

CRCA TODAY

FALL 2015
WINTER 2016

The Magazine
of Roofing and
Waterproofing
in Chicago
and Beyond

CRCA 33rd Annual Trade
Show & Seminars -
Register Now!

OSHA To Raise Fines

City of Chicago Crane
Operator License



Chicago Roofing
Contractors Association

CRCA TODAY | 4415 W. Harrison St., #436 | Hillside, IL 60162

The RIGHT Products Place Time

At ABC Supply, we sell more low-slope roofing products to professional contractors than any other distributor. Our size and experience provide you with a competitive edge that is unmatched in the industry and services designed around your needs.

Look to ABC Supply for:

- *Broad selection of in-stock products, tools and accessories*
- *Knowledgeable staff that understands your project*
- *Quick quote turnarounds, prompt call backs and email confirmations*
- *Industry's largest fleet of world-class delivery vehicles and equipment*
- *Professional, courteous, and knowledgeable drivers*
- *Order accuracy, delivery coordination and jobsite verification*

Serving the Chicagoland for over 30 years

Roofing | Siding | Windows | Gutter | Tools | Accessories



CRCA TODAY

FALL 2015
WINTER 2016

www.CRCA.org



FEATURES

Leadership Message.....	5
OSHA to Raise Fines in the New Year	6
CRCA on Illinois' Adoption of the 2015 Energy Conservation Code—Update	8
City of Chicago's New Crane Operator License Ordinance	10
Rooftop Access Policies – Something to Consider	17
OSHA Tips for Safe Snow Removal from Roofs	25
CRCA Industry News.....	27
Safety 101: Harness Edition	31
Industry Calendar	39



Advertising Contact: Contact CRCA's Office for information at 708-449-3340 or info@crca.org.

Reprints: *CRCA Today* has extra Magazine reprints available to CRCA Members for a limited time, limited quantity, for free. Contact info@crca.org. Reprints are available from CRCA headquarters; 1-100- \$.95/issue; 101-500 - \$.90/issue ; 501-1000 - \$.80/issue; 1000+ - \$.70/issue. All shipments FOB 4415 W. Harrison St., Suite 436, Hillside, IL 60162.

Online: Archived *CRCA Today* available at <http://www.crca.org>, Magazine.

On the Cover: Photo courtesy of Runnion Equipment Company; National 900A Boom Truck typically used by roofing contractors and suppliers. Specs include: 26 ton, 103 ft. of boom, 44 ft. of jib, 154 of tip height and 22 ft. wood flat bed.

Copyright ©2015, CRCA, the Chicago Roofing Contractors Association

CRCA TODAY

FALL/WINTER 2015

CRCA 2016 Board of Directors

George Patterson, President
Bennett and Brosseau Roofing, Inc., Romeoville, IL

Troy Wormley, 1st Vice President
W.B.R. Roofing, Inc., Wauconda, IL

William Lynch, 2nd Vice President
Olsson Roofing Company, Inc., Aurora, IL

Mark Duffy, Treasurer
Elens & Maichin Roofing & Sheet Metal, Joliet, IL

Jay Adler, Secretary
Adler Roofing & Sheet Metal, Inc., Joliet, IL

Tony Roque, Immediate Past President
M.W. Powell Company, Chicago, IL

Brian Cronin, Director
Knickerbocker Roofing and Paving Co., Harvey, IL

Phil Diederich, Director
Waukegan Roofing Company, Inc., Waukegan, IL

Jim Filotto, Director
Filotto Construction, Crest Hill, IL

Dave Noonan, Director
G.E. Riddiford, Co., Arlington Heights, IL

Jim Prusak, Director
Prusak Construction & Roofing, Inc., Bridgeview, IL

James Peterson, Steep and Shingle Chair, Director
Peterson Roofing, Inc., Mt. Prospect, IL

Ryan Petrick, Director
Ridgworth Roofing Co., Inc., Frankfort, IL

Mitch Rabin, Director
A-1 Roofing Co., Elk Grove Village, IL

Jennifer Trapane, Director
Lindholm Roofing, Inc., Chicago, IL

David Wehrle, Director
Anderson & Shah Roofing, Inc., Joliet, IL

Associate Director

Greg Dedic, Associate Director
North Coast Roofing Systems, Glendale Heights, IL

Dominic Marino, Associate Director
Insulation Plus, Elk Grove Village, IL

Bill McHugh, Executive Director
Chicago Roofing Contractors Association, Hillside, IL

Subscription information:

To subscribe, visit www.crca.org, click on CRCA Today, subscribe. For article submissions, information, contact CRCA at 708-449-3340 or e-mail info@crca.org. To unsubscribe, email info@crca.org, unsubscribe to CRCA Today.

CRCA Today, Volume 5, No. 1, is published quarterly by the Chicago Roofing Contractors Association. Information has been obtained from sources believed to be reliable. However, because of the possibility of human or mechanical error by our sources, the Chicago Roofing Contractors Association does not guarantee the accuracy or completeness of any information and is not responsible for any errors or omissions of the results obtained from use of such information. The publisher reserves the right to censor, review, edit, reject or cancel any materials not meeting the standards of CRCA Today.

Editorial Contributions: You are invited to share your expertise and perspectives. Before writing, visit www.crca.org / magazine, or contact CRCA at info@crca.org for writing guidelines & policies.



RUNNION

For All Your Truck Mounted Cranes & Equipment Needs

NATIONAL CRANE

PALFINGER
NORTH AMERICA

Manitex

TADANO



Dependable Cranes—New, used and rental equipment

Knowledgeable Technicians—Factory trained for prompt service, on time and on budget

Available Parts—Over \$500,000 of parts in stock

Call Us Today! 800-824-6704

Runnion Equipment Company

Serving roofing contractors since 1975

7950 47th St. • Lyons, IL 60534 | www.runnionequipment.com

CRCA Leadership Message – Looking to 2016 and Beyond!



George Patterson

The Chicago Roofing Contractors Association (CRCA) has a history of leadership and building relationships and as a result has had another great year that we celebrate. Take a moment to check out those who were awarded honors at the December 2015 CRCA Annual Award Event in Industry News later in this issue.

CRCA has a strong history of working with people and organizations – from Contractors to Specifiers and Architects, Roof Consultants, to Authorities Having Jurisdiction at City of Chicago and throughout the State - to build a better roofing industry – through collaboration.

From a high level, CRCA is a healthy, active organization through all its committee work in the City of Chicago, State of Illinois and at the national level.

CRCA is recognized nationally for all it does in Chicago, Northern and Downstate Illinois from the CRCA Trade Show and Seminars to Membership Meetings, Golf Outing and Education Sessions and more. In fact, CRCA's work with the City of Chicago and State of Illinois has been used to justify national actions in building, fire and energy codes as well as safety programs with OSHA nationally.

CRCA's history and work is respected by all who read this publication, participate in the CRCA's Trade Show & Seminars and other CRCA Events. As a result, CRCA's Membership numbers remain strong and are growing into 2016.

CRCA has moved its Annual Committee Meetings from February to December to better plan for future years work.

CRCA's future is in our hands as a collective association. The Board, Volunteers on Committees and Members respect CRCA's legacy and aim to build on it in the future. Our challenge together is to tap other members who are not active....and your younger staff, to get involved at CRCA. It is also to tap those who are not members yet to join and participate. Roofing Contractors, Distributors, Manufacturers Reps, Manufacturers, Roofing Consultants, Specifiers, join CRCA. It will return tenfold to your firm what you invest in time and dues.

We're looking forward to a great 2016 with CRCA Members – present and future! 

George Patterson, 2016 CRCA President

OSHA to Raise Fines in the New Year

By Frank J. Marino, CSP



Frank J. Marino, CSP

Just when you thought it couldn't get any worse, federal penalties for workplace safety violations were increased for the first time since 1990, thanks to a provision of the budget bill signed into law by President Barack Obama. The U.S. Department of Labor's Occupational Safety and Health Administration haven't

made an adjustment in its fine structure since 1990, and the new budget directs the agency to raise them and, on a yearly basis, keep them in line with the Consumer Price Index. The index has risen approximately 82% since 1990, and the move is designed to bring the fines in line with inflation over the past 25 years. In the future, fines from the U.S. Occupational Safety and Health Administration and state workplace-safety agencies would continue to rise with inflation. (Berzon, 2015).

According to an article in the Wall Street Journal, the new mandate, will likely increase maximum fines for the most severe citations to \$125,000 from \$70,000 and for other serious violations to \$12,500 from \$7,000.

Although an increase in OSHA fines has not come as a huge surprise in the construction industry, what has taken many professionals back are the comments of Assistant Secretary of Labor for OSHA, David Michaels, in his testimony before the House Committee on Education and the Workforce Subcommittee on Workforce Protections in October. In his statement before the committee, Michaels said, "Simply put, OSHA penalties must be increased to provide a real disincentive for employers accepting injuries and worker deaths as a cost of doing business." (Slowey, 2015). Many in the CRCA would strongly disagree with this statement, including myself. Robert Poole, safety director at HITT Contracting. "It's not true. Thirty years ago I'd say that would be an accurate statement, but those days are gone. It's hard for companies to operate that way now." (Slowey, 2015).

It should be noted that not everyone affected by the new legislation opposes the move. One prominent lawyer

who has represented industry interests in workplace-safety issues for decades said he couldn't argue with the increase. "It's very difficult to defend the present penalty structure," said Baruch Fellner, who has long represented industry interests on OSHA issues. "If you look at OSHA penalties in the context of other programs, they are in fact for individual items minuscule comparatively speaking. For larger corporations it can be a cost of doing business." (Berzon, 2015). "It's progress," said Peg Seminario, who directs workplace-safety policy for unions under the AFL-CIO. "It's bringing the penalties for worker-safety violations up to date." The average fine last year for an incident in which a worker died was \$7,000, reduced to \$5,050 following settlement talks, according to the AFL-CIO. (Berzon, 2015).

Regardless of what OSHA does with its current fine structure, it shouldn't change the focus of any contractors' health and safety program. Up-to-date programs, effective training, and overall accountability are the key to reducing employee injuries and maintaining compliance in the workplace. It's important to remember the benefits of an effective health and safety program go well beyond avoiding fines. Contractors with stellar programs know this better than anyone. Increased efficiencies and lower workers compensation costs are just a few of the by-products. Instilling employee safety as a core company value will result in higher profitability and a positive work environment. Achieve that, and higher OSHA fines will be someone else's problem... 

References:

1. <http://www.wsj.com/articles/osha-fines-to-rise-for-first-time-since-1990-1446603819>
2. <http://www.constructiondive.com/news/a-gotcha-move-construction-industry-reacts-to-osha-fine-increase-bombshe/409277/>

Frank Marino is a partner at Safety Check, Inc. He can be reached at fmario@safetycheckinc.com. Safety Check has been serving CRCA Members as CRCA's Safety Consultant for over fifteen years.



ARE YOU IN?

Become part of a community of top-tier professionals dedicated to advancing the roofing industry. Let NRCA be your business partner, providing your company with up-to-date roofing news, insight, education and data. Become an NRCA member and give your company a competitive advantage.

**What are you waiting for?
Join today.**

Attending the
CRCA show?
Visit our booth in the
registration area for
more information.

information

education

technology

advocacy

Visit www.nrca.net/join or contact NRCA's membership department at (800) 323-9545 or membership@nrca.net.

CRCA on Illinois' Adoption of the 2015 Energy Conservation Code – Update

By CRCA George Patterson, Rod Petrick, Tony Roque – CRCA Industry Affairs Committee

On Dec. 3, 2015, CRCA President George Patterson, 1st Vice President Troy Wormley and Executive Director Bill McHugh participated in the Illinois Energy Advisory Council Teleconference. This teleconference's purpose was to review comments submitted about the Illinois Adoption of the International Code Council's (ICC) 2015 International Energy Conservation Code (IECC). Comments included information about the residential energy ratings and also the effective date of the code.

After discussion, the Illinois Energy Code Advisory Council, an advisory council to the Capitol Development Board (CDB), motioned and passed a recommendation to adopt the 2015 IECC with the amendments made by the Illinois Energy Advisory Council Residential and Commercial Subcommittees.

The CDB recommendation was sent to the Joint Committee on Administrative Rules (JCAR) who voted on the issue Dec. 15th. After approval by JCAR, the 2015 IECC became State law. Based on the vote at JCAR, the **effective date of the 2015 IECC with Illinois Amendments is January 1, 2016.**

Illinois amendments may be found by reviewing the Capitol Development Board filing on p. 12,425 of the September 11th, 2015, Illinois Register (v.39, i.37).

Check the IL Amendments to the IECC: https://www.cyberdriveillinois.com/departments/index/register/register_volume39_issue37.pdf

NEW 2015 IECC IMPLICATIONS

What does this mean? For new construction and existing



buildings, building permits applied for on or after that effective date will be subject to the 2015 IECC - with Illinois amendments based on the JCAR approval of the recommendation from CDB and the Council. Therefore, the insulation needed to comply with the new 2015 IECC on commercial structures new construction and roof replacements, is a minimum (min) R-30 continuous insulation (ci) for buildings where permits are applied for on or after January 1, 2016. There were amendments submitted by CRCA for both the commercial and residential parts of the IECC for the Illinois adoption.

Check out the two definitions from the International Energy Conservation Code, Chapter 2, and Definitions for Commercial and Residential Buildings :

COMMERCIAL BUILDING. *For this code, all buildings that are not included in the definition of "Residential building."*
[IECC Chapter 2]

RESIDENTIAL BUILDING. *For this code, includes detached one- and two-family dwellings and multiple single family dwellings (townhouses) as well as Group R-2, R-3 and R-4 buildings three stories or less in height above grade plane.*
[IECC Chapter 2]

Unless there is a variance granted by the Authority Having Jurisdiction, (AHJ - Building Code Official), R-30 will also be required on existing buildings for **Roof Replacements**, also known as tear-offs.

However, there already is an exception in the energy code. **Roof Recover**, where the insulation is not exposed, and **Repairs** are exempted from the min. R-30 ci requirement. Please note: this exception does not apply to tear offs or situations where the roof is removed and insulation reused.

ALTERNATIVES?

CRCA met with the State of Illinois Energy Advisory Council for about a year to provide alternatives to the new requirement of min. R-30 ci for existing buildings. We



know that when the building owner is hit with a big extra of 50+% more dollars – to raise the wood nailers at the perimeter, flashings at walls,

HVAC Units, gas and other piping, remove and replace doors and windows at walls, due to the increased insulation thicknesses required - there will be scrambling. Someone will bid not to comply and undercut those who do comply with the 2015 IECC by a big margin or worse yet, the work may be done without a permit.

There are options available using the formal process stated in the building and energy codes to get relief for situations where the conditions won't accommodate min R-30 ci Insulation.

Don't miss CRCA's Trade Show and Seminars to hear about the alternatives that may be submitted for approval for reduced insulation thicknesses when the rooftop conditions just won't support the thickness of going to min R-30 ci for the insulation. Come listen to NRCA Associate Director of Technical Services, Mark Graham,

to learn more. Register for the January 21-22, 2016 event today at www.CRCA.org. This event is free to attend! Can't make the Trade Show? CRCA's Membership Luncheon Feb. 9 will also focus on this important topic.

CRCA Members, visit the Members Only Section of the CRCA Website, www.CRCA.org to check out some possible alternative options when the min. R-30 ci just can't be done as it will cause the building owner and manager to shut the building down due to the expense. 

GEMCO

ROOFING & BUILDING SUPPLY

2601 Van Buren St. Bellwood, IL 60104
 (708) 544-1444
www.GemcoRoofingSupply.com

Gemco has remained a family run business since 1977. Equipped with a knowledgeable staff, we continue to provide superior customer service for all of your roofing needs.



THE ROOF RESTORATION EXPERTS.

PROVEN SOLUTIONS FOR BUILT-UP·METAL·SINGLE PLY·GRAVEL

Roof Restoration Beats Tear-offs:

- ▶ Less waste, more profit
- ▶ Significant cost savings
- ▶ Potential tax benefit
- ▶ Lower cooling costs
- ▶ Lasting protection
- ▶ Less disruption



www.apoc.com

Contact your APOC representative at (773)484-8634

City of Chicago's New Crane Operator License Ordinance

Compiled by CRCA Staff and CRCA's Industry Affairs Committee

The City of Chicago's Crane Operator Licensing Ordinance passed in late 2013. The rulemaking for the new ordinance then took place until last summer. The licensing implementation has already started with licensing of crane operators underway. With a 'comply by' date of March 1, 2016, those who want to be licensed need to get rolling. This article is meant to provide companies with cranes and crane operators the information to comply.

What's a Crane?

A Crane is defined as "power operated equipment that, when used in construction, can hoist, lower and horizontally move a suspended load." The City of Chicago has had an exemplary safety record when it comes to crane operations. While other cities throughout the world have had incidents where tower cranes toppled over, Chicago has been very safe. The City has stated that to maintain this level of safety, crane operators need to adhere to strict licensing standards.



Class I Cranes

What's required?

The ordinance, passed in 2013 and effective March 1, 2016, requires that any person operating crane equipment, within the City of Chicago, with a rated lifting/hoisting capacity of over 2,000 pounds obtain a Chicago Crane Operators License. The Crane Operator

Licensing Ordinance requires that there are two exams. One is a Class I and the other, Class II, each for a specific group of equipment, with specific questions geared for each type.

Class I Cranes

- Tower Crane – Hammerhead
- Tower Crane – Luffing Boom
- Tower Crane – Self – Erecting
- Friction Crawler Crane or Friction Truck Crane
- Hydraulic Crawler Crane or Hydraulic Truck Crane with Lattice Boom
- Hydraulic Mobile Crane: rough terrain or all – terrain
- Mobile Crane: boom truck (This crane is used by the Roofing Industry)
- Industrial Crane or Carry Deck Crane
- Spider Crane
- Chicago Boom, Drumhoist or Derrick
- Rack and Pinion Skips
- Other Class I Cranes or hoisting equipment

Class II Cranes

- Articulating Crane – Knuckleboom
- Multi-Purpose Machine with Hook / winch and or hoisting attachments
- Forklift/Lull with hook / winch
- Powered Operated Floor Cranes / Deck Type Cranes
- Overhead Crane
- Monorail / Gantry Crane
- Mast Climbing work platforms with boom
- Powered window washing unit when erecting
- Track Backhoes when erecting
- Service Mechanic Trucks when erecting
- Other Class II Cranes

Chicago Crane Certification Exams

A written and practical exam is required by both classes of cranes. The only equipment that does not require a practical exam is the Monorail/Gantry Crane, Mast Climbing work platforms with Boom and Powered window washing unit when erecting.



The new exam – both written and practical – was developed by representatives from the City of Chicago, Continental Testing and also the Operators Union, Local 150. The exam is administered by Continental Testing. Applications for the exam are available from Continental Testing.

To qualify to take the City of Chicago Crane Operator's Class I or Class II Written License Examination, the applicant must provide the following information:

- **Valid ID** – applicant must provide proof that he/she is at least 21 years old by providing a valid photo ID;
- **Social Security Number** – applicant must provide a valid social security number;
- **Work Experience** – The applicant must have documented work experience as a crane operator of at least **2,000 hours** during the preceding 48-month period, or the applicant must have evidence of the completion of a crane apprenticeship program that is recognized by the City of Chicago Board of Crane Operators Examiners. The applicant must provide original signed letter(s), on company letterhead, from their current and/or former employer's that document the applicant's dates of employment and the required hours and time frame listed above;
- **No Suspensions** – The applicant cannot have a crane operator's or comparable license suspended or revoked by the City of Chicago or any other jurisdiction; provided, however, that upon good cause shown and after a full investigation, the City of Chicago Commissioner Department of Buildings may waive this prohibition;
- **No Drug Abuse** – The applicant cannot have history of substance abuse during the preceding three years or if so, the applicant must show successful completion of a certified substance abuse rehabilitation program;
- **Physical Ability** – The applicant must have the present physical ability to safely operate a crane;

BENNETT & BROUSSEAU

ROOFING INC.

www.BennettandBrousseau.com

24 Hour, 7 Days a Week Availability
 General Roof and Emergency Roof Repairs
 Reroof, Replacement, New Construction
 Roof Inspections and Comprehensive Reports
 Custom Preventative Roof Maintenance Programs

Standing Seam, Slate, Shingles, Garden/Green Roofing

1-800-339-8327



Sarnafil®



SOPREMA®

Firestone
 BUILDING PRODUCTS
 NOBODY COVERS YOU BETTER.™

CARLISLE
 SYNTEC SYSTEMS
 Carlisle SynTec Incorporated



DERBIGUM®
 MAKING BUILDINGS SMART

Firestone
 MASTER CONTRACTOR
 Partners in Quality

Fiberlite
 INTELLIGENT ROOFING SOLUTIONS

KEMPER SYSTEM



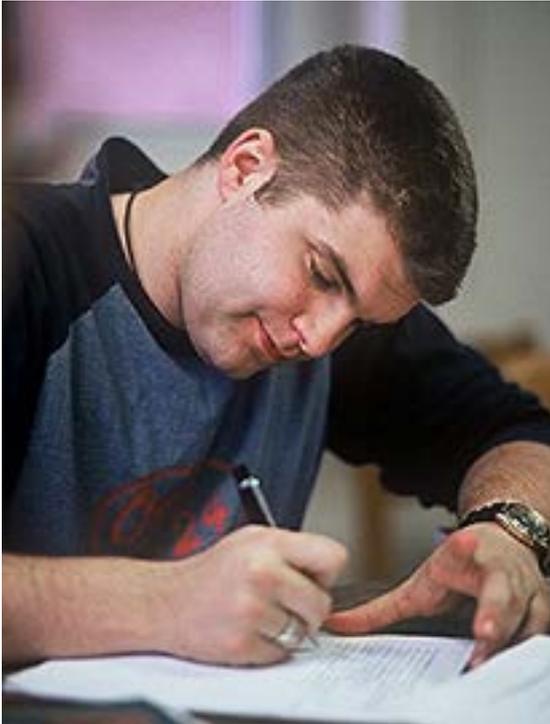
Commercial ~ Industrial ~ Institutional

Illinois Roofing License # 104-000207



NRCA
 National Roofing Contractors Association

- **Communicate in English** – The applicant must have the ability to read, write, speak and understand English at a level that allows effective communication on the job site.



Practical Crane Operator Licensing Exam

The Practical Exam is administered by The Operators Union Local 150, at their site in Countryside, IL. The operator can use their own crane. Cranes must have current registration and inspection certificates, and be suitable for use in the exam. Cranes brought by the licensing candidate can be rejected. If rejected, Local 150's equipment can be used for the practical exam.



Crane operation is possible with the right education and training.
(CRCA Photo)

INTERIOR PROTECTION BEGINS ON THE ROOF



DERBIGUM®
MAKING BUILDINGS SMART

Contact: Mike Tolzien, mike@derbigum.us
708-380-5045



Contact: Brian Jones, bjones@gulfeaglesupply.com
773-510-0944

◆ INSULATION SYSTEMS

Recover Products
High R-Value
Tapered Insulation Systems

◆ LIQUID WATERPROOFING AND FLASHING SYSTEMS

Multiple Systems
Ease of Application

◆ DUAL & TRIPLE REINFORCED MODIFIED BITUMEN ROOFING

High Reflectivity
Superior Waterproofing Blend
Documented Stability & Long-term Performance

◆ PERMASTIC

Low VOC
User & Environmentally Friendly Adhesives
Additional Waterproofing Layer

WWW.DERBIGUM.US

Resources & Applications for Written Exams

The City of Chicago has built a study guide for use by candidates interested in taking the Chicago Crane Operator Licensing Exam. Included in the Chicago Crane Study Guide is information about Class I and Class II equipment classes, written and practical examination requirements, sample questions, and license designation. This information includes:

- Passing Rate – Candidates must receive a 70 or higher to pass the written exam. If achieved, these candidates are then eligible to schedule the appropriate practical exams.
- Length – Each written test is three hours in length with questions approved by the Chicago Crane Operators Examining Board. Each Crane Class Exam consists of 65 questions on such areas as types of equipment, operating practices, rigging and signaling, inspections, safe working Loads, OSHA regulations and hoisting safety.
- What to Bring to written exam – Each candidate should bring two sharpened #2 pencils and a non-programmable pocket calculator. **Books, Cell Phones, Notes and Reference Materials are NOT allowed during the exam.**



What About Boom Trucks? Note, that the Class I written exam, which includes the 'boom truck' (the equipment category that CRCA Member Roofing Contractors and Distributors operate), may also include exam questions on Tower Cranes. Therefore, be sure to have your 'boom truck' crane operators read the complete reference materials used for the written exam or it will be difficult to pass.

Practical Exams

A practical exam is required for each license type except Class II Gantry Crane or Crane on a Monorail, Booms Attached to Mast-Climbing Work Platforms and Power Window Washing Units when used to erect. Practical exams require safety review, set-up, communications and signaling, and demonstration of safe operation while performing tasks suitable for each type of crane.

Candidates can schedule up to two attempts to pass the practical on the specific type of crane/hoisting equipment within the scheduled exam period. Separate fees are due for each type of practical as well.

An original
Commercial and Residential
Roofing Products
vendor of the CRCA
Trade Show

CertainTeed
SAINT-GOBAIN
Roofing



Our advantage is that our accessories are
Designed BY Roofers FOR Roofers!
Field Tested and Approved!

Acme Cone Company offers the most comprehensive line of both standard and custom single ply accessories on the market today. We can also customize nearly any dimensions to meet your needs.

Toll Free: 866-516-4079 / Fax: 541-461-0806
Email: info@acmecone.com
www.acmecone.com

acme
cone
CUSTOM FLASHING

Candidates may bring a crane or hoist to the practical if all insurance and safety requirements are met and arrangements are made in the required time frame.

To learn more about the City of Chicago Study Guide, visit: <http://www.continentaltesting.net/CTSonlineapp/Downloads/7-30-15%20Crane%20Study%20Guide%20Posted%20Version%202.pdf>

Don't Risk Fines! CRCA Members and roofing industry service providers that hoist more than 2,000 lbs. to or from the rooftop need to comply with these new crane licensing requirements or risk fines. Starting at \$1,000 and going to \$10,000, for the crane operator and \$2,000 to \$30,000 for the company, the fines can be hefty for violations.

Key References for Chicago Crane Certification Requirements:

- City of Chicago Crane Certification Page – Licensing Info
http://www.cityofchicago.org/city/en/depts/bldgs/supp_info/suppinfo.html
- City of Chicago Crane Licensing FAQ Page
<http://www.cityofchicago.org/content/dam/city/depts/bldgs/general/Cranes/2015CraneLicenseTestingFAQ.pdf>

- Crane List and Type
<http://www.cityofchicago.org/content/dam/city/depts/bldgs/general/Cranes/Class1and2equipmentlistRevised.pdf>
- Conversion Chart – Old License Type to New License Type
<http://www.cityofchicago.org/content/dam/city/depts/bldgs/general/Cranes/2015CraneCONVERSIONCHART.pdf>
- Crane Licensing Exam Study Guide
<http://www.cityofchicago.org/content/dam/city/depts/bldgs/general/Cranes/7-01-15CraneStudyGuidePosted.pdf>
- Continental Testing Written Exam/Renewal Class Info and Registration Link
<http://www.continentaltesting.net/ProfDetail.aspx?Entity=1&ProfID=56>
- OSHA.gov – Deadline date extended from Nov. 10, 2014 to Nov. 100, 2017
https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=FEDERAL_REGISTER&p_id=24749 



FAST TURNAROUND!

CUSTOM SHEET METAL FABRICATION FOR THE ROOFING INDUSTRY



Coping



Snap On Fascia



Galv. Box Gutter



if you can draw it, we can bend it!
WWW.JJSUPERIOR.COM
 4302 Warren Ave., Hillside, IL 60162

Galvanized Steel - Pre-Painted Steel (Kynar) - Copper
EXPERTLY FABRICATED MADE TO ORDER FLASHINGS
708-544-3757 • Fax: 708-544-3761



CRCA SIDEBAR:

On December 2nd, 2015, CRCA's George Patterson, Rod Petrick, Tony Roque, Troy Wormley and Bill McHugh met with the new Chicago Building Commissioner, Judy Frydland and key Chicago Building Department Staff to discuss a range of topics. One of the topics discussed was the new City of Chicago Crane Operator Licensing ordinance and the certification process.

CRCA recommended to the City ways to improve the City of Chicago Crane Operators Licensing program for efficiency. During our meetings, CRCA stated that the new Crane Operator Licensing written and practical exam needs to incorporate all of the OSHA 2017 and National Commission for Certification of Crane Operators Certification (NCCCO) requirements in addition to the items that the City needs, to keep safety at the forefront for the City of Chicago. We call it a "NCCCO Exam with a Chicago Addendum".

By having an exam acceptable nationally with a Chicago Addendum, firms who operate cranes in various industries and locations – roofing, drywall, signs, windows, sheet metal and others – are able to comply with building owner demands in the City, suburbs, downstate and beyond. Many clients require the NCCCO Certification for those operating cranes on and around their property. One certification process would help contractors comply with both the City's and other requirements all at the same time.

By introducing a program where the written and practical examination NCCCO accepted for general certification, with City of Chicago specific items included to be Chicago licensed, huge efficiencies to the contractors and building owner and manager are realized. And, it keeps Chicago the leader in crane operator safety.

Otherwise, the roofing contractor must have their crane operators pass two exams – one for the City of Chicago and another that is accepted by most clients – the NCCCO Certification.

Not only is this redundant, it is also very costly. At this meeting, Building Commissioner Frydland agreed to look into CRCA's request.



At The Forefront Of The Roofing Industry
Over 125 years of experience and excellence

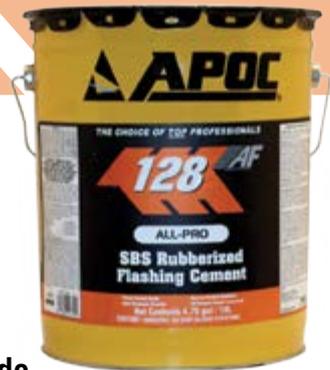
Flat Roofs
Slate and Tile
Waterproofing
Architectural Metal

KNICKERBOCKER
ROOFING AND FLAYING CO. INC.
800-245-FIX IT www.knickroof.com

Free Estimates
Emergency Repairs
Maintenance Service

128

**ALL-PRO SBS
Rubberized
Flashing
Cement**



- Thick Trowel Grade
- Heat Resistant Formula
- All Purpose Repair Compound

APOC
The Choice of Top Professionals™

(773)484-8634
www.apoc.com

Asphalt Shingle Recycling

**Be Green & \$ave Green
On Asphalt Shingles Disposal Fees**

Visit us Online or Stop by our Eco-Facility to Learn more!


Sexton®
PROPERTIES R.P.

ECO-FACILITY

sextonrecycling.com

847.571.1270



22100 S. Central Avenue • Richton Park, Illinois 60471

Rooftop Access Policies – Something to Consider

In December of 2012, a man fell down a rooftop chimney while taking photos and died from injuries suffered in the fall. Rooftops are not designed with occupant safety in mind unless they are to be designated for some use. The building codes do not require that rooftop perimeter edges be a certain minimum height off the roof membrane.

Does your building owner and manager clients have rooftop access policies? If not, consider offering to help them develop one. This is part 1 of a two part article on rooftop access on existing buildings.

Why have a Rooftop Access Policy?

A client *without a Rooftop Access Policy* can put themselves and those who think a trip to the roof is no big deal, at a great risk. It is important to realize that the risk of falls on or from rooftops can cause injury or death.

Rooftop Gardens are not meant to see heavy traffic. Loose laid ballast rock is not installed solidly. Instead, large roofing ballast and debris, fallen or tossed onto the roof, can become a tripping and injury hazard to those not used to walking on the material. Some roof membranes or coatings can be slippery when wet regardless of type. Worse yet, grease fans can put slippery or sticky grease on the rooftop, introducing a fall hazard. Winds may be more pronounced on rooftops at great heights. Footing can be lost resulting in a fall. Unknowing, occupants may sit on skylights that may not be capable of supporting their weight, causing a fall.



Example of access to roof via a hatch. When not in use, should be maintained in the closed position. (Photo courtesy of Safety Check, Inc.)

The Occupational Safety and Health Administration, (OSHA), makes it clear in 1910.23 This standard clearly states that there is a duty of care for the building owner and manager to protect employees and guests to the building from falls through acceptable means.

The Building Owners and Managers Association of Chicago (BOMA Chicago) Box Lunch Program had a session recently about this topic of rooftop access and security. Discussed were reasons why to have a rooftop access policy. Certainly liability came up. Safety seemed to be inferred by the discussion.

Research shows that many building owners and managers do have rooftop access policies. The policies usually have several key points covered from door access, locks and risk assessments for rooftop activities. Common tools that seem to be in rooftop access policies included:

- **Responsibility** – Who is the owner of the policy? Building General Manager? Chief Engineer? Security?
- **Building & Other Components** – Door locks to rooftop access areas can keep people off the roof. Signage can be used to warn people that the area is off limits. Card access and alarms can help control rooftop access. CCTV placed in the access points and on the roof gives the opportunity to monitor rooftop access areas remotely. Guards can put the access areas on routine rounds. Sign in and sign out sheets can be used with time signed in or out, plus estimated visit length, noted so the person accessing the rooftop can be monitored in case of emergency, inclement weather, building closing, etc. Risk assessments of each roof can be conducted. Plus, building staff can control who gets access to the rooftop.

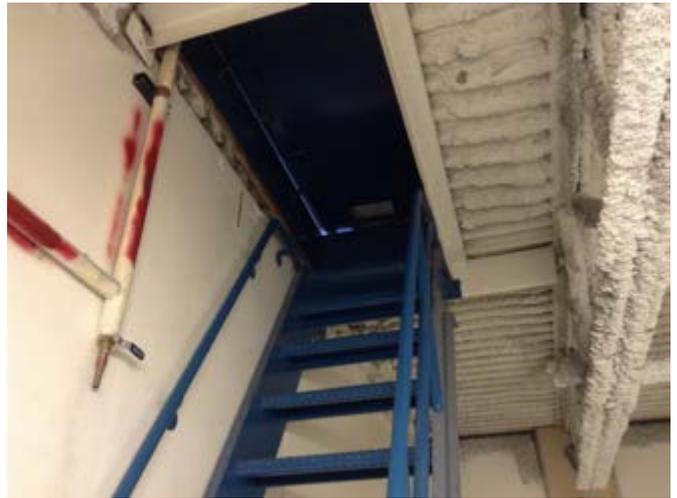
Note: Roofing Contractor personnel who need to survey a rooftop for statement of condition, estimate for roof recover, roof replacement or repairs, all need access to the rooftop. Professional Roofing Contractors carry business cards and government issued ID's to verify that they are who they say they are. They are trained on how to approach a rooftop, including what to stay away from once on top.

- **Access** – Ladders, stairways, rooftop hatches.

- **Emissions** – Exhausts from kitchens, chemicals, manufacturing activities, grease, radar, microwave, cellular phones, radio or TV can all have risks of their own from falling to exposures.
- **Safety Precautions** – Instructions to personnel seem to focus on trip hazards, head protection required or not, walkway restrictions for personnel, rooftop level access, edge protection, trip hazards and ‘openings’ such as skylights in roof assemblies and more.

Recommendations - Roofing contractors should have a policy for prospective and existing client rooftop access. This can be as simple as providing a company issued photo identification card, a business card plus a license or other documents proving that the person is in fact with the roofing company and has authority to access a roof. Roofing Contractors should also have a policy on rooftop visits with procedures for employees to stay safe from not just falls, but other issues as well including emergency egress and more. Look for some suggestions in *CRCA Today's* next issue. 

CRCA's Safety Committee & Staff contributed to this article.



Example of the same hatch from the interior of the building with a fixed ladder. Portable ladders can also be used.
(Photo courtesy of Safety Check, Inc.)

Bibliography:

- Presentation by E. Caspers, EJC24 Security Advisors, BOMA Chicago Brown Bag Program, Nov. 6, 2013.
- OSHA.gov
- University of Arkansas Little Rock, Roof Access Policy.
- Chicago Tribune, Dec. 14, