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Most Valuable Employees
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CAROLINAS CONTACTS

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MARCH | APRIL 2019

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Letter from the **PRESIDENT**

ARE YOU PARTICIPATING IN THE UPCOMING CRSMCA MEETINGS AND EVENTS?

Be sure to join us at the 2nd Annual Spring Golf Tournament at the Rocky River Golf Club in Concord, North Carolina. The tournament will be held on THURSDAY, MAY 2, 2019... there are less than 10 foursome-team registrations available. You can also support by providing a raffle item to CRSMCA (contact Carla Sims for details). You can register online or contact the CRSMCA office for a form... **DON'T MISS OUT!** This event was sold out with over 150 attendees and replaces the Spring District Meetings!

I would like to encourage the CRSMCA members to take advantage of the following member programs set in place for YOU! The CRSMCA Executive Committee is continuing to work for you in providing member programs to assist in discount opportunities for your company!

Extended Insurance Benefit Programs for dental, disability and life insurance for CRSMCA member employees and family members. Pricing offered is established for all association members, with no medical underwriting requirements (unless specified). Each CRSMCA member/employee can pick their effective start date with an option to align with other existing benefits or fiscal year. For more information, questions or to sign up, contact Cindy Shumpert with Assured-Partners at 800.845.3263 or cindy.shumpert@assuredpartners.com

Charlotte Payroll services provide CRSMCA members an opportunity to receive discounts for new hire, payroll and other human resource needs. Your company could receive as little as 20% in cost savings. For more information, questions or to sign up, contact Rod Beard 704.609.1256 or rod@charlottepayroll.com

CRSMC – Self-Insurers Fund is the oldest workers' compensation group funded in the Carolinas and could be saving you money! To request a quote or for specific workers compensation questions, please contact Cindy Shumpert at AssuredPartners at 800.845.3263 or cindy.shumpert@assuredpartners.com

Summer will be here before we know it... make sure you plan your weekend with your CRSMCA members and families! The CRSMCA 76th Annual Meeting/Summer Convention, June 19-23, will be meeting at the Marriott Resort & Spa Grande Dunes with a list of speakers from Brian Parsley, NRCA Executive, CRSMCA Past Presidents, and the CRSMC-Self Insurers Fund sponsoring a presenter. This event is a blast for you and your family from beach socials to children events and networking opportunities throughout the event. You and your family are sure to have a great time... CRSMCA REGISTRATION AND RESERVATIONS ARE OPEN AT THE MARRIOTT, BOOK BY MAY 29!

—*Scott Mathias, Watts & Associates Roofing, Inc.*



CAROLINAS ROOFING & SHEET METAL CONTRACTORS ASSOCIATION

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Carolinas Contacts addresses issues and concerns of the roofing industry. Technology, test, and building codes are constantly changing, and such changes may not be reflected herein. All information is presented for the benefit of our readers and does not necessarily reflect the views of CRSMCA. Press releases and product information presented do not reflect all available materials. Before purchasing, installing, using, or recommending any product, system, or method, readers should make independent evaluations.

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THE CRSMCA MISSION STATEMENT

To promote and safeguard the common business interest of its members and to improve conditions by educating all persons concerning the roofing and sheet metal business and industry. To work for the development and progress of the roofing and sheet metal business industry and to work with individuals' organizations and governmental agencies toward the achievement of a stronger profession of the roofing and sheet metal industry.



Letter from the ASSOCIATE GROUP PRESIDENT

As the first quarter of the year closes, CRSMCA has had a lot of traction meetings and events to come. The **2nd Annual Spring Golf Tournament will be held on Thursday, May 2, 2019** at the Rocky River Golf Course in Concord, NC. Be sure to get your team register... less than 10 spots are left! This is a great networking event to get to know your roofing industry professionals and enjoy a game of golf and win prizes.

The Spring Annual Golf Tournament also **supports the NEW! CRSMCA Dorothy Nagle Scholarship Program**. CRSMCA just closed and selected the first 2019-2020 fall semester recipients of the scholarship program... be sure to look out for the winner's names in the coming days. If you, an employee, or an employee's family member is looking for scholarship assistance, be sure to check out the CRSMCA website for the next chance to apply!

Make your summer plans to attend the **76th Anniversary of the CRSMCA Annual Meeting/Summer Convention, June 19-23, in Myrtle Beach, SC**. This event will feature guest speaker, Brian Parsley, that we encourage members and spouses to attend! Also speaking will be an executive from the NRCA, CRSMCA Past Presidents in a roundtable discussion with members and the CRSMC-Self Insurers Fund presenting an information presentation on safety in the workplace for all members. Look for information within this issue as well as on the CRSMCA website.

Once again, I would like to say thank you for the continued support of the sponsors and attendees of the CRSMCA meetings and events. Your support helps to make this possible and if you're interested in becoming a member or would like to attend an event please reach out as we are happy to show you what the CRSMCA association has to offer.

–Drew Buchanan, GAF Materials Corporation



Association IN ACTION

Is your year going by as fast as mine? CRSMCA has closed another successful Carolinas Mid-Winter Roofing Expo and everyone is ready to get caught up on the list of projects that were impacted by the rain over the last couple of months.

In this issue we are sharing some highlights of the Carolinas Mid-Winter Roofing Expo with snapshot photos as well as congratulating the 2019 Most Valuable Employees; recognizing Ladder Safety; and sharing a few important notes on drone safety.

Check out what is coming up in the Carolinas in the new few

Commercial, Industrial



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months and be sure to check out the CRSMCA website (www.crsmdca.org) for additional information and easily accessible registrations.

NRCA is providing a Qualified Trainer Conference at the CRSMCA office on April 29-May 1. To be the best, send your trainer(s) to the NRCA Qualified Trainer Conference, a state-of-the-art, three-day classroom and hand-on educational program that gives them the tools they need to be exceptional. Check out details in this issue or at NRCA.org

The 2nd Annual Spring Golf Tournament, sponsored by Beacon Roofing Supply, will be taking place in lieu of the Spring District Meetings at the Rocky River Golf Club in Concord, North Carolina. This will be an opportunity for the roofing industry to unite in a networking and fun environment. CRSMCA would like to give the opportunity to the vendors/associate members to be sponsors of the tournament to allow them to showcase their company products, providing an activity, and/or by providing refreshments. The tournament will feature a Poker Run, sponsored by IKO, during the tournament play as well as host an evening awards ceremony with dinner.

LIMITED SPACE REMAINS. ONLY 12 Team Spots available. LIMITED ROOMS AVAILABLE at the Homewood Suites by Hilton located on the property

CRSMCA will be celebrating their 76th Anniversary at the Annual Meeting/Summer Convention June 19-23 at the Marriott Resort & Spa Grande Dunes in Myrtle Beach, South Carolina. The detailed agenda and your registration forms are within this issue.

Host Hotel Reservations at the Marriott Resort & Spa Grande Dunes EXPIRE on MAY 29!

The CRSMCA Board members and staff continue to work together to bring the CRSMCA members continuing education throughout the year from the Master Installers Certification Program. These classes are great for any roofing professional that is interested in learning more about these areas of the roofing process. Class participants not only will learn from an expert in the classroom, but also receive applicable hands-on demonstrations and be tested on the knowledge learned for competency. The Committee is currently looking for manufacturer and/or distributor participation with instruction and hands-on demonstrations for upcoming classes (low-slope metal flashing, metal roofing, and coatings). If you are interested in participating at any level, please contact the CRSMCA office.

As always, if your company needs any form of training, please contact the CRSMCA office to discuss how CRSMCA can help your company stay safe and educated when on the job!

I look forward to seeing you all at the next CRSMCA events that are coming up in the Spring and Summer. There is always growth and strength in numbers and opportunities to grow not only YOUR CRSMCA, but YOUR roofing industry!

