

SPRING 2019

OFF THE WALL WC&C

An Industry Publication by the Wall Ceiling & Carpentry Industries of New York, Inc.

USGBC Opens *Registration for* LEED v4.1

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Photos 11–13



WC&C Annual Convention
Photos 16–19

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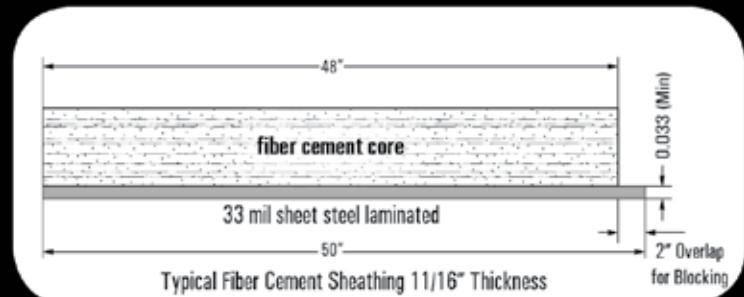


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On The Cover



Evening Photo at
Rosewood Bahia
Mar in Nassau
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where WC&C
held its Annual
Convention in
April.
Photos are inside
on pages 16–19

WC&C OFF THE WALL

Off The Wall is published through the Promotional Fund by the Association of Wall-Ceiling & Carpentry Industries of New York for the benefit of the membership. It is distributed to members, associate members, union affiliates, and legislators. Editorial contributions, including pictures and story ideas, are welcome and should be forwarded to the WC&C office, 30 Jericho Executive Plaza, Suite 70C, Jericho, NY 11753-1022

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*From the
Executive Director
John DeLollis*

Thoughts About Safety

Without doubt, safety is the most important consideration on every construction job, and not without reason. Construction is a dangerous business and falls are among the most prominent accidents. Fatalities caused by falls from elevation continue to be a leading cause of death for construction employees all across the country. Here in New York City a worker falling is the most common construction-related accident.

Each year OSHA sponsors The National Safety Stand-Down to raise fall hazard awareness in an effort to stop or at least, slow, fall fatalities and injuries. The 2019 Stand-Down, which was scheduled from May 6–10, occurred just before this issue of Off The Wall reached you. I hope all our members participated in this OSHA-sponsored event and focused the attention of your workers on safety.

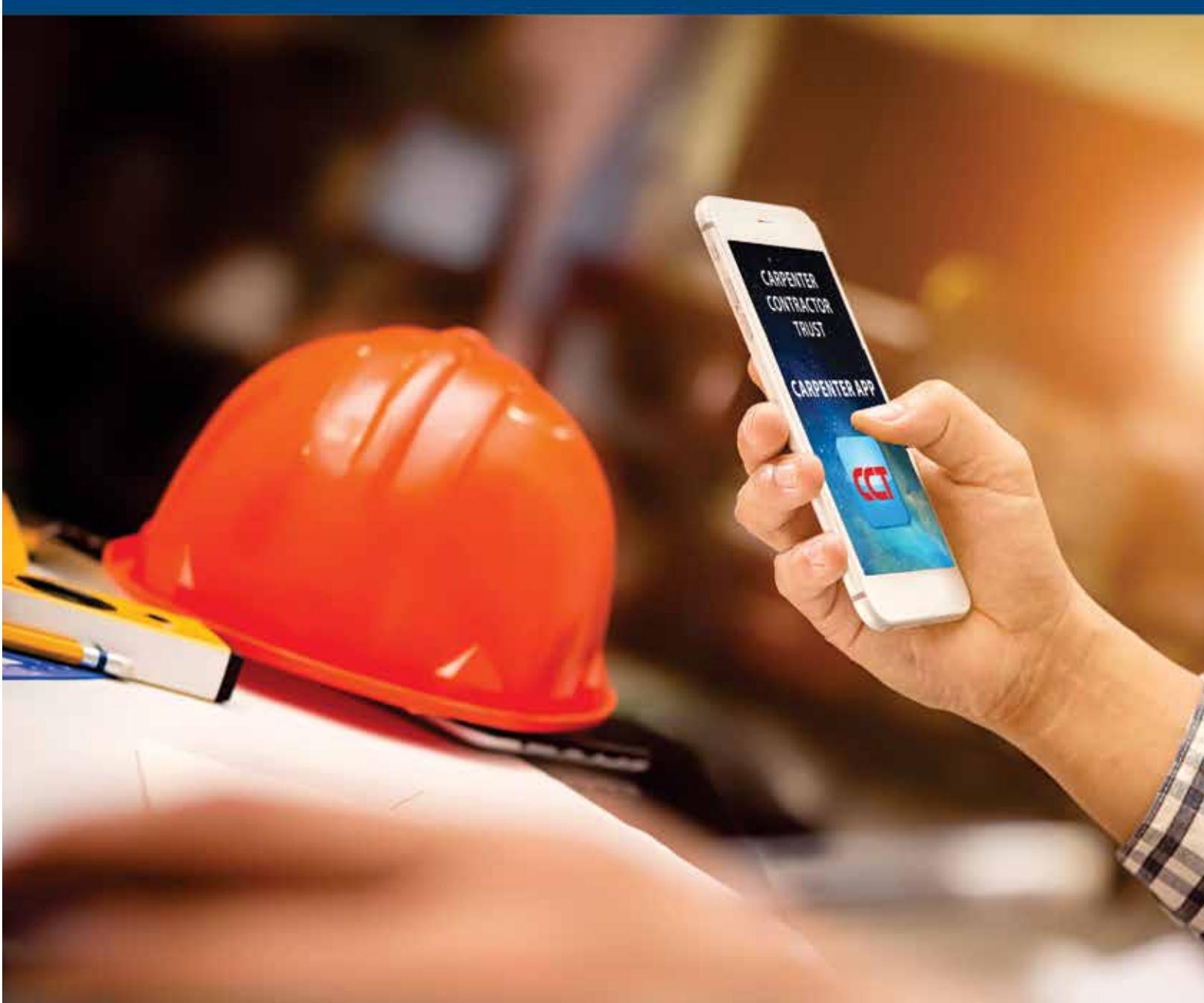
Another danger that is small but expected to grow in the months and years to come is drones used on construction sites. Fun to think about and prone to expansive ideas, they are a popular matter for discussion. You may already have talked about drone use at our convention and other occasions where you interact with your peers. Drones offer tremendous potential on construction sites, especially for workplace safety. Among their many uses they can save lives and save time and money at the same time by eliminating the need for in-person inspections in high or otherwise dangerous places.

