

NATIONAL
FRAME
B U I L D E R M A G A Z I N E

FEB 2022
Vol.3 No.1

**FRAME BUILDING EXPO
VISITS THE MUSIC CITY**

Highlights from the 2022
NFBA Frame Building Expo

TECHNOLOGY & RESEARCH

Design Considerations for
Post-Frame Buildings in
Hurricane Regions

LEGALLY SPEAKING

Accident Investigations -
Part One

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8. I shall, in good faith, furnish to the proper building authorities all certifications regarding professional or structural engineering and loading standards that are required of me.
9. I shall **encourage my fellow employees, my fellow members** of the National Frame Building Association, and my colleagues to adhere to this Code of Ethics.

Help grow your business by joining this distinguished group of post-frame builders.



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Accident Investigations - Part One

As we all know, as hard as we try, accidents do occur. When they do occur, it is important to perform an accident investigation to determine the cause of the accident.



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Frame Building Expo Visits the Music City

The 54th annual Frame Building Expo made its way to Music City in late January, attracting post-frame builders and suppliers from throughout the country. The Gaylord Opryland Resort Nashville, Tennessee, was the home of the post-frame industry for three days.



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FIND US   

Hello & Welcome



When 2021 came to an end, a lot of us thought all the unknowns surrounding COVID-19 were well on their way to being behind us. I don't think any of us knew we would still be dealing with the many issues the global pandemic has caused, not only with the health and safety of our families, friends, and employees, but in the running of our home lives and businesses as well. Like so many other industry events, NFBA was forced to cancel the 2021 Frame Building Expo, making this year's Conference and Expo in Nashville, TN even more special than usual. If you were there, you felt the buzz and excitement. But if you couldn't make it, this issue of Frame Building Magazine is where you can see and be jealous of everything you missed.

Inside you will find 3 action-packed days' worth of photo highlights. From the outstanding educational sessions to Keynote Speaker Lt. Col. Waldo Waldman, to the afterhours social events and the Expo Floor, something new was around every corner. You will also find the 2021 Building of the Year (BOY) Award Winners, the Excellence in Safety Award Winners, the 2021 Crew Foreman of the Year, and the 2021 Bernon G. Perkins Award Winner. So much goes into these award submissions and these winners are truly deserving of the recognition for all of their hard work.

On behalf of the National Frame Building Association's Board and Committee Members, I would like to thank you for your participation at the 54th Annual NFBA Expo. I hope you had a successful show, enjoyed the week's festivities, and had a chance to make business contacts both old and new. Our Builder Members, Exhibitors, Sponsors, and Post Frame Advantage Donors are the driving force that allows the Association to continue to provide our members with quality education and a full Expo where they can learn about the latest technology and products to advance their operations, and in turn, the industry as a whole.

Mark your calendars to join us next year, February 22-24, 2023 in Louisville, KY. Until then, stay safe and healthy.

Rachel Pinkus
Editor



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A MESSAGE FROM

MARK BILLSTROM PRESIDENT, NFBA BOARD OF DIRECTORS

Thank you to everyone for attending the 54th Annual NFBA Conference & Expo and I hope you and your families enjoyed your time at the beautiful Gaylord Opryland Hotel in Nashville. We had an excellent Expo with a record number of booth sales and attendees! Through the social events, educational sessions, and Expo floor activities, I met many new people and reconnected with industry folks that I have not been in touch with for a while. I hope those of you who attended had a great time too and that you were able to experience all of the things that the Conference and Expo had to offer this year.



I want to commend those companies that participated in this year's Building of the Year Awards and those who received recognition for the Gail Miller Excellence in Safety Award. As always, NFBA Members who put their best foot forward were celebrated at the Annual Awards Luncheon amongst their peers and they will continue to reap the benefits of participation throughout the year as they are recognized in this official NFBA Magazine, as well as in press releases and on our social media outlets. I also want to congratulate the winner of the Bernon G. Perkins Award, Matt Greiner with Greiner Buildings, Inc. This is one of NFBA's highest recognitions and is named in honor of a true pioneer of the post-frame industry. Perkins furthered the pole building's evolution from a temporary structure into a long-lasting one. We keep his legacy at the forefront by recognizing individuals who have shown exemplary dedication to the post-frame industry and Matt has definitely earned that recognition. We closed the Award Luncheon with one last special award. NFBA had the honor of presenting Dr. Harvey Manbeck with a Lifetime Achievement Award to show our appreciation for all that he has done for NFBA and the post frame industry. If you have been a member of NFBA or just in the post frame world for the last 30+ years, I'm sure you know of Harvey and all of his hard work and dedication to the Association and the industry.

Lastly, I want to highlight an NFBA initiative years in the making that came to fruition at this year's Expo: The NFBA Post-Frame Construction Curriculum! This curriculum is a teaching tool for the basics of post-frame construction and can be used internally with your company's existing hiring and training processes and includes: a Textbook, a Student Workbook, an Instructor Manual, and an Optional Online Certification. For details or to purchase this new product, contact Morgan Arwood at marwood@nfba.org or 800-557-6957.

It was great seeing you all at Expo and I hope everyone has prosperous spring building season!

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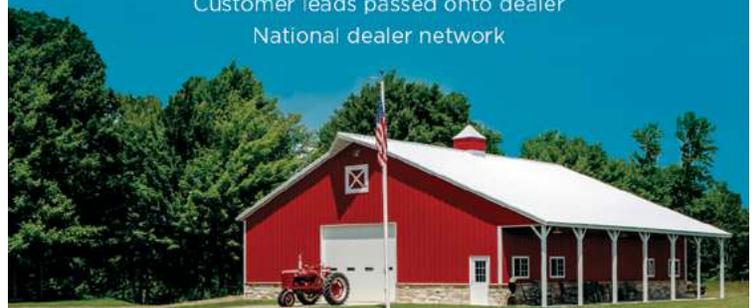
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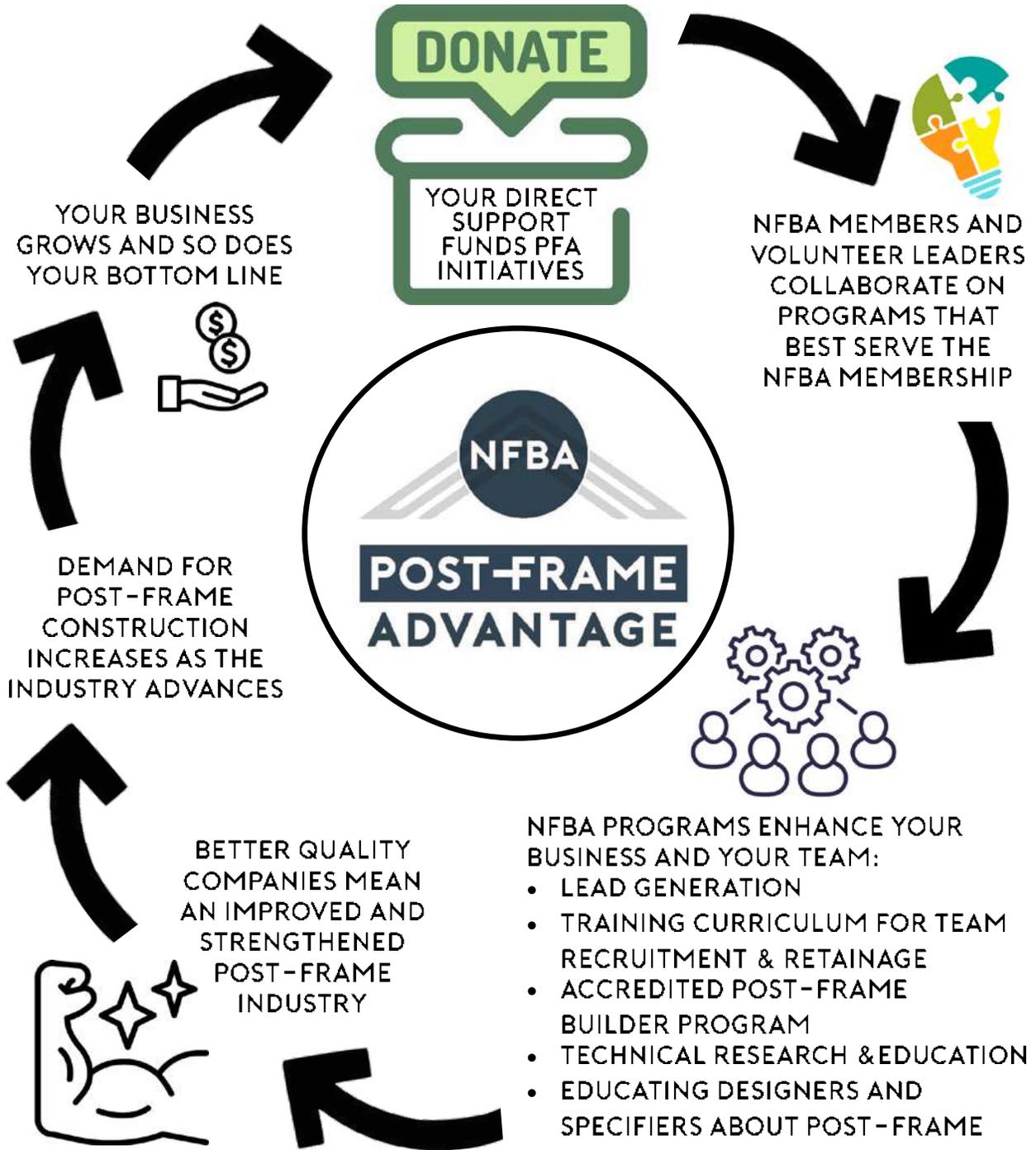
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DESIGN CONSIDERATIONS FOR POST-FRAME BUILDINGS IN HURRICANE REGIONS