—Carla B. Sims, CRSMCA Executive Director

CRSMCA IS SEEKING VOLUNTEERS FOR THE CRSMCA COMMITTEES

CRSMCA is always looking for members to volunteer within their Association. What better way than to join a Committee where you can share your thoughts/opinions to help structure the Association and its future. As a Committee Member you will be able to put your name and your company's name in front of your fellow members.

Membership Committee

The Membership Committee's primary responsibility is to increase and develop contractor membership and participation. The committee needs to increase membership by 20 members and to establish and promote a recruitment incentive plan. The Association office will assist in securing any new members.

Education and Professional Development Committee

Develops educational programs to be implemented at the Mid-Winter meeting, Summer Convention and District meetings. Secures speakers. The goals of this committee include increasing attendance at each event ensuring that the speakers meet the member's needs

CRSMCA Carolinas Contacts Magazine Committee

Meets six times a year to decide on articles to include in the issues of the *Carolinas Contacts*. Secures advertisers for the magazine.

CRSMCA Safety STAR Committee

Maintains an active partnership with NCDOL/OSHA to promote safety in the workplace. Gives a voice from CRSMCA members in regulatory issues concerning the roofing industry.

Maintains the STAR program within the Association. Helps members get started in this program and guides them as needed. Audits the STAR applicants

Political Action Committee

Researches current political issues affecting the roofing industry in both North and South Carolina and informs the board so that they can determine what action if any needs to be taken

Spring Golf Committee

Develops and assist with the planning of the Annual Spring Golf Tournament with securing the location, sponsors, prizes, four-somes, etc. as well as additional tournament fun events.

If you or someone in your company is interested or have questions, please feel free to contact your CRSMCA President, Scott Mathias (scott@wattsroofing.com) or me at any time. WE WOULD LOVE TO HEAR FROM YOU!



WHAT IS THE CRSMCA MASTER INSTALLER CERTIFICATION?

The CRSMCA Roofing Academy Master Installer Certification Program is designed to promote safety issues and concerns in the

application of the roof systems to prepare the employee for best practices in their job performance. It is intended for the use by anyone with an interest in these roof systems, from roofing workers to foremen to supervisors. It is a culmination of efforts by contractors, manufacturers, suppliers and others who are dedicated to promoting safety.

Enrolled students will learn and train the basics of roofing, increasing their knowledge and skills to make them more valuable to their respective companies, as well as build future leaders in the roofing industry.

HOW CAN YOU GET INVOLVED?

The CRSMCA Roofing Academy Committee is always searching for instructors of the classroom material and the hands-on demonstration. View the class and hands-on courses in this issue. Should you wish to be an instructor, donate materials, and/or be a hands-on instructor; please contact the CRSMCA office at 704.556.1228 or cbsims@crsmca.org or the Committee Chairman, David Griffin, at dgriffin@coastalcommercialroofing.com.



SC DEPARTMENT OF LABOR, LICENSING AND REGULATION/SC OSHA

General Information

803-896-7665 askscosha@llr.sc.gov

FREE! Training Classes are available for employers and employees of both the public and private sector; please contact Van Henson at (803) 896-7769.



JOIN NRCA TO TAKE OVER CAPITOL HILL

The purpose of the event is to bring the roofing industry together to meet with members of Congress and their staff and deliver the industry’s message with “one voice”.

On March 6-7, 2018, the roofing industry came together in Washington, D.C., for Roofing Day in D.C. 2018. The event was a success with more than 400 professionals from all segments of the roofing industry coming together to deliver our industry message with “one voice” to Congress. From states as far as Hawaii and Alaska, roofing professionals from all segments of the industry showed up and made a lasting impression on legislators, bringing to their attention our urgent need for regulatory reform, enhanced career and technical educational programs, and immigration reform that meets our workforce needs.

OSHA OFFERS RESOURCES TO ADDRESS FALLS IN THE WORKPLACE

The Occupational Safety and Health Administration (OSHA) has developed a collection of compliance assistance resources to address falls in the workplace—the leading cause of worker fatalities in the construction industry, according to www.osha.gov.

OSHA’s goal is to promote awareness

about common fall hazards in construction; educate job creators and workers regarding fall prevention; and reduce the number of fall-related injuries and fatalities. The resources continue the goals of the Department of Labor’s Office of Compliance Initiatives and encourage and facilitate compliance evaluations.

Falls can be prevented if employers plan ahead to ensure the job is done safely; provide the right equipment; and train workers to use the equipment safely. OSHA is working with industry stakeholders to provide informative compliance assistance resources.

- The sixth annual National Safety Stand-Down to Prevent Falls in Construction will be held May 6-10. The weeklong outreach event encourages employers and workers to pause during the workday to discuss fall hazards and how to prevent them.
- A series of safety videos show how to prevent construction-related fall hazards from floor openings, skylights, fixed scaffolds, bridge decking, reroofing and leading-edge work.
- OSHA’s Fall Prevention Training Guide provides a lesson plan for employers, including several Toolbox Talks.
- Fact sheets about ladders and scaffolding provide guidance regarding the safe use of these types of equipment while performing construction activities.
- A brief video, “5 Ways to Prevent Work-

place Falls,” encourages employers to develop a fall-prevention plan and provide workers with fall protection and training.

For more information, visit www.osha.gov.



NATIONAL ROOFING WEEK 2019 WILL BE JUNE 2-8!

NRCA has announced National Roofing Week 2019 will take place June 2-8 to raise awareness of the significance of roofs to every home and business.

Celebrated each year during the first full week of June, National Roofing Week serves as a reminder that the roof is one of the most important components of every structure. It is the first line of defense against natural elements, such as rain, snow or wind, yet it often is taken for granted until it falls into disrepair.

In celebration of National Roofing Week, NRCA will host the “We are Family” Raffle, sponsored by A.C.T. Metal Deck Supply. Open to all NRCA member companies, the raffle involves companies taking a group photo of all employees—their “roofing family”—and submitting it to NRCA for a chance to win a prize.

NRCA HAS ANNOUNCED ROOFING DAY IN D.C. 2019 IS APRIL 3-4, 2019
 All contractor members and other roofing professionals are urged to participate in this transformative event in Washington D.C.
Mark your calendars – Save the Date!
www.nrca.net/roofingday

National Roofing Week also promotes the good deeds of the roofing industry and stresses the value of professional roofing contractors and the importance of making informed decisions about maintaining or replacing any roof system. During National Roofing Week, NRCA encourages its members to participate by engaging in their communities and informing the public about the essential role roofs and professional roofing contractors play in every community.

NRCA also will be sharing its members' stories through its various social media outlets and Professional Roofing magazine. Members throughout the U.S. are encouraged to share their stories of charitable giving, crew and staff appreciation, and signature roofing projects with NRCA.

National Roofing Week 2019 is sponsored by National Women in Roofing (title sponsor); ABC Supply Co. Inc.; A.C.T. Metal Deck Supply; Carlisle SynTec; FlashCo; GAF; Polyglass U.S.A., Inc.; and Sherwin-Williams.

For more information about National Roofing Week, visit www.nrca.net/National-Roofing-Week.

START SAFELY, END SUCCESSFULLY

Online educational programs for all levels... Register at www.nrca.net/nrcauniversity

NRCA's Health & Safety Resources available to you:

- NRCA's Pocket Guide to Safety – new and updated! This pocket guide explains the latest federal and state-plan OSHA regulatory requirements along with EPA and DOT rules affecting roofing work.
- NRCA's Toolbox Talks – teaching safety never has been this easy. Review more than 100 safety lessons with your crews.
- The NRCA Safety Manual [Third Edition] – this manual gives updated and expanded explanations to improve worker safety at roofing job sites.

NRCA University provides essential training in Spanish for all your workers, including:

- NRCA Toolbox Talks
- Serving Up Safety: A Recipe for Avoiding Falls on the Job
- NRCA Pocket Guide to Safety
- Roofing Industry Fall Protection from A to Z
- And many more Spanish-language offerings

NRCA has a vast array of NRCA benefits to help your business prosper. Visit www.nrca.net/membervnavigation to learn more.

