

CRCA TODAY

SUMMER 2022

The Magazine
of Roofing and
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Understanding OSHA Crane Violations
Chicago's New Harassment Mandate
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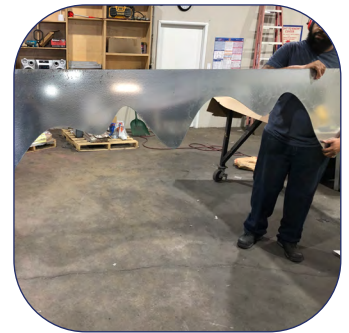
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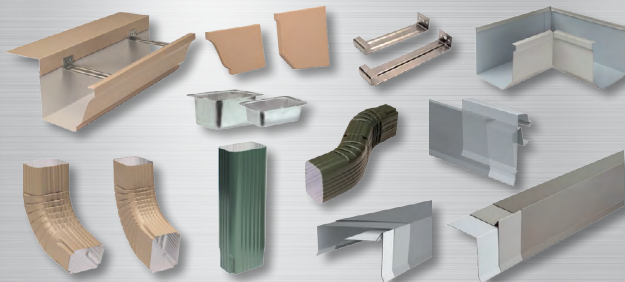
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Safety as Mandated by OSHA and Safety to Prevent Injuries

By Mitch Rabin



Mitch Rabin

OSHA mandated safety procedures for roofing are heavily focused on perimeters and holes. For many, it appears, that when safety is discussed, the topic only deals with are the perimeter warning lines set 6' in from the perimeter. Are the flag lines 34" - 39" high with flags no further than 6' apart?

Are guardrails being used? Are they proper guard rails set at 42" +/- 3"?

Holes? Are the skylights, other holes properly protected and labeled? Are the ladders 3' above the roof tied off with have proper "shoes"?

But is this where most of our industry's personal injuries occur? Is the focus skewed to preventing an OSHA citation vs. preventing injuries? Though the OSHA fines are expensive, a workman's compensation claim can dwarf the costs of a fine.

Trip and falls on the same level and material handling accidents far exceed in number the violations written by OSHA. In fact, per the CNA Business Insurance Program, "The top three workers' compensation claims are Manual Material Handling, Slip / Falls as well as Struck By. Employees are the lifeline of any business, and no matter what industry, they can be a company's most important asset. But when slips, falls, back strains, and other such incidents occur during the course of employment, it can mean valuable time away from serving customers and keeping the business running profitably."

After the perimeter set up is done, how much time is actually spent evaluating the roof area for hazards?

Throughout the course of the roofing project, hazards appear constantly that have nothing to do with the perimeter and hole protections. A few of these include:

1. Ropes left lying on the roof
2. Nails and other fasteners scattered around
3. Roofing material debris
4. Insulation cut offs
5. Extension cords used improperly
6. Tools left lying around
7. Torch hoses extended as trip hazards

All of these listed above can lead to trips, punctures, sprains, broken bones, and other injuries which equate to a workman's compensation claim costing the roofing contractor a great deal of money in claims and hours, days or more of productivity.

Other personal injuries in our industry occur from the physical nature of roofing work including:

1. Tear-off pieces cut too large
2. Heavy rolls of modified bitumen materials. (I don't imagine many of you remember when the use of 2-square rolls of 43-pound base sheet, 86-pound, was banned as being too heavy?)
3. Heavy single ply rolls
4. Day after day shoveling river rock
5. Handling gypsum roof recover boards

Working with all the above roofing materials can lead to back strain, shoulder problems, knee problems, and other maladies, i.e., workman compensation claims, again with lost time.


JOB	RISK RATING*
Lifting tear-off sections	7.23
Lifting / placing felt rolls	6.9
Shoveling gravel and debris	6.9
Manual roof system tear-off	6.9
Hand-mopping	6.56
Securing Insulation	6.23

Graphic courtesy of CNA: A risk-identification model that rates the likelihood of an ergonomically related injury occurring from a specific roofing task. (*If a task rates from zero to four, a low risk of injury is predicted; four to seven indicates moderate injury risk; and seven to 10 is a high injury risk.)

Safety is a lot more than fall protection. It's time roofing contractors increase the emphasis on the work between the perimeters to realize a drop in the amount and severity of injuries and subsequent drop in claims.

Workers need to arrive at the job, work all day, and go home safe and healthy.

Management and labor *must* work together to accomplish this goal.

Finish off the year safe! 

Mitch Rabin
President, A-1 Roofing Co. and 2022 CRCA President



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Workplace Violence . . .

Is It Time for OSHA to Weigh in . . . ?

By Frank J. Marino, CSP



Frank J. Marino, CSP

Violence in the workplace has become all too familiar on the evening news. But it may hit a lot closer to home than you may think, and may not always be what we are used to seeing on television. According to the Bureau of Labor Statistics, 20,870 workers in the private industry experienced trauma from nonfatal workplace

violence in 2019. These incidents required days away from work. This means workers compensation, higher EMR, and a significantly damaged workplace culture. And things don't seem to be getting any better. According to a recent report, workplace violence deaths increased to 705 in 2020, while more than 27,000 violence-related lost-time injuries were reported. 392 worker deaths were workplace homicides. Workplace violence is the fourth-leading cause of workplace death overall and the second-leading cause of workplace death for women (Newquist, 2022).

With the continuing increase in compensable lost time claims, you may ask why OSHA hasn't addressed the issue specifically. Well, that may all be about to change.

Cal/OSHA recently released a revised draft regulation for workplace violence prevention to apply to general industry, not just health care, proposing a broad application of the standards with limited exceptions. Under the draft regulations, employers would need to establish, implement, and maintain an effective Workplace Violence Prevention Program (WVPP), similar to the requirements for an Injury Illness Prevention Program (IIPP) or COVID-19 Prevention Program. Among other requirements, a WVPP would need to include procedures for responding to a workplace violence emergency. For the WVPP to be effective, the employer would need to provide training to employees on handling workplace violence (Paisan/Vierra,2022).


Employers would also be required to record incidents of violence in a Violent Incident Log. Under the current draft

regulations, employers who have not had an incident in the past five years would be exempt from keeping a log. Cal/OSHA invited interested parties to submit written comments on the draft regulations by July 18, 2022. It is uncertain how quickly this rule-making process will proceed. A previous effort to adopt these regulations in 2018 seemingly stalled out (Paisan/Vierra,2022).

In the meantime, according to Cal/OSHA, workplaces that identify factors for potential workplace violence should include the following in their IIPP:

- A system for ensuring that employees comply with safe and healthy work practices, including ensuring that all employees, including supervisors and managers, comply with work practices designed to make the workplace more secure and do not engage in threats or physical actions which create a security hazard to other employees, supervisors or managers in the workplace.
- A system for communicating with employees about workplace security hazards, including a means that employees can use to inform the employer of security hazards at the worksite without fear of reprisal.
- Procedures for identifying workplace security hazards including scheduled periodic inspections to identify unsafe conditions and work practices whenever the employer is made aware of a new or a previously unrecognized hazard.
- Procedures for investigating occupational injury or illness arising from a workplace assault or threat of assault.
- Procedures for correcting unsafe conditions, work practices, and work procedures, including workplace security hazards, and with attention to procedures for protecting employees from physical retaliation for reporting threats.
- Training and instruction about how to recognize workplace security hazards, measures to prevent workplace assaults, and what to do when an assault occurs, including emergency action and post-emergency procedures.

(Paisan/Vierra,2022)

Although there is no federal law being proposed that would affect roofing contractors in Illinois, it is a large step in the Dept. of Labor getting involved in an issue that does not appear to be getting any better. Cal/OSHA has often been the leader in creating standards that ultimately are adopted Federally. The recent release of a Federal Heat Standard is a perfect example. Although the items listed above are not being considered for workplaces in Illinois (yet), they do appear to have merit and should be considered for potential implantation in your respective workplace. Workplace violence is something we should all be taking very serious, and by the looks of it, OSHA will be as well. 