Dimitry Reznik, P.E.
TIMBER TECH ENGINEERING, INC.

Post-frame buildings are some of the most cost-efficient, yet resilient, construction systems available today. In rural America, these buildings have been a fixture for decades, providing housing for livestock, space for farm equipment, equestrian facilities, and shop uses. More recently, post-frame buildings have been making their way into residential, business, and industrial districts as private homes, office buildings, warehouses, retail space, educational facilities, recreational structures, and places of worship. Many of these buildings are being constructed in hurricane-prone regions with extreme winds and impact loads from wind-borne debris. In such areas, cladding and all wind-resisting components of the structure are likely to be tested repeatedly during the life of the structure. Post-frame buildings are

well-suited for these load conditions and are up to the challenge. Hurricane load conditions, however, are a real threat to any building and should not be underestimated. This article provides a simplified overview of general design considerations, reviews the components of wind-resisting systems, notes common design and installation oversights, and references wind-borne impact design requirements for buildings located in hurricane-prone regions.

The most recognized characteristic of any hurricane is the high wind speed. Wind speed is the base value for calculating wind loads on a building. The Minimum Design Loads and Associated Criteria for Buildings and Other Structures standard published by the American Society of Civil Engineers (ASCE/SEI 7) defines Hurricane-Prone Regions as coastal areas along the

Atlantic Ocean and Gulf of Mexico where the basic wind speed for Risk Category II buildings is greater than 115 mph (Figure 1).

Less obvious is the relationship between the wind speed and the wind load effect on

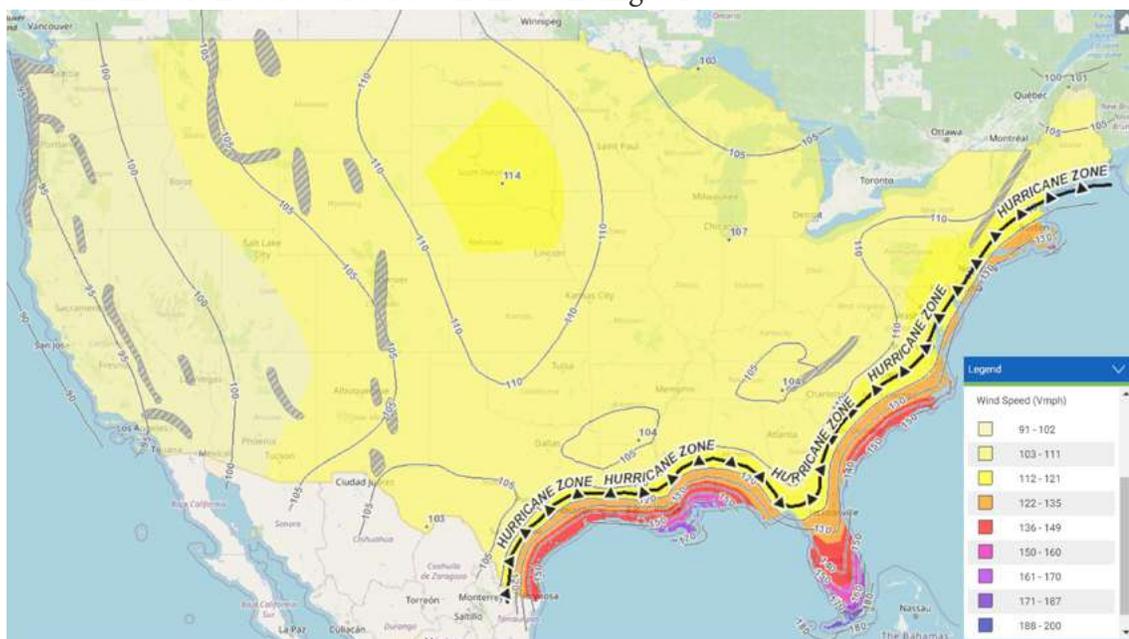


Figure 1: Hurricane Wind Load Map (image provided by ASCE 7 Online HAZARD TOOL: ASCE/SEI 7-16)

the building. Extreme wind speeds create even more extreme load effects on the building. A 10% increase in wind speed results in an approximately 20% increase in wind load on the building. A building located in a 180 mph area may be subjected to a wind load that is two and a half times greater than the wind load produced by 115 mph winds, while the increase in wind speed is only 57%. To put this in perspective, if the relationship between the wind speed and the wind load effect was linear, the wind speed in the latter example would be over 280 mph (2.5 times 115 mph). Additionally, the nature of hurricane winds leads to a potentially longer duration of exposure and from more directions than other sources of high wind.

Constructing a post-frame building that will safely and predictably withstand hurricane loads cannot be done without an analysis-based design. It is true that many non-engineered post-frame buildings withstood the test of time. The strength and safety of such buildings, however, is an unknown quantity. Building “by ear” is not advisable especially for buildings located in hurricane regions. Fortunately, the design procedures are the same and are governed by the same design standards as post-frame buildings located elsewhere in the country. ASCE/SEI 7 provides separate provisions for wind pressures on components and cladding (C&C) and wind pressures on the main wind force resisting system (MWFRS). Each component and connection in the building’s envelope, including the cladding material, roof purlins or rafters, and wall girts should be sized and detailed to withstand the calculated local C&C wind pressures. The nearest members and connections of the MWFRS (columns, trusses) must be designed to receive the localized C&C loads from the cladding members and safely

transfer them into the larger MWFRS systems until they are absorbed entirely and no longer control the design. It is important to consider the edge and corner zones as defined in ASCE/SEI 7 and not skip any steps. Wind-related failures in buildings often start with corner and edge surfaces peeling away from the building. Installing additional intermediate purlins and girts and extra fasteners in these areas may be necessary.