NRCA is continuing their popular series of FREE WEBINARS on the third Thursday of each month. These new and innovative webinar topics and presenters have been selected to expand your knowledge by giving you new ideas that you can implement into your company immediately. Each webinar offers a unique experience specifically tailored to roofing professionals. Don't miss out on these live opportunities to stay up to date with industry issues affecting your business.

For upcoming webinars and all previous webinar recordings, visit www.nrca.net/webinars.

UP AND DOWN EASTERN U.S.

- Virginia Association of Roofing Professionals, www.varoofingprofessionals.org
- Tennessee Association of Roofing Contractors, www.tarcroof.org
- Kentucky Roofing Contractors Association, www.krca.org
- Roofing & S/M Contractors Association of GA, www.rsmca.org
- Florida Roofing & Sheet Metal Association, www.floridarooft.com



LEARN ABOUT THE CRSMC SELF-INSURERS FUND

Carolinas Roofing and Sheet Metal Contractors – Self-Insurers Fund is the oldest worker's Compensation group funded in the Carolinas and could be saving your company money! Members within the CRSMC-SIF program are not just purchasing their workers compensation, but investing into a program that brings additional value to their company through a commitment to ensure the safety of their employees. As a member/customer within the program, you participate in building a fund that is beneficial for all members/customers within the program, you could receive competitive rates within the insurance industry, and you could receive a return of interest determined by the CRSMC-SIF Trustees and other approved returns during the year. In the year 2016, the CRSMC-SIF returned more than \$1 MILLION DOLLARS to the CRSMC-SIF members!

Additionally, the CRSMC-SIF is large component of support for the CRSMCA through sponsoring the CRSMCA Annual Meeting/ Summer Convention and attendance of Trustees at the event. HAVE YOU CONSIDERED CRSMC-SIF FOR YOUR WORKERS COMPENSATION NEEDS?

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NC DEPARTMENT OF LABOR/OSH Compliance Bureau Contacts

Tim Childers
336-776-4420 | tim.childers@labor.nc.gov

Phil Hooper
919-779-8512 | phil.hopper@labor.nc.gov

Training information, registration and training course and dates can be found at https://www.labor.communications.its.state.nc.us/OSHPublic/ETTA/class_regist/calendar.cfm

UPCOMING TRAINING EVENTS

- Workzone Safety (Webinar) | April 8
- Fall Protection (Webinar) | May 6
- 10-Hour Construction Industry Workshop (Fayetteville) April 8-9
- 30-Hour Construction Industry Workshop (Fayetteville) April 8-12
- 10-Hour Construction Industry Workshop (Asheville) June 16-18
- 10-Hour Construction Industry Workshop (Hickory) August 19-20
- 30-Hour Construction Industry Workshop (Hickory) August 19-23
- Complying with OSHA General Industry Standards (Raleigh) | October 2-3

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OSHA ISSUES INSTRUCTION ON ENFORCEMENT OF CRANE OPERATOR CERTIFICATION REQUIREMENT

OSHA is now enforcing the requirement that employers must evaluate the competency of their operators before allowing them to operate cranes independently. The agency will offer compliance assistance until April 15 for those employers who have evaluated operators in accordance with the final rule (<https://www.federalregister.gov/documents/2018/11/09/2018-24481/cranes-and-derricks-in-construction-operator-qualification>) and are making good faith efforts to comply with the new documentation requirement. For more information, read the agency's enforcement guidance (https://www.osha.gov/doc/documents/temp_enforcement_policy_02072019.html).



OSHA ANNOUNCES NATIONAL SAFETY STAND-DOWN TO PREVENT FALLS MAY 6-10, 2019

Employers and workers are invited to participate in the fourth annual National Safety Stand-Down to Prevent Falls in Construction, May 6-10, 2019. The weeklong outreach event encourages employers and workers to pause during the workday to discuss fall hazards and how to prevent them. Falls are the leading cause of death in the construction industry, accounting for 37 percent of fatalities industry-wide. For resources on fall prevention visit <https://www.osha.gov/StopFallsStandDown/>.

SAVE THE DATE



CELEBRATE YOUR SAFETY SUCCESSES

GET READY FOR SAFE + SOUND 2019

Safe + Sound, OSHA's year-round campaign to encourage every workplace to have a safety and health program, includes both employers and workers.

Participate in quarterly events on building an effective safety and health program in your workplace. Learn about best practices during webinars and put them into action during the 30-day challenges. These events also focus on management leadership, worker participation, and finding and fixing hazards. Share your safety successes during Safe + Sound Week, August 12-18, 2019. Sign up on the Safe + Sound website www.osha.gov/safeandsound/

10 WAYS TO GET YOUR PROGRAM STARTED



If you are not quite ready to implement a complete safety and health program, here are some simple steps you can take to get started. Completing these steps will give you a solid base from which to take on some of the more structured actions you may want to include in your program.

- 1 — Establish safety and health as a core value.** Tell your workers that making sure they finish the day and go home safely is the way you do business. Assure them that you will work with them to find and fix any hazards that could injure them or make them sick.
- 2 — Lead by example.** Practice safe behaviors yourself and make safety part of your daily conversations with workers.
- 3 — Implement a reporting system.** Develop and communicate a simple procedure for workers to report any injuries, illnesses, incidents (including near misses/close calls), hazards, or safety and health concerns without fear of retaliation. Include an option for reporting hazards or concerns anonymously.
- 4 — Provide training.** Train workers on how to identify and control hazards in the workplace, as well as report injuries, illnesses, and near misses.
- 5 — Conduct inspections.** Inspect the workplace with workers and ask them to identify any activity, piece of equipment, or materials that concern them. Use checklists to help identify problems.
- 6 — Collect hazard control ideas.** Ask workers for ideas on improvements and follow up on their suggestions. Provide them time during work hours, if necessary, to research solutions.
- 7 — Implement hazard controls.** Assign workers the task of choosing, implementing, and evaluating the solutions they come up with.
- 8 — Address emergencies.** Identify foreseeable emergency scenarios and develop instructions on what to do in each case. Meet to discuss these procedures and post them in a visible location in the workplace.
- 9 — Seek input on workplace changes.** Before making significant changes to the workplace, work organization, equipment, or materials, consult with workers to identify potential safety or health issues.
- 10 — Make improvements to the program.** Set aside a regular time to discuss safety and health issues, with the goal of identifying ways to improve the program.



CAROLINAS MID-WINTER ROOFING EXPO PHOTO RECAP









CRSMCA's Most Valuable Employees for 2019

James Day, Hamlin Roofing Company, Inc., is a crane operator and shop manager. James has been employed with Hamlin Roofing Company since June 1980. As the primary crane operator, James holds certificates in CPR/First Aid, Rigging & Signaling, Telescoping Boom Cranes Fixed & Swing Cabs, Boom Truck Fixed Cab and Service Truck Crane, along with several other certificates. James not only provides valuable insight and expertise when on the jobsite, he is also our primary source for maintaining and repairing all of our roofing equipment, which is no small task. When there is a project with difficult access or staging problems, Jams is the go-to resource for finding the solution to the problem. There is no piece of equipment that James cannot repair, re-manufacture or re-design to meet the requirements of a project.

James' leadership skills are highly valued to the younger generation, just starting out. James is one individual whose absence creates the most disruption to the Hamlin operation. It is for these reasons, he merits the title of Most Valuable Employee.



Wyman Windham, Watts & Associates Roofing, Inc., began his career in the roofing industry in October 1985. Wyman started in the field as a sheet metal mechanic working under his father, T.W.

