a Bigger Pie
- 15 EDUCATION COMMITTEE**
Changing Perceptions Through Education
- 17 ENERGY & SUSTAINABILITY COMMITTEE**
Highlights of an Exceptional Year
- 19 FIRE & INSURANCE COMMITTEE**
Focus in on Guidelines, Updates and Education
- 23 MARKETING COMMITTEE**
Paving the Path to Innovation
- 25 SAFETY COMMITTEE**
Safety Has No Shortcuts
- 27 STATISTICS COMMITTEE**
Data Fuels Smart Decisions
- 29 TECHNICAL COMMITTEE**
Research & Leadership Continuing a Heritage of Success
- 33 TECHNICAL & EDUCATIONAL MATERIALS**
Technical Manuals, Videos, Webinars, Research Reports & More
- 35 MBMA MEMBER MANUFACTURING PLANTS**
Metal Building Manufacturing Facilities Across North America
- 37 MBMA MEMBERS**
Member Companies Make MBMA Strong

Coming Together for a Common Good Reaps Rewards



Mark Van Dyken
MBMA Chair

Good things are happening in the metal building industry. While this past year has seen peaks and valleys, the signs at the end of the year are very encouraging. And, while employee turnover has continued to provide some anxious moments, that challenge has settled down as well.

2024 marks my second year as the chair of MBMA's board of directors and it's been a positive and productive experience. Here are a few highlights of 2024:

- Membership is up substantially with 11 new member firms coming on board.
- New resources have been created including five more educational folios, the exceptional Roofing Framing Design Guide which provides information on the design of cold-formed steel purlins, and a comprehensive building information modeling Q&A document.
- An updated version of the Fire Resistance Design Guide for Metal Building Systems was also completed this year. Originally published in 2010, this document quickly became a standard resource for specifiers and code officials, as well as design professionals in the architecture and engineering disciplines. In addition, MBMA members and staff created a revised and renewed version of the Energy Guide for Metal Building Systems.
- Three new videos in the ever-popular Travels with Tony series garnered over 100,000 views.
- A new website was unveiled and is packed full of research materials, educational videos, a great gallery of building design ideas, access to information on all MBMA member firms...and a whole lot more. Check it out at MBMA.com.
- We had a record number of attendees at MBMA's annual meeting and the largest attendance in nearly a decade at our annual Safety Workshop.

I would like to remind you that participation is the best return on investment for all MBMA members, whether through meeting attendance, committee participation or service on task groups. These offer each of us great opportunities to learn from one another, but also to get to know each other.

Whether your firm is a building system manufacturer, a supplier of industry-related products or a professional services firm, we warmly welcome you and look forward to showing you what a progressive, innovative and exceptional group of people comprise the Metal Building Manufacturers Association.





Big Sewickley Creek Brewery • Sewickley, PA



Tony Bouquot
MBMA General
Manager

Hooray! We Broke Even!



I was perusing the annual reports of several companies in my portfolio looking for inspiration for this column when it occurred to me that we don't often talk publicly about MBMA's finances. Most corporate annual reports include lots of financial data including balance sheets, profit and loss statements and earnings reports. The U.S. Securities and Exchange Commission requires public companies to file a Form 10-K annual report each year which includes detailed information on their financial performance.

As a nonprofit trade association, MBMA has no such requirements. As a nonprofit, we aren't constrained by the typical financial goals of a for-profit business: EBITA, margins, profitability and return on shareholder investment (ROI). MBMA does have revenue which is primarily derived from member dues. In 2024 we collected just under \$2,000,000 in member dues. MBMA also has expenses: technical research, marketing projects, staff salaries

and benefits, meetings, etc. In 2024 our expenses were budgeted to be, you guessed it, just under \$2,000,000. Hooray! We broke even!

So, without profitability and ROI goals, how do we know if MBMA is successful? From a financial perspective success is measured in two ways. As a nonprofit organization, by definition, MBMA is not trying to make money, but we are also trying not to lose money either. Thus, breaking even is the goal. At the same time, we endeavor to maintain healthy reserves which have been defined by the MBMA board of directors as always having six months' worth of operating expenses in the bank. In 2024 we budgeted to end the year with assets right at the six-month level, and we expect to finish the year right on budget. In fact, our reserves have been so consistent that in 2021 MBMA began investing a substantial portion of our reserves in conservative, short-term investments.



What about ROI – return on investment? Member companies “invest” in MBMA via their dues. Their return on this investment is not in dividends or an increased share price. Instead, it is the value they receive from being a member. It is the work we accomplish as a trade association

representing the metal building industry. In 2024, it is the work detailed in this annual report.

If you are an MBMA member, thank you for continuing to support the important work of the association. If you are not, I

would encourage you to read on to learn about the work we do and to consider if it would benefit your company to be a part of it. I would encourage you to think about all the work detailed in the pages that follow and how much it would cost your organization to do this work on

your own. Compare that to the cost of membership, and I think you’ll find it’s a pretty impressive ROI!



KIPP Texas Somos Campus San Antonio, TX

"Metal buildings are designed and engineered to minimize materials waste, which helps to keep costs down. They are also quicker to construct, which enables us to achieve our occupancy goals."

-Eric Kot, former deputy chief of construction
and real estate for KIPP Texas





Dr. James M. Fisher Is MBMA's 2024 Ellifritt Award Winner

MBMA presented Dr. James Fisher with the 2024 Dr. Duane S. Ellifritt Research Award. Named after MBMA's original director of research and engineering, this honor is given to a researcher annually for contributions to the advancement of metal building systems. Dr. Fisher accepted the award at the 2024 MBMA Research Symposium in Charlotte, North Carolina. "Dr. Fisher has contributed extensively to the advancement of metal building systems," says W. Lee Shoemaker, Ph.D., PE, MBMA's current director of research and engineering. "He conducted various research studies for MBMA which improved the design practice. His MBMA-sponsored work led to American Institute of Steel Construction's (AISC) Design Guide on Serviceability Considerations for Low Rise Buildings. It is still the seminal reference for allowable deflections and sideway drift for steel buildings."

Dr. Fisher assisted with the development of the first certification program for metal building manufacturers which helped elevate the industry. This eventually became a requirement for membership in MBMA which continues today with the International Accreditation Services AC472 program for metal building manufacturers.



Lee Shoemaker, Ph.D., PE, MBMA's current director of research and engineering, presents Dr. James Fisher with the MBMA Ellifritt Award.

Dr. Fisher has not only been an asset to the metal building industry through his research and professional involvement, but he has also garnered many awards from AISC in recognition of his contributions to the steel industry. He served as the chairperson of the AISC Specification Committee from 2003 until 2010 and he currently serves as the consulting engineer to the Steel Joist Institute. Dr. Fisher received the 1984 T.R. Higgins Lectureship Award presented by AISC. In 2000 he received AISC's Lifetime Achievement Award, recognizing his exceptional contribution to the steel construction industry. He received AISC's highest award, the J. Lloyd Kimbrough Award in 2006.

The MBMA research award is named for Dr. Ellifritt, who was teaching at Oklahoma State University in Stillwater, Oklahoma, in 1975 when he was appointed as the first director of research and engineering for MBMA. He served in that role until 1985 when he returned to teaching as a professor of civil engineering at the University of Florida in Gainesville, where he taught until his retirement in 2010. Throughout his life, artistic expression was evidenced through his prolific works in various mediums. He always traveled with his sketchbook and would transform his favorite drawings into intricate watercolors. His home and art studio were wall-to-wall original vignettes of his observations of life, especially his

interest in bridges and other structures. Dr. Ellifritt's most famous work, the Steel Structure, is a teaching sculpture which stands on the Gainesville campus and has been reproduced nearly 200 times at colleges and universities around the world. He died in 2018. The Ellifritt family was very honored that MBMA has chosen to recognize him in this way.