Collectively, the MWFRS pressures on the building surfaces create a net lateral load on the building. The lateral force resisting system (LFRS) of the post-frame building, typically comprised of embedded columns, roof trusses, the roof diaphragm, and shear walls (endwalls and sidewalls), is responsible for providing a continuous path of load resistance between the load source, the wind, and the source of load resistance, the earth. Each component of the LFRS, especially the roof diaphragm, requires careful detailing to ensure that a continuous load path is provided. The design and detailing of splices in the diaphragm chords are often omitted. Figure 2 shows a diaphragm concept where the roof is separated into two smaller diaphragms, each having two diaphragm chords. Other concepts may use more or all roof purlins as diaphragm chords or use one large diaphragm with structural ridge

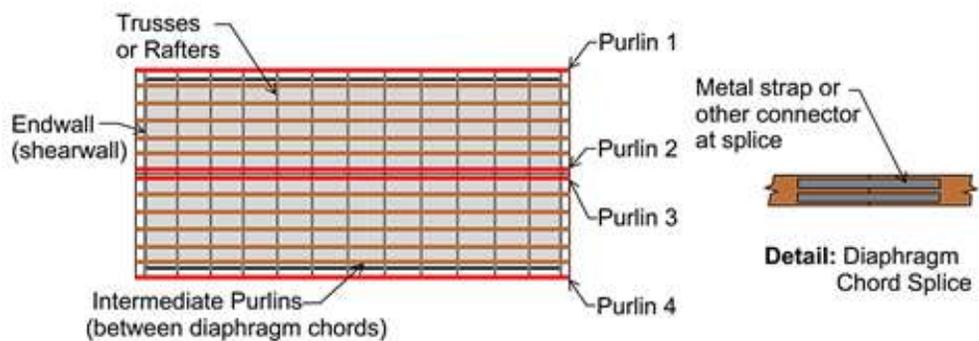


Figure 2: Roof diaphragm with some purlins as chords

cap capable of transferring shear forces between the two smaller diaphragms. Some of the other commonly overlooked areas include blocking

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between roof purlins at the endwalls (Figure 3),

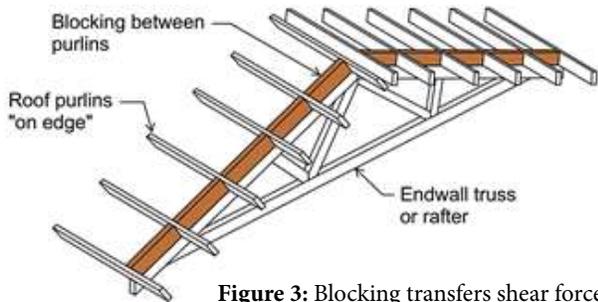


Figure 3: Blocking transfers shear forces.

shear transfer across a continuous horizontal strip of non-structural translucent wall panels (Figure 4), design and detailing of collector members and

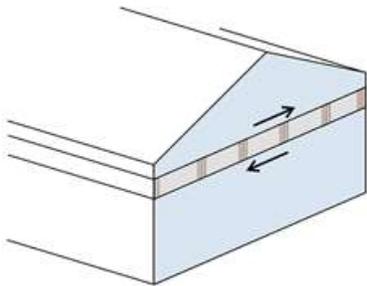


Figure 4: Shear Transfer complication at translucent panels

connections in buildings with shear walls or braced frames that are distantly spaced in the same wall (Figure 5), design of the skirt board and connections to transfer shear forces from the sheathing in the wall into the columns (Figure 6), and design complications related to the use of knee braces in the primary frames between columns and trusses.

Equally important are the building's components and connections resisting wind uplift forces, from roof sheathing, purlins, trusses/rafters, to columns

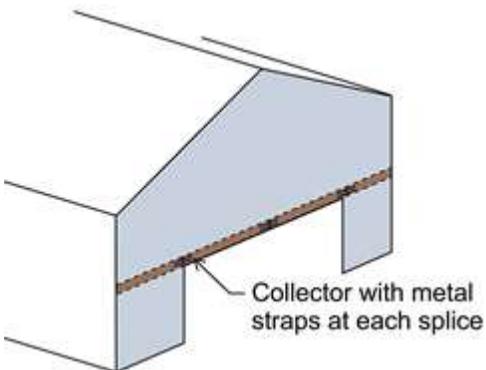


Figure 5: Collector members within shear walls

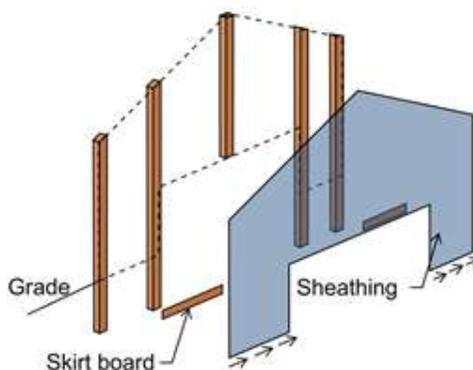


Figure 6: Multiple elements transfer lateral loads

and foundations. The secondary members and components are as important as the primary members. A local failure of the secondary members and components may create openings in the building's envelope potentially tripling the internal building pressures (GCpi of 0.55 vs 0.18) leading to progressive failures. The secondary roof components are also part of the lateral force resisting system: once the envelope is compromised, so is the building's ability to resist lateral loads.

Wind-borne debris is a major design consideration. ASCE/SEI 7 provisions stipulate that glazed openings must be impact-resistant or protected by impact-resistant covering in buildings located in areas with basic wind speeds of 140 mph or greater. This requirement also applies to buildings located within 1 mile of the coastal mean high water, where the basic wind speed is 130 mph or greater. If glazing is not impact-resistant or protected by an impact-resistant system, the glazing area should be treated as an opening - potentially changing the envelope enclosure classification from an "enclosed building" to a "partially-enclosed building". State and local codes may also require the wall and roof assemblies to be impact-resistant. The 2020 Florida Building Code (2020 FBC), for example, provides a list of approved wall and roof assemblies and requires testing for all other assemblies. Some wall and roof assemblies may require thicker gauge corrugated metal panels installed over plywood or OSB panels to achieve the required impact rating.

The continued expansion of post-frame construction is a welcome trend that should be embraced responsibly. Design and installation oversights may have high consequences. This is especially true for buildings located in hurricane-prone regions with high occupancy loads

or in densely-populated districts. In response, the post-frame industry combined the wealth of traditional construction practices, the standard engineering mechanics, and the empirical data to create post-frame-specific engineering standards and later the Post-Frame Building Design Manual (PFBDM, NFBA), the Non-Diaphragm Post-Frame Building Design Guide (NDPFBDG, NFBA), and other technical resources. Today, the post-frame industry can offer the familiar framing methods of traditional post-frame construction backed by modern engineering practices to produce post-frame buildings that can withstand the worst of the hurricane loads safely and predictably.

Dimitry A. Reznik is a design engineer at the Timber Tech Engineering Inc. Pennsylvania office. He is a certified P.E. in Pennsylvania. Dimitry graduated from the Pennsylvania State University in May 2007 with a B.S. in Architectural Engineering, Structural Option. He was hired by Timber Tech Engineering Inc. in September 2007.

This article was subjected to a peer review process conducted by the NFBA Editorial Committee, which consists of at least 10 members from engineering and academic organizations throughout the United States who are each knowledgeable about Post-Frame construction.