Wyman's dedication and work ethics allowed him to climb thru ranks in the company. Wyman holds the title of superintendent; however, he is so much more than that. Wyman is the "Go to Guy"! Wyman not only manages the field operations in the sheet metal department, he also manages the services and maintenance division, trains his field guys in both low-slope and steep-slope applications, works with project managers, and superintendents on the job sites, and basically completes any task that is asked of him.

For Wyman, it doesn't matter what the task is, what time of day, or what day of the week it is, Wyman gives it 100% always. These are just a few reasons why Wyman is the Most Valuable Employee at Watts & Associates Roofing, Inc. •

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Murr & Laney
 Roofing and Sheet Metal
MURR & LANEY
MEMBER SPOTLIGHT
Holy Trinity Greek Orthodox
Church Cathedral (Charlotte NC)

Written by Will Funderburk, President of Murr & Laney, Inc.

Murr & Laney, Inc. was nominated for the National Roofing Contractors Association's Gold Circle Award for the copper work on Holy Trinity Greek Orthodox Church located on East Boulevard. A copy of our entry is attached. We were selected as one of five finalists.

Matthew and I just returned from the International Roofing Expo in Nashville, Tennessee.

We are proud to announce that while we did not win, we received Honorable Mention (technically third place), out of 39 entries nationwide.

The winning projects were Cascade Courthouse, Copper Roof Replacement, Great Falls, Montana and Dartmouth College Baker Tower Renovations, Hanover, New Hampshire. We feel honored to even be in the same arena with these two projects, much less to be recognized on a national level for our work.

The first Greek immigrants settled in Charlotte around 1910. They comprised a small colony of about twenty individuals.

At the start of World War I the colony of immigrants had grown to about 50 men, women and children. In 1923, the Greek Orthodox Parish of Charlotte was organized under the sanction and with the blessings of the Greek Orthodox Archdiocese of North and South America. The first Church services were held at the Chamber of Commerce building until the local American Hellenic Educational Progressive Association chapter rented and provided an upstairs hall on East Trade Street. By the mid-1950s the Greek community had grown to more than 250 families.

In 1951, the Holy Trinity community purchased the J. A. Jones Estate at 600 East Boulevard. The estate, which covered a whole square city block, would fulfill the vision of a new Church and Education Center. After many months of construction following the groundbreaking in 1953, Holy Trinity Greek Orthodox Cathedral opened its doors in the spring of 1954. The seating capacity for the new Church was 600 people.

The original roof was red clay tile. The main center dome and two smaller domes were coated with Dupont Hypolon.

Move ahead to 2015: Murr & Laney, Inc. was notified that the Holy Trinity Greek Orthodox Church was planning a major addition to their Cathedral and asked for a bid. In order to make the new Cathedral designs a reality, there were some strict design rules to adhere to: The new additions needed to respect the original character of the Cathedral while being easily distinguishable; and since the Church was now part of the historical Dilworth District, the material needed to be historically appropriate ... which meant the new addition had to blend in and match the existing structure. The new additions and copper roofs had to look like they were installed in 1999.

Murr & Laney, Inc. was awarded the contract, and began their work in mid-July, 2016. The initial contract was for three small domes to match the existing, eight new barrel roofs, sloped roofing below the domes, new eave strip, rake strip and flashings, additional new crosses and ornamental awning on side entrance door.

The new domes were fiberglass bases, so they were able to bring the bases to their shop, cover and transport to the jobsite. It was quite the community entertainment

when the new domes were lifted into place on the building. The dome walls were waterproofed using a wall coating tinted to off-white/gray to closely match the existing wall color.

A new Durolast walkway roof was added using Densdeck with tapered insulation sloped to drain. Copper coping cap and trim was added. New copper conductor heads and downspouts were fabricated and installed.

Radiused copper panels were added to the barrel roofs, Standing seam copper roofs below the domes and at the base of the existing main dome.

Extensive research and experimenting were done on how to “age” the new copper to just the right hue without damaging or changing the existing copper, or without impacting existing landscaping. Murr & Laney, Inc. finally called in a chemist who was able to help them come up with a formula for just the right mix of environmentally compatible ingredients. Our work was completed in mid-February 2017.

Murr & Laney, Inc. stated: “We feel we had a great working relationship with the contractor and other trades on this project and partnered with them to help find solutions to any issues that came up such as adding extra insulation to the Education Building entry and adjusting the angle of the domes. We cleaned and scraped caulking off all existing glass windows in the main dome, replaced broken glass and re-glazed all the windows ... not normally a roofer’s job, but whatever it takes to get the job done!”

“The Holy Trinity Greek Orthodox Church in Charlotte is a landmark that most people around this area are familiar with. We are proud of our history with this congregation, and our role in creating this beautiful facility.” •

(To be noted: In pictures below, there are some discolored (Patina not matching) panels on the lower standing seam roof. This was caused by a mason cleaning his mortar off those panels 15 years ago, which changed the aging of those panels)

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Get in touch now for details & registration

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MARCH IS NATIONAL LADDER SAFETY MONTH

Take Steps to Stay Safe

Ladders are one of the most frequently cited Occupational Safety and Health Administration violations each year, accounting for many construction industry fatalities and injuries, according to www.constructionjunkie.com.

This month marks the American Ladder Institute's third annual National Ladder Safety Month, and there are various ladder safety resources available to help raise awareness and prevent falls.

- LadderSafetyTraining.org, an American Ladder Institute website, offers various training materials, including free interactive training modules.
- The National Institute for Occupational Safety and Health offers a free app called Ladder Safety, which provides immediate access to ladder safety tips and resources and can help with proper ladder positioning. The app is available for Apple and Android products.
- CPWR—The Center for Construction Research and Training offers ladder safety toolbox talks, as well as videos and tip sheets.
- OSHA provides an eTool regarding ladder safety complete with pictures, as well as printable Quick Cards with ladder safety tips.

National Ladder Safety Month is Feb. 24 through March 31.

THE FACTS ABOUT LADDER SAFETY:

Companies reduce ladder use as ladder-related injury numbers rise

As the number of ladder-related injuries in the workplace increase, companies are restricting ladder use and the ladder industry is offering new safety features, according to Bloomberg BNA.

Deaths involving ladders grew 29 percent between 2011 and 2015 to 157, while the overall number of on-the-job fatalities increased 3 percent between 2011 and 2015 to 4,836. Additionally, ladder-related injuries serious enough to require an employee to miss at least one day of work increased 9 percent from 2011 to 2015, reaching 23,920. In 2015, such injuries led to workers missing a median of 21 days from their jobs.

Injury numbers are highest in the construction industry, with 11.2 injured workers for every 10,000 employees, which is prompting companies to restrict ladder use; for example, some employers are implementing initiatives that involve looking for ways to eliminate the need for ladders or requiring workers to get written permission from supervisors before using a ladder.

Additionally, some manufacturers are reconsidering the need for ladders when designing new manufacturing plants. Toledo, Ohio-based Owens Corning opened a factory in Gastonia, N.C.,

in 2015 that eliminated about 85 percent of the proposed requirements for fixed and portable ladders.

When eliminating ladders, safe alternatives are necessary. Although the alternatives could come with a cost to employers, advocates say those costs will be paid for by fewer injury claims and lost work days.

In addition, the ladder industry is offering products and design innovations meant to reduce the chance of workers falling, such as eliminating the flat section atop A-frame ladders to discourage people from standing on top of the ladder; height-adjustable A-frame ladders with a cage at the top; and a clicking sound to let workers know when they have reached the bottom rung of a ladder.

Climbing Ladders Safely

Every year over 300 people die in ladder-related accidents, and thousands suffer disabling injuries. March 2018 marks the second annual National Ladder Safety Month. This special emphasis is intended to raise awareness of ladder safety and to decrease the number of ladder-related injuries and fatalities. In the last Safety Talk, we addressed some ladder safety basics. In this Safety Talk we will address the physical act of climbing a ladder – including both ascending and descending a ladder.