But drones themselves can be accident-prone. A recent contributor to Construction Dive explained why contractors should nix ‘casual use’ of jobsite drones. As contractors, subs and other stakeholders embrace on-site use of unmanned aerial systems (UAS), he advises they pay close attention to the safety and liability risks that can be associated with this technology. Efficient as they are, a small drone can do great damage if not used properly. Think caution when you think drones.

A reminder—scholarship applications are still being accepted through July 31st for the 2019–2020 academic year.

I hope to see all of you at our 40th annual Golf Outing on Monday, June 17th at the North Hempstead Country Club. — John

MARKETING FOR UNION CARPENTERS & CONTRACTORS

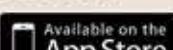
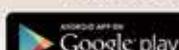


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From the President Michael Weber

Evolution of a Carpentry Contractor in New York

The history of carpentry dates back to 4,000 B.C. where the first signs of carpentry appeared in the Stone Age. Over time, carpentry has evolved into an essential skilled trade that has been used to create everything from art to architecture. From simple woodcutting to modern-day construction, carpenters have played a major role in building the world's most prominent infrastructure. Even as technology continues to change, carpentry will continue to be one of the most vital of the skilled trades. With that being said, the progression of the carpentry contract has evolved to a whole other level. Have you completed your law degree?

Your carpentry contract should include all of the important information about the project, so both the contractor and the building owner know exactly what responsibility you have contracted for. It includes basic information pertaining to your scope of work. Examples such as project specific exhibits, insurance requirements, payment terms, etc. In addition to the above basics, the complexity of construction contracts today soon may require a law degree. I guess we're not in Kansas anymore.

Disseminating the contract and identifying the required qualifications is mind boggling.

Examples such as:

- Pre-qualification questionnaires
- Pre-construction notification
- Competent and qualified person documentation
- Contractor site specific orientation
- Verification of toolbox talks
- Safe work permit
- Contractor audit reporting
- Notification of violation reporting
- Weekly inspection checklists
- Construction permits
- Contractor performance evaluation reporting
- Pre-construction risk assessment

As we slug it out for a piece of the market share and to be the successful contractor after the grueling bidding and negotiating process, the result is very rewarding. However, dealing with the minutiae of the contract can be discouraging. Proceed with caution.

On another note, the WC&C scholarship program is accepting applications. To be considered please head to <https://aim.applyists.net/wc&c> to apply. Ten \$3,000 scholarships will be awarded. The application deadline is July 31st. Good luck to all of our applicants and have a great summer! — *Michael Weber*



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It's The Law

By Mark A. Rosen

Mark A. Rosen is legal counsel to the Association of Wall-Ceiling & Carpentry Industries of New York, Inc. He is a partner in the firm of McElroy, Deutsch, Mulvaney & Carpenter, LLP. Mark practices in the areas of construction and contract law, public contract law, arbitration, surety, and general commercial litigation. He can be reached at mrosen@mdmc-law.com.

NEW YORK CITY COUNCIL PASSES BILL TO BAN PRE- EMPLOYMENT MARIJUANA DRUG TESTING

On April 9, 2019, a proposed bill that would prohibit employers from pre-employment drug testing for marijuana and THC (the active ingredient in marijuana) was passed by the New York City Council. Pursuant to the proposed law, employers, labor organizations and employment agencies and all of their agents are prohibited from requiring a prospective employee to submit to a marijuana or THC drug test as a condition of employment. Such pre-employment testing is an “unlawful discriminatory practice.”

The proposed bill has several very important exclusions. It excludes all workers on construction sites, not just those operating heavy machinery. In fact, it excludes from coverage any positions requiring compliance with New York City’s Construction Safety Training Law or the laws concerning the New York Occupational Safety and Health Administration construction safety and health course.

The proposed bill also does not apply

to testing that is required pursuant to a collective bargaining agreement. The bill does not address whether an employer may bargain to include such a drug testing requirement in a collective bargaining agreement.

The bill still requires approval from the Mayor and would take effect a year after final enactment.

• • •

FAMILY-OWNED COMPANY FOUND TO BE ALTER EGO AND OWES UNION PENSION FUND \$3.2 MILLION FOR WITHDRAWAL LIABILITY

A Michigan family-owned construction site contracting company was found to be the alter ego of a company that was assessed withdrawal liability and was found to be liable for the unpaid balance of that withdrawal liability.

Bourdow Trucking, Inc. (“Trucking”) was incorporated in 1967 and from its inception was in the business of selling and transporting dirt, stone and sand. It also engaged in construction site preparation and excavation. The company was owned by a husband

and wife and their three children. The company had a collective bargaining agreement with an operating engineers local.

By 2012, due to financial difficulties, the company had terminated its collective bargaining agreements and ceased making benefit contributions to the union. The union deemed that a withdrawal had taken place and assessed withdrawal liability against the company. In November, 2012, after the company missed its first withdrawal liability payment, the union filed a lawsuit against it. The company then filed for Chapter 7 bankruptcy.

In November, 2012, the day after Trucking missed its first withdrawal liability payment, a new company, Bordow Contracting, Inc. (“Contracting”), was formed. That company was owned by the three sons. That company performed construction site preparation and excavation. The lower court granted summary judgment to the union finding that Contracting was the alter ego of Trucking and was liable for Trucking’s outstanding withdrawal liability obligation.