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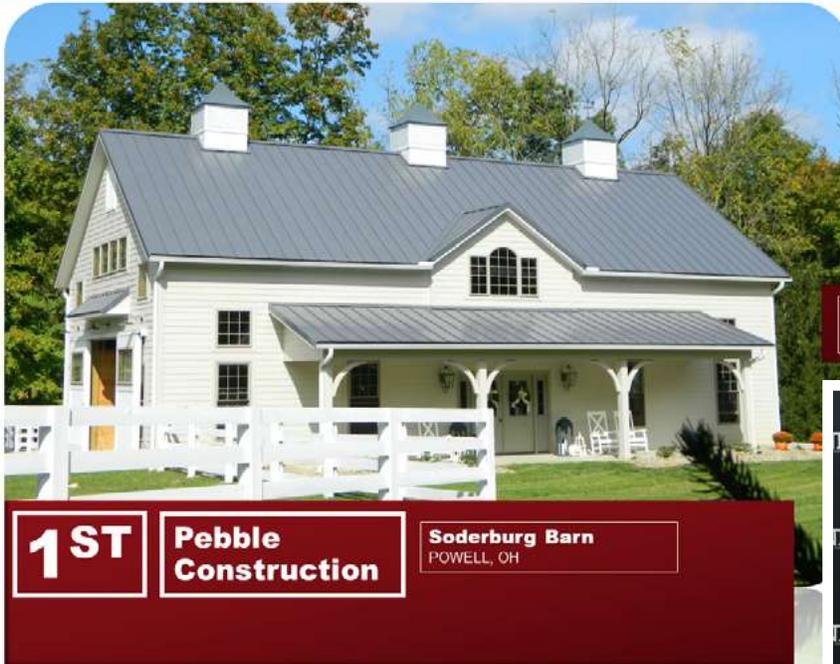
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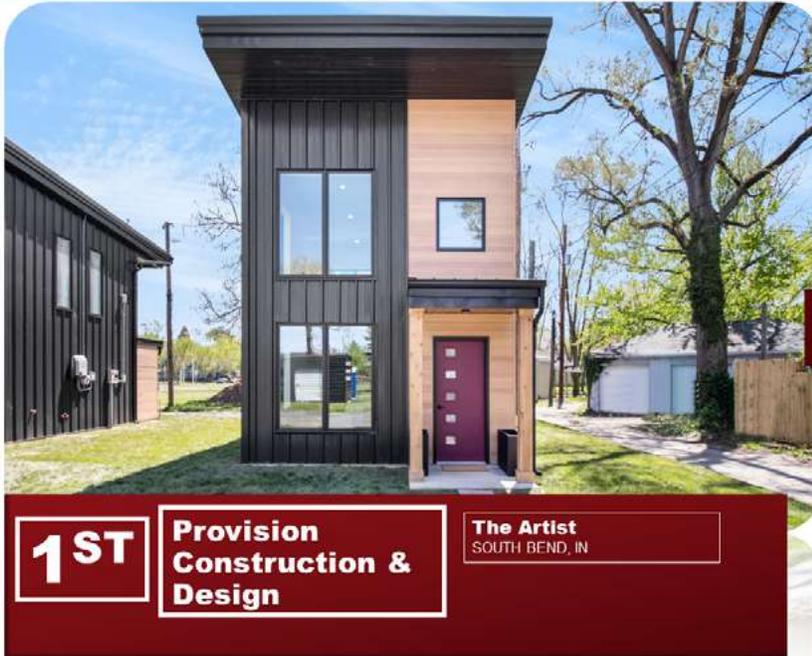
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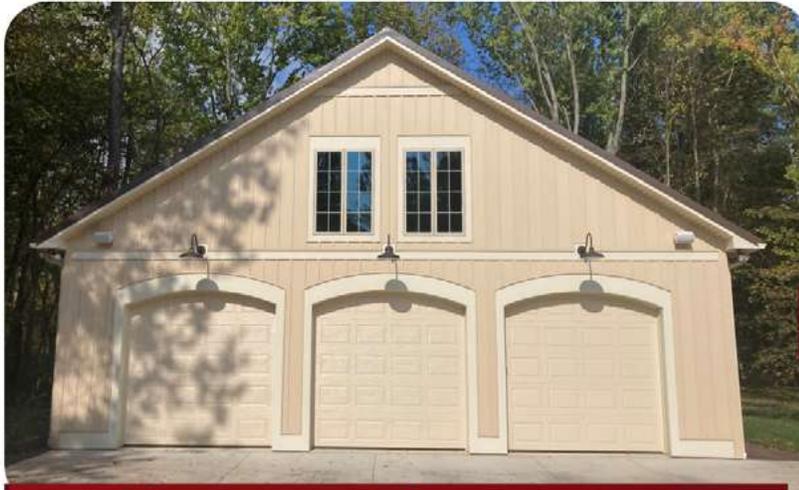
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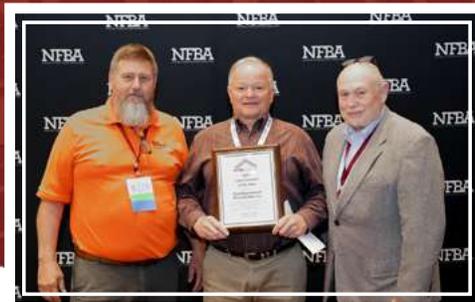
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BUILDING OF THE YEAR

NFBA NATIONAL FRAME BUILDING ASSOC.

MASTERS DIVISION



Agricultural Storage

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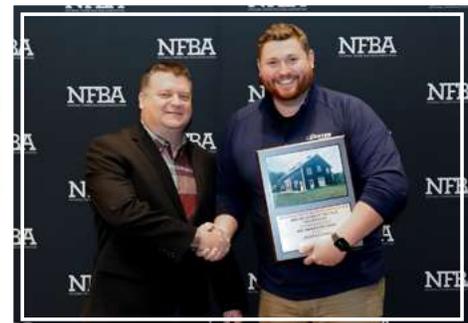


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Lester Buildings

Bee-Haven Event Barn
LAKE GENEVA, WI





COMMERCIAL BUILDINGS < 5K SQ FT

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Built for:
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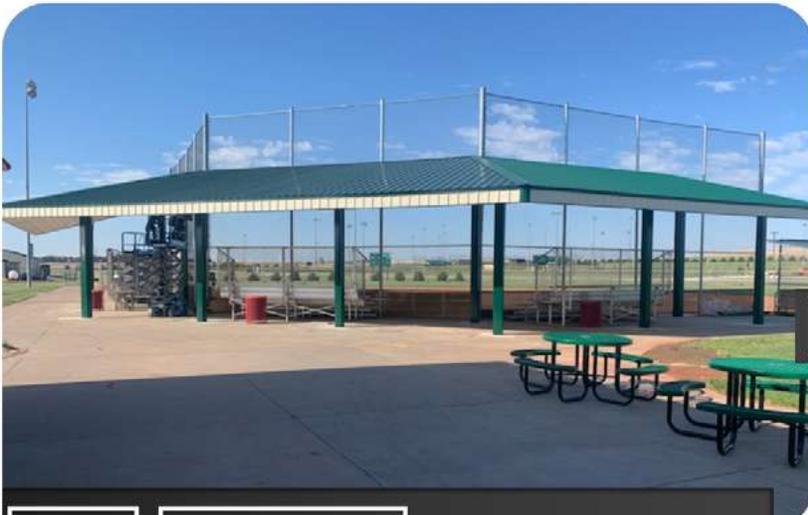
Walters Buildings

Silo Event Barn
Shelbyville, WI



COMMERCIAL BUILDINGS 5K – 10K SQ FT

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Quality Structures

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COMMERCIAL BUILDINGS > 10K SQ FT

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The Hidden Acre
WAVERLY, IA



HOBBY SHOPS

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Built for:
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White Horse Construction

Carpentry Hobby Barn
PURCELLVILLE, VA





HORSE BARN / FACILITIES < 5K SQ FT

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1ST **Diamond State Pole Buildings** **Canalichio Barn**
Harly, DE



HORSE BARN / FACILITIES > 5K SQ FT

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1ST **RAM Buildings** **Weinberg Barn**
WATERTOWN, MN





INSTITUTIONAL

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Lester Buildings

Bridgeview Assembly of God
BIG LAKE, MN



LIVESTOCK FACILITIES

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White Horse Construction

Calf Transition Barn
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Kalleburg Residence
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Blunier Builders

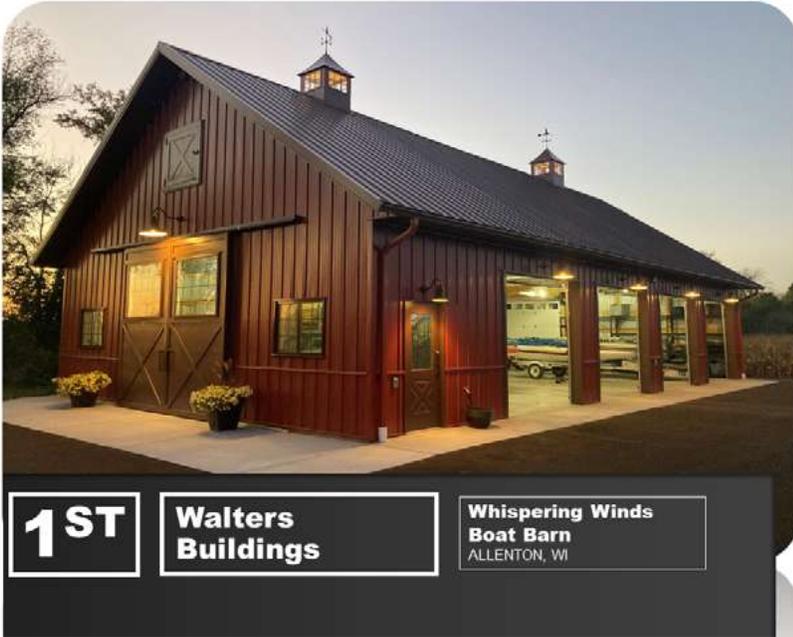
Grace Catering
PEORIA, IL





SUBURBAN GARAGES

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Whispering Winds Boat Barn
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Built for:
Whispering Winds Boat Barn



JUDGES' AWARD



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Walters Buildings

VanderWegen House
ALLENTON, WI



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2021 Bernon G. Perkins Award Recipient

Matt Greiner

Greiner Buildings



2021 NFBA Lifetime Achievement Award

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Atlas Bolt & Screw Co.



Gail Miller Recognition Program
for Excellence in Safety

Platinum Winner

Greiner
Buildings

Bay Insulation
Systems

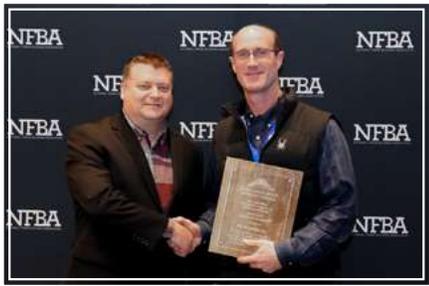


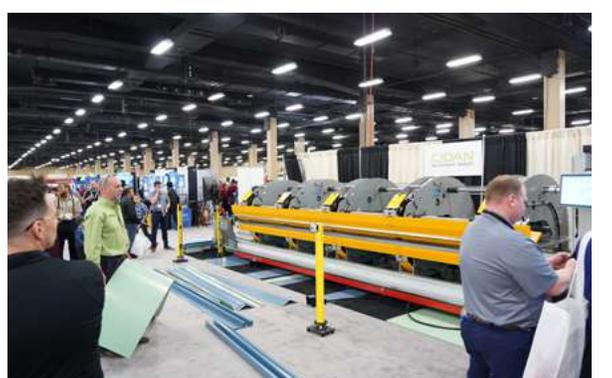
Gail Miller Recognition Program
for Excellence in Safety

Gold Winners

FBI
Buildings

Pioneer Pole
Buildings









YOUR TOOLKIT FOR BUILDING EXCELLENCE

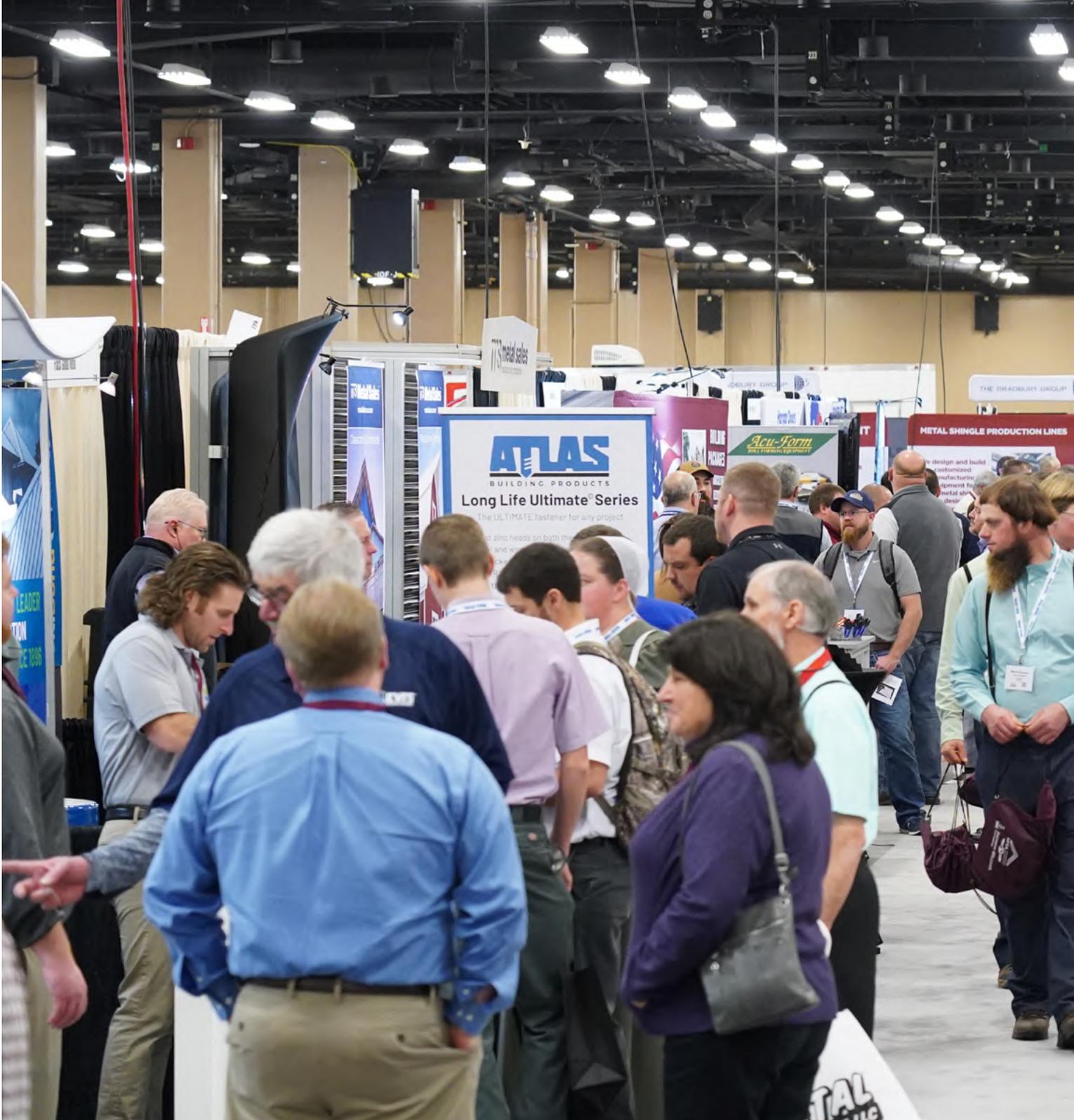


Josh Nowlin NFBA Board of Directors & NFBA Membership Chair

2022 NFBA FRAME BUILDING EXPO JANUARY 18TH - 20TH GAYLORD OPRYLAND RESORT NASHVILLE, TN



2022 FRAME BUILDING EXPO





2022 NFBA FRAME BUILDING EXPO

JANUARY 18TH - 20TH
GAYLORD OPRYLAND RESORT NASHVILLE, TN

2022 FRAME BUILDING EXPO







2022 MAZE NAIL POUNDING COMPETITION

BY Lisa Martin
Maze Nails

Maze Nails has been sponsoring the Nail Pounding Competition at the NFBA show for the last 18 years and the popularity continues to grow! Each year the number of participants increase as well as the crowd surrounds the interactive competition. Maze Nails is very proud to say we have a huge following from NFBA members and appreciate the continued business we gain each year from the association. 100% American-made Maze “Pole Barn” Nails are strong and dependable which is proven time and time again during this event. Experienced builders only want to use the best nails at a pounding contest – MAZE! We are proud to be partnered with such a fantastic group of builders and we will continue to drive your business with quality products that will withstand the test of time!



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The first step in a good accident investigation procedure is to require that all accidents, whether an employee injury, or property damage, be reported to the supervisor as soon as possible.

ACCIDENT INVESTIGATIONS - PART ONE

BY Gary Auman
NFBA Legal Counsel



I am sure that as a member of this Association you do everything you can to keep your employees safe and avoid accidents. As we all know, as hard as we try, accidents do occur. When they do occur, it is important to perform an accident investigation to determine the cause of the accident. There are several reasons to investigate an accident: to determine the cause of the accident, to prevent future repetitions, and to gather necessary information to protect you from possible liability. In most cases, the accident, and any related injuries, will be minor; but an accident investigation may identify a common action, a course of events, or an error by an employee(s) that lead to the accident.

The first step in a good accident investigation procedure is to require that all accidents, whether an employee injury, or property damage, be reported to the supervisor as soon as possible. 29 CFR 1904.35(b)(1)(i) – “you must establish a reasonable procedure for employees to report work related injuries and illnesses promptly and accurately. A procedure is not reasonable if it would deter or discourage a reasonable employee from accurately reporting a workplace injury or illness.” You cannot require “immediate” reporting.

I believe that a good accident investigation, and the records of those accident investigations, must be performed every time an accident occurs. This will also go far to establish that you are concerned about the safety of

your employees and that you have a strong safety culture. I recommend that a written record be maintained of every accident investigation. Not only should the investigation documentation show that you investigated and identified the cause of the accident, but also what corrective action should be, and has been, taken. Remember, anytime that an employee is injured, you have an exposure to liability, at least through workers’ compensation but sometimes beyond that administrative remedy. These might include things that are OSHA-related, and/or indemnification and hold-harmless agreements that you may have signed with the owner of other contractors.

So, now you are reading this and thinking – do I have to pull together an entire accident investigation team every time someone cuts his finger, gets a band aid, or bruises his/her elbow? The answer to that is NO! However, I do recommend that you establish a hierarchy for staffing and conducting accident investigations. Obtaining some basic information and employing a few basic procedures should be followed in all accident investigations.

First, you should always interview the injured employee. If there was no injury (just property damage), interview the employee who either was an eyewitness to the accident, or whose actions may have caused, or contributed, to the accident. The procedure that I describe

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above is the minimum that should be done for every accident. This may take up some of the supervisor's valuable time; however, these interviews should always be done by the responsible supervisor, even in the case of a very minor accident. Also remember that by being a safety conscious employer, accidents are not normally an everyday, or frequent, occurrence. Therefore, we are not talking about taking a lot of the supervisor's time to do an initial investigation.

This also means that every supervisor should be trained in the basics of accident investigation, including witness interviews. How you choose to approach accident investigations should not devolve into taking shortcuts or into "pencil-whipping" the accident investigation forms. One thing you should never do in performing an accident investigation, no matter how minor the accident may seem, is to merely hand out an accident report form to the employee(s) involved, ask them to complete it, and return it back to you. Employees should never fill out the investigation forms.

No matter how "minor" an accident may seem, we still need to remember that there are really no "small" accidents or incidents. At the time the accident occurs, you will have no clear idea as to how it may evolve. For example, after spending decades doing workers' compensation defense work for large and small employers, I have seen many "minor" accidents and/or injuries become magnified MANY times over by an aggressive claimant's workers' compensation lawyer. Several years ago, I represented a large, self-insured company that employed truck drivers as part of its workforce. I received a call from my client that he wished me to defend a suspicious workers' compensation claim that had been filed by one of these drivers. My client, who was very experienced in accident investigation and safety-related claims, gathered the claim history through his investigation. The claimant alleged that as he stepped out

of his truck cab onto a gravel parking area, he stepped onto a small stone that bruised the big toe on his left foot. My client had performed his usual (excellent) investigation, which revealed that the claimant had been wearing standard work shoes with a thick sole when he stepped on the stone.

While the claim was pending on the claimant's bruised toe, he also filed additional motions to add additional conditions to the claim. These began with the allegation that the incident had also resulted in a sprained ankle, which had morphed into plantar fasciitis, which resulted in an altered gait, which then, allegedly, had aggravated a pre-existing low back condition, and that had turned into a herniated disc. So, the "minor" bruised toe had, after about two months, expanded to a herniated disc, with an extended period of disability. Thanks to my client's initial investigation, we successfully defended the "bruised toe", which resulted in a denial of all of the additional requested conditions.

In one other case, the employee of a different client had an employee hobble into her office one morning, right after starting time. This employee's job was to use a hand grinder to clean up large cast iron flanges. These flanges were so large and heavy that he had to use a hoist to move them around and to place them onto his worktable. He claimed that one of these flanges, after he disconnected the hook on the hoist, fell off the table had struck his knee. After he was taken to the emergency room (he was admitted to the hospital), my client took a look at his work area and found it to be in "pristine" condition. There was no flange laying on the floor, where one that was accident-related, should have been. Also, all of his tools were where they were supposed to be put at the end of each workday. After seeing this, she began to interview employees who had come into work at the same time as the claimant. She had two employees that signed statements indicating

continued on page: 46

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continued from page: 44

that when they saw him arrive at work, he could barely walk from his car into the shop. Further investigation revealed that he had been in a serious incident the night before and been injured. He had “lived with the pain in his knee” so that he could make it into work the next day to make an accident claim, in order to obtain workers’ compensation benefits. This incident occurred before the current OSHA reportability requirements. If it had occurred today, it would have to have been reported to OSHA, being “work-related”. Her investigation was completed in less than a day and, therefore, if this had occurred in 2022, she would not have had to report it to OSHA.

I could describe at least dozens of situations in which the employers’ accident investigation resulted in controlling what could have been very costly claims. It is not just in the area of workers’ compensation where a good investigation can be very beneficial in controlling your exposure to other costs, it can also prevent possible OSHA inspections and citations.

For any incident/accident, which does not result in hospitalization, the supervisor should notify the company safety director, or his/her team leader, that an accident has occurred and the severity of the accident/incident. In the case of such an incident/accident, the supervisor should be directed to conduct an investigation using the company’s standard accident investigation form. He/she should interview the injured employee, noting their identity, and then interview all eyewitnesses. I suggest that the supervisor commit the witnesses’ statements to writing. He/she should add a line to the end of the statement similar to: “I have read this entire statement and it is a true recitation of what I saw and/or heard regarding _____’s



accident on ____ (date).” The supervisor should also take photographs of the accident scene, if appropriate, and document any other related environmental conditions. This may seem like quite a bit of effort, but what may seem like a small incident when it occurs, can grow into something much more serious with the passage of time. Also, even though the incident may not be OSHA reportable, it could still result in a compliance inspection if it results in an employee complaint.

In the next issue I will discuss the accident investigation procedure itself, including witness interviews and the five “Why’s” of an accident investigation. I will also provide some guidelines on how to deal with different types of accidents, from minor incidents to serious hospitalizations, as well as fatalities.

NFBA Legal Services Plan

All NFBA Members please remember that your Membership includes your Legal Services Plan. This plan allows you one free consultation up to 30 minutes per month via phone, email, or office conference with Legal Counsel. To take advantage of this, please contact Auman Mahan & Furry’s Gary Auman at 937-223-6003 ext. 3111. This program is exclusive to current NFBA Members.



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INSIDE THE FRAME

BRIAN BUCKLER

Each Issue of Frame Builder Magazine will feature an article by National Frame Builder Magazine Editor, Rachel Pinkus, giving an inside, personal look at the lives of one of the many volunteer members that dedicate their time and treasure to NFBA and the post-frame industry.

BY Rachel Pinkus
National Frame Builder Editor



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Brian grew up in a small farming community of Van Buren IN where he was active as a child in baseball, swimming, riding bikes with friends and making forts in the woods. “With a couple of my close friends, we were always looking for ways to make a little money. So when I wasn't mowing lawns in the summer or shoveling driveways in the winter, we would scour the roadsides and pick up pop bottles to turn them in for .10 a bottle.” He was also very active

in 4-H where he raised and showed sheep. “I always enjoyed fixing and maintaining the barns on the farm and working with the animals. If I had not decided to be involved in the construction industry my entire career, I would have most likely taken over the family farm. Working in this industry and with a great NFBA organization keeps me close to my roots.”

Brian attended Ball State University in Muncie Indiana earning a BS in Business Administration but has always had a background in construction. Earlier in his career he was associated with the low slope commercial roofing market. “My introduction to the post frame market has come through my association with the SFS Group. SFS is a supplier to the building envelope market. This includes post frame, low slope, roofing and cladding, metal buildings, architectural/commercial, timberworks, and rainscreen.” Through the retirement of his mentor, Scott Hutchings, Brian was recommended to fill the open seat on the board of directors. “I was honored to participate.”

“My wife Jill are in our 27th year of marriage. We have 4 kids: Emily 26, Evan 21, Eli 19, and Ella 14. Jill is my

best friend and I love spending time with her when I'm not travelling for work. Together we enjoy finding and hiking new parks and trails, biking, going to theater productions, watching volleyball, listening to orchestra concerts and any and every part of raising our children.” Jill is a licensed Mental Health Counselor in private practice as well she is an Ordained Pastor in the United Methodist Church. Jill is also in currently studying for her DMin which is a Doctor of Ministry, where she is doing extensive research on self and clergy care. To round out the family, they also have 2 dogs. Sophie, a 16-year-old yellow Lab and Leo (Leonidas), a 6-year-old Great Dane.

Brian and Jill stay involved in many different types of community efforts and are currently active in supporting those who desire counseling support yet are unable to afford it or without insurance. “Our church is a very important part of our life, and we are very active in the community activities. I have served many years on our church trustees committee as well our church council committee. Jill and I are active with Kiva. Kiva is an organization which provides financial access to help underserved communities thrive by loaning money to entrepreneurs and students around the world.”

The NFBA provides SFS with much history and value. When the NFBA began in 1969, Construction Fasteners (CFI) was a founding supplier supporting the startup and growing with the NFBA from the beginning. In 2001, the SFS Group acquired Construction Fasteners as part of a growth strategy to formally participate in the North American building envelope market. Fast forward to 2022, the post frame market and SFS's association with the NFBA continue to be strategic to the company's growth and innovation focus into the future. “SFS has more innovations on the way, and we look forward to supporting the expanding growth for the NFBA and the post frame market.”



EXPO EXCLUSIVE:

Get a first look at our new Post-frame Construction curriculum program!

NFBA's *Basic Principles for Post-Frame Construction* curriculum includes:

- ◆ **Textbook**
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This curriculum is a teaching tool for the basics of post-frame construction and can be used internally with your company's existing hiring and training processes. **Stop by the NFBA Membership booth** to preview the textbook and learn more about this new program!



NFBA NATIONAL FRAME BUILDING ASSOC.

LEGAL SERVICES PLAN



WHAT IS IT?

The National Frame Building Association has entered into an agreement with the law firm of Auman, Mahan, and Furry to provide the NFBA membership with this unique service.

HOW DO I USE THE PLAN?

Auman, Mahan, and Furry specializes in labor and employment law, discrimination, wage-hour, prevailing wage, workers' compensation, unemployment compensation, construction law, construction claims disputes, government contract disputes, occupational safety and health, pensions, fringe benefits, collective bargaining, litigation, and business law; including taxes and securities. The firm represents numerous business clients and various associations throughout the country, including NFBA.

WHAT IF I NEED ADDITIONAL HELP?

If additional services are needed, members can either contact their own attorney or retain the services of an attorney at AMF at a preferred hourly rate. Court costs, filing fees, and miscellaneous disbursements would be paid for by the member, and itemized by the firm.

WHAT DOES IT COVER?

The primary purpose of this service is to provide NFBA members the opportunity to discuss and identify legal problems, and to resolve general questions and concerns quickly through convenient access to specialized and qualified legal counsel. Each NFBA member is entitled to one 30 minute consultation per month either by telephone, email, or office conference, at no charge. It is understood that these consultations and conferences will be based on existing knowledge of the attorney without further research and analysis. When calling Auman, Mahan, and Furry, please ask for Gary Auman and identify yourself as a NFBA Member calling under the Legal Services Plan.

HOW DO I CONTACT AUMAN, MAHAN, & FURRY?

**Auman
Mahan + Furry**
ATTORNEYS

Gary Auman

110 North Main Street Suite 1000
Dayton, OH 45402-1738
(937) 223-6003 ext. 3111
gwa@amfdayton.com

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Dayton, OH 45414
www.nfba.org

800-557-6957
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DYLAN VAP, VAP CONSTRUCTION, INC.

Congratulations to NFBA “Crew Foreman of the Month” for February, Dylan Vap of Vap Construction, Inc. in Atwood, KS

Before Dylan was a crew foreman for Vap Construction, Inc., he strapped on a tool belt and nail bag every morning to work on the company’s general construction crew. It was here he learned the ins and outs of construction. His drive and determination to give customers the best service possible, along with



his trustworthiness with the crews and the office staff, helped form long-lasting relationships bringing everyone together as a cohesive unit. “Dylan is a joy to work with, bringing fun into the workplace and hard work onto the job site.” says Shelby Nilson.

Once tasked with becoming the crew foreman of Vap Construction, Dylan quickly learned the ropes. He has now been with Vap Construction for 11 years and is responsible for on and offboarding crews, company safety meetings, and quality control both on and off-site making the 6 crews he oversees more efficient.

For more than 40 years, the National Frame Building Association (NFBA) has represented the interests of builders, suppliers, distributors, academics, and code and design professionals serving the U.S. post-frame industry. Its mission is to lead and support members in their efforts to promote the growth and expansion of post-frame construction projects.

Join NFBA for access to resources that help you build your post-frame business.

Education

With the right information you can make smarter business decisions. You'll stay ahead of the competition while impressing your customers.

- **Technical Resources**—Learn best practices and new developments directly relevant to your business.
- **Frame Building Expo Seminars**—Attend discounted seminars at the Frame Building Expo.
- **Industry Trend Data**—Benchmark your performance against peers' performance and identify growth opportunities.

Growth

Opportunities abound for you to increase your business's bottom line.

- **Business Referrals**—Lead-generation programs send referrals straight to your inbox.
- **Penetration of New Markets**—NFBA's market development program advances post frame into new markets.
- **Exposure**—Be seen in directory listings in the **NFBA Directory** and on the **NFBA website**.

Advocacy

NFBA is the voice of the post-frame industry, and members gain instant credibility when they join.

- **Legal and Technical Expertise**—Obtain guidance from NFBA's experts at no additional charge.
- **Safety Programs**—Show your commitment to safety and earn goodwill from employers and customers.
- **Credibility**—Participate in the Accredited Post-Frame Builder program to earn credibility with customers.

NFBA Membership Categories

• BUILDER MEMBERSHIP (\$475-\$3,300)

Any individual proprietorship, corporation, or other legal entity that is engaged in the business of manufacturing, distributing, marketing, or constructing of post-frame buildings or post-frame building packages. Dues are structured incrementally by annual gross volume of business in millions of dollars.

• NATIONAL SUPPLIER PARTNER MEMBERSHIP (\$1,625)

Any individual proprietorship, corporation, or other legal entity that is engaged in the manufacture or supply of post-frame building components but is not selling building packages and assuming design responsibility for the building. *This category applies to supplier companies that provide services or products in seven states or more. Includes a \$500 assessment that will be put toward the Post-Frame Advantage Initiative.*

• REGIONAL SUPPLIER PARTNER MEMBERSHIP (\$1,325)

Any individual proprietorship, corporation, or other legal entity that is engaged in the manufacture or supply of post-frame building components but is not selling building packages and assuming design responsibility for the building. *This category applies to supplier companies that provide services or products in six states or fewer. Includes a \$500 assessment that will be put toward the Post-Frame Advantage Initiative.*

• **BUILDING MATERIAL DEALER PARTNER MEMBERSHIP (\$570)** Any individual proprietorship, corporation, or other legal entity that is engaged in the sale or distribution of lumber, trusses, or building kits to the post-frame building industry. *Includes a \$220 assessment that will be put toward the Post-Frame Advantage Initiative.*

• BRANCH/DEALER MEMBERSHIP (\$100) (Dealer 1st Year Only)

Any individual proprietorship, corporation, or other legal entity that operates as a branch office (i.e., is wholly owned by, and operates under the same name as, a regular NFBA member) or as a dealer for another company with a different name that is a regular NFBA member in good standing.

• DESIGN/CODE PROFESSIONAL MEMBERSHIP (\$120)

Any individual who is engaged in the business of building design, is a licensed professional engineer or architect, or is involved in building inspection or code development and enforcement.

• ACADEMIC MEMBERSHIP (\$100)

Any individual who is primarily associated with an academic institution and has a particular interest in the post-frame building industry.

• ASSOCIATE MEMBERSHIP (\$325)

Any company engaged in a business rendering service to the industry but not qualifying for any other membership division.

• STATEWIDE LISTINGS (\$100 each)

Market your business in multiple states in which you provide services by purchasing statewide listings. Listings in all states, excluding Alaska and Hawaii, are available for purchase. Your organization will appear in all selected states in the "Find a Provider" NFBA website search results and in the **NFBA directory**.



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This application must be completed in its entirety, or your membership cannot be processed.

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Select category according to your annual gross business volume (in millions).

0-1 \$475 1+ to 3 \$700 3+ to 6 \$1,280

6+ to 10 \$2,000 10+ \$3,300

Please indicate below what type of structures you erect or work on:

- Agricultural Buildings Commercial Buildings Residential Buildings
- Industrial Buildings Horse Barns/Facilities Suburban Garages
- Institutions (churches, schools, public buildings) Other _____

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(\$825 Membership Dues, \$500 PFMI Assessment)

Building Material Dealer Partner Membership \$570

(\$350 Membership Dues, \$220 PFMI Assessment)

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- Institutions (churches, schools, public buildings)

Academic Membership \$100

Associate Membership \$325

Section A Total \$ _____

Additional Company Contacts

Company Owner's Name _____
E-mail _____
Marketing Contact Name _____
E-mail _____
Technical Contact Name _____
E-mail _____

B. Unified Chapter Dues (Mandatory)

Companies located in unified chapter states must pay an additional \$25 for chapter membership. These companies will hold membership in both their local chapter and the national organization. If you are located in a unified chapter state, please select your local chapter:

Atlantic Northeast (CT, MA, ME, NH, NJ, NY, PA, RI, VT) \$25

Mid Atlantic (DE, MD, NC, SC, VA, WV) \$25

Heartland (AR, KS, LA, MO, OK, TX) \$25

Section B Total \$ _____

C. Statewide Listing (Optional)

Please indicate on the line below the additional statewide listings you would like to purchase. (Cost for each additional listing is \$100.)

_____ additional listing(s) at \$100 each

Section C Total \$ _____

Total of sections A, B, C **\$** _____

The undersigned hereby certifies that the above information is true and that, if accepted for membership by the National Frame Building Association, I/we will abide by the bylaws of the association and voluntarily agree to adhere to the association's Standards of Professional Conduct.

Signature _____

Date _____

Payment Information (select one):

Check enclosed Visa MasterCard AMEX Discover

Name on card (please print) _____

Account Number _____

Expiration Date _____

Billing Zip Code _____

Signature _____

Return completed form with payment to
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WHATS NEXT



MAR
8TH

NFBA \ WEBINARS

NFBA WEBINAR
 INTRODUCTION TO POST FRAME BUILDING SYSTEMS
 3:00 PM – 4:00 PM CST
 ONLINE
 800-557-6957 OR MMILLER@NFBA.ORG
 WWW.NFBA.ORG/INDEX.PHP/CALENDAR



MAR
22ND

NFBA \ WEBINARS

NFBA WEBINAR
 2015 POST-FRAME BUILDING DESIGN MANUAL – 2ND EDITION
 3:00 PM – 4:00 PM CST
 ONLINE
 800-557-6957 OR MMILLER@NFBA.ORG
 WWW.NFBA.ORG/INDEX.PHP/CALENDAR



MAR
22 - 23

BUCKEYE FRAME BUILDING ASSOCIATION (BFBA)
 ANNUAL MEETING
 HERITAGE COMMUNITY CENTER
 MILLERSBURG, OH
 888-294-0084 OR MMILLER@ASSNSOFFICE.COM
 ohioframe.org/aws/DBX/pt/sp/BFBA_expo



APR
12TH

NFBA \ WEBINARS

NFBA WEBINAR
 2019 NON-DIAPHRAGM POST-FRAME BUILDING DESIGN GUIDE
 3:00 PM – 4:00 PM CST
 ONLINE
 800-557-6957 OR MMILLER@NFBA.ORG
 WWW.NFBA.ORG/INDEX.PHP/CALENDAR



APR
21ST

CANADIAN FARM BUILDERS ASSOCIATION

CANADIAN FARM BUILDERS ASSOCIATION
 2022 CFBA GENERAL MEETING & CONFERENCE
 ARDEN PARK HOTEL
 STRATFORD, ONTARIO CANADA
 (519) 824-0809 OR CFBA@CFBA.CA



APR
26TH

NFBA \ WEBINARS

NFBA WEBINAR
 NON-DIAPHRAGM POST-FRAME STRUCTURAL DESIGN EXAMPLES: ENGINEERING DETAILS
 3:00 PM – 4:00 PM CST
 ONLINE
 800-557-6957 OR MMILLER@NFBA.ORG
 WWW.NFBA.ORG/INDEX.PHP/CALENDAR



SEP
21ST

CANADIAN FARM BUILDERS ASSOCIATION

CANADIAN FARM BUILDERS ASSOCIATION
 2022 CFBA ANNUAL GOLF TOURNAMENT
 CRAIGOWAN GOLF CLUB
 WOODSTOCK, ONTARIO CANADA
 (519) 824-0809 OR CFBA@CFBA.CA



OCT
26 - 27

CONSTRUCTION ROLLFORMING SHOW
 ERNEST N. MORIAL CONVENTION CENTER
 NEW ORLEANS, LA
 715-252-6360 OR
 GARY@SHIELDWALLMEDIA.COM
 ROLLFORMINGMAGAZINE.COM/
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NFBA Frame Builder Magazine

Advertising Information and Contract



**Reach this target audience –
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NFBA is the only national trade association that represents post-frame industry professionals. The association exists to support its members and stimulate the growth of the post-frame industry. For more than 50 years, NFBA has provided its members with the necessary industry tools and code resources, education, access to technical and legal experts, builder accreditation programs, post-frame market development updates, and networking opportunities.

Frame Builder Magazine is the association's bi-monthly publication with a combined print and digital circulation of more than 10,000 decision makers and key contacts across the country. Focusing on the topics that matter most to Post-Frame Industry Professionals, *Frame Builder Magazine* is the premier resource tool to reach NFBA members.

	Editorial Calendar	Ad Deadline
January	Conference Promo	12/1
March	Post Convention Highlights	2/1
May	Industry News	4/1
July	Industry News	6/1
September	Conference Preview	8/1
November	Conference Promo	10/1

Issue Month	Size	Orientation or Placement	Rate
Jan	_____	_____	_____
Mar	_____	_____	_____
May	_____	_____	_____
Jul	_____	_____	_____
Sep	_____	_____	_____
Nov	_____	_____	_____
Total Cost			_____

NFBA Magazine Advertising Rates

B/W Ads	Number of Issues		
	1X	3X	6X
Full Page	\$ 2,900	\$2,755	\$2,617
1/2 Page	\$ 1,800	\$1,710	\$1,625
1/4 Page	\$ 1,050	\$998	\$948
Color Ads	1X	3X	6X
Full Page	\$ 3,800	\$3,610	\$3,430
1/2 Page	\$ 2,700	\$2,565	\$2,437
1/4 Page	\$ 1,900	\$1,805	\$1,715
Back Cover	\$ 4,750	\$4,513	\$4,287
Inside Front	\$ 4,500	\$4,275	\$4,061
Inside Back	\$ 4,500	\$4,275	\$4,061

NFBA Magazine Advertising Specifications

AD	BLEED	TRIM	LIVE AREA
Full Page	8.75 x 11.25	8.5 x 11	7.5 x 10
Half Page Horizontal	7.75 x 5	7.5 x 4.75	7 x 4.25
Back Cover Page	8.75 x 8.25	8.5 x 8	7.75 x 7.25

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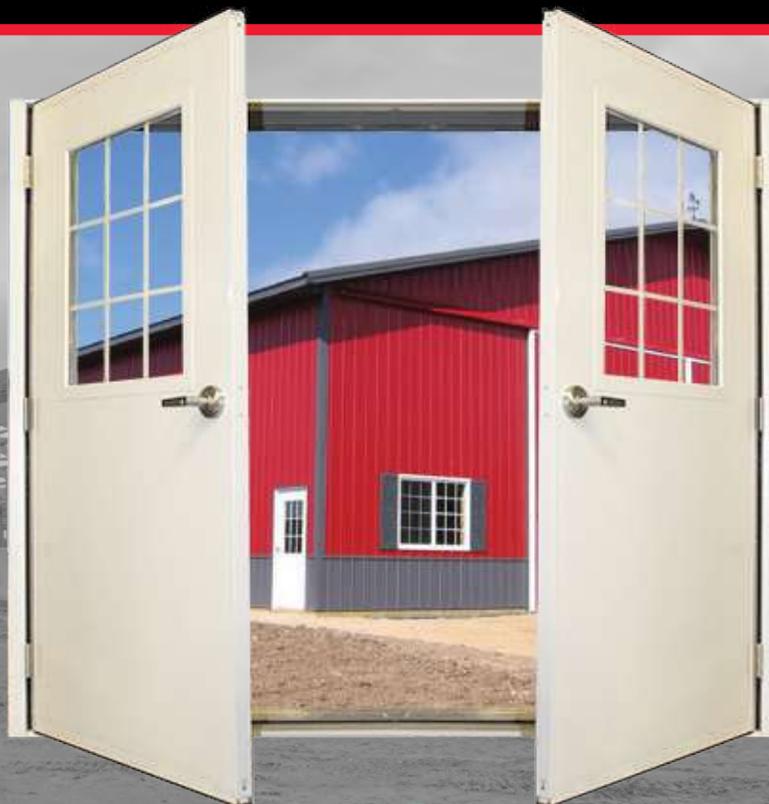
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- Series 20 w/deadbolt: ASTM E330 DP +/- 60 psf (4070)
- Series 95 w/deadbolt: ASTM E330 DP +/- 75 psf (3070)



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- Water Penetration: ASTM-E331
- Physical Endurance: AAMA 920



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