Factors contributing to falls from ladders include being in a hurry, sudden movement, lack of attention, the condition of the ladder (worn or damaged), footwear, and even the user's physical condition.

Although the user's weight or size typically does not increase the likelihood of a fall, it can impact their posture and agility. Improper climbing posture lead to falls. Reduce your chances of falling during the climb by:

- wearing slip-resistant shoes with heavy soles to prevent foot fatigue;
- cleaning the soles of shoes to maximize traction;
- using towlines, a tool belt or an assistant to convey materials so that hands

- are free when climbing;
- climbing slowly and deliberately while avoiding sudden movements;
- never attempting to move a ladder while standing on it;
- keeping the center of your belt buckle (stomach) between the ladder side rails when climbing and while working. Do not overreach or lean while working so that you don't fall off the ladder sideways or pull the ladder over sideways while standing on it.

In addition to the above, it is safest to utilize three points-of-contact when climbing a ladder, because it minimizes the chances of slipping and falling from the ladder. At all times during ascent, descent, and working, the climber must face the ladder and have two hands and one foot, or two feet and one hand in contact with the ladder steps, rungs and/or side rails. In this way, the climber is not likely to become unstable in the event one limb slips during the climb. It is important to note that the climber must not carry any objects in either hand that can interfere with a firm grip on the ladder. Otherwise, three points-of-contact with the ladder cannot be adequately maintained and the chance of falling is increased in the event a hand or foot slip occurs.

On our jobs, which of the above rules for safe climbing do you think are most often overlooked or avoided? Why do you think that is? What additional rules for safe climbing do you think should be added to the above list?

Three simple steps that can help prevent falls from ladders:

- **Plan ahead** to get the job done safely.
- **Provide** the right ladder for the job with proper load capacity.
- **Train workers** to use ladders safely

Ladder Inspection and Disposal

Failing to properly inspect each part of your ladder and your equipment could mean putting yourself in danger. Here are a few reminders of what you should be inspecting:

- Safety Shoes
- Ropes

- Locks And Pulleys
- Rungs
- Connections And Fasteners
- Rails

Finding that your ladder is unsafe to use but not sure how to dispose of it?

Remember – if you dispose of a ladder improperly and it is picked up and used by someone else, you could be held liable if that individual is injured on the damaged ladder.

- DO cut the ladder in half by cutting directly down the center of the rungs from top to bottom.
- Do NOT cut the ladder in half across the rails. It is possible that someone may still see this as a usable ladder and attempt to work with it.

Do You Know What to Check For?

Reminders about your ladder

- Determine what type of ladder is appropriate for your current work environment
- Confirm that the ladder is the appropriate length for the task
- Check that your ladder has the proper Duty Rating
- Thoroughly inspect the ladder to ensure it is in good working condition
- Clean the climbing and gripping surfaces
- Read the safety information label(s) on the ladder

Reminders about your surroundings

- Confirm that the ground where the ladder is set-up is firm and level
- Confirm that any surrounding doors are blocked open, locked or properly guarded
- Ensure that the weather is sufficiently safe for using a ladder

Reminders for YOU

- Clean the soles of your shoes to maximize traction and avoid slipping
- Ensure that you are not tired, dizzy or prone to losing your balance before using the ladder
- Use towlines, a tool belt or an assistant to convey materials so that your hands are free when climbing
- Maintain three points of contact with the ladder while climbing •

NRCA HOSTS TRAINING AT CRSMCA FACILITY

A roofing company with a professional trainer is positioned to maximize performance, productivity and profitability. Send one of your key employees to an NRCA Qualified Trainer Conference, and he or she will learn the skills and techniques necessary to become an exceptional trainer.

NRCA's Qualified Trainer Conference is a state-of-the-art, three-day classroom and hands-on program that prepares your company's NRCA Qualified Trainer to:

- Conduct engaging training sessions that help installers learn about roof systems, installations and more.
- Coach installers to develop their installation skills and track their progress.
- Guide installers through NRCA's online

and hands-on training programs and activities.

- Implement NRCA's training and certification programs.

Space is limited, so register today!

April 10-12
Johns Manville Plant
Rockdale, Ill

April 29-May 1
Carolinas Roofing & Sheet Metal
Contractors Association
Charlotte, N.C.

For more information, visit nrca.net/training or contact NRCA's Customer Service Department at (866) ASK-NRCA (275-6722). •

GAF MATERIALS CORPORATION BRINGS TRAINING TO CRSMCA FACILITY



LOOKING FOR TRAINING SPACE IN THE CHARLOTTE AREA?

The CRSMCA headquarters features a conference room and a warehouse demonstration area...perfect for your next training event!

The conference room holds up to 40 people classroom style or set less for an employee or board meeting. The conference room hosts a screen for your projection needs and Wi-Fi.

The warehouse demonstration area is perfect for your set up of products and/or mock-up for the training event. The area is ventilated and can provide shelter in rain or cold weather.

Available for you is your CRSMCA support staff; available to accept shipments and assist with promotional exposure.

To reserve your space, contact the CRSMCA office at 704.556.1228 or cbsims@crsmca.org.

76TH ANNUAL MEETING/ SUMMER CONVENTION

JUNE 19-23, 2019

MARRIOTT RESORT & SPA AT GRANDE DUNES

8400 Costa Verde Drive | Myrtle Beach, SC

843.449.8880

THURSDAY, JUNE 20, 2019

8 am

Golf Outing

Location: Pine Lakes Country Club
Double Tee-Off Times 8:04-8:38 am

12-6 pm

Registration Desk Open

2-3:30 pm

CRSMCA Executive Committee Meeting

3:30-5 pm

CRSMCA Board of Directors & Associate Group Liaisons Meeting

5:30-7 pm

Welcoming Reception

FRIDAY, JUNE 21, 2019

7:30am-12 pm

Registration Desk Open

8-8:45 am

Associate Group Membership Meeting

8:45-9 am

Welcome Announcements Business Session

To provide conference details, recognize CRSMCA Board members and special sponsors.

9-10 am

NRCA Update

NRCA will update CRSMCA members on NRCA activities and trends within the roofing industry and nationwide.

10-11:30 am

Featured Speaker, Brian Parsley Leadership: Building A Winning Culture

6:30-7:30 pm

Networking Reception

SATURDAY, JUNE 22, 2019

8:30 am-1 pm

Registration Desk Open

9-10:30 am

Past President Roundtable Q & A Moderated by the 2018 DSA Recipient, Gwyn Abee.

CRSMCA Members will discuss current membership needs and important issues

10:45 am-12 pm

CRSMC-SIF Presentation

Sponsored by the CRSMC-Self Insurers Fund

1 pm

Beach Social

CRSMCA will host a Beach Social for all attendees to come and enjoy fun and networking. Bring your beach games for all to enjoy and participate in!

6:30-11 pm

Children's Night Out

Children will be provided dinner and

snacks; entertained with crafts and movies and games.

6:30-7:30 pm

Banquet Reception

7:30-9 pm

Banquet Dinner & Awards Ceremony

Attendees will dine with the CRSMCA Executive Committee, recognize the leaders of CRSMCA, welcome new Board members, honor the 2019 graduating class of the CRSMCA Master Installers Certification Program, and announce the Gordon M. Waters Distinguished Service Award recipient.

9-11 pm

After Party with The Liberty Street Band

Dance the night away with your fellow CRSMCA friends and family members!