On appeal, the judgment was affirmed. The appeal court applied the NLRA alter ego test. Under that test, the factors for the court to consider are whether the two companies have substantially identical management, business purpose, operation, equipment, customers, supervision and ownership. An employer’s intent to evade its labor obligations is also a factor to be considered. The court analyzed these factors as follows:

Management – this factor looks to the nature of the management structure in the two companies, including overlap in those who played a managerial role. The court found that at Trucking the parents were the chief decision makers

while at Contracting, it was the sons and held that the two companies had minimal overlap in those who played a managerial role.

Business Purpose – this factor looks to the overlap in the type of work performed. The court found that there was a significant overlap in the work the two companies performed. Fifty percent of Trucking's business consisted of construction site preparation and excavation, while 90 percent of Contracting's business consisted of such work.

Operations – this factor looks to the continuity of workforce, that is whether the new company attracted employees of its own or employed a number of former employees of the older company, as well as to the continuity of work space. The court found that at least five of Contracting's eight employees were former employees of Trucking and

that Contracting employed Trucking's former accountant and attorney. Based on this, the court found that there was a significant continuity of workforce.

Equipment – this factor looks to whether the new company acquired any of the older company's equipment and, if so, whether the acquisition was an arm's length transaction. In this case, Contracting did not acquire any of Trucking's equipment, which was all sold as a result of its bankruptcy. Thus, this factor weighed in favor of not finding an alter ego relationship.

Customers – this factor looks to overlap in customer base and customers. The court found that Contracting operated within the same geographic area as Trucking. It also found that of 22 of Contracting's customers, 15 were former customers of Trucking. The court found this represented a significant overlap and weighed in favor

of a finding of alter ego.

Supervision – this factor looks to the overlap in those who hold supervisory roles. The court found that the children, the owners of Contracting, were supervisors at Trucking and, thus, there was a significant overlap in supervisory roles. This factor weighed in favor of a finding of alter ego.

Ownership – this factor looks to overlap in those with an ownership interest. The court found that individuals that owned approximately 20 percent of Trucking owned two-thirds of Contracting. This represented a significant overlap in those with an ownership interest and this factor favored a finding of alter ego.

On balance, the court found that the factors weighed in favor of a finding of alter ego and found that Contracting was liable for Trucking's obligations for the withdrawal liability. •

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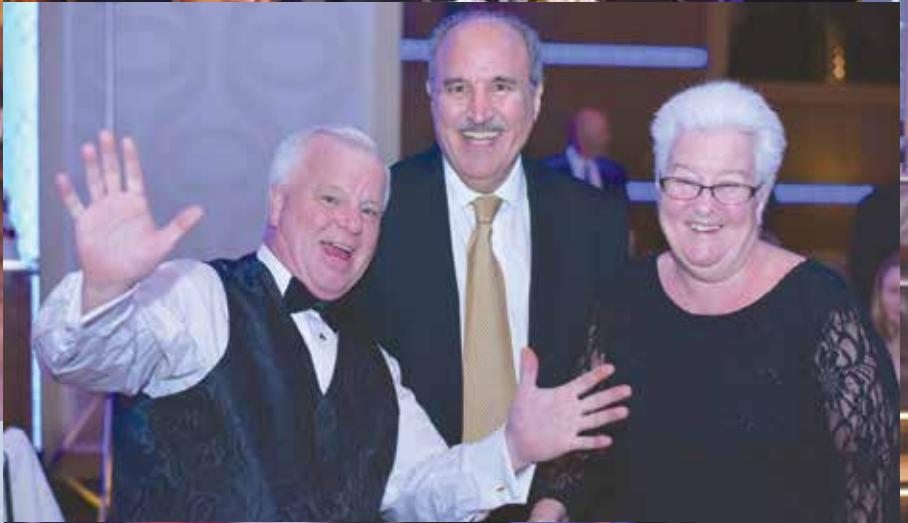
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*WC&C Dinner Dance
March 30, 2019*







NYC's Newest Cultural Institution Is Finally Open After More Than A Decade In The Making. The Shed At Hudson Yards Features A 120 Foot Movable Shell, Allowing It To Physically Change On Demand And Adapt To Different Performances.

On Manhattan's west side, where the High Line meets Hudson Yards. It is housed in The Bloomberg Building—designed by Diller Scofidio + Renfro, Lead Architect, and Rockwell Group, Collaborating Architect—

An innovative, movable structure that adapts to support new work of all kinds. The Shed's primary program spaces include two floors of expansive galleries, the versatile 500-seat Griffin Theater, and The McCourt, a multiuse hall for large-scale performances, installations, and events for audiences ranging from 1,250 seated to more than 2,000 standing. A rehearsal space, lab for local artists, and event

space are located in The Tisch Skylights on the top floor.

When deployed, The Shed's telescoping outer shell creates a 17,000-square-foot (1,600 m²), light-, sound-, and temperature-controlled space, The McCourt, named in recognition of Shed Board Member Frank McCourt, Jr., and his family. The space can accommodate an audience of approximately 1,250 seated or more than 2,000 standing. Large operable doors on its north and east sides allow The McCourt to function as an open-air pavilion. When the shell is nested over the base building, the 20,000-square-foot (1860 m²) Plaza will be open public space that also can be used for outdoor exhibitions and events. •

The Shed



TrueLook, Autodesk BIM 360 Integration Offers Real-Time View of Construction Projects

TrueLook, the only company offering construction cameras combining live jobsite viewing, project time-lapsing, and HD security recording, today announced the second phase of its integration with Autodesk BIM 360, the industry's leading project delivery and construction management software.