References:

- Sean Paisan, Sierra Vierra, Jackson Lewis—California Law Blog
- John Newquist, CSP—June Safety Update
- Center for Disease Control (CDC)—Occupational Violence

Frank Marino is Vice President at Safety Check Inc., a safety consulting firm in the Chicago area and CRCA Associate Member. Marino has extensive experience in roofing safety and is a co-chair of the CRCA Health and Safety Committee. He is a member of the Occupational Environmental Safety & Health Advisory Board at the University of Wisconsin, working with faculty and safety professionals on curriculum development and industry updates. He can be reached at fmarino@safetycheckinc.com.

Did You Know?

Can a Licensed Roofing Contractor, Who Will Not Be Performing Work on the Project, Allow His/Her License to Be Used by Unlicensed Roofing Contractor?

No, this would be a violation of the Illinois Industry Licensing Act and the licensed contractor could be subject to fines up to \$10,000 and revocation of their license.

Can a Roofing Contractor Advertise or Promise to Pay/Rebate Any Portion of an Insurance Deductible as an Inducement to Homeowners?

No, effective 1/1/2012, the Home Repair and Remodeling Act (IL HB 3034) prohibits a contractor from representing or offering to represent on behalf of the homeowner on any insurance claim in connection with the performance of such roofing work or interior home repair.



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How Broken Data Is Breaking Businesses—Understanding the Issues and the Solutions

By Mark Kennedy



Mark Kennedy

Data & Process Improvement

Almost every business uses data in some way, whether it's to track inventory, customers, sales, or something else. And that data is only valuable if it's accurate. But when data is inaccurate or "broken," it can have a negative effect on businesses. Today, as much as 90% of data is considered

broken or unstructured ([CIO.com](https://www.cio.com)).

Many organizations and businesses struggle with data that is incomplete, inaccurate, or wrong. This is often the result of data that has been entered manually, which is prone to errors. It is also a consequence of files or software tools that are not integrated to share data with each other.


Whatever the cause, the impact of broken data can be significant. Incomplete data can lead to missed opportunities, incorrect conclusions, and poor decisions. Examples of the issues broken data can cause include:

- Broken data can lead to significant accounting errors. This has been seen firsthand with several companies and *recovery can include more than six-figures of lost money once solutions such as Enterprise Resource Management (ERP) Software have been implemented to share data and bring real-time financial visibility.*
- Broken data can make it difficult to track progress. This lack of visibility can be frustrating for managers and make it difficult to set goals and objectives.
- Broken data can damage a company's reputation. If customers or clients find out that a company is using inaccurate data, they may lose faith in the company.

Ultimately, broken data can have a serious negative impact on businesses of all sizes. That's why it is so

important for companies to ensure that their data is as accurate as possible.

One of the best ways to address issues associated with broken data is by identifying and integrating software solutions that can share data between tools such as a Customer Relationship Management (CRM), Enterprise Resource Planning (ERP), and project management application. When systems share data the risk of manual entry errors and lost data are dramatically reduced. Information automatically flows between systems, driving efficiencies.

There is no one-size-fits-all answer when it comes to addressing the issues associated with broken data. Companies however need to be proactive in modernizing their operations and making data and systems work together to deliver a better customer experience that drives growth. 

Mark Kennedy, Chief Information Officer & Tech Advisor for CRCA Associate Member Firm, ShapeConnect, a vendor selection platform for business software and services. He specializes in software selection and implementation projects, ensuring that new technologies are integrated to streamline operations, enable remote work, and maximize financial visibility.

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DID YOU KNOW... Chicago Approves Sexual Harassment Training Mandate

By CRCA Staff



On April 27, 2022, the Chicago City Council approved several substantive amendments to the sexual harassment provisions of the Chicago Human Rights Ordinance. The amendments impose new and expanded harassment training obligations for **all employers operating in the City of Chicago**.

What Type of Employers Are Affected?

As an employer, do you need to comply with the new sexual harassment mandate? Per the *Frequently Asked Questions* on the new mandate provided by the city, the training, policy and posting requirements only apply to businesses who (1) are required to have a business license issued by the City of Chicago, or (2) maintain a facility within the geographical boundaries of the City of Chicago.

If this applies to your company, key changes include:


1. "Sexual Harassment" will now include "Sexual Misconduct"—This will now be defined as "any (i) unwelcome sexual advances or unwelcome conduct of a sexual nature; (ii) requests for sexual favors or conduct of a sexual nature when (1) submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment; or (2) submission to or rejection of such conduct by an individual is used as the basis for any employment decision affecting the individual; or (3) such conduct has the purpose or effect of substantially interfering with an individual's work performance or creating an intimidating, hostile, or offensive working environment; or (iii) sexual misconduct, which means any behavior of a sexual nature which also involves coercion, abuse of authority, or misuse of an individual's employment position." (effective 6/4/22)
2. Written Policy and Posting Requirements—As of July 1, 2022, Chicago employers must have a written policy

on sexual harassment and post a notice of employee rights in both English and Spanish. This must include:

- A statement that sexual harassment is illegal in Chicago
- The new definition of sexual harassment, which includes sexual misconduct as described above
- A requirement that all employees participate in sexual harassment prevention training annually, specifying that
 - All employees shall participate in a minimum of one hour of sexual harassment prevention training and one hour of bystander training annually; and
 - Supervisors and managers shall participate in a minimum of two hours of sexual harassment prevention training annually
- Details on how an individual can report an allegation of sexual harassment, including, as appropriate, instructions on how to make a confidential report, with an internal complaint form, to a manager, the employer's corporate headquarters, Human Resources, or other internal reporting mechanism
- Details on legal services, including governmental, available to employees who may be victims of sexual harassment
- A statement that retaliation for reporting sexual harassment is illegal in the City of Chicago.

With non-compliance penalties increased to \$5,000 to \$10,000, CRCA recommends reviewing your company's harassment policies and include the new text. Visit CRCA's resource page to access in English, Spanish and Polish. <https://crca.org/Resources/City-of-Chicago-Resources>

CRCA to Provide Training This Fall!

The City of Chicago also mandates that sexual harassment training be done annually, with specific training to be done for employees, supervisors and also bystanders. CRCA will be providing this training free for members this fall. Watch your email for more information. Not a CRCA member? Contact info@crca.org for a membership application today! 

Understanding the Top OSHA Crane Violations

By Brad Runnion



Brad Runnion

Roofing Contractors and Roofing Supply Companies use truck-mounted boom cranes and articulating cranes to efficiently move materials to and from jobsites. With proper training and when used correctly, cranes are an incredibly effective and valuable tool for contractors and suppliers alike.

There are, however, crane operators whose actions put others, themselves, and property in harm's way. The following is a list presented by OSHA for the top violations in 2020 and pertains to all industries using a crane and is therefore not specific to roofing or roofing supply. By being cognizant of the failures of others, owners and/or operators can ensure that they are safely operating their cranes, and if not, immediately provide corrective actions.

- **1926.1412 Inspections** - *At least every 12 months the equipment must be inspected by a qualified person. When a customer brings their crane to Runnion Equipment, our factory-trained technicians will do an in-depth, visual and operational inspection of their crane and put the machine through its normal operating cycles with safety covers removed to accurately inspect concealed areas. Also, a competent person must begin a visual inspection prior to each shift the equipment will be used, which must be completed before or during that shift.*
- **1926.1428 Signal Person Qualifications**— OSHA requires that the employer of the signal person (e.g. the person on the roof directing the crane operator) be qualified. To be qualified, the signal person must demonstrate through a test (oral or written) and a practical test, that they “know and understand the type of signals used, be competent in the application of the type of signals used, have a basic understanding of equipment operation and limitations, and know and understand the relevant requirements.”