HOTEL RESERVATIONS ARE OPEN UNTIL MAY 29, 2019

Online Reservations:

[http://crsmca.org/meetinginfo.](http://crsmca.org/meetinginfo.php?id=30&ts=1517237425)

[php?id=30&ts=1517237425](http://crsmca.org/meetinginfo.php?id=30&ts=1517237425)

Phone Reservations: 800.228.9290

Group Code: RCMRCMR

76TH ANNUAL MEETING/SUMMER CONVENTION REGISTRATION FORM

COUPLE REGISTRATION FEES:

Regular Couple Registration	\$545
Past President Couple Registration	\$445
RETIRED! Past President Couple Registration	\$225
Children's Night Out (<i>per child, AGES 3 – 12</i>)	\$ 25

PLEASE INDICATE YOUR EVENT(S) PARTICIPATION:

NEW DATE! Thursday, June 20, 2019 **\$125 per player**
Golf Tournament at Pine Lakes Country Club
 Tee-Off times begin at 8:30am

_____	_____
Name	Handicap
_____	_____
Name	Handicap
_____	_____
Name	Handicap
_____	_____
Name	Handicap

Saturday, June 22, 2019 **Beach Social** **FREE!**

_____	_____
Name	Age
_____	_____
Name	Age
_____	_____
Name	Age
_____	_____
Name	Age

Saturday, June 22, 2019 **Children's Night Out (3 – 12 years)**
 Time: 6:30pm – 11:00pm **\$25.00 per child (dinner included)**

_____	_____	_____
Name	Age	Shirt Size
_____	_____	_____
Name	Age	Shirt Size
_____	_____	_____
Name	Age	Shirt Size
_____	_____	_____
Name	Age	Shirt Size

CANCELLATION POLICY: All requests for refunds *must* be made in writing prior to May 15, 2019 for a 50% refund. **NO REFUNDS will be accepted after May 15, 2019**

ALL REFUNDS WILL BE ISSUED AFTER THE EVENT

RETURN FORM TO: CRSMCA PO BOX 7643, CHARLOTTE, NC 28241
staff@crsmca.org

COMPANY NAME _____

ADDRESS _____ CITY _____ STATE _____

PHONE _____ EMAIL _____

List first and last names, as they should appear on the name badge.
Please check the box if you are a first-time attendee.
(First time attendees receive a \$25 DISCOUNT!)

COUPLE 1

 Name _____ City/State _____
 SATURDAY BANQUET DINNER CHOICE:
 Bacon Wrapped Filet Lemon Rosemary Chicken

Guest _____ City/State _____
 SATURDAY BANQUET DINNER CHOICE:
 Bacon Wrapped Filet Lemon Rosemary Chicken

REQUESTED ADULT SHIRT SIZES L XL 2XL

COUPLE 2

 Name _____ City/State _____
 SATURDAY BANQUET DINNER CHOICE:
 Bacon Wrapped Filet Lemon Rosemary Chicken

Guest _____ City/State _____
 SATURDAY BANQUET DINNER CHOICE:
 Bacon Wrapped Filet Lemon Rosemary Chicken

REQUESTED ADULT SHIRT SIZES L XL 2XL

***CRSMCA will make all efforts possible to provide a comfortable and healthy atmosphere.**

Payment Information:

Total Registration Fee: \$ _____

Total Children Fee: \$ _____

Total Golf Fee: \$ _____

GRAND TOTAL \$ _____

Method of Payment*:

Check Enclosed No. _____ VISA | MC | AMEX

***PAYMENT MUST ACCOMPANY REGISTRATION TO BE PROCESSED!**

Account Number** _____ Exp. Date _____ CVV Code _____

Name (as it appears on card) _____ Signature _____

**** Please be sure to include your credit card information. Due to PCI Compliance, CRSMCA is no longer able to retain your credit card authorization. Thank you for your understanding.**

76TH ANNUAL MEETING/SUMMER CONVENTION SPONSORSHIP FORM

CRSMCA would like to thank you for your consideration in purchasing a sponsorship. All sponsorship purchases are applied to the advancement of education to the CRSMCA membership.

ALL SPONSORSHIPS WILL RECEIVE THE FOLLOWING RECOGNITION, AS WELL AS ADDITIONAL BENEFITS

WHERE NOTED:

Listing in the CRSMCA *Carolinas Contacts* Magazine, Listing in the Annual Program, Listing in the Annual Banquet Program, Listing on the CRSMCA website, Listing in the 2019-2020 CRSMCA Membership Directory, and verbal recognition at the Annual Meeting/Summer Convention

PROFESSIONAL SPONSOR **\$5,000**
Included with your sponsorship is a company banner, TWO complimentary couple and TWO golf registrations

DIAMOND SPONSOR **\$3,000**
Included with your sponsorship is ONE complimentary couple and ONE golf registrations

- Bags T-Shirts

PLATINUM SPONSOR **\$2,000**
Included with your sponsorship is ONE complimentary couple registration

- Thursday Reception Friday Reception Beach Social Chairs Saturday Banquet

GOLD SPONSOR **\$1,500**
Included with your sponsorship is ONE complimentary golf registration

- Audio/Visual Support Saturday Reception Children's Activities

BRONZE SPONSOR **\$500**
 Badges

PAST PRESIDENT SPONSOR **\$200**

GOODWILL SPONSOR **\$200**

METHOD OF PAYMENT:

- Check Enclosed
 AMEX|MasterCard|Visa

Amount authorized: \$ _____

Please send the form with payment information to the following address or email listed:

Company Name Contact Name

CRSMCA
P O Box 7643
Charlotte, NC 28241-7643

Account No.** Exp Date CVV Code

staff@crsmca.org

Name (as it appears on card) Signature

****Please return by May 15, 2019 to be listed in the 76th Annual Meeting & Summer Convention Program****

****Due to PCI Compliance, CRSMCA is no longer able to retain your credit card authorization. Please be sure to include your credit card information. PLEASE SUBMIT YOUR COMPANY LOGO VIA EMAIL TO CBSIMS@CRSMCA.ORG TO BE PRESENTED DURING THE GENERAL SESSIONS**

76TH ANNUAL MEETING/SUMMER CONVENTION NOMINATION FORM

2019 GORDON M. WATER DISTINGUISHED SERVICE AWARD

The 2019 DSA Committee Chairman, is requesting nominations for the 2019 Gordon M. Waters Distinguished Service Award recipient.

The following are guidelines the committee uses to make their decision:

- Has served on the board and was an active participant
- Has the respect of the majority of our membership
- Should be a Mentor/a developer of next generation of leaders for the association
- Good business model
- Community leader
- Proven service to the industry
- Shows true passion for the association
- Good moral character
- Proven service and leadership to the association
- Responds positively when asked to serve
- Should be a long-standing member

MY NOMINATION IS:

Name Company

Please give a brief description as to why you feel this person deserves this award; we need this information to consider your nomination.

Please send your nomination to the association office by **MAY 30, 2019** either USPS or email as provided below. CRSMCA will forward nominations to the Chairman. The committee will then decide on the recipient by a unanimous vote.

CRSMCA
 PO Box 7643
 Charlotte, NC 28241-7643

cbsims@crsmca.org

THANK YOU FOR YOUR PARTICIPATION AND SUPPORT FOR CRSMCA!

NC LIEN LAW

A TOOL FOR CONTRACTORS TO SECURE PAYMENT



Written by Ashley L. Felton, Felton Banks PLLC

For many of my contractor and subcontractor clients, the thought of not receiving payment for satisfactory work performed on a construction project is frightening. These businesses have bills to pay, payroll to run, and might even need to purchase additional materials for the job they are not getting paid on. Fortunately, N.C.G.S 44A, provides a bit of relief. In case you want to take a peak yourself, a link to the North Carolina's lien statutes (<https://www.ncleg.gov/Laws/GeneralStatuteSections/Chapter44A>).

TIMING IS EVERYTHING...

When it comes to utilizing liens to ensure a contractor receives payment, timing is everything. If a contractor waits too long after leaving a project, they can lose their lien rights. A claim of lien on real property (more on this in a bit) must be filed and served on the owner and any higher tier contractors/subcontractors, within 120 days from the date of last furnishing. Then, pursuant to N.C.G.S. 44A-13, any action to enforce a claim of lien on real property must be commenced no later than 180 days after the date of last furnishing.

WHAT IS A CLAIM OF LIEN ON REAL PROPERTY?