Integration allows TrueLook construction camera users to conveniently livestream videos on the home dashboard of Autodesk's leading construction management platform

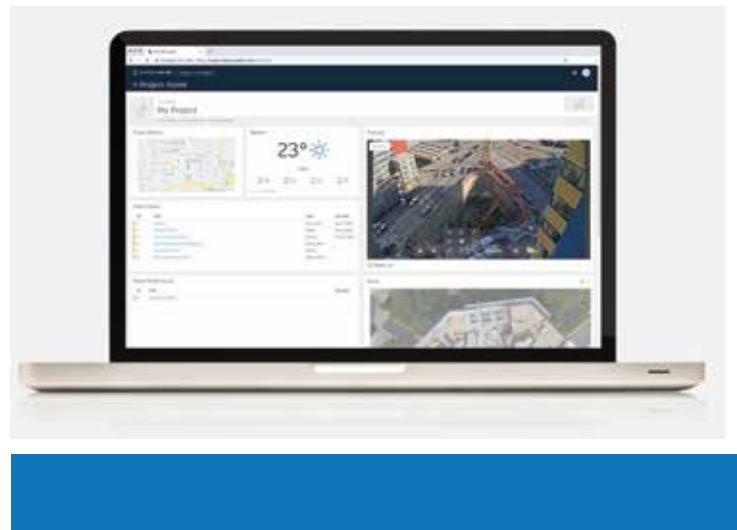
livestream videos on the home dashboard of the leading construction management platform.

"The convenience and ease of use will be an enormous benefit for Autodesk customers who use TrueLook," said Ken Pittman, chief marketing officer for TrueLook. "They'll be able to keep an eye on things with a quick

Available now, the integration allows customers to add a live TrueLook camera to their BIM 360 dashboard. Managers can view live and historical conditions of their projects from the convenience of their existing management software.

The latest TrueLook and Autodesk BIM 360 integration allows construction camera users to conveniently livestream videos on the home dashboard of the leading construction management platform.

The latest TrueLook and Autodesk BIM 360 integration allows construction camera users to conveniently



glance at their BIM 360 dashboard, which will be a real time-saver. They'll be able to focus on the project, not the software."

An earlier integration announced in August allows TrueLook data to sync to Autodesk's BIM 360 platform. Users can automatically send TrueLook's photos and time-lapses into albums in Autodesk BIM 360, serving as a lifetime backup for TrueLook's project monitoring. The integration also includes many quality-of-life benefits for sharing TrueLook photos and documentation with other Autodesk users.

"Construction projects are fast-moving, complex, and define organized chaos," said Josh Cheney, construction industry manager at Autodesk. "TrueLook's integration with the Autodesk construction platform keeps an eye on the blind spots from anywhere at any time. Our customers asked for this integration and we are pleased to bring it to life."

TrueLook provides construction jobsite camera technology, including live jobsite viewing, construction time-lapses, HD security recording and drone photography. Autodesk's BIM 360 improves construction project delivery by supporting informed decision-making throughout the project lifecycle.

The Autodesk integration is the latest in a series of integrations and hardware upgrades that enhance TrueLook's offerings for the construction industry. Earlier this year TrueLook unveiled a new 4K indoor camera with a built-in 4G LTE cellular modem and a movie-making tool for creating custom time-lapse videos. •

WC&C 2019 CONVENTION



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NYC Health + Hospitals/Coney Island Begins Construction of New, State-of-the-Art, Resilient, 11-Story Hospital Building and Campus Redesign

CONSTRUCTION HAS BEGUN on the new, state-of-the-art, flood resistant, 11-story tower building and emergency department at Health + Hospitals/Coney Island. The redevelopment is part of a major \$922 million hospital campus renovation to demolish, replace and repair flood damaged buildings from Superstorm Sandy. The new hospital building, built on the north side of the hospital's campus, is expected to open in early 2022; other parts of the campus renovation are expected to be completed spring 2023.

Critical patient services will be located above the 500-year Floodplain. A new 350,000 square foot critical services tower will house an elevated emergency room and vital medical and mechanical services, along with a new flood wall surrounding the campus. The new tower will incorporate services from the hospital's main building, which had to be evacuated and closed for several months after Superstorm Sandy flood waters reached knee-high levels in the ground level emergency room. •

FMI Releases First “FMI Quarterly” Issue for 2019

FMI Corporation announced the release of its first “FMI Quarterly” issue for 2019. The publication (co-sponsored by Zurich) highlights key insights on how firms can plan and prepare for an inevitable economic downturn. While FMI is not calling for a recession in 2019, we do expect construction spending growth to slow down in the coming months.

Chris Daum, CEO of FMI, states, “For many years we’ve noticed that contractors and clients across the industry ignore the need for internal improvements and operational execution during healthy and robust markets. Given everything that we see going on in the market today—and what’s sure to come—we think now is a great time to do so. Don’t wait until it’s too late to make those strategic moves that will help your organization weather the storm.”

Since “the bottom” of 2011, nonresidential construction put in place for U.S. markets has grown at 5% CAGR. During this broad expansionary cycle for U.S. engineering and construction (E&C) markets, operating profit margins of nonresidential construction firms analyzed by FMI grew at 17.3% CAGR (24.7% for general contractors, 5.9% for specialty trade contractors and 15.3% for heavy/civil contractors) between 2013 and 2017.

In aggregate, operating profit margins have nearly doubled over the last four years. Looking ahead to 2019, FMI forecasts a 3% increase in spending levels over 2018. In 2016 only 8% of contractors listed economic slowdown as a risk—today that statistic has jumped up to 58%. Managing design risk: 43% of contractors plan on increasing in-house design capabilities. This is 5% more than in 2018.

Nearly 50% of a board’s time is spent on financial results and matters of a historical nature, while just 25% is spent on organizational strategy. In reality, and to be most effective, boards should be spending at least 80% of their time on strategic topics.

To access the “FMI Quarterly,” please visit fminet.com •



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USGBC Opens Registration for LEED v4.1 for New Construction and Interior Spaces

The U.S. Green Building Council (USGBC) has announced that its newest version of the LEED green building program, LEED v4.1, is open for registration for both new construction projects as well as interior spaces with LEED v4.1 BD+C and LEED v4.1 ID+C.

"The hallmark of LEED is 'continuous improvement' – and that is exactly where we are going with LEED v4.1," said Mahesh Ramanujam, president & CEO, USGBC. "LEED v4.1 is set to raise the bar. It is the most comprehensive, collaborative, accessible and effective LEED system to date. From improving energy performance to emphasizing human health and integrative building design, LEED is encouraging project teams to operate beyond the status quo."