Safety Awards Abound

MBMA honors member companies that demonstrate exceptional performance in maintaining workplace safety through its annual safety awards program. Awards are given to Building Systems members as well as Associate members for their performance during the previous calendar year. Safety awards for the 2023 year were presented during the 2024 MBMA spring meeting held in April in San Diego, California.

Since 2011 MBMA and its Safety Committee have presented awards to 369 plants and facilities. In 2023, Building Systems members had 46 plant facilities that participated in MBMA's quarterly OSHA Injury Statistics Program, logging over 15 million hours on the job. MBMA's awards are presented in three categories. The 2023 Superior Safety Award was presented to three plants that

achieved zero recordable cases for the entire calendar year. The 17 facilities that received the 2023 Safety Performance Award achieved an incident rate equal to 50% or less than the OSHA industry average. The 2023 Associate Member Superior Safety Award went to 57 facilities that achieved zero recordable cases for the year.

Here are the 2023 MBMA safety award winners:

2023 Superior Safety Award

In recognition of Building Systems member manufacturing facilities with zero recordable incidents.

- Kirby Building Systems, a Nucor company (Portland, TN)
- Dean Steel Buildings (Thomasville, GA)
- Spirco Manufacturing (Memphis, TN)

2023 Safety Performance Award

In recognition of Building Systems member manufacturing facilities with an incident rate equal to 50% or less than the industry average as reported by OSHA.

- ACI Building Systems (Batesville, MS)
- American Buildings, a Nucor brand (El Paso, IL)

- BlueScope Buildings North America, Inc. (Annville, PA; St. Joseph, MO; Jackson, TN)
- Cornerstone Building Brands (Atwater, CA; Houston, TX; Mt. Pleasant, IA)
- Inland Buildings (Culman, AL)
- Kirby Building Systems, Inc. (Portland, TN)
- Nucor Building Systems, a Nucor company (Brigham City, UT; La Crosse, VA; Swansea, SC)
- Red Dot Buildings (Athens, TX)
- Schulte Building Systems, Inc. (Hockley, TX; Hueytown, AL)
- Whirlwind Steel Buildings (Houston, TX)

2023 Associate Member Safety Award

In recognition of Associate member facilities with zero recordable incidents.

- Bay Insulation Systems (Baton Rouge, LA; Brooklyn Heights, OH; Coppell, TX; Eastlake, OH; Easton, PA; Fridley, MN; Green Bay, WI (2 locations); Indianapolis, IN; Kansas City, MO; London, ON; Louisville, KY; Memphis, TN; Norcross, GA; Orlando, FL; Pensacola, FL; Phoenix, AZ; Raleigh, NC; Roanoke, VA (2 locations); San Marcos, TX (2 locations); St. Louis, MO; Sumner, WA)



MBMA safety workshop

- Curbs Plus (El Dorado, KS; Glendale, AZ; Rossville, GA)
- Konecranes (Houston, TX)
- Metl-Span, a Nucor company (Hamilton, ON; Lewisville, TX; Waterloo, IN; Las Vegas, NV; Sheridan, AR)
- PSI Preferred Solutions, Inc. (Cleveland, OH)
- Silvercote, a Service Partners company (Ashland, VA; Byram, MS; Denver, CO; Duluth, GA; Greenville, SC; Houston, TX; Huntsville, AL; Itasca, IL; Lubbock, TX; Marshfield, WI; Mooresville, NC; Pottstown, PA; Salt Lake City, UT; Scotia, NY; Spokane Valley, WA; Springfield, KY; Stockton, CA)
- Wurth Construction Services (Birmingham, AL; Greensboro, NC; Hicksville, NY; Houston, TX; Orlando, FL; Tampa, FL)

MBMA ANNUAL STUDENT DESIGN COMPETITION

MBMA's annual competition for undergraduate and graduate architecture students challenged each participant to create an innovative metal building design for a new nature center and environmental research facility. Judges for the contest were Eric F. Pros, AIA, director of design for DE Architecture, Cleveland, Ohio; Terri Meyer Boake, LEED AP, professor, School of Architecture, University of Waterloo, Cambridge, Ontario; Lauren Gwaltney, AIA, senior associate with Williams Blackstock Architects, Birmingham, Alabama.; John Underwood, Behlen Manufacturing Company, Columbus, Nebraska.; and Robert Tiffin with Silvercote in Greenville, South Carolina. For more details about the competition and winners, visit mbmaeducation.org.

Award Winners



OVERALL WINNER

Jamie Jang

University of Massachusetts - Amherst
Faculty Advisor: Stephen Schreiber



1ST PLACE GRADUATE

Ian Tibbetts

University of New Mexico
Faculty Advisor: Kristina Yu



2ND PLACE GRADUATE

Mohamed Ashik Mubarak Ali

University of Massachusetts - Amherst
Faculty Advisor: Stephen Schreiber



1ST PLACE UNDERGRADUATE

Parker Zollinger, Alex Proctor, Pete Vawdrey

University of Utah
Faculty Advisor: Jörg Rügemer



2ND PLACE UNDERGRADUATE

Maya Westbrook

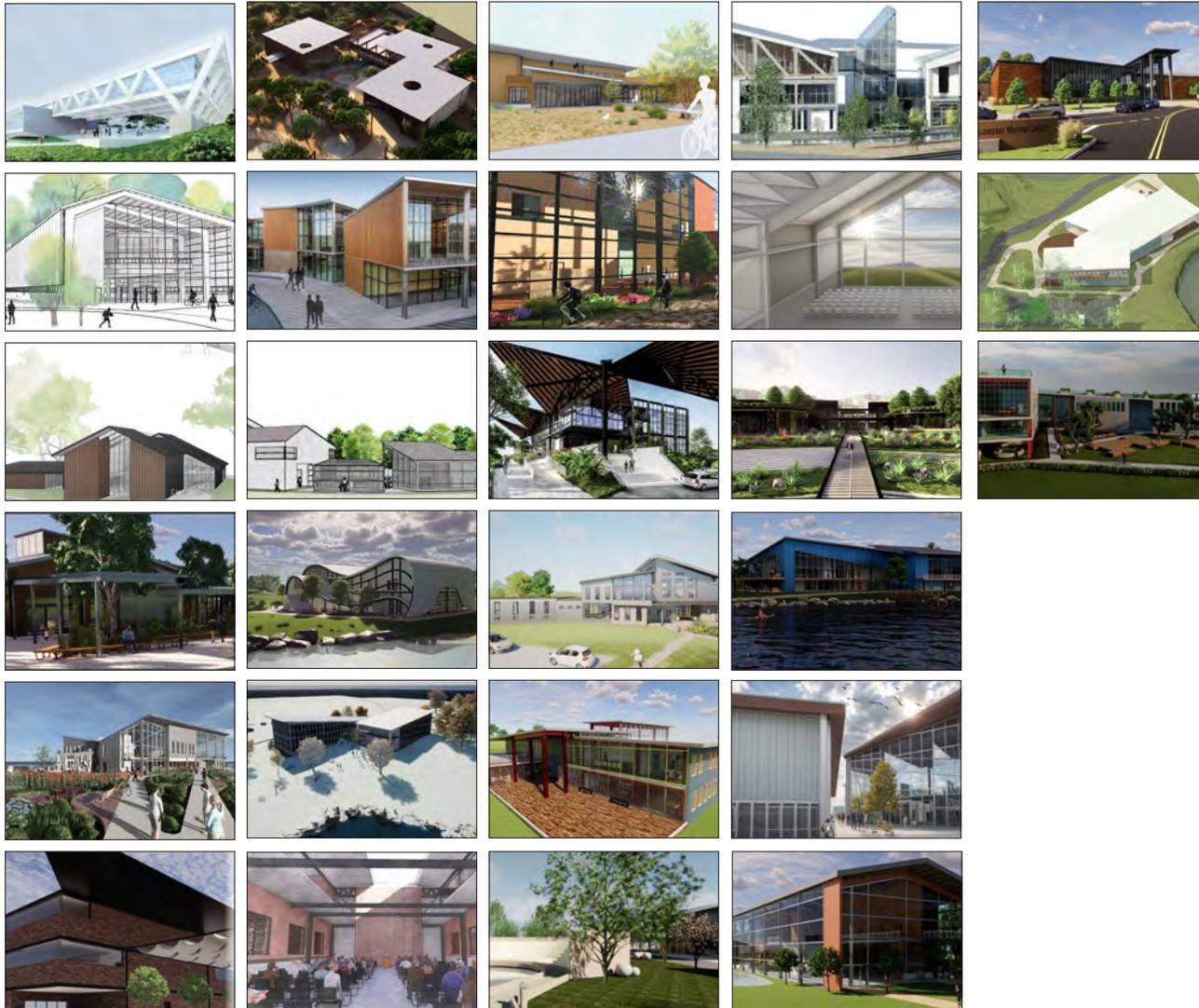
California State University, Sacramento
Faculty Advisor: Mark Roddy



3RD PLACE UNDERGRADUATE

Cade McCue, Charlie Leonardi, Aaron Rombach, Ashley Aarund, Miko Novakovic

Kent State University
Faculty Advisor: Adam Yaracs



“It’s exciting to see it grow and introduce metal building systems to students across the country. The creativity, insight and enthusiasm of these students is wonderful to see and inspiring for our industry.”

- Lee Shoemaker, PhD, PE,
MBMA director of research
and engineering

Corporate Accreditations: A Badge of Excellence

The International Accreditation Service (IAS) accreditation of inspection programs for manufacturers of metal building systems is based on International Building Code® (IBC) Chapter 17 and IAS Accreditation Criteria (AC472). IAS accreditation is an essential criteria for metal building manufacturing firms to join MBMA. We believe that achieving and maintaining accreditation is foundational to assuring that every MBMA member firm that manufactures building systems is fully committed to industry excellence.

MBMA's 20-person Accreditation Committee oversees activities related to member accreditation through IAS. We actively promote the benefits of both

IAS accreditation programs that impact the metal building systems industry and share our knowledge freely through published articles, virtual presentations for companies and industry groups, and through virtual meetings.

In addition, our committee recognizes and reinforces that accreditation adds value for the end customer and differentiates the metal building systems industry from other forms of construction. We fully believe that accreditation affirms and differentiates the value of metal building design and construction.



Tanner Moy
Committee
Chair



INDUSTRY ACCREDITATION TYPES

For manufacturers ... Accreditation Criteria AC472 conforms to the standards of the International Building Code® and requires audits of the integrity of the design engineering and manufacturing processes of metal building system manufacturers.

For contractors ... AC478 certification provides the criteria for accrediting metal building systems assemblers. Firms that achieve such certification demonstrate to metal building systems manufacturers that they are committed to excellence in building erection.

For suppliers ... AC473 is specifically for accreditation of manufacturers of cold-formed steel structural and nonstructural components not requiring welding. AC172 relates to accreditation criteria for fabricator inspection programs for structural steel.



Port Sanibel Marina Dry Boat Storage Facility • Fort Myers, FL

Raise Your Forks, for a Bigger Pie!

We all have likely used the idiom “a bigger slice of the pie” to describe a portion of market share that we want to have. Well, this (sweet-toothed) committee chair and you raise our forks to wanting more. We want to make “a bigger pie,” or directly grow the size of our industry by educating architects that a metal building system is the choice they need to make!

Our committee’s greatest achievement continues to be our collaboration, within our own and other MBMA committees. Let’s focus on our success at the American Institute of Architects (AIA) 2024 Conference in Washington, DC. This was our first time ever that we went as an industry team. From AIA22 and AIA23, we meticulously planned our



Robert Tiffin
Committee
Chair

strategy. From the booth location to a “magic book” (containing images and QR codes for many MBMA resources of value to architects) to outfitting our team in MBMA-logoed vests, we were truly unified!

The fantastic, new backlit display headlined a simple question: “Can You Spot the Metal Building?” The collage demonstrated the design versatility in the use of metal building systems. Completing the display was our MBMA member plants map and images from our student design competition!

We engaged with so many architects—practicing and students too! The team engaged all who walked by, creating lasting impressions. You could hear the walls of their preconceived “rusty metal box” crumble.

I like this pie metaphor. We come to the table with different tastes and interests, but it is our diversity that makes us better,



COMMITTEE INVOLVEMENT OPPORTUNITIES

Share the Architect Committee’s work and goals with your architectural contacts.

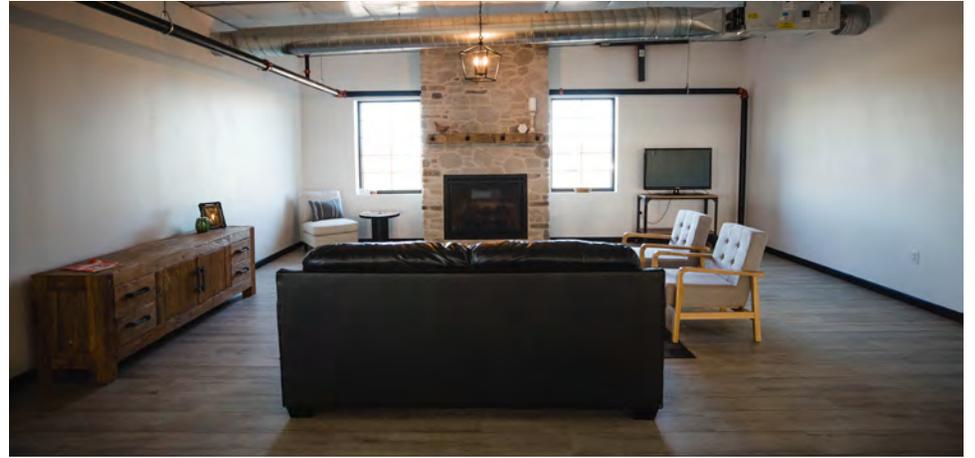
Host a Continuing Education Unit (CEU) meeting with architectural offices or your local AIA group. (MBMA made it easy [as pie] with three unique presentations, including the scripts!)

Engage with AC478 contractors/erectors and their architectural contacts.

Promote this year’s student design competition.

JOIN US at AIA2. You’ll enjoy every minute!

unified, valued and thereby provides opportunities for a bigger pie. The sidebar shows ways you can raise your fork. Contact me anytime. I would love to hear your questions, ideas and favourite pie! Robert.Tiffin@silvercote.com.



The Pickle Barn • Mankato, MN

Changing Perceptions Through Education

Architects—those who practice the art, those who teach and future architects—are the main focus of the Education Committee. We are involved in the annual MBMA Metal Building Student Design Competition which is gaining greater traction every year. This year, we again have a record number of schools and students participating.

One reason for our continued growth is due to the annual faculty workshop, where we bring professors together and educate them on the value of metal building systems and then introduce them to the annual student competition. This year we hosted 14 faculty members from 10 universities. We held the two-day event at

a hotel in Charlotte, North Carolina. After we provided educational presentations from practicing architects and MBMA staff, we transported our guests to a metal building manufacturing facility for a comprehensive tour. Next year, we hope to engage a college or university as a co-sponsor, located in a city where an MBMA member's manufacturing facility resides. We think that partnering with an academic institution will stimulate even more credibility for the program, spurring additional enthusiasm and attendance. If you have a suggestion for a specific collegiate partner, we welcome your input.

One of the key resources we use to enlighten both professors and students is MBMA's architectural folio series. We currently have 11 folios posted to mbmaeducation.org. A list of the folios completed in 2024 is listed in the sidebar. We also continue to create Learning Unit courses for the AIA. The committee is exploring topic alternatives and, as always, welcomes your input.



John Underwood
Committee
Chair



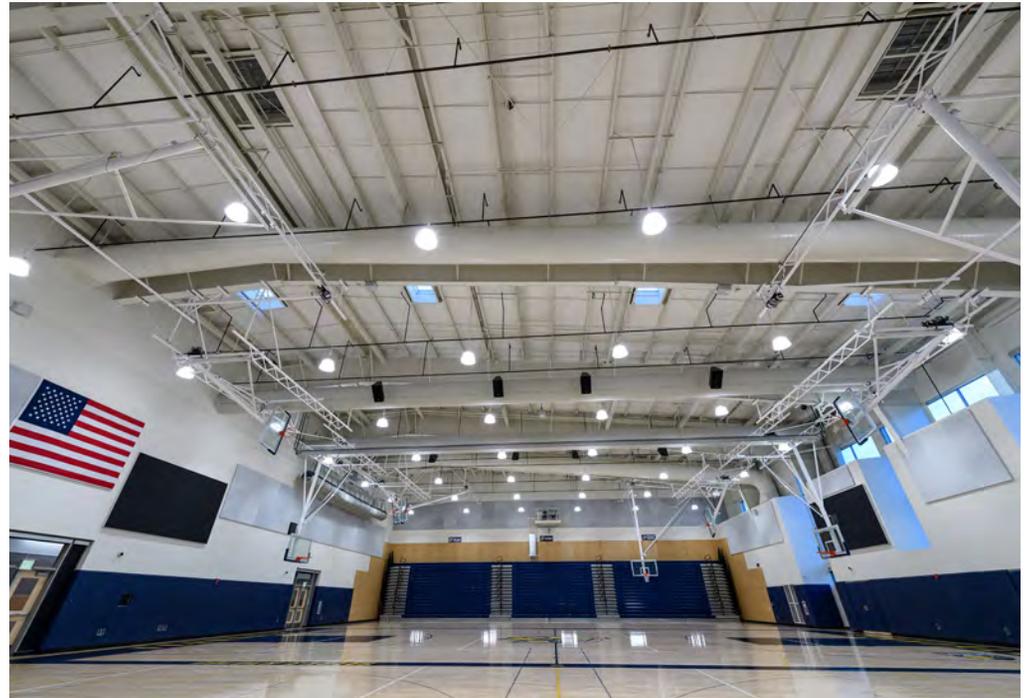
NEW FOLIOS IN 2024

St. David's Performance Center, Austin
FC Soccer Club, Austin, Texas

Milne Center for Ocean Science and
Conservation, Mystic, Connecticut

KIPP Texas Somos Campus, San
Antonio, Texas

Hardesty Center for Dance Education,
Broken Arrow, Oklahoma



Ferndale High School • Ferndale, WA

Highlights of an Exceptional Year

Like design codes, energy codes and sustainability requirements continually evolve. Our committee works to keep MBMA resources up to date. We're also deeply involved in some of the leading energy codes and standards development processes to ensure that metal building systems are handled fairly and accurately.

One highpoint of our committee's activities in 2024 was the publication, Energy Design Guide for Metal Building Systems: Code Compliance 2nd Edition. It covers ASHRAE 90.1-2016 through 2022 and the 2018 through 2024 IECC. We added significant detail and cited source tables and sections in the energy codes and standards. Importantly, this revision aligns two MBMA resources: the Energy

Code Compliance: A Guide for Metal Building Contractors and the Energy Design Guide for Metal Building Systems. This alignment will reduce duplication of information within the two guides and help to make the code requirements more understandable. This resource is available to you as a free PDF download at MBMA.com.

Another highlight of our activities was undertaken by our COMcheck Solutions for Code Compliance Task Group. As a result of their efforts, we published COMcheck™ Frequently Asked Questions for Metal Building Systems. It provides answers to commonly asked questions related to U-factors, roofs, insulation, doors, insulation, code issues—and much more. Get your free downloadable version at MBMA.com.

Yet another success this year was our collaboration with MBMA's Technical Committee to initiate a project that will investigate potential solutions to help

the industry meet the requirements in Chapter 14 regarding water-resistive barriers and/or develop documented evidence to support changes to the provisions in Chapter 14 regarding metal building systems. The results of this work will likely lead to positive, long-term impacts for our industry.

I want to thank the committee and task group members that actively participate and allow us to do these important tasks. And thanks to the employers of these volunteers for allowing them to devote some of their time to better our industry. We can always use more assistance monitoring and reviewing proposed updates. If you would like to join the committee and/or one of its task groups, please let me know at Greg.Effland@bsbna.com.



FUTURE GOALS

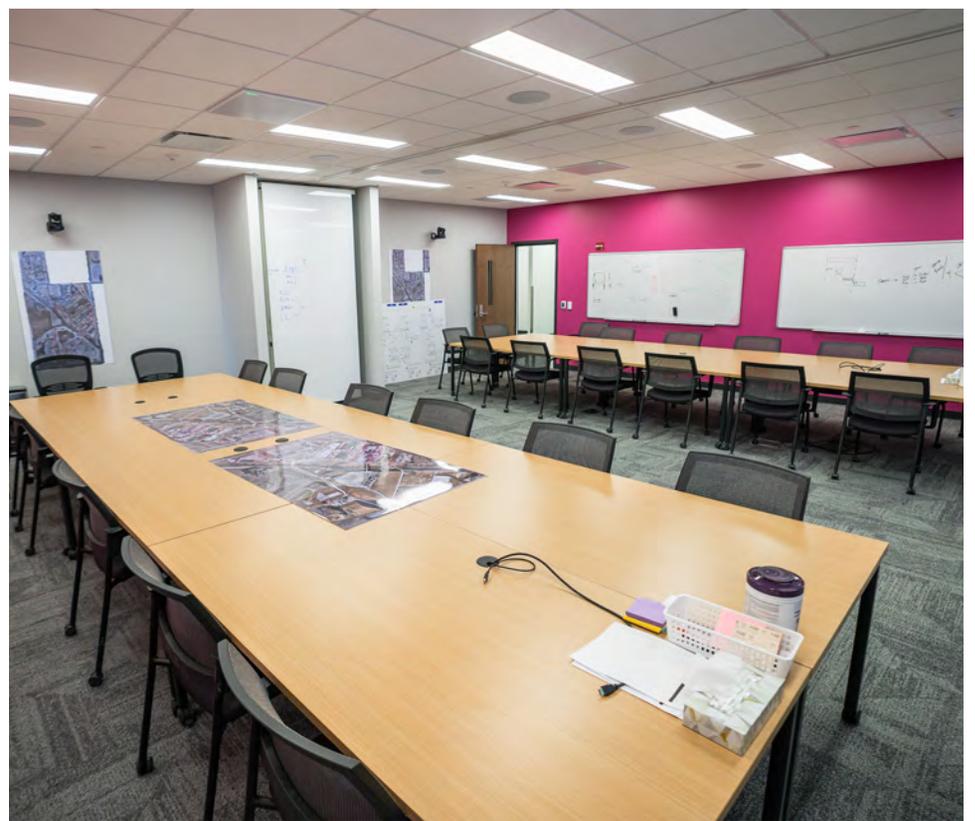
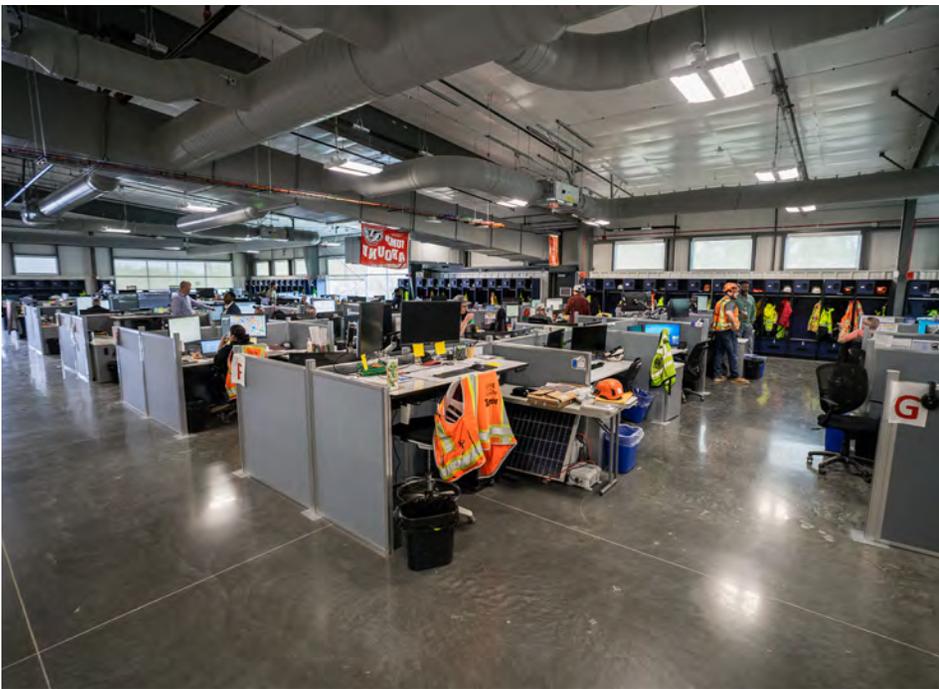
In 2025, we plan to complete a variety of videos to supplement the Air Leakage Testing Best Practices Guide.

Our objective for the Hygrothermal Analysis project is to progress enough that we can start determining the scope of a best practices guide for hygrothermal analysis of metal building systems.

We will provide guidance to update MBMA's Comparison of Environmental Impact Report from Walter P. Moore, which should be completed in 2025.



Greg Effland
Committee
Chair



Focus in on Guidelines, Updates and Education

A great deal has been going on this year with the Fire & Insurance Committee. The Fire Resistance Design Guide, which is cobranded with the International Code Council (ICC), was a significant project. You'll be hearing more about this in the days ahead.

Roughly 30% of questions MBMA receives each year are fire-related questions—including head-of-wall / end-of-wall details. This year, we extended two head-of-wall joint systems from a one-hour to a two-hour rating via a detailed engineering evaluation. This opens the door to extend the remaining 10 joint systems. The higher rated assemblies address the demand for assemblies with longer duration ratings. We hope that architects start to specify

this joint system. We are submitting a potential session on this topic at the 2025 AIA Conference on Architecture & Design.

This year we were also pleased when MBMA Senior Staff Engineer Vincent Sagan presented a two-hour class titled Fire Protection for Metal Buildings Systems to the Metal Building Contractors and Erectors Association (MBCEA) Carolinas chapter. The class, approved by the North Carolina Licensing Board for General Contractors, includes information on the new head-of-wall continuity joint system that accommodates a fully insulated roof purlin cavity without the need to adjust, compress or interrupt the roof insulation.

Our hail research projects and publications are showing the insurance industry the resiliency of our metal roof systems. We continue to monitor the Insurance Institute for Business & Home Safety (IBHS) hail study (four-plus years and ongoing) as well as FM Global's very severe hail requirements.



Russell Benton
Committee
Chair



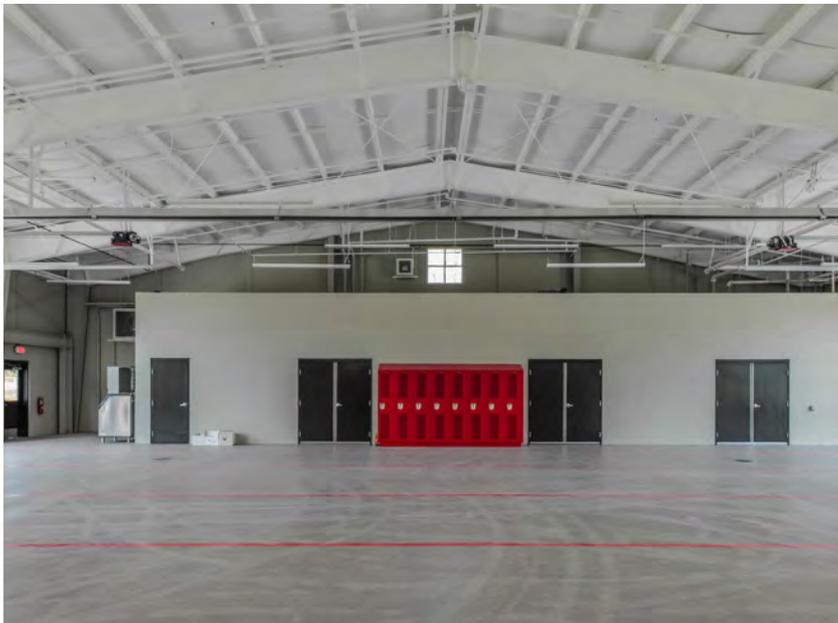
2025 INITIATIVES

Perform the engineering studies to extend the 10 remaining MBMA head-of-wall one-hour joint systems to be two-hour joint systems.

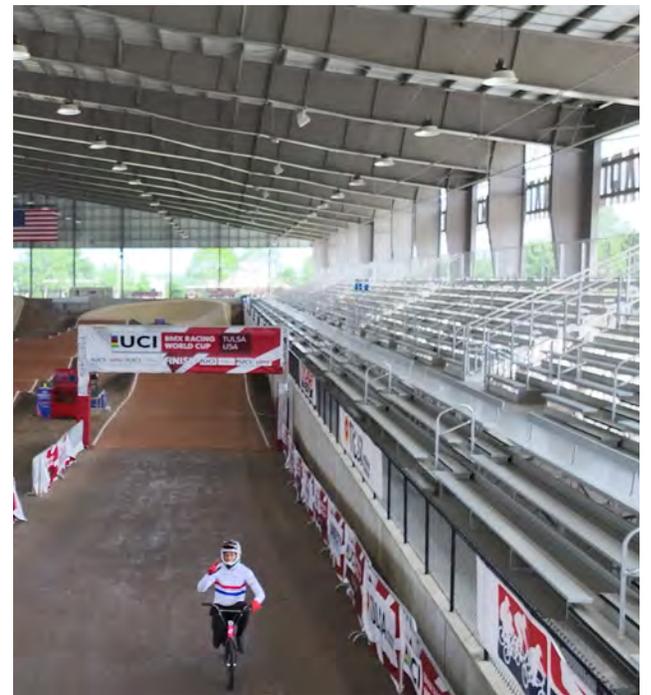
Perform a strategic study on ways to increase the duration of MBMA fire-resistance-rated assemblies and joint systems. Three-hour fire ratings are emerging as a new trend.

Update the second edition of the Fire Resistance Design Guide for the 2024 IBC.

Develop end-of-wall details, a common request from architects who are designing metal buildings with fire barriers.



Northwest Harnett Volunteer Fire Station No. 3 • Fuquay-Varina, NC





BMX National Headquarters, Museum and Hardesty National Stadium Tulsa, OK

“USA BMX chose a metal building structure for the design flexibility as well as the efficiency and achieving large clear spans like we have here—272 feet to be exact.”

-Justin Willett, president
Fleming Construction Group



Paving the Path to Innovation

This year has marked an exciting evolution for the MBMA Marketing Committee, as we continue to drive initiatives that elevate our members' visibility while broadening the public's understanding of metal building systems. With each project, we reinforce our commitment to helping MBMA members succeed in a rapidly changing world.

Empowering Members and Educating the Public with Our New Website

A significant milestone for us this year has been the launch of the new MBMA website—a tool that will change how we connect with members, architects and the general construction community. It serves



Greg Andrews
Committee
Chair

as a hub where the public can explore the endless possibilities that metal buildings offer.

With enhanced functionality and an easy-to-navigate design, the website opens up new engagement opportunities with architects, builders and potential clients looking for innovative metal building solutions.

Embracing the Challenges of a Changing Information Landscape

As digital trends evolve, we recognize the need to stay ahead of the curve. This year, we've continued to expand our method of reaching your audience through targeted content and digital storytelling. Our "Travels with Tony" video series has been a standout success, with a recent video amassing over 41,000 views. This level of engagement not only demonstrates our audience's interest, but also cements MBMA's place as an industry thought leader in innovative communication.



On platforms like LinkedIn and YouTube, we've seen continued growth and engagement, allowing us to share members' stories while positioning MBMA as a go-to resource for reliable information on metal building systems.

Looking Ahead—Listening, Learning and Leading

As we move forward, we will continue to listen carefully to feedback from both members and the MBMA community to ensure our strategies remain relevant and impactful. Whether it's through further website enhancements, expanded video content or new educational tools, our goal is to keep MBMA and its members at the forefront of the industry.

Together, we're shaping the future of metal building systems, and with your continued support, there's no limit to what we can achieve.



Muckleshoot Indian Tribe Community Center • Auburn, WA

Safety Has No Shortcuts

First of all, I would like to emphasize the importance of safety to the entire association, including each member company and each of its locations. A vibrant safety program boosts employee morale, increases quality and production, improves operations and mitigates insurance risks and exposure to Occupational Safety and Health Administration (OSHA) audits.

Secondly, I would like to congratulate the MBMA member locations that continue to faithfully participate in MBMA's Safety Awards program year after year. Since 2011, MBMA and our Safety Committee have presented awards to 369 plants and facilities. This year's program presented MBMA's awards in three categories.



David Weatherford
Committee
Chair

The 2023 Superior Safety Award was presented to three plants that achieved zero recordable cases for the entire calendar year, which is a significant accomplishment. The 17 member locations that received the 2023 Safety Performance Award achieved an incident rate equal to 50% or less than the OSHA industry average. The 2023 Associate Member Superior Safety Award went to 57 facilities that achieved zero recordable cases for the year, also a major achievement. We are proud to honor those members who have exceptional safety records and who continue to support and encourage the work of the safety professionals on our committee.

In other news, the Safety Committee met in Nashville this September to discuss best practices and consider proactive ways that we can promote workplace safety. We welcomed the highest attendance ever, and we continue adding to our diverse discussions by encouraging production



USEFUL WEBINAR RESOURCES

[How to Build a Hand Safety Program](#)

[VR and Gaming Simulations Disrupt the Safety Training Industry](#)

[Overhead Crane Safety Q&A](#)

personnel to attend along with safety personnel. After all, a vibrant safety culture requires everyone's input.

Throughout the years, our committee has come up with a variety of safety resources, such as the webinars listed in the sidebar. If you'd like to know more about using the webinars to educate and train your own employees, please contact Tony Bouquot at mbma@mbma.org.



Eau Claire Event District • Eau Claire, WI

Data Fuels Smart Decisions

You might think a Statistics Committee wouldn't have much fun...but ours does. We manage the process of building and maintaining consistent statistical data that helps MBMA members make smart decisions for their businesses.

For example, our committee held a virtual meeting in June to discuss the Net Promoter Score (NPS) survey that we implemented last year. It aggregates data from metal building systems customers, showing how likely they are to recommend their metal building supplier to a friend or colleague. Each quarter we shared an overall report with all member firms. In addition, metal building manufacturing firms with five or more

ratings received individual reports. The information is valuable and not available from any other source. Over time, it will help us look at trends for MBMA members individually as well as for the greater metal building industry. After its first year, we requested feedback from respondents and they recommended that we change the frequency from quarterly to twice a year.

We've also discovered that some MBMA members would like us to launch a new survey to better understand the demographics of the workforce in the U.S. domestic metal building systems industry. Our goal is for the information collected from this survey to be useful to MBMA and its member companies in identifying opportunities. Additionally, MBMA members would like us to consider creating a more robust "forecast" survey (i.e., a "business outlook"). So, we have two action items moving into the new year.



Dylan DiGregorio
Committee
Chair



FIVE MOST POPULAR REPORTS

Monthly Business Conditions Report

Monthly Shipments, Orders Received and Backlog Report

Quarterly County Shipment Report

Annual End-Use Report

Annual OSHA Injury Statistics – Individual Plant Locations

We had a second virtual meeting in September to go through all of our surveys and individual reports to see if we need to make changes. We also viewed member participation in surveys and discussed how to increase involvement.

Interestingly, this year we've received a lot of requests from members for additional data that they were not aware they had access to already. In 2025, we plan to initiate a quarterly report for members to let them know what data came out within the last few months.



Better Body Foods • Spanish Fork, UT

Research & Leadership Continuing a Heritage of Success

We are very proud to be in the final stretch of completing additions and updates to MBMA's signature publication, the Metal Building Systems Manual. MBMA literally "wrote the book" on metal building systems in 1959 and MBMA's Technical Committee members have consistently updated it through the years. We are proud to say that it remains *the* standard foundational information source for the metal building community.

The 2024 addition is once again cobranded with the International Code Council (ICC). ICC's logo will grace the manual cover next to MBMA's, and



Dustin Cole, PE
Committee
Chair

ICC staff's detailed and careful review of the 600-plus pages has been much appreciated.

So, what will you find in the updated manual? You'll discover significant changes in snow load data, new tornado design and many specific details and recommendations that will help MBMA members and the industry when adhering to IBC 2024. We have updated all examples and added new materials so you will find many opportunities to expand your own knowledge as you review the new document.

Let me also send a big shout-out to the 20 or so members of the Technical Committee task group who worked so diligently to make this new edition of the manual the best it can be. Their gift of time, knowledge, expertise and commitment cannot be overstated. In 2025, we will continue our leadership role in ASCE 7-28. Our work will help



ASCE 7-28 ACTION ITEMS

Establish new wind load provisions.

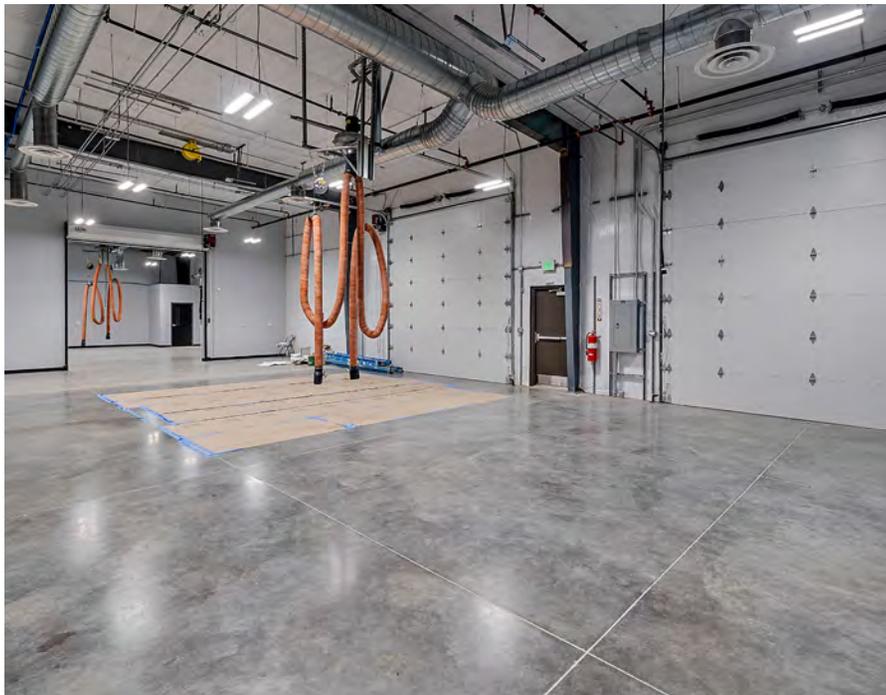
Enhance roof live load understanding.

Leverage seismic research in relaxing limits of rigid frame use.

Develop load combinations that are safe/conservative without loss of competitiveness.

shape these provisions and adoption into IBC for minimum loads and describe how you put those loads together. This will consequently impact the entire building industry and result in improved safety balanced with metal building system competitiveness.

We will also assist MBMA in becoming an American National Standards Institute (ANSI) Standards Development Organization. This will help us in achieving accreditation for maintaining and creating test standards for cold-formed steel applications.



Toro Robotics • Frederick, CO



Milne Center for Ocean Science and Conservation Mystic, CT

“If you look at the Milne Center, you would never have expected that we did this with a metal building. You’d say all day long that it’s a conventional steel building. But there is so much flexibility in designing with a metal building system.”

— Daniel Carlin, director of operations
Carlin Construction





TECHNICAL & EDUCATIONAL MATERIALS

MBMA provides a wide variety of technical and educational resources available to anyone interested in the metal building industry, such as metal building professionals, architects, engineers, developers, owners, builders, potential customers, educators and students. Most of these materials are available for free download.

Technical Manuals & Guidebooks

Download previews and full documents or order print versions at www.techstreet.com/mbma.



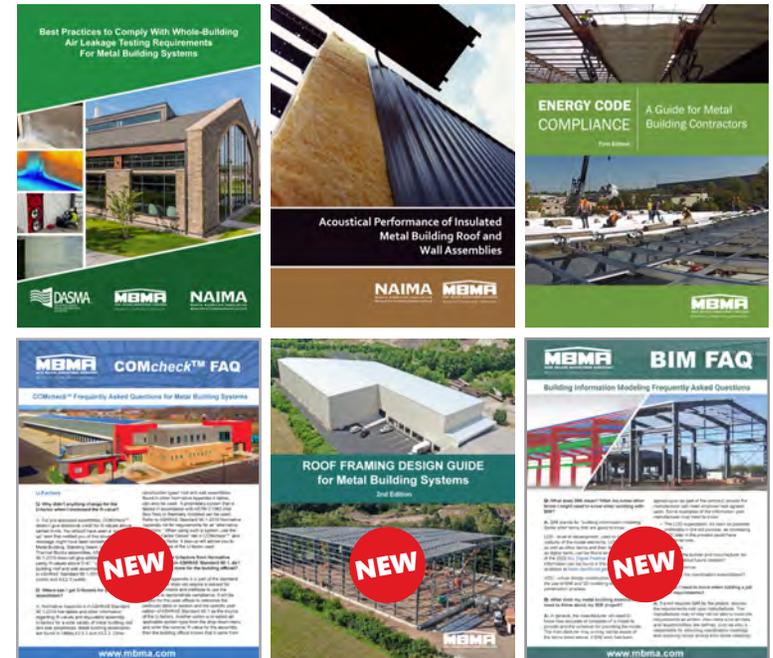
Case Studies

Download free brochures highlighting multiple case studies in each market at mbma.com.



Technical & Educational Materials

Download a variety of free materials at mbma.com.



Project Folios

Download free brochures featuring an in-depth look at a specific metal building project at mbmaeducation.org.



Continuing Education For AIA Credits



Produced in partnership with the American Institute of Architects (AIA) and Architectural Record magazine, MBMA’s CEU/LU courses are extremely popular with AIA members and others in the architectural community. Each program is now available through Architectural Record’s Continuing Education Center: www.architecturalrecord.com/topics/2141-architect-continuing-education.

Popular Video Resources

Access over 50 video resources at www.youtube.com/MBMAmedia.



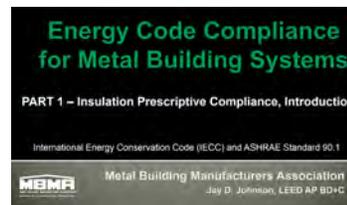
Travels with Tony Series

Join MBMA general manager and host Tony Bouquot as he gives viewers an inside look at interesting metal buildings at www.youtube.com/MBMAmedia.



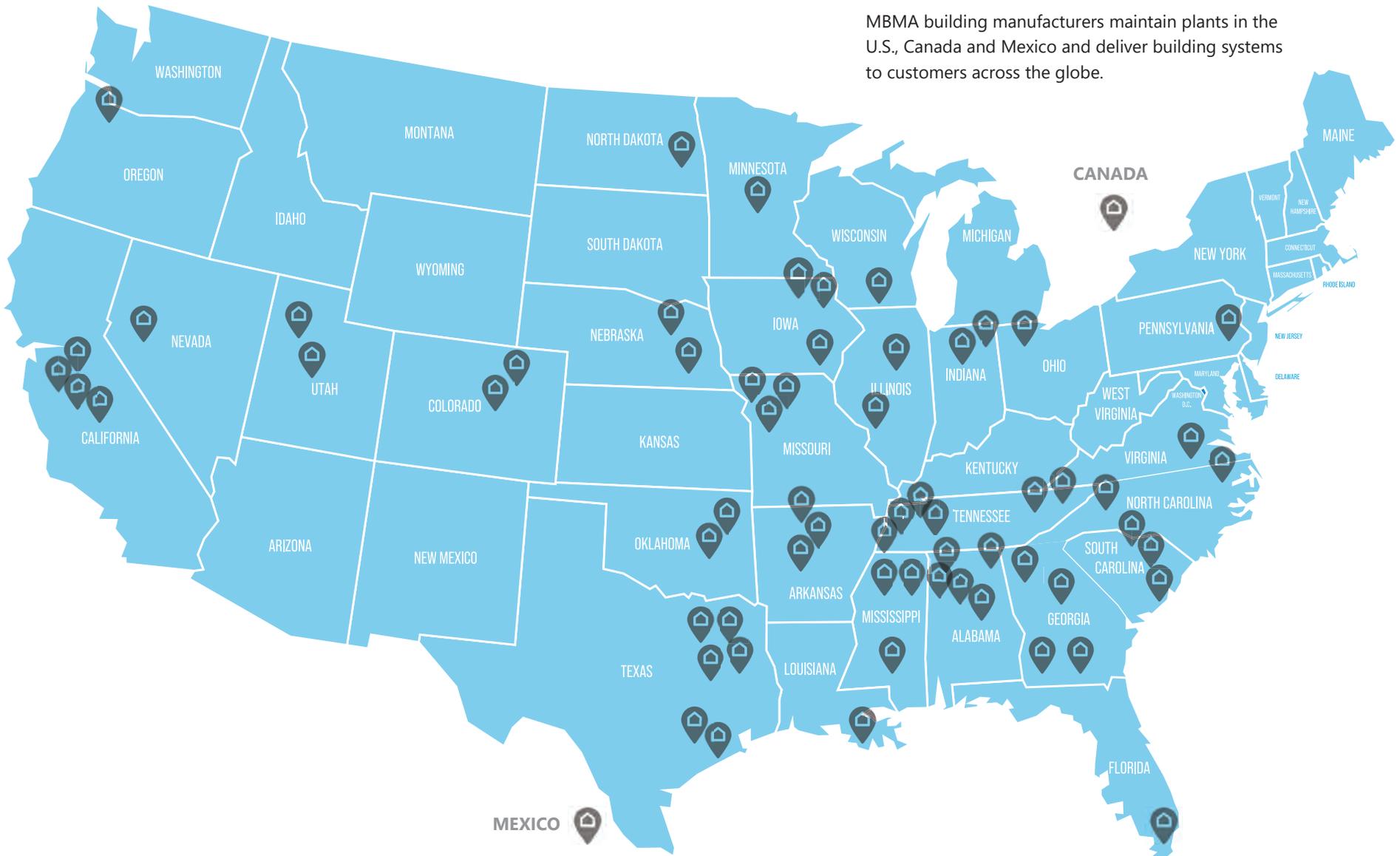
Webinars

Check out these webinars at www.youtube.com/MBMAmedia.



MBMA MEMBER MANUFACTURING PLANTS

MBMA building manufacturers maintain plants in the U.S., Canada and Mexico and deliver building systems to customers across the globe.



ALABAMA

Cullman
Eufaula
Florence
Hueytown
Muscle Shoals
Rainsville

ARKANSAS

Cabot
North Little Rock
Pine Bluff

CALIFORNIA

Atwater
Lathrop
Lockeford
Turlock
Visalia

COLORADO

Denver
Frederick

FLORIDA

Fort Myers

GEORGIA

Adel
Cedartown
Lithia Springs
Thomasville

ILLINOIS

El Paso

INDIANA

Rensselaer
Waterloo

IOWA

Monticello
Mount Pleasant
Sheffield

LOUISIANA

Harahan

MASSACHUSETTS

Sutton

MINNESOTA

Freeport

MISSISSIPPI

Batesville
Brookhaven
Columbus
Sattilo

MISSOURI

Cameron
Kansas City
St. Joseph

NEBRASKA

Albion
Columbus
Grand Island

NEVADA

Carson City

NORTH CAROLINA

Greensboro
Rocky Mount

NORTH DAKOTA

Jamestown

OHIO

Kenton

OKLAHOMA

Claremore
Oklahoma City

OREGON

Woodburn

PENNSYLVANIA

Anville

SOUTH CAROLINA

Lancaster
Swansea
Walterboro

TENNESSEE

Caryville
Elizabethton
Jackson
Lexington
Memphis
Portland

TEXAS

Athens
Hockley
Houston
Irving
Terrell
Tyler

UTAH

Brigham City
Ephraim

VIRGINIA

La Crosse

WISCONSIN

Evansville

CANADA

Ancaster

MEXICO

Monterrey



Jacksonville Jaguars Indoor Practice Facility • Jacksonville, FL



St. Ambrose Catholic Church • Annadale, VA



Burke's Outdoor Equipment • Valparaiso, IN

MBMA MEMBERSHIP

BUILDING SYSTEMS MEMBERS

ACI Building Systems
AGI Sentinel
Alliance Steel, Inc.
American Buildings Company
Ascent Buildings, LLC
Associated Steel Group
Baker Industrial Fabrication
Behlen Building Systems
Bigbee Steel Buildings
BlueScope Buildings North America
Butler Manufacturing
CBC Steel Buildings
Ceco Building Systems
Chief Buildings
CO Building Systems
Cornerstone Building Brands
Dean Steel Buildings
Golden Giant
Inland Buildings

Kirby Building Systems
Ludwig Buildings Enterprises
Metallic Building Company
Northern Building Systems
Nucor Building Systems
Pacific Building Systems
Package Steel Systems
Pinnacle Structures
Red Dot Buildings
Robertson Building Systems
Schulte Building Systems
Spirco Manufacturing
Star Building Systems
Sukup Manufacturing Company
Sunward Steel Buildings
Tyler Building Systems, L.P.
Varco Pruden Buildings
Vulcan Steel Structures
Whirlwind Steel Buildings

ASSOCIATE MEMBERS

ABIS
Akzo Nobel Coatings
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Applied Testing & Geosciences
Atlas Bolt & Screw Company
AZZ Precoat Metals
Bay Insulation Company
Benchmark Consulting & Inspection
Birmingham Fastener
Building Envelope Consultants
Building Products Development
Building Research Systems
CertainTeed Corporation
CIDAN Machinery
Commercial Metals Company
Crane Composites
Curbs Plus
Diamond Door Products



Sunbelt Rental Facility • Augusta, ME



New Holland Brewing Co. • Battle Creek, MI



8A Developers Flex Warehouses • Brandenton, FL

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 Donovan Group
 DuPont
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 RMG Erectors & Constructors, LLC
 Robert Sage Careers, LLC
 Roof Hugger

R-Seal
 S-5! Attachment Solutions
 Sealed "N" Safe
 SFS intec
 Sherwin-Williams Company
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 Tell Manufacturing
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 The Bardominium Company
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 Triangle Fastener Corporation
 United States Steel Corporation
 Wurth Construction Services



Oregon City Christian Church Community Center • Oregon City, OR



E&K of Kansas City • Grandview, MD



Tyson Office Building • Hanceville, AL

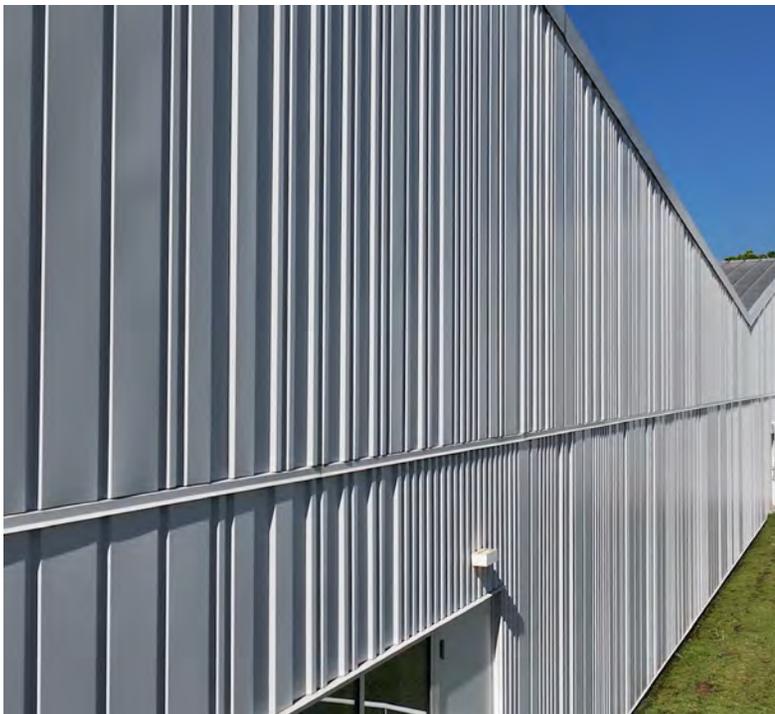


Hardesty Center for Dance Education Broken Arrow, OK

“We could not have produced this effect with conventional steel framing and stayed within the budget. That never would have happened. Metal buildings allow you to create shapes that might be economically off the table otherwise.”

— Robert Schaefer, co-founder and former principal
Selsler Schaefer Architects (now Narrate Design)







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