A claim of lien on real property is a security interest that secures payment for labor, materials, or services performed, against the property that was improved by those same labor, materials, or services. If the legal process was carried all the way through, eventually the court could order the improved property be sold in order to satisfy the lien claims.

WHO IS ENTITLED TO FILE A LIEN?

N.C.G.S 44A-8 states that "Any person who performs or furnishes labor or professional design or surveying services or furnishes materials or furnishes rental equipment pursuant to a contract" has the right to file a lien for labor performed. Thus, it is possible to claim a lien without setting foot on the project site, which is good news for architects, engineers, and off-site equipment rentals.

YOU SAID SOMETHING ABOUT 120 AND 180 DAYS FROM LAST FURNISHING. WHAT DOES THAT MEAN?

This is the last time the contractor provided labor, materials, or services on the job site. If no lawsuit is filed within 180 days of the date of last furnishing, any lien that was previously filed is discharged. Based on the Court's decision in *Blalock Elec. Co. v. Grassy Creek Dev. Corp.*, Punch-list work generally qualifies as furnishing, but warranty work or minor punch-list work performed long after the owner has occupied the building does not.

DO I NEED A CONTRACT WITH THE OWNER?

Not necessarily...Typically subcontractor's lien rights arise through subrogation. Meaning that a subcontractor's lien rights are as good as the lien rights of the party they contracted with. North Carolina Law allows a First, Second, or Third tier subcontract to claim a lien on real property.

In my upcoming post I'll discuss claims of lien upon funds, and all discuss what a lien agent is, and what effect it has on lien claims. •

GAME OF DRONES:

THE RISE OF DRONE INSPECTIONS & HOW THEY BENEFIT YOU



*By Dennis Sbrusch Jr., Marketing Consultant, Sure Thing Media
Reprinted with permission from Florida Roofing Magazine*

Brace yourselves... with a projected market share of \$11.2 billion by 2020, the construction industry is listed by Goldman Sachs as having the greatest market potential for drone integration. So, what exactly is the “drone” fuss all about? Technology is not only changing the way consumers live, but it’s also transforming the daily operations of businesses across the globe. For instance,

PricewaterhouseCoopers estimates that drone-powered solutions could help save the insurance industry as much as \$6.8 billion per year by enhancing procedures such as risk monitoring and fraud prevention.

By now you might be asking, “How exactly can investing in drones benefit my roofing company?” As a business owner, wiping out unnecessary costs and improving your workflow are great returns on investment (ROI). Now I’m no mathematician, but I do believe we all know how to count money! Let’s dig in to finding out why taking your roofing business to the skies may be your greatest investment of 2019.

SAFER INSPECTIONS

Traditional “boots on the roof” inspections are quite risky. Deteriorated roofs and heights pose a possibility of endangering yourself or your employees. In fact, falls on the job are OSHA’s leading cause of death in the roofing industry. The use of drones eliminates putting

the lives of workers at risk.

FINISH THE JOB FASTER AND MORE EFFICIENTLY

No more lugging ladders to the job site and spending valuable time assessing damaged areas. Where human capability falls short, machines pick up the slack. Drones drastically reduce the time it takes to complete a roof inspection, allowing roofers to focus on other important aspects of their job, such as business development. Drone companies, like Pantan Inc., measure entire roofs as well as pinpoint all areas and types of damage within 10 to 15 minutes. For homeowners making insurance claims, drone roof inspections can substantially speed up the entire process!

RICH DATA AND STRONG ROI

Through high-quality image, video, and even thermal cameras, drones can access nearly any part of a structure, collecting detailed information. The data includes accurate measurements of square foot- age, surface area, pitch, and roofing features – all complet- ed in a matter of minutes. This information is crucial when formulating a precise bid in the roof repair process. For roofing contractors, drone mapping delivers more than just useful data. By capturing the entire roof and areas of damage in high-resolution detail, you're gaining readily shareable images for your customers as well as powerful multi-channel marketing tools to grow your roofing business.



BE THE “WOW” ROOFER

If you're looking for an outstanding way to impress customers, roof inspections done by drone are a heck of a way to do it. Technology is improving every single day. Seriously, just Google technology improvements and see for yourself! By harnessing technological advancements in the drone business and turning complex data into easily digestible information, you're well on your way to obtaining that “wow” response from your customers.

survey more sites in a day increases, which potentially leads to more revenue.

Drones are helping companies of all sizes achieve results that would otherwise be impractical or impossible. Given their undeniable benefits, make 2019 the year that your company takes flight! •

ROOF INSPECTION SAVINGS

Consider how much money you could save in vehicle and fuel expenses if you no longer needed to roll a large truck with ladders to every inspec- tion. Your roofing company's ability to

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DIVE BRIEF:

A 2018 Occupational Safety and Health Administration memorandum obtained by Bloomberg through the Freedom of Information Act, which authorizes its investigators to use camera-equipped drones to assist in the gathering of evidence during inspections in certain workplace environments, has raised several legal issues for contractors, according to an article by Fisher Phillips attorneys Todd Logsdon and Chantell Foley that was published in Lexology.

A primary concern is privacy and how drone use could affect the right of employers to protest an inspection that goes beyond the original scope and to object to the taking of photos and video recordings. Another potential issue has arisen for those contractors working on multi-employer construction sites. OSHA requires that agency inspectors obtain employer permission before using a drone, but there is ambiguity around how one employer's authorization could affect the rights of other companies on the jobsite, an issue complicated further by questions involving ownership of the airspace above the project.

Logsdon and Foley suggest contractors take a three-pronged approach to OSHA drone inspections: develop a strategy on how to handle an inspection and designate someone to accompany the OSHA drone crew; participate in drone flight planning with the OSHA team and don't be afraid to limit the inspection; and educate employees on the company's rights. At the end of November, according to Bloomberg Environment, OSHA has used drones during nine inspections.

DIVE INSIGHT:

"We don't have a position yet since this is relatively new and small scale," Brian Turmail, vice president of public affairs and strategic initiatives for the Associated General Contractors of America, told Construction Dive. "Our understanding is OSHA currently has two drones in operation. That being said, we are keeping a close eye on this and want to make sure that the technology is implemented in a way that ensures full accuracy."

Drones are not just the territory of large construction companies any longer. The development of better defined Federal Aviation Administration drone pilot and use requirements, increased affordabil-

ity and more integrative capabilities have put these tools on the radar of smaller contractors as well. However, the FAA could be preventing further expansion of their use by falling behind on the issuance of airborne identification, or "electronic license plate," rules.

This delay will likely affect other anticipated rule changes involving issues like overhead flights and operations out of the pilot's line of sight. It could be 2022 until the FAA comes out with its airborne identification regulations.

Nevertheless, drones are included in the list of advanced technology that 74% of construction companies said they will adopt in the next three years, according to USG Corp. and the U.S. Chamber of Commerce's fourth-quarter Commercial Construction Index survey. Around 34% of respondents to that survey said they are already conducting drone flights over their job sites.

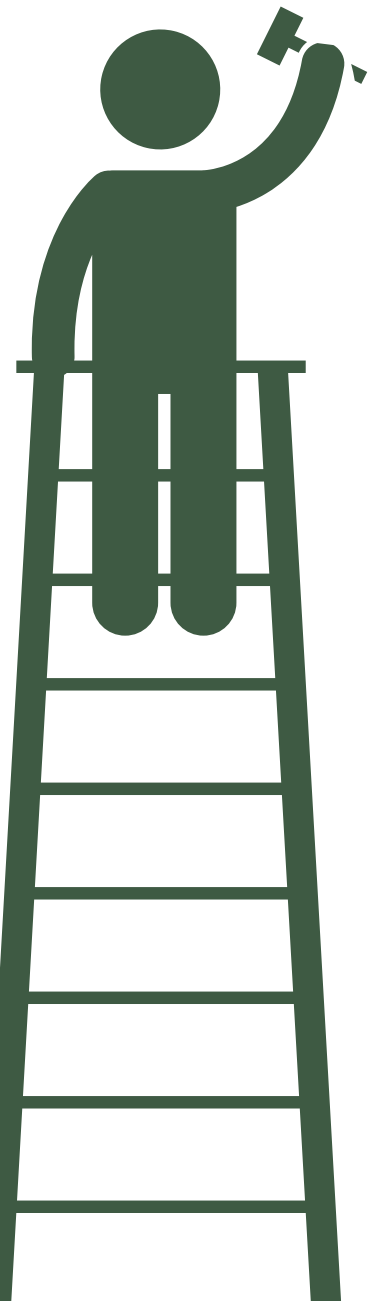
Construction industry groups, always tasked with protecting the interests of their members, haven't had time yet to develop strategies on advising contractors on how to deal with the possibility that an OSHA inspector will show up with a drone. •



OSHA DRONE INSPECTIONS COME TO JOB SITES, RAISE LEGAL QUESTIONS



SAFETY WHEN THE LADDER IS COMPLETELY MOVED



Ladder safety is a frequent topic of these Safety Talks, and for good reason – although ladders are essential tools for our trade, they can be dangerous. Unfortunately, that reality hit close to home for one of our Fund member companies last month. One of their employees was working at a customer’s facility performing a task that required him to climb a ladder, perform a brief task near the eave of the roof and then climb back down the ladder, reposition it and repeat the same steps over and over again. However, on one occasion, as the he was climbing down the ladder it kicked-out (meaning that the base of the ladder slid away from the building) causing the employee to fall to the ground.

In this incident, the employee was not using the ladder to gain access to the roof, but instead was using it to perform work at the roof’s eave and was repeatedly moving the ladder along the length of the building. For those reasons, the ladder could not be secured at the top.

This incident forces us to confront the reality that sometimes when a ladder is not being as a roof access point, securing it at the top is just not feasible. In those circumstances, there are several options to prevent the ladder from kicking out. One option is to always have another employee present to hold the ladder and prevent it from kicking out.

Another option is to brace or tie-off the ladder near the base instead of at the top. A third option is to use a manlift as opposed to a ladder.

Regardless of the circumstances, there are some basic ladder safety rules that apply in all situations and are outlined below.

Select a Safe Location – Position your ladder in the safest location possible. Avoid hazards such as entry and exit doors, vehicular and pedestrian traffic, and uneven flooring or landing points. Don’t use a ladder in windy conditions. And always make sure you’re at least 10 feet from overhead power lines

Keep the Area Clear of Hazards – Clear away debris, clutter, and obstructions from the areas around the bottom and the top. If there is a potential for vehicle or pedestrian traffic, barricade or rope off the area around the bottom of a ladder to protect it from traffic

Ensure a Firm, Level Footing – A ladder needs a solid, level base, so use the “Heel Test” to see if the ground is hard enough. Stomp your heel on the ground. If it goes in more than one inch, the ground is too soft for a ladder.

Set the Ladder at a 75° Angle – To set a ladder at the proper angle, the base should be 1 foot from the wall for every 4 feet in height. An easy way to estimate this angle is to put your toes at the ladder base and extend your arm. Your hand should just reach the ladder rungs. If the rungs are too close to you, the ladder angle is too steep. If the rungs are too far from you, the ladder angle is too broad.

Extend Ladder 3 Feet – Make sure to extend the side rails at least 3 feet above

the upper level. This allows you to move safely from the ladder to the landing.

Secure the Ladder – Whenever possible, secure the ladder at the top secure the ladder at the top so that it cannot move away from the wall or move sideways. If securing a ladder at the top is not feasible, brace or tie off the ladder near the base. If there is no structure to tie off to, then you can tie it off to a stake in the ground behind the ladder.

DISCUSS WITH YOUR CREW
What other options can you think of to improve ladder safety in circumstances when it cannot be tied-off at the top?



SEGURIDAD CUANDO LA ESCALERA SE MUEVE COMPLETAMENTE

La seguridad de las escaleras

es un tema frecuente de estas conversaciones de seguridad, y por una buena razón, aunque las escaleras son herramientas esenciales para nuestro comercio, pueden ser peligrosas. Desafortunadamente, la realidad llegó cerca de casa para una de nuestras compañías miembro del Fondo el mes pasado. Uno de sus empleados estaba trabajando en las instalaciones de un cliente realizando una tarea que le exigía subir una escalera, realizar una tarea breve cerca del alero del techo y luego volver a bajar la escalera, volver a colocarla y repetir los mismos pasos una y otra vez. Sin embargo, en una ocasión, cuando estaba bajando la escalera, la pateaba (lo que significa que la base de la escalera se deslizó fuera del edificio) haciendo que el empleado cayera al suelo.

En este incidente, el empleado no estaba usando la escalera para acceder al techo, sino que lo estaba utilizando para realizar el trabajo en el alero del techo y movía la escalera repetidamente a lo largo del edificio. Por esas razones, la escalera no podía ser asegurada en la parte superior.

Este incidente nos obliga a enfrentar la realidad de que, a veces, cuando una escalera no está siendo un punto de acceso al techo, no es posible asegurarla en la parte superior. En esas circunstancias, hay varias opciones para evitar que la escalera se saque. Una opción es tener siempre a otro empleado presente para

sostener la escalera y evitar que se eche.

Otra opción es sujetar o atar la escalera cerca de la base en lugar de en la parte superior. Una tercera opción es usar un elevador en lugar de una escalera.

Independientemente de las circunstancias, existen algunas reglas básicas de seguridad en la escalera que se aplican en todas las situaciones y se describen a continuación.

Seleccione una ubicación segura: coloque su escalera en la ubicación más segura posible. Evite peligros tales como puertas de entrada y salida, tráfico vehicular y peatonal y pisos o puntos de aterrizaje irregulares. No use una escalera en condiciones de viento. Y siempre asegúrese de estar al menos a 10 pies de distancia de las líneas eléctricas aéreas

Mantenga el área libre de peligros: elimine los residuos, el desorden y las obstrucciones de las áreas alrededor de la parte inferior y superior. Si existe un potencial para el tráfico de vehículos o peatones, barricada o una cuerda fuera del área alrededor de la parte inferior de una escalera para protegerla del tráfico.

Asegure una base firme y nivelada: una escalera necesita una base sólida y nivelada, así que use la "Prueba del talón" para ver si el suelo es lo suficientemente duro. Aplasta tu talón en el suelo. Si mide más de una pulgada, el terreno es demasiado blando para una escalera.

Coloque la escalera en un ángulo de 75o. Para colocar una escalera en el ángulo correcto, la base debe estar a 1 pie de la pared por cada 4 pies de altura. Una forma fácil de estimar este ángulo es colocar los dedos de los pies en la base de la escalera y extender el brazo. Tu mano solo debe llegar a los peldaños de la escalera. Si los peldaños están demasiado cerca de usted, el ángulo de la escalera es demasiado pronunciado. Si los peldaños están demasiado lejos de usted, el ángulo de la escalera es demasiado amplio.

Extienda la escalera 3 pies: asegúrese de extender los rieles laterales al menos 3 pies por encima del nivel superior. Esto le permite moverse con seguridad desde la escalera hasta el rellano.

Asegure la escalera: siempre que sea posible, asegure la escalera en la parte superior asegure la escalera en la parte superior para que no pueda alejarse de la pared o moverse hacia los lados. Si no es posible asegurar una escalera en la parte superior, sujete o ate la escalera cerca de la base. Si no hay una estructura para atar, entonces puede atarla a una estaca en el suelo detrás de la escalera.

DISCUTA CON SU EQUIPO

¿Qué otras opciones puede pensar para mejorar la seguridad de la escalera en circunstancias en las que no se puede amarrar en la parte superior?