The goal of LEED v4.1 is to make the rating system more accessible to more projects based on lessons learned from LEED v4 project teams. This newest beta version updates performance thresholds and referenced standards to ensure LEED remains the global leadership standard for green buildings and continues to expand the marketplace for LEED. The changes also advocate for improved performance throughout the life of buildings, rewards leaders based on their performance and incorporates performance reporting to enable building owners to track progress towards environmental, social and governance goals. Currently, there are more than 96,200 commercial projects participating in LEED in 167 countries and territories.

"LEED v4.1 is aimed at addressing the challenges projects face as they pursue their sustainability goals," said Melissa Baker, senior vice president, USGBC. BD+C updates referenced standards to encourage leadership and responds to market feedback. ID+C updates mirror BD+C while also

focusing on the realities projects experience as they interact with their base building."

"As the global green building market has evolved, we must evolve with it," added Ramanujam. "The heart of the green building community's efforts must go well beyond construction and efficiency, and the materials that make up our buildings. We must dig deeper and focus on what matters most within those buildings: human beings. And this is what LEED v4.1 strives for. The standard we are most committed to raising is that of the quality of life itself—for every member of this community, and in populations spanning every corner of the planet."

Focused on implementation, LEED v4.1 is an accessible, user-friendly and agile tool. To participate, users can register using LEED Online, review the LEED v4.1 Beta Guide and download the LEED v4.1 rating system. The latest education videos and live online webinars featuring USGBC subject matter experts are also available. USGBC staff will be available to meet in person at any of the 2019 Greenbuild and regional events.

The impact of buildings, cities and communities on people continues to be a priority for USGBC and across industries. Through LEED v4.1 USGBC is expanding its green building efforts to ensure LEED is not only the de facto leadership standard, but also the pre-eminent living standard. To tell those stories USGBC launched the Living Standard campaign to capture how USGBC, LEED and other sustainability programs are raising the quality of life for people around the world. By visiting livingstandard.org, individuals and companies can join the campaign and submit their stories.

—Sarah Stanley/GBCI

Product News

BNT Products Tiger Tier Rebar Tying Tool

The BNT-40X is the next generation rebar tying tool. It is lightweight and has a compact, easy to hold, glove friendly grip. The tool is well balanced and is designed to tie rebars as fast as you can pull the trigger. It can tie up to two #6 (20 mm) rebars. This tool features a one-piece CNC rigid nose piece. The long life battery will give you over 5000 ties on a single charge. We include an extra battery that can be charging when the tool is in use. Our standard wire is zinc-plated to inhibit rust and corrosion. The 18V

Lithium-Ion power pack quick-charge battery drives the tool's brushless motors.



Each tool comes with two batteries, a quick charger and four spools of wire in a tough molded plastic carrying case ready to use. It weighs 5.8 lbs and has a one year warranty. This tool will save you time and money.

Note: We also now offer wire made here in the USA!

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USG and Shaw Industries Conduct Joint Testing on Gypsum-Based Underlays

Multi-Year Evaluation Results in Modified Installation Specifications and Rehab Guidelines

USG Corporation and global flooring provider Shaw Industries have completed a multi-year evaluation of gypsum-based underlays. The extensive testing and assessment resulted in modified installation specifications and rehabilitation guidelines based upon a better understanding of the entire floor covering system, rather than singular components within the system.

"Through our partnership with USG, we have learned a great deal about gypsum floors," said Julie Brumbelow, director of technical support at Shaw Industries, one of the largest floor covering manufacturers in the world. "There are products available today that are far superior to those used in the past."

Shaw's approved gypsum-based underlays must meet a minimum compressive strength of 3,000 psi for carpet, resilient and hardwood floor coverings. With products available in a variety of compressive strengths, USG offers numerous underlayment solutions to fit Shaw's specifications.

In addition to modified installation specifications for all of its flooring products, Shaw supports USG's Rehabilitation Guidelines for Damaged Gypsum Underlays.

ments. The guidelines provide a solution to repair existing damaged or compromised gypsum underlays while maintaining building code requirements based on ASTM E119/UL 263 standards for fire resistance.

"We have worked hard over the years to remove the stigma associated with gypsum-based underlays and appreciate Shaw's willingness to collaborate with us through this lengthy process," said Ray Kaligian, director of advanced technologies for Performance Flooring at USG.

USG has been a leader in gypsum-based solutions for nearly 20 years, when the company introduced its line of Levelrock® products, designed to increase minimum compressive strengths and eliminate the weak floors of the past. USG also implemented a stringent quality control program with its contractor base to ensure proper installation—a critical component in successful flooring systems.

"Ensuring floor covering manufacturers recognize the high standards we place on our products is key to advancing gypsum-based solutions," said Kaligian. "We're incredibly proud of what we have accomplished not only for ourselves but also for the entire gypsum industry."

Continued on next page

JM Launches Curved Segment Calcium Silicate



Johns Manville (JM), a leading global manufacturer of energy-efficient building products and engineered specialty materials and a Berkshire Hathaway company, announced that it has released Thermo-1200™ Curved Segments, the latest addition to its Thermo-1200™ calcium silicate product line. Curved Segments are segments of Thermo-1200™ that are cut on a curvature to match the radius of a large-diameter pipe or vessel. They can be used as an alternative to QUAD and HEX pipe sections.

Senior Industrial Product Manager Jack Bittner explained that JM developed Thermo-1200™ Curved Segments because engineers want an insulation solution for large-diameter equipment that will offer tighter joints at the insulation seams.

"When we've discussed material needs with our customers and engineers, we have frequently heard that the industry needs a product for large-diameter pipes and equipment that offers a tighter, more precise fit than scored and v-grooved calcium silicate block. Thermo-1200™ Curved Segments do just that. They are specifically designed for pipe sizes ranging between 30" and 126," he said.

Thermo-1200™ Curved Segments are 6" wide by 36" long sections of water-resistant type I calcium silicate.

Jeff Semkowski, Industrial Portfolio Manager, described the differences between Curved Segments and QUADS/HEXs.

"Each of these types of Thermo-1200 will perform as specified, so the real difference is in how the material is installed and when it's available. There may be a labor advantage when using QUADS and HEXs because there are fewer pieces to install," he explained. "However, the edges of each Curved Segment are butted squarely against each other, which makes for a tighter fit around the vessel. While all three forms of insulation will offer the same insulating benefits, some specifiers may prefer the butted joints of the Curved Segments to those of the QUADS or HEXs. Additionally, Curved Segments are typically available with shorter lead times, around 2-3 weeks, whereas QUADS and HEXs are typically on 6-12 week lead times."

The Thermo-1200 Curved Segments meet the same water-resistant requirements as the rest of the Thermo-1200 product line. Additionally, the Curved Segments offer the same thermal performance and compressive strength as the Thermo-1200™ pipe and block.

For more information, read the Thermo-1200 Curved Segments data sheet on the JM website.

JOHNS MANVILLE
jm.com

Bosch's New 17-Gallon 300-CFM Dust Extractor with Auto Filter Clean and HEPA Filter

The Bosch 300-CFM Dust Extractor delivers the high-performance cubic-feet-of-air-per-minute (CFM) rate for maximum dust extraction for heavy-duty concrete construction applications such as concrete cutting and surface grinding. The dust extractor's powerful 17.5 Amp motor delivers a maximum 300 CFM, and it is designed to help users move toward compliance with the OSHA Silica Table 1 dust compliance regulation.

The automatic on-board filter-cleaning system activates every 15 seconds to help maintain maximum suction power. The included HEPA filter captures 99.97% of particles at 0.3 microns and larger. The included three-

Continued on following page

Product News

layer heavy-duty filter bag helps to protect the filter and provides the optimal containment of dry dust. It also provides wet/dry operation, with a water-level sensor and drain hose.

The extractor features a wheeled metal frame with dumping mechanism, metal castors and a height-adjustable push handle.



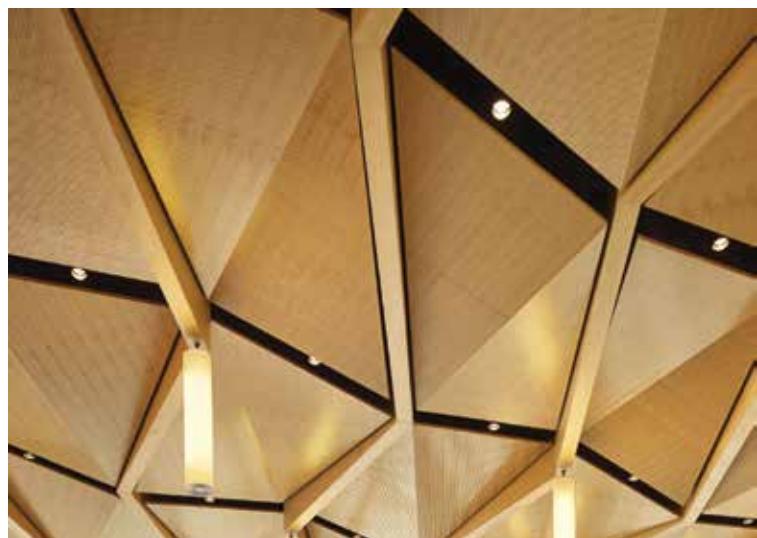
This unit includes a 16 Ft. 35mm anti-static hose and 27 Ft. power cord with standard 20 Amp plug. When used with the optional Y-Connect (sold separately), the dust extractor can be hooked up to two tools (such as small angle grinders when used in grinding or cutting concrete).

BOSCH TOOLS
boschtools.com

Missouri and has annual revenues of approximately \$35 million.

AWI CEO Vic Grizzle said, "ACGI has been on our radar for some time and at the top of our acquisition target list. We are extremely pleased to have them join the AWI family. The business is recognized among architects, designers and end-users as one of the leading wood product companies in our industry. Wood ceilings and walls is a double-digit growth category for AWI, and we plan to build upon ACGI's solid foundation."

AWI Ceilings and Walls SVP Charlie Chiappone added, "This business is truly one of the gems in our industry. Their innovative, leading-edge designs have unique attributes that architects want to specify and owners want to



Armstrong World Industries Acquires Architectural Components Group

Armstrong World Industries, Inc. (announced that it has completed its acquisition of Architectural Components Group, Inc. (ACGI), an industry leader in custom wood ceilings and walls. The acquisition further advances AWI's strategy to sell into more spaces and sell more into every space by aggressively penetrating the Architectural Specialties segment with the broadest portfolio and capabilities on the market. ACGI marks AWI's third acquisition in the last twelve months.

ACGI is a premier designer and manufacturer of custom architectural specialty wood ceiling and wall solutions. ACGI capabilities and product solutions will complement and enhance AWI's existing wood ceiling and wall solutions, and further strengthen AWI's market-leading position in the category. ACGI is located in Marshfield,

install. ACGI and their high-performing employees bring wood competencies and capabilities that, when combined with the Armstrong brand strength and market reach, will establish an industry-leading capability in the fast-growing wood ceiling and wall market. ACGI will become the cornerstone of AWI's center of excellence for our wood product portfolio."

AWI will service all of their wood products out of the acquired Missouri facility and through existing distribution channels. AWI funded the acquisition with available cash. Financial terms of the transaction were not disclosed.

For more information, visit www.armstrongceilings.com/

ARMSTRONG WORLD INDUSTRIES
www.armstrongceilings.com

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Product News

The World's First Cordless 1" High Torque Impact Wrench Just Made It Easier to Say 'Goodbye' to Compressors and Generators

Milwaukee Tool just elevated the productivity for users who fasten up to 1-3/4" bolts with the introduction of the first and only cordless 1" high torque impact wrench. An incredible breakthrough for cordless power tool technology, the M18 FUEL™ 1" High Torque Impact Wrench w/ ONE-KEY™ is also the world's most powerful cordless impact. It utilizes advanced M18 FUEL™ technology to deliver up to 1800 ft-lbs of nut-busting torque while remaining 7 lbs lighter than the leading cored option currently available.



"The M18 FUEL™ 1" High Torque Impact Wrench is the epitome of what we're able to accomplish through M18 FUEL™* cordless technology – it's not only the first of its kind but it's also the most powerful cordless impact in the world. This tremendous power breaks down so many barriers on the jobsite and in the shop: Users will no longer need their compressors and generators, nor will they need to spend the time and money needed to maintain them. They'll experience much less fatigue because this tool is much lighter than what they have been using during these fastening applications. And they'll be able to perform their jobs without the interference of cords or hoses," said Eric Rusch, Senior Product Manager for Milwaukee Tool. "There simply hasn't been a cordless impact wrench like this ever before."

True to all M18 FUEL™ solutions, the new M18 FUEL™ 1" High Torque Impact Wrench combines three exclusive innovations – the POWERSTATE™ brushless motor, REDLITHIUM™ battery pack, and REDLINK PLUS™ intelligence. However, to deliver the world's first cordless 1" impact wrench, Milwaukee® reengineered the motor and electronics packages to deliver seamless communication with the

battery and the best performance catered to this tool and its applications.

A brand-new POWERSTATE™ brushless motor packs more torque for demanding applications, while redesigned REDLINK PLUS™ Intelligence drastically reduces the size of the electronics to save space and increase thermal capacity and communication between the tool, motor, and HIGH OUTPUT™ XC8.0 battery. Finally, the mechanism has been optimized to deliver this incredible raw power in the most lightweight package possible. The tool is also designed with a four-mode DRIVE CONTROL™ feature, providing users the versatility to switch between modes to match the power and speed for the application.

As an added benefit, ONE-KEY™,** provides the ability to customize, track and manage this impact wrench, as well as set a repeatable torque.

Milwaukee® is committed to improving productivity by providing performance-driven and trade-focused solutions so users can perform an entire day's work on one battery system. This new tool is part of the M18™ System, now offering more than 175 power tool solutions.

*M18 FUEL™ is engineered for the most demanding tradesmen in the world. Delivering unrivaled performance, all M18 FUEL™ products feature three Milwaukee®-exclusive innovations—The POWERSTATE™ Brushless Motor, REDLITHIUM™ Battery Pack and REDLINK PLUS™ Intelligence Hardware and Software—that deliver unmatched power, run-time and durability on the jobsite. Simply put, M18 FUEL™ tools are the most powerful 18V cordless tools in their class.

**ONE-KEY™ is the first digital platform for tools and equipment. By integrating industry-leading tool electronics with a custom-built cloud-based program, ONE-KEY™ provides a new level of control and access to information that revolutionizes the way work gets done. The ability to customize, track, and manage through ONE-KEY™ fundamentally changes the way users interact with their tools.

MILWAUKEE TOOLS
milwaukeetool.com

Product News

Bosch GKT13-225 Track Saw with Plunge Action Delivers Extreme Accuracy for End-to-End Cuts and Plunge Cuts

Bosch's track saw's adjustable track guidance mechanism offers exact settings for the perfect cuts with table-saw quality

An easy-to-transport tool that's ideal for making table saw-quality cuts on sheet goods like laminated particle board and plywood is highly prized on every jobsite for cutting precision. The Bosch GKT13-225 Track Saw delivers on that need with precision and power, including an adjustable track guidance mechanism that aides cutting angle, cut depth, and plunge and finish angle cutting. The track saw can be combined with optional Bosch tracks (sold separately) to deliver straight fast, finish cuts.

The saw features a single pivot point for bevel cuts from -1° (for slight undercuts) to +47°, so a user employing the track doesn't need to position the saw differently for bevel or non-bevel cuts. The track saw's plunge mechanism ensures plunge cuts with accurate depth of cut thanks to a that displays a scale with both inches and metric increments.

The saw includes an efficient dust extraction design that helps deliver a clean work environment. Blade change on the Bosch Track Saw is fast and easy.

"The Bosch Track Saw offers users a portable, accurate saw that addresses the need to precisely cut sheet

goods and other wood composite materials on the jobsite or in the shop," said Jim Stevens, product manager, Bosch Power Tools. "This saw is all about productivity, but it doesn't decrease work output at the expense of precision.

The Bosch Track Saw meets both precision and efficiency requirements."



At only 9.8 lbs., the Bosch Track Saw is the easy-to-transport alternative to having a table saw to a jobsite. The saw comes with a large Bosch L-Boxx-4 carrying case for quick packing and protection of the investment.

BOSCH TOOLS

boschtools.com

Tradeready® Floor Joist Blocking New From Clarkdietrich

Quick and efficient system that prevents joist rotation and accommodates mechanical passing

TradeReady Floor Joist Blocking is one of the primary components that make up the TradeReady floor bracing system. TradeReady Blocking features a large extruded hole to accommodate HVAC, mechanical, plumbing and sprinkler runs.

TradeReady Blocking is pre-cut and formed to fit securely between the floor joists to prevent joist rotation. Pre-punched holes in the connection legs are added for quick attachment to each floor joist. Structural blocking is an economical alternative to Tension Bracing (CDTB) or Diagonal Tension Strapping.

Pre-cut to fit 12", 16", or 24" joist spacing
Pre-punched holes for quick attachment to floor joists
Available in 7-1/4", 8", 9-1/4", 10", 11-1/4", 12" and

Continued on next page



Product News

14" deep members

Extruded hole sizes range based on member depth:
4-1/2" x 7" hole for 7-1/4" and 8" blocking systems
6-1/2" x 9" hole for 9-1/4", 10", 11-1/4", 12" and 14"
blocking systems

Floor Joist Blocking is typically used in conjunction with a continuous row of TradeReady Structural Bridging (TDSB) that ties the floor system to the structure allowing bracing against lateral movement.

CLARKDIETRICH

clark-dietrich.com

DEWALT® Brightens Jobsites with 20V MAX* Tool Connect™ All-Purpose Light

DEWALT announces the 20V MAX* Tool Connect™ All-Purpose Light (DCL074), an LED that emits 5,000

lumens of natural white light. It features Bluetooth® connectivity that provides tracking and setting control through the free mobile TOOL CONNECT™ app.

Users can fine-tune light output to match their environment with the All-Purpose Light's three variable brightness settings. Featuring an impact-resistant lens and durable "roll cage" design, it's made to withstand demanding jobsite conditions with IP54 dust and water resistance. The All-Purpose Light can also be hung via an integrated rafter hook for multiple lighting position, or, it can be used freestanding or tripod-mounted (tripod sold separately). Using the 20V MAX* 6.0Ah Lithium Ion Battery (DCB206 sold separately) on low setting, the 20V MAX* Tool Connect™ All-Purpose Light runs for up to 11 hours. It is also compatible with all DEWALT 20V MAX* and DEWALT FLEXVOLT® Batteries.

At only 8.6 lbs. (bare tool), the 20V MAX* Tool Connect™ All-Purpose Light is a lightweight yet durable solution for a wide variety of applications. It will be available in early 2019 for \$199 MSRP (DCL074), battery and charger sold

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Product News

separately. It comes standard with a three-year limited warranty, one-year free service contract and 90-day money-back guarantee.



*Maximum initial battery voltage (measured without a workload) is 20 volts. Nominal voltage is 18.

DEWALT TOOLS
dewalttools.com

Also From Dewalt DWHT75021 Heavy Duty Electric 5-In-1 Multi-

The Heavy Duty Electric 5-in-1 Multi-Tacker takes heavy duty, narrow flat crown and cable staple along with 1 GA and 18 GA headless brad nails. Its High/Low power switch allows for tool use with a multitude of materials. It has an integrated wire guide, which al-



Continued on next page

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Product News

lows for accurate stapling over wires. With a comfortable grip and a bottom load for easy refill, this multi-tacker is a must-have on any jobsite.

FEATURES

- 5 tools in 1. Uses Heavy Duty, Narrow Flat Crown, Cable staples, 18 GA brads as well as 18 GA headless pins
- The High/Low power switch allows for the tool to drive fasteners into hard and soft materials ranging from Oak to Pine
- Drive staples accurately over wire with integrated wire guide
- Contact-Trip Switch will only allow a staple/brad nail to fire if pressed against a work surface
- Comfortable grip
- Bottom load for easy refill
- Long 8 ft. cord

DEWALT TOOLS

dewalttools.com

Hammerhead Industries Introduces New Side-Release Wrist Lanyard



Hammerhead Industries has announced the availability of the Deluxe TL1-2007 side release wrist lanyard system for tools up to 5 lbs. This ANSI-121 compliant product is ideal for situations where a short drop length is critical, such as climbing or working in close quarters.

In contrast to some off-the-shelf products, Gear Keeper tethering systems insure dependable ANSI-121 safety and quality, a result of the company's stringent quality control systems. Quality assurance testing includes dynamic and static testing, drop load testing with up to a 100% safety margin and cycle testing for safe, productive use and long life.

HAMMERHEAD INDUSTRIES

www.gearkeeper.com



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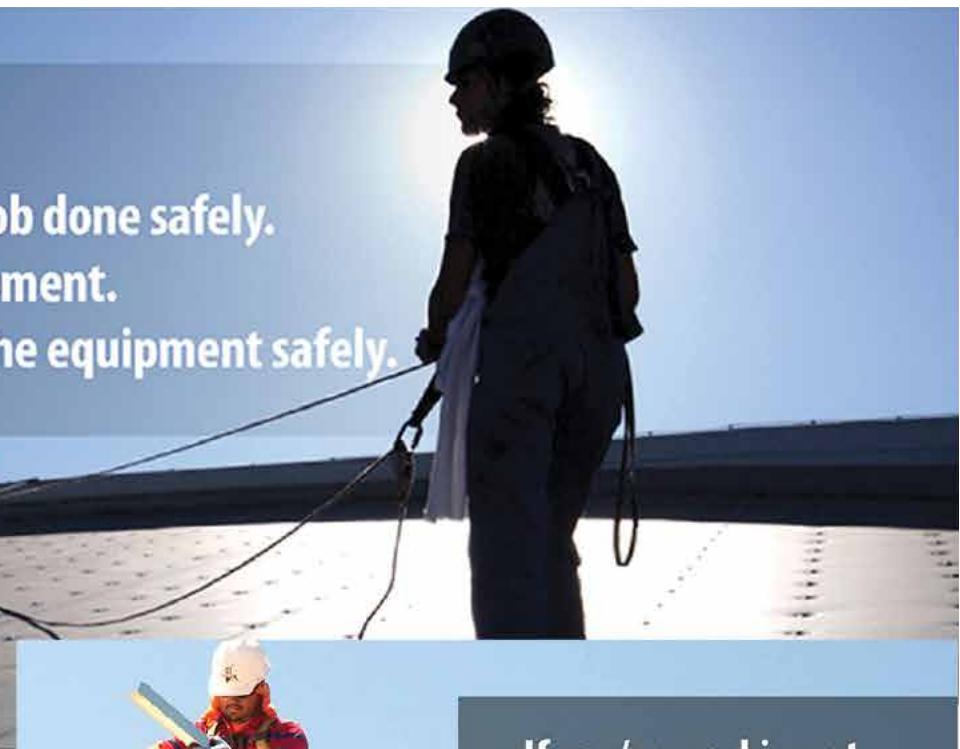
Falls can be prevented:

PLAN ahead to get the job done safely.

PROVIDE the right equipment.

TRAIN everyone to use the equipment safely.

Photo: National Roofing Contractors Association



If you're working at
6 feet or higher, you
need fall protection.

Be Safe!

- Use fall protection when 6 feet up and higher
- Plan ahead to get the job done safely
- Provide the right equipment
- Always wear your gear and stay connected
- Inspect your harness, lanyard, and anchorage point



3 parts of an effective fall arrest system:
① Anchorage point
② Harness
③ Lanyard or lifeline



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