TOP CRANE VIOLATIONS FY20 DATA

Standard	Total Violations	Serious Violations
1926.1412—Inspections	354	197
1926.1428—Signal Person Qualifications	167	111
1926.1408—Power Line Safety	150	127
1926.1425—Keeping Clear of the Load Line	142	118
1926.1417—Operation	123	82
1926.1404—Assembly/Disassembly	85	69
1926.1427—Operator Qualification & Certification	84	61
1926.1431—Hoisting Personnel	73	63
1926.1413—Wire Rope Inspection	71	45
1926.1430—Training	58	50

SOURCE: NCCCO.org

 <p>STOP – With arm extended horizontally to the side, palm down, arm is swung back and forth.</p>	 <p>EMERGENCY STOP – With both arms extended horizontally to the side, palms down, arms are swung back and forth.</p>	 <p>HOIST – With upper arm extended to the side, forearm and index finger pointing straight up, hand and finger make small circles.</p>
 <p>RAISE BOOM – With arm extended horizontally to the side, thumb points up with other fingers closed.</p>	 <p>SWING – With arm extended horizontally, index finger points in direction that boom is to swing.</p>	 <p>RETRACT TELESCOPING BOOM – With hands to the front at waist level, thumbs point at each other with other fingers closed.</p>
 <p>RAISE THE BOOM AND LOWER THE LOAD – With arm extended horizontally to the side and thumb pointing up, fingers open and close while load movement is desired.</p>	 <p>DOG EVERYTHING – Hands held together at waist level.</p>	 <p>LOWER – With arm and index finger pointing down, hand and finger make small circles.</p>
 <p>LOWER BOOM – With arm extended horizontally to the side, thumb points down with other fingers closed.</p>	 <p>EXTEND TELESCOPING BOOM – With hands to the front at waist level, thumbs point outward with other fingers closed.</p>	 <p>TRAVEL/TOWER TRAVEL – With all fingers pointing up, arm is extended horizontally out and back to make a pushing motion in the direction of travel.</p>

OSHA 29 CFR 1926, Subpart CC, Appendix A

- **1926.1408 Power Line Safety** – When setting up a crane, an operator has to look up and identify any overhead obstacles that might have an effect on the lifts, particularly the operator needs to be keenly aware of power lines. The closest any part of the crane should get to any powerline under 350 kV is 20 feet. On a National Crane with a RCL computer, an operator can program the crane to alert them as they approach a pre-determined point such as power lines. If the crane will have to operate closer than 20 feet, OSHA 1926.1407 outlines the steps to take.
- **1926.1427 Operator Qualification & Certification** - By now everybody is keenly aware of the OSHA requirement to have their operators be certified. Runnion Equipment hosts classes throughout the year for boom cranes (both stand up and swing seat) and articulating (including drywall booms).



- **1926.1413–Wire Rope Inspection** - The crane operator needs to ensure their lifting equipment such as the wire rope, slings, rigging, and hook is safe to use. A competent person needs to check the wire rope on a daily and monthly basis and ensure that it is free of kinks, bird caging, or excessive broken wires (documentation of the monthly inspection is required). The hooks must be equipped with a working latch and the ID tags on the hook and straps must be legible. If lifting straps are damaged in any way, they must be taken out of service.

When workers are present on a site where cranes are being used, employers are responsible for ensuring that these workers are not exposed to any crane-related hazards even if an organization doesn't use cranes themselves. Employers need to know the standards and train their employees accordingly if they might be affected by another on-site contractor.

All workers on a job site must be able to recognize and avoid hazards and training is absolutely the first step on the way to achieving this goal.

Safe operations of cranes and other equipment on the jobsite depend on the training and dedication of the people involved. Employers need to encourage workers to engage in safe behaviors. Simply knowing the rules does not mean that they will be followed. A firm safety culture must be in place so that employees focus on performing their jobs in a safety conscious manner with a concern for their fellow workers as well as property and bystanders in the area.

Visit <https://www.osha.gov/cranes-derricks/> for an in-depth look on these issues. 

Brad Runnion is the Sales Manager for CRCA Member Firm Runnion Equipment Company which specializes in sales and service of National Crane Boom-Trucks, Palfinger knucklebooms, and Princeton truck-mounted forklifts. Runnion Equipment also sells Elliott and Dur-A-Lift man lifts and bucket trucks, Stellar and Knapheide service cranes and mechanics trucks, and services all types and manufacturers of cranes. For more information, call 708-447-3169 or visit <http://www.runnionequipment.com>.

Delay Claims, Part 1: Types of Delays and How to Prove Them

By Trent Cotney



Trent Cotney

Every contractor knows that project delays can be inconvenient and expensive. With the current supply chain issues affecting almost every segment of the industry, increased lead times have become common place causing a variety of delay or liquidated damage claims from unhappy customers.

In order to understand how to prosecute or defend against delay claims, contractors should learn the different types of delay and what is needed to prove each element of the claim.

Types of Delays

There are many types of delays. The kind of delay you face will dictate if it is excusable or not. Also, the terms of your contract will stipulate if the delay is financially compensable or if you are entitled only to a time extension (commonly referred to as a no damages for delay clause).

Excusable

There are two categories for excusable delays: compensable and non-compensable.

An *excusable and compensable delay* has likely been caused entirely by the defending party. For example, if midway through your project, the owner changes the scope of the project and it will take longer to complete, that is an excusable delay for you. You played no role in the decision, the project date must be extended, and you should receive compensation for the additional time and labor requirements absent contractual provisions that state otherwise.

Sometimes there are concurrent delays, and usually those are not compensable. However, if multiple prime contractors or subcontractors are simultaneously at fault for the delay, as the delayed party, you may be able to

recover some of the applicable costs as long as you are not held responsible for any aspect of the delay.

An *excusable but non-compensable delay* most likely is the result of events outside your or the owner's control. The most common of these are force majeure events, which include terrorist attacks, natural disasters, unforeseeable severe weather, or natural disasters. More recently, COVID-19 and the material crisis may be considered a force majeure event depending on the circumstances. For these kinds of delays, you will probably receive more time to complete the work, but you may not be compensated. Check your contract terms to be certain.

Not Excusable

A delay is not excusable if it results from an act of neglect on your part or the part of any of your subcontractors or suppliers. Examples of such a delay include poor site management, ineffective performance, improper scheduling, and substandard control or monitoring of the work. In the case of this type of delay, you must communicate the issues with your owner and be upfront about how to get back on track. You will be responsible for all additional costs.

Proving Delays


If you allege an excusable delay on your project, the burden of proof falls to you. You must be able to provide the details of the delay and show that you were not at fault. You must submit evidence that the owner or another party was in control and caused the delay and you suffered damages. You must also provide evidence that the delay will impact the critical path of the project. In this process, a delay expert will analyze the delay, establish the cause, and describe who was responsible for the delay. Expert testimony will likely be required.

With these terms in mind, it is critical that you document all aspects of your construction projects. Keep thorough records of all correspondence with your owners, especially any requests for extra work.

Legal Advice

When you initially sign a contract, take the time to review the deadlines and the stipulations for change orders. Once the project is underway, periodically check those deadlines and request change orders if needed. This is especially important if the owner changes the scope of the work but expects you to keep the original schedule.

Watch the next issue of *CRCA Today* for Part 2: *Damages and How to Calculate*

The information contained in this article is for general educational information only. This information does not constitute legal advice, is not intended to constitute legal advice, nor should it be relied upon as legal advice for your specific factual pattern or situation. 

Trent Cotney is a partner and Construction Practice Group Leader at the law firm of Adams and Reese LLP and CRCA General Counsel. For more information on this subject, please contact trent.cotney@arlaw.com.

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Roof Talk—Contractor



Company: M.W. Powell Company

Location: Chicago, IL

Business Founded: 1847, M.W. Powell is celebrating its 175th year this year

Number of Employees: 30-40

Joined CRCA: M.W. Powell Company is a founding member of CRCA in the late 1800's.

After the Chicago Fire in October of 1871, Moses W. Powell organized his fellow contractors of like mind, pooling their manpower resources, equipment, and materials to meet the demand for reconstructing Chicago. It was this event plus the need for quality firms rebuild the city that led Powell to help form the "Gravel Roofers' Protective Association", which eventually became the CRCA & NRCA. This organization was formed to protect the integrity of legitimate roofing firms and establish guidelines within the industry.

What Services Does Your Business Offer?

Full-service re-roofing and new construction of commercial, industrial & institutional low sloped roofing systems of all kinds to include vegetative, concrete & IPE paver over burden and architectural sheet metal.



Courtesy of M.W. Powell Co.

Where Do You See Your Business in 10 Years?

We look to continue to strive for excellence in providing high quality work and outstanding customer service within our niche market which include public work and private mixed/use and high-rise new construction.

What Is Your Best Business Memory to Date?

My best memory is working & learning alongside my father and attending CRCA events/membership meetings with my him in the 90's and early 2000's before he passed. He was the one that really pushed me to get involved.

How Did You Learn About CRCA?

M W Powell Company has been a part of the CRCA family since its inception!

If You Attend CRCA Events, Can You Describe a Benefit of Attendance?

The knowledge one receives by attending these events cannot be undersold. It is also a great opportunity to see some old faces and meet new ones.

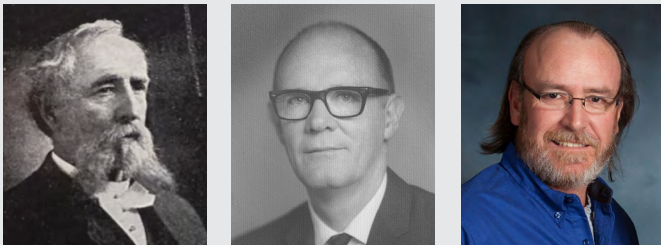
What Value Does CRCA Membership Bring to You?

Timely information as it relates to industry affairs and other aspects that effect both the industry and my business are tops in my book

What Advice Would You Give a New CRCA Member?

Get involved! Volunteer to be on a committee or on the Board of Directors. There is no better way to “have a voice” within this industry.

M.W. Powell leadership has been involved in CRCA since CRCA’s inception. At least three CRCA Presidents have come from M.W. Powell Company: Moses W. Powell, Henry Alcock & Tony Roque.



CRCA History–Did You Know?

Moses W. Powell came to Chicago from Edensburg, PA and joined up with Samuel and Benjamin Barrett in 1947. The Barretts’ claim to fame was to establish a “new roof system” referred as the *composition roofing process*. Through the next twenty four years, Powell had several business partners including Nathaniel B. Mansfield, William Arnold and George Getchell. In 1859, Powell and Barrett separated ways, with Powell focusing on application and Barrett, on the material processes. The great Chicago fire in October of 1871 burned the offices of Powell & Getchell Co. All the operation’s equipment and horses were lost but they quickly relocated to a temporary location, getting to work helping rebuild Chicago. Workers even had to pull carts and kettles themselves until more horses could be purchased. In 1873, M.W. Powell & Company became the sole entity.

Powell was an innovator, receiving a patent for “Fire & Waterproof Roofs”, consisting of dry felts and saturated felts cemented together using actinolite cement with a tile or brick covering in 1885. Several years later, he expanded this to include additional roofing composition patents incorporating asphalt and actinolite for roofing, utilizing alternative layers of flax felt and wool felts with tile, gravel and sand surfacing and a later one for roofing cement used to seal tile joints. He was also a Chicago Fire Department volunteer for seven years and was a Lieutenant Colonel in the Spanish American War, creating

an Illinois National Guard Battalion in 1878.

Sixteen years after the company changed its name to M.W. Powell Company, Moses W. Powell died. Over the next thirty-five years, Powell maintained its place as a trend setter in Chicago roofing, through the turbulent times

of the Great Depression, two world wars, and even had a female chairman. Great-grandson-in-law Henry E. Alcock became corporate president in 1960, with Joseph C. Roque assuming this role in 1987 and Tony Roque, 7th generations from Moses, in 2004.

M.W. Powell has provided leadership to the CRCA for the last 150 years, since the association’s formation right after the Chicago fire, with at least three CRCA Presidents as well as board and committee members.

A quote from Moses W. Powell that still rings true today “. . . Parties have the idea that anyone can put on a gravel roof . . . an experienced workman can put on a roof better with ordinary materials than an inexperienced man can put on with the very best.”

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“A great many of the modern buildings in the above picture were “ROOFED BY POWELL” including the Art Institute, the Railway Exchange Building, Willoughby Tower, Pullman Building and the Public Library. Many other well known buildings such as the Congress, Morrison, Sherman, La Salle, Blackstone and Drake Hotels, Marshall Field, Mandel, Sears Roebuck, Montgomery Ward and the Fair stores—the University of Chicago, Moody Bible Institute, St. Lukes Hospital and many thousands of private homes have been “ROOFED BY POWELL” in the past.”

Courtesy of M.W. Powell Co.

Roof Talk—Associate



Company: GAF

Location: Parsippany, NJ

Business Founded: in 1886 as Standard Paint Company

Number of Employees: 3,700+

Joined CRCA: in 1969 (with Harold Rumohr as the main contact)

What Services Does Your Business Offer?

GAF is North America's largest roofing manufacturer and offers a full line of residential and commercial roofing products. We are proud to offer services such as, contractor training, customized submittal packages, project specific details, roof measurement reports, and tapered insulation take-offs. Additionally, GAF can provide design assistance with cold storage, wind resistance, air barriers/vapor retarders, etc.

What Is Your Best Business Memory to Date?

I can't limit it to one, as there are two that stand out in my mind. First was the introduction of Timberline HDZ® Shingles with the "LayerLock™ Technology" offering no maximum wind speed limitation on our Limited Wind Warranty. The second is GAF developing the RoofCycle™ Process, a patented recycling process that diverts shingle waste from landfills and reuses it in the manufacture of new GAF shingles.

Where Do You See Your Business in 5-10 Years?

Last year, GAF formed a Growth and Innovation function whose purpose is to increase capacity for innovation and develop a strategy to drive substantial growth. So, LayerLock™ and RoofCycle™ are just the beginning! And at the same time, GAF is very motivated to grow the commercial side of the business. I expect to see a strong focus on sustainability and new product development with our low-slope products too.

How Did You Learn About CRCA?

I first heard about CRCA when I started working for the National Roofing Contractors Association (NRCA). I really had no clue what trade associations did and how they served the industry. I still remember having to learn the differences between a national and regional associations and the importance of needing both.

If You Attend CRCA Events, Can You Describe a Benefit of Attendance?

The overarching benefit is education. The majority of CRCA's events, e.g., the trade show and membership lunches, have an education component. Plus, you learn what is happening with members or within the industry by talking to attendees. But there's another valuable benefit, and it almost goes without saying, is the building of relationships and friendships. CRCA members are some of the most passionate, caring, and generous people and attending events gives you the opportunity to meet them.

What Value Does CRCA Membership Bring to You?

Obviously, CRCA members are mostly roofing contractors and those are our biggest customers! Getting involved with CRCA gives me—and GAF—the opportunity to be in regular contact with them and hear about whatever issues and concerns they are having.

What Advice Would You Give a New CRCA Member?

Get involved as much as you can! As the old saying goes, "What you put in is what you get out." Don't just pay the membership dues and not participate. Volunteer to be in a committee, attend the membership lunches, and come join us at the fun events, like the golf outing or casino night . . . I promise you will not regret it!



This information was submitted by Joan Crowe, GAF's Director of Regulatory Compliance. Crowe is a CRCA Associate Board member, Co-Chair of the CRCA Chicagoland Women in Roofing (CWIR) and also serves on CRCA's Industry Affairs Committee.

Navigating Supply Chain Disruptions—Sealant Technologies

By Nathan Ferraro



Nathan Ferraro

The chemical supply chain has been disrupted by multiple events over the course of the last few years. Contractors may frequently find themselves in a position where they cannot find their favorite brands. When it comes to finding an alternative, the sealant space can be confusing. Many pros rely on their history with a

product to feel confident that it will work. While there are a host of performance characteristics that may be important to a professional, there are only a few major technologies that dominate the sealant market: silicone, acrylic/latex, co-polymer rubber, urethane, and hybrid. Understanding how the technology functions can allow pros to predict the performance and application experience that they will receive.

Sealants have two basic curing/drying mechanisms, and both come with somewhat predictable performance and application characteristics. Reactive products cure by reacting with atmospheric moisture. Evaporative products, on the other hand, dry by releasing water or solvent into the air through evaporation.

Reactive Curing

Reactive chemistries tend to create harder, tougher films than evaporative products. This can be a good thing because harder films can be more resistant to abrasion and dirt pick-up. It can also be a negative thing if there is a lot of movement in the joint where the sealant is used. Extra rigidity means that the product is not as flexible or elastic to stretch and compress as the joint moves. Reactive chemistries will dry faster. Because they dry by reacting with moisture in the air, they do come with water sensitivity. This can manifest itself in a few ways including the following: shorter shelf lives, poor adhesion when a surface is too wet, drying out quickly once the cartridge

is opened. Reactive products include silicones, urethanes, and hybrids (also known as MS polymers).

Evaporative Curing

Evaporative technologies break into two groups: water and solvent based. They will be slower drying as the liquid must leave the film in order to cure. Latex and acrylic (water-based) products can be especially slow to dry when there is high humidity. Because they are formulated with some carrier that evaporates, these products have lower solids and tend to “shrink” more than reactive products when they are allowed to dry. This can leave the sealant with a slight concave appearance. This is not a structural defect, but it may surprise professionals who are used to applying high solids reactive products. Because they have more liquid in them, evaporative products are typically easier to tool than their high solids counterparts (though solvent-based products can be a bit sticky). They can also have better adhesion to some surfaces because the solvent is able to wet out the target substrate. Because they cure a bit softer, they tend to withstand more movement within a joint. They flex with the movement rather than resisting it. Evaporative products include acrylics and co-polymers.

SEALANT TECHNOLOGIES

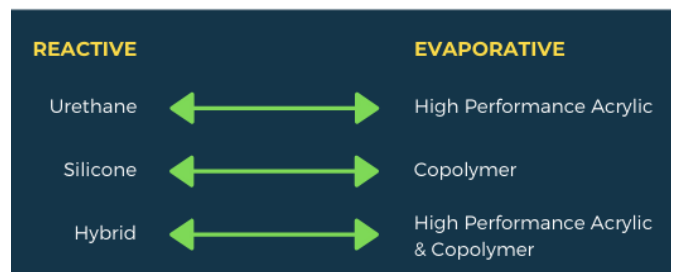


Figure 1. Recommended technology swaps—Sashco image

Urethanes & High-Performance Acrylics

Both urethanes and acrylics are highly specified. Note that if one is switching from a urethane to an acrylic, it is important to get a high-performance product. Latex painter’s caulks are also acrylics, but they are formulated with a high amount of filler, decreasing dry time but increasing toughness . . . making the product

more susceptible to cracking with joint movement. If switching from an acrylic to a urethane, one needs to be on guard for the moisture sensitivity. Urethanes should not be applied to damp surfaces as they can form a foam at the surface, causing poor adhesion. If switching from a urethane to an acrylic, be sure to watch for cold temperatures. If acrylics freeze, then the water in them will disrupt the film formation of the sealant.

Silicones & Copolymers

Both silicones and copolymers are extremely moisture resistant which makes them great for exterior environments. They also have superior clarity to most other technologies. When swapping from a copolymer to a silicone, be mindful that silicone can't be painted or repaired. Silicones are also prone to tearing because they do not have the elasticity or relaxation of the rubber copolymer. Copolymers are a bit stickier, which can mean that it is tough to remove from one's finger when tooling, though there are tricks to overcome this to create a smooth bead.

ATTRIBUTE	URETHANE	SILICONE	HYBRID	CO-POLYMER	ACRYLIC
Full cure	1-7 days*	1-3 days	1-3 days	5-7 days	5-7 days
Sensitivity to moisture on surface	Poor	Ok	Ok	Good	Good
Shrink	No	No	No	Yes	Yes
Easy tool	Poor	Ok	Very Poor	Ok	Easiest
Easy to gun	No	Yes	No	Yes	Yes
Cold weather application	Difficult	Moderate	Easy	Easy	Difficult
Odor	Very strong	Strong	Strong	Strong	Very mild

Chart 1. Application characteristics of technologies - Sashco image


*Varies by manufacturer

ATTRIBUTE	URETHANE	SILICONE	HYBRID	CO-POLYMER	ACRYLIC
Tough/ hard	Yes	Yes	Yes	No	No
Relaxes when stretched	No	No	No	Yes	Yes
Adhesion to tough surfaces	Yes	No	No	Yes	Yes
UV resistance	Ok	Good	Poor	Good	Good
Paintable	Yes	No	Yes	Yes	Yes
Repairable	Yes	No	Yes	Yes	Yes

Chart 2. Performance characteristics of technologies - Sashco image

Hybrids and Copolymers or Acrylics

Hybrids have characteristics of both silicones and urethanes. They combine some of the good and bad attributes of both technologies. They have good chemical resistance and can be painted. Since they are hybrids, they can sometimes be swapped for copolymers and sometimes for high performance acrylics. When swapping from either of those technologies to a hybrid, watch out for poor UV resistance. Hybrids tend to discolor quickly by yellowing or chalking. Some manufacturers also do not recommend that hybrids be tooled, making them a bit less forgiving for someone who is not used to them.

When searching for a replacement product, most contractors would rather upgrade in performance than risk using a low-quality product. When possible, it may be ideal to switch to the same technology from a different brand. When that is not an option, swap urethanes with acrylics, silicones with copolymers, and hybrids with either acrylics or copolymers depending on the situation. Note that, as with any product, there are brand-to-brand quality and performance differences within a technology type. 

Nathan Ferraro is a Senior Marketing Manager at CRCA Associate Member Sashco. He has over a decade of experience launching protective coatings and high-performance sealants in roofing, remodeling, maintenance, and oil & gas. Ferraro specializes in developing new products and in education. He can be contacted at nferraro@sashco.com.





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Legal News To Know

By Hendrick Phillips Salzman & Siegel

Independent Contractor or Employee?

Under the Fair Labor Standards Act (“FLSA”), the classification of a worker as an independent contractor or an employee determines, among other things, whether the worker is entitled to minimum wage or overtime. The Wage and Hour Division of the Department of Labor (“DOL”) has the responsibility of enforcing the FLSA and it believes that misclassification of workers is a serious problem for workers and the U.S. economy, including workers in the construction industry. However, whether a worker is classified as independent contractor or an employee has been subject to a test that many view as having been inconsistently applied.

The standard for determining whether a worker is an independent contractor or employee is known as the “economic realities” test. The test has traditionally been a six-factor balancing test that considers and weighs each of the following factors:

1. How much control does the employer have over the employee’s work?
2. Does the worker have an opportunity to earn more or less money based on how they manage the work?
3. Does the work own or invest in the equipment required to perform the work?
4. Does the work performed required a special skill?
5. Is this a long-term or permanent working relationship, or a short-term, temporary relationship?
6. How integral, or central, is the task performed by the worker to the business?

On January 7, 2021, the Trump Administration, seeking to add clarity to the analysis, published a final rule, “Independent Contractor Status under the Fair Labor Standards Act”, which established a revised five-factor “Economic-Reality Test” the DOL would implement to determine whether a worker is an independent contractor or employee. The Trump Administration’s revised “Economic-Reality Test” had two “core factors” to be primarily considered:

1. the nature and degree of the worker’s control over the work, and
2. the worker’s opportunity for profit and loss.

The three secondary factors that could be considered thereafter are:

3. the amount of skill required for the work,
4. the degree of permanence of the working relationship between the worker and the potential employer, and
5. whether the work is part of an integrated unit of production (or the individual works under circumstances analogous to a production line).

This final rule was to go into effect on March 8, 2021, but the Biden Administration delayed its implementation and, thereafter, on May 6, 2021, withdrew the rule. The Biden Administration’s withdrawal of the rule returned the analysis to the traditional six-factor balancing test. However, on March 14, 2022, the Trump Administration’s final rule was reinstated by the Judge Marcia Crone of the U.S. District Court for the Eastern District of Texas.

Judge Crone found that the Biden Administration had failed to delay and withdraw the Trump Administration’s final rule in accordance with the Administrative Procedures Act. Judge Crone further stated that the Trump Administration was attempting to clarify the definition of “independent contractor” under the Fair Labor Standards Act because federal courts had applied the traditional economic-realities test inconsistently. Accordingly, the Department of Labor was required to revert to the revised five-factor “Economic-Reality Test” implemented by the Trump Administration.

Yet, Judge Crone’s ruling does not appear to be the last word on the “economic-realities test.” The DOL has recently indicated that it plans to engage in rulemaking on determining employee or independent contractor status under the FLSA. In fact, the DOL held employer and worker public forums in June to hear the perspectives of those who would be affected. Whether the Biden Administration reverts the traditional six-factor test, retains the revised five-factor test, or creates or adopts a new test, such as California’s three-factor test, is to be seen.

OSHA 300 Logs


OSHA recently announced the launch of its ITA (Injury Tracking Application) Non-Responder Enforcement Computer Program. The program is intended to identify employers that failed to submit injury and illness data when required. Establishments with 250 or more employees and establishments in the construction industry with 20 to 249 employees are required to annually submit electronically their Form 300A.

Each week, the Director of Technical Support and Emergency Management, Office of Statistical Analysis (OSA) will run an OIS scan summary report of inspections open during the previous week and not yet closed. OSHA does make available, through its website, the identification of establishments that have been subject to an OSHA inspection each week. The OSA then matches the open inspections list against a list of establishments that may have failed to submit their Form 300A. A list of potential non-responders is created and broken down by Area Office. The OSA sends the weekly Area Office Potential Matches Report to the Regional Coordinators for distribution. The Area Office then reviews their weekly list to verify the following:

1. *The inspection status.* If the inspection is closed, the Area Office will take no further action for that establishment.
2. *The establishment meets the ITA reporting requirements.* The Area Office reviewer will check the inspection data to verify that the establishment meets 29 CFR 1904.41's size and industry criteria. If the establishment does not meet these requirements, the Area Office will take no further action for that establishment.

3. *The match is valid.* The match of establishments on the OIS Scan Summary Report to establishments on the list of those that may have failed to submit their CY 2021 Form 300A data is based on nine data elements. The Area Office Potential Matches Report includes these nine data elements from the two datasets side by side. The Area Offices will review each match to determine if the match is invalid, (i.e., the establishment on the open inspection list is clearly the same establishment as the establishment on the potential non-responder list). If the reviewer determines that the match is not valid, the Area Office will take no further action for that establishment.

For establishment/inspections that are valid matches, the compliance officer will inform the employer of the reporting obligations and a citation will be issued for failure to submit the Form 300A.

OSHA has six months from the date submission of the data was due to issue a citation. This year, submissions were due by March 2. The six-month date issue a citation for noncompliance this year is September 2, 2022. If you have not electronically submitted your Form 300A and you are an establishment with 250 or more employees, or you are an establishment in the construction industry employing between 20 and 249 employees, it is not too late. Your Form 300A can be submitted to OSHA at <https://www.osha.gov/injuryreporting>. 

**Provided by CRCA Member Firm Hendrick Phillips Salzman & Siegel. For more information, contact info@hpsslaw.com.*

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Industry News

By CRCA Staff

CRCA Foundation Awards 2022 Scholarships

At the June 7, 2022, CRCA Membership Dinner, the CRCA Foundation awarded over \$27,000 in new scholarships to 13 graduating high school seniors attending junior college or 4-year universities in the fall. Based on academic performance, extracurricular activities, employment, and personal recommendations, now under the CRCA Foundation, CRCA and CRC has awarded over \$1 million in scholarships since 1992. The 2022 recipients are:

CRCA: Kara Simmons and Xie Alexander

CRC: Jennalyse and Michelle Blanford, Garrett Blankenship, Ella Coleman, Alexandra Cruz, Fernando Delgado, Ryan Klickner, Sandra Molina, Vanessa Morales, Lynett Ortiz and Ian Perez-Santilan.

Congratulations!

2022 Annual Industry Day Golf Outing a Success!

Over 270 CRCA members and guests participated in the July 14 Annual Golf Outing at Silver Lake Country Club. The picture-perfect day was supported by over 50 CRCA Member firm sponsors as well. The golfers also generously supported the CRCA Foundation, raising almost \$4500.

Congratulations to the Course Champions:



South: Jeff Button, Brian McElmeel, Tim Fagan, & Jeff Valentine



North: Mark Moran, Joe Gaterman and Noel Prudent

Upcoming CRCA Events:

Tuesday, Sept. 20—CRCA Membership Luncheon, Gibsons Oak Brook, presented by CRCA's Building Envelope Committee

Thursday, Sept. 22—Crane 101 Class, Runion Equipment Company, Hodgkins, presented by CRCA's Chicago Women in Roofing Committee

Thursday, Sept. 29—Topgolf Event, Schaumburg, presented by CRCA's Emerging Leader Committee

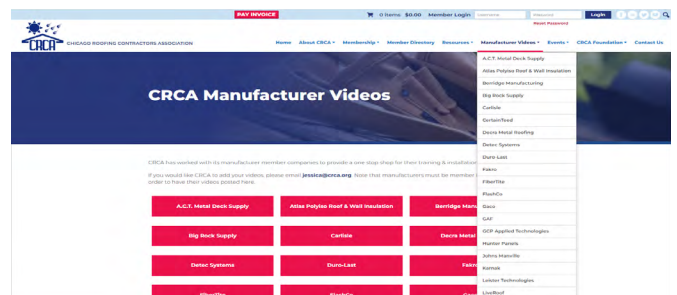
Thursday, Oct. 6—CRCA Casino Night, Doubletree, Oak Brook, presented by CRCA's Membership Committee

Thursday, Oct. 27—Safety Class, Garza Roofing Equipment & Supply, Elgin, presented by CRCA's Chicagoland Women in Roofing

Tuesday, Nov. 8—CRCA Membership Luncheon, Maggiano's, Oak Brook, presented by CRCA's Contract & Insurance Committee

CRCA Launches New Tech Resource

Late this spring, CRCA launched a new Technical Resource Library for roofing contractors, consultants, and the design community by gathering technical videos and resources from CRCA Member Manufacturers and Suppliers. As a one-stop location for all to visit for important resources, it's even a great website to bookmark for installers out in the field. With multiple videos and links from 38 CRCA member manufacturers, there is a wealth of information for almost every installation. Is your company missing from the library, contact info@crca.org today!





CRCA Foundation Completes 1st Philanthropic Install

The CRCA Foundation*, a not-for-profit 501(c)(3) organization,

completed its first philanthropic install in August at the BraveHearts Therapeutic Riding and Educational Center in Harvard, IL. With the help of CRCA contractor CPR Roofing, the Foundation supplied the materials to reroof this steep-sloped project. Approved as an accredited therapeutic equestrian center in 2007, BraveHearts offers therapy to military veterans, children, and adults with physical and occupational services.

*The CRCA Foundation was founded in 2017 with a mission to advance and support the construction, roofing, and waterproofing industry in the Chicago area through funding and support of philanthropic causes, research, and education. To learn more, contact crcafoundation@crca.org.

CRCA Code Corner

CRCA @ State of IL—NEW Energy Code Coming—The IL Capital Development Board (CDB) manages the process to adopt energy codes in the State of Illinois. CRCA's Industry Affairs Leaders participated at CDB during the IL adoption of the 2021 International Energy Conservation Code in 2021 and early 2022. CRCA's George Patterson was appointed by CDB as a member of the Illinois Energy Code Advisory Council (IL ECAC) and served on the council during debates about the IL adoption of the IECC.

After months of work, the IL CAC APPROVED keeping the same exemptions that are currently in the 2018 version of the IL Energy Conservation Code (IL ECC). The next step is for the IL Energy Conservation Code to be approved by the Joint Committee on Administrative Rules (JCAR), sometime this fall. The possible implementation date could be as early as Nov. 1, 2022. CRCA will have more information after the IL Energy Code becomes law. This 2021 IL ECC applies to BOTH Commercial and Residential Buildings.

By the Way . . . State of IL to Develop Energy Stretch Code for 2024—The legislation that will adopt the new IL Energy Conservation Code includes a mandate to develop 2024 Stretch Code for the State of IL that stresses additional energy savings over the current codes.

The IL 2024 Stretch Code is mandated to be created by Dec. 31, 2023. CRCA will participate in this new 2024 Stretch Code development and will keep CRCA Members informed in 2023 and 2024. It is anticipated that the IL 2024 STRETCH CODE—which won't become law until

Jan. 1, 2024 - will cause roof and wall energy efficiency to increase significantly.

What's the Big Deal with New Codes in 2022, 2023 and 2024?

We know CRCA Roofing Contractors are already providing pricing and bids for roofing work that that will take place after the new IL Energy Conservation Code and IL 2024 Stretch Code goes into effect. To protect your company against possible roofing cost increases associated with the implementation of these new codes, CRCA suggests qualifying proposals and bids indicating that pricing is based on the current codes. Any upcoming changes to the codes may require adjusting the scope of roofing work and pricing in effect at the time of the work. Know that CRCA's George Patterson, Bill McHugh, and other allies are at the table for these discussions, bringing the field perspective to the IL Energy Code Development Process.

Firestone Building Products Unveils New Brand Identity

On June 21, Firestone announced the adoption of the Holcim name and brand identity, becoming the Holcim Building Envelope division with a rebranding of The Firestone's Roofing Systems iconic brand to Elevate™. Holcim's range of building envelope solutions includes wall, lining, and waterproofing systems for commercial and residential applications. This rebranding will unite Elevate with other products under its corporate hat such as Gaco, GenFlex and Malarkey Roofing Products.

"Over the past 40 years, Firestone has built a reputation as a leader and innovator in the commercial roofing sector. And now we are making it official; we are uniting Firestone Building Products' iconic legacy with Holcim's future focus on accelerating green growth," said Jamie Gentoso, senior executive for Holcim. "As we open this new chapter of growth with star brands from Elevate to Malarkey, I am committed to contributing to our customers' success with a rigorous focus on advanced solutions, superior quality, and innovation."

New Faces at CRCA Member Firms

Leister Technologies, LLC announced the addition of Nela Lakovic as the new Marketing Specialist. She will be closely working with the US product and management team with digital marketing and campaign management.

Marly Almendarez joined the team at AAdvanced Building Products in late June, as an inside sales coordinator. She will be responsible for providing additional resources for contractors who install Carlisle-

SynTec Systems, Carlisle Roof Foam & Coatings and Drexel Metals.



Gulfeagle Promotes Kelly Joyce

In July, Gulfeagle Supply announced the promotion of Kelly Joyce to Director of

Purchasing. Joyce joined Gulfeagle Supply almost 15 years ago as Branch Manager in Holiday, Florida.

Tharp Retired from Korellis

Congratulations to Jeff Tharp who retired from Korellis Roofing, Inc. after 36 years of dedicated service! Tharp started his career at Korellis at age 15, doing summer odd jobs. He became a Yard Employee in 1986, moving on to Superintendent, Estimator, Project Manager and finally Executive Vice President. CRCA wishes Jeff well as he enjoys spending more time with his family!



Korellis also congratulates Service Manager Karen Knezic and Internal Operations Manager Juli Tattersall on being selected as finalists for NWIIWA's Influential Women awards! These awards honor the achievements of powerful women in Northwest Indiana and both Karen and Juli are "Up & Coming" in the Construction/Manufacturing category. Way to Go Ladies!



Carlisle Perfection Award Recipients Announced

Carlisle Syntec awarded the following contractors with the Carlisle Perfection Awards:

- Bennett & Brosseau Roofing Inc.
- Combined Roofing Services LLC
- Gluth Brothers Roofing Co. Inc.
- Adler Roofing & Sheet Metal Inc.
- Local Roofing Co. Inc.
- Olsson Roofing Company Inc.
- Roofs Inc.

This prestigious award was established in 2011 as a way to recognize authorized applicators who demonstrate a commitment to perfection and quality on every Carlisle installation. Each year, the Perfection Award honors applicators whose exceptional installation quality results in a warranty claim performance that ranks in the top 5% of all U.S. and Canadian applicators. Congratulations as well to Feze Roofing for earning Carlisle SynTec Systems

Hall of Fame 250 Award and A-1 Roofing with the Centurion 100 Award.



Jobba Announces Chief Customer Officer

Jobba Trade Technologies announced in July the addition of Dennis Keglovits as Chief Customer Officer. Keglovits will focus on building a customer-centric culture within the

company and brings a strong background in compliance, operations, and technology. Jobba CEO Scott Keith stated "... Dennis' vision and culture of leading with service excellence aligns with our core values and we are excited for him to join the Jobba team."

TuffWrap® Installations Announces National Sales Director

CRCA Member TuffWrap® Installations, Inc. announced in late May the appointment of Daniel J. "Dan" Schmidt as the National Sales Director. His responsibilities include overseeing and directing the nationwide company salesforce. Schmidt commented, "My goal is to cement our position of leadership in the interior protection space. In addition, I plan to spearhead the development of additional products and services, such as EXT, our recently introduced engineered exterior enclosure that can be used without the need for scaffolding."

Detec Systems Receive Full Approval

On August 3, 2022, FM Approvals announced the approval of two Detec Systems leak detection solutions under FM's new leak detection product classification:

- PermaScan-C (continuously monitored moisture detection system for conventional low slope/flat roofs)
- IntegriScan (low voltage electronic leak detection scanning system)

The PermaScan-C Roof Membrane Leak Detection System consists of a control panel connected to a moisture sensing tape installed in a grid pattern within the layers of a roof deck. This solution is designed to remotely isolate breaches to a small, defined area so that the least amount of disruption is needed should a repair be necessary. Timely detection can minimize damage caused by hidden moisture.

The IntegriScan Low Voltage Electronic Leak Detection (ELD) scanning system is designed to confirm waterproofing membranes are free of breaches, holes, or seam voids and can be used to locate active leaks. As the IntegriScan Platform is moved over the roof it, interacts

with Detec's TruGround® Conductive Primer, which provides the required conductivity for valid ELD testing.

Both systems were tested and certified to FM Approvals Standard 7745 for Liquid Leak Detection. This examination standard tests and certified products designed to prevent and mitigate potential damages associated with both water and hydrocarbon leaks. In addition to roof leak detection systems, the scope of this standard includes spot, linear, and area detection, as well as systems that learn water usage patterns. These systems can be either wired or wireless and can take action to shut off valves automatically to further limit the damage.

For more information on Detec's Leak Detection Systems, contact sales@detecsystems.com



John Manville Announces 2022 Contractor Awards

The 2022 Johns Manville Top Contractors announced are:

5280 Council

- All American Exterior Solutions
- Sullivan Roofing, Inc.

Pinnacle Council

- Active Roofing
- DCG Roofing

Summit Club

- Local Roofing

Altitude Club

- Great Lakes Roofing & Construction
- Care Sheet Metal & Roofing Inc.
- Complete Building Maintenance

ICP Discontinues APOC® Panel Line

ICP announced in June, that due to strategic realignment of manufacturing facilities, the following panel lines will be discontinued but is looking forward to serving roofing contractors with other roofing and waterproofing product needs. For more information, contact dspaulding@icpgroup.com.

- AP-5040
- AP-5043
- AP-5140
- AP-5520
- AP-5620
- AP-5820
- BD-5820
- AP-5825
- AP-5720 Bridge Deck

Other Industry News



CRCA lost a long-time member and friend with the passing of Christopher Shields on August 2, 2022. Chris worked for STR-SEG, a professional engineering and building envelope consulting firm and served on CRCA's Building Envelope Committee. He will be missed by the roofing industry

and community.

City of Chicago

The City of Chicago has announced changes to the Chicago minimum wage and the Fair Workweek Ordinance effective as of July 1, 2022, including:

- \$15.40 minimum wage for employers with 21 or more employees and all domestic workers (regardless of the number employed)
- \$14.50 minimum wage for employers with 4-20 employees

As of July 1, 2022, scheduled enhancements to the Fair Workweek Ordinance will require:

- Employers in covered industries, including building services, healthcare, hotel, manufacturing, restaurant, retail, or warehouse services, to post work schedules with at least 14 days' notice (an increase from the previous 10 days' notice)
- The schedules of employees who earn less than \$29.35 per hour, or \$56,381.85 per year, are now covered by the Fair Workweek Ordinance.

IRS Mileage and New Employee Tax Credits

The IRS announced it will be increasing the standard mileage rate for qualified business drivers for the second half of 2022. The adjustment reflects the increased cost of gas this year and is accompanied by a hike in the standard mileage rate for medical expenses for all taxpayers as well.

Effective July 1, 2022, the standard mileage rate for business travel will be up from 58.5 cents per mile to 62.5 cents per mile. Additionally, the new rate for deductible medical or moving expenses (available for active-duty members of the military) will be 22 cents, also up by 4 cents from the rate effective at the start of 2022. Typically, the IRS makes annual adjustments to these rates but given the current economy, the change was made mid-year.

The standard mileage rate can be used by taxpayers to calculate the amount of deduction when traveling by vehicle for business purposes. Taxpayers have the option to deduct the actual expenses attributable to your business

use, including gas, oil, tires, insurance, repairs, and licenses and vehicle registration fees. In addition, you may claim a depreciation allowance for the vehicle, based on the percentage of business use.

To make things simpler, taxpayers instead can use this IRS-approved standard mileage rate. With the standard mileage deduction, you must record the mileage for each business trip, the date, the destinations, the names and relationships of the business parties and the business purpose of the travel but you don't have to account for all your actual expenses.

Non-Qualifying Situations

It is important to note the standard mileage rate deduction cannot be used for fleet operations (five cars or more), having claimed an accelerated depreciation deduction for the vehicle in the past or having taken a Section 179 deduction for the vehicle in the past.

Take Advantage of Work Opportunity Tax Credits

In today's tight labor market, many small businesses are being forced to pay higher salaries or offering increased benefits than even a year ago. Some employers are taking advantage of the Work Opportunity Tax Credit (WOTC). This lucrative credit can equal 40% of qualified first-year wages paid to the eligible employee, up to a maximum wage amount of \$6,000 or \$2,400.

This important credit can be claimed in when hiring specific groups of new hires such as:

- Qualified Veterans or Ex-cons
- Qualified summer youth employees
- Qualified Food Stamp Recipients
- Vocational Rehabilitation Referrals
- Qualified Long-Term Unemployment Recipients

Contact your tax professional for more information on the mileage deduction or how to calculate and claim the WOTC.



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CRCA Contractor Members

The Contractor Members of the Chicago Roofing Contractor Association install all types of roofs, including reflective single ply, modified bitumen, built up, gravel, reflective coatings, shingle, shake, slate and tile, vegetative garden or photovoltaic coverings. From formation following the Great Chicago Fire of 1871, CRCA Members have moved with the times and technology, yet continue to maintain some of the same goals set forth over 140 years ago. To find a CRCA Professional Contractor, visit www.CRCA.org.

- 1st Home Improvement.....(847) 496-5530
- A&E Roofing & Siding.....(630) 264-1553
- A+ Roofing Co., Inc.....(630) 227-1111
- A-1 Roofing Co.....(847) 952-3600
- Active Roofing Co., Inc.....(773) 238-0338
- Adams Roofing Professionals, Inc.....(847) 364-7663
- Adler Roofing and Sheet Metal, Inc.....(815) 773-1200
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- Air Pressure Damp Proofing.....(847) 394-4100
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- All Sealants, Inc.....(708) 720-0777
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- CSR Roofing Contractors, Inc.....(708) 848-9119
- Custom Roofing Contracting LTD.....(847) 639-8400
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- Deady Roofing & Construction, Inc.....(708) 672-0874
- Deluxe Roofing Inc.....(847) 404-9775
- Distinctive Roofing, Inc.....(815) 986-0831
- Domain Corporation.....(773) 628-0001
- Driscoll Renovations, Inc.....(630) 628-7800
- Dunne Roofing Company.....(847) 696-1643
- DuSable Construction Co.....(773) 463-9290
- E. Ariel Roofing Solutions LLC.....(224) 357-8745
- Elens & Maichin Roofing &
Sheet Metal, Inc.....(815) 727-2689

- Elite Home Restoration, Inc.....(630) 823-8580
- F & G Roofing Company, LLC.....(708) 597-5338
- Feze Roofing, Inc.....(630) 530-5944
- Filotto Roofing, Inc.....(815) 740-5461
- Foremost Improvements Inc.....(847) 376-8617

- Freeport Industrial Roofing.....(815) 235-5350
- Galewood Tuckpointing &
Roofing Co., Inc.....(708) 452-7900
- GC Roofing LLC.....(773) 766-3421
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Proliance General Contractors, Inc. (630) 541-3923
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Prusak Construction & Roofing, Inc. (708) 422-2624
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Alsip	(708) 396-1414	Blue Ridge Fiberboard, Inc.	(866) 850-8834	Flex Membrane International Corp.	(610) 916-9500
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Progressive Materials	(630) 488-9277
Prosoco, Inc.	(800) 255-4255
R.M. Lucas Company	(773) 523-4300
Raptor Synthetic Underlayments	(317) 202-8200
Ray's Roofing Supply	(219) 932-7297
RESISTO	(855) 227-7850
Richards Building Supply Company	
Corporate	(773) 586-7777
Calumet City	(708) 891-2211
Joliet	(815) 725-2458
Chicago/Belmont Ave.	(773) 499-7177
Rockwool	(855) 876-3755
Roof Drain Parts and Supply LLC	(803) 496-0336
Roofmaster Products Company	(800) 421-6174
Runnion Equipment Company	(708) 447-3169

S.J. Mallein & Assoc.	(630) 570-0301
Safety Check, Inc.	(815) 475-9991
Safety Rail Company LLC	(888) 434-2720
Sashco, Inc.	(800) 767-5656
Schwab Group LLC	(630) 326-9444
Sentry Building Innovations	(877) 254-0788
Service First Solutions	(469) 496-0055
ShapeConnect, Inc.	(847) 322-4929
Sheet Metal Supply Ltd.	(847) 478-8500
Sika Sarnafil	(800) 532-5123 x7222
Siplast	(800) 922-8800
Soprema, Inc.	(330) 334-0066
Southwind RAS, LLC	(630) 233-5700 x119
Stone Mountain Access Systems, Inc.	(708) 544-9010
Swanson, Martin & Bell, LLP	(312) 321-9100
Tarco	(800) 365-4506
The Horton Group	(708) 845-3000
Tilcor Roofing Systems	(224) 443-1817
TRUFAST	(800) 443-9602
Tuffwrap Installations, Inc.	(815) 302-5280
United Asphalt Company	(800) 843-0317
United States Gypsum	(773) 213-6192
USI Insurance Services	(716) 314-2005
VB Synthetics	(312) 664-3810
Velux America	(864) 941-4770
Verde Solutions LLC	(800) 541-1137
Versico	(800) 992-7663
VFC Lightning Protection	(801) 292-2956
Viking Products Group	(800) 350-2142
Walter Payton Power Equipment LLC	(708) 656-7700
Westlake Royal Roofing Solutions	(612) 718-3514
WickRight, Inc./365 Construction Tents	(312) 720-1467
WindSmart, LLC	(800) 474-8186
Worhouse, Inc.	(847) 621-2470

Architects & Roof Consultants

ARCON Associates, Inc.	(630) 495-1900
Building Envelope Consultants Ltd.	(317) 432-1727
Building Technology Consultants, Inc.	(847) 454-8800
C.E. Crowley & Associates, Inc.	(847) 662-8132
Century Roof Consultants	(847) 202-8500
Flood Testing Labs, Inc.	(773) 721-2200
Hutchinson Design Group, LLC	(312) 343-9595
Illinois Roof Consulting Associates Inc.	(815) 385-6560
INSPEC, Inc.	(847) 652-6617
Interstate Roof Systems Consultants, Inc.	(847) 695-1460
K2N Crest	(630) 990-9595
Kellermeyer Godfryt Hart, P.C.	(847) 318-0033
Klein and Hoffman, Inc.	(312) 251-1979
Legat Architects	(630) 645-1906
Mac Brady Associates, Inc.	(312) 550-1343
MTech Roofing Solutions LLC	(630) 777-8024
Raths, Raths and Johnson, Inc.	(630) 325-6160
RCL Engineering Services	(847) 867-7093
SRI Consultants Inc.	(608) 831-5333
STR Building Resources LLC	(847) 652-6115
YA Engineering Services	(312) 919-8279

Vacuuming

D&M Service Group	(816) 830-9432
Dietz Vacuum Service, Inc.	(708) 301-9127
Ready Vac, Inc.	(847) 437-5771
RK Hydro-Vac, Inc.	(800) 754-9376
Vac-It-All Services, Inc.	(314) 487-5600
Velocity Roof Vac Service Inc.	(630) 936-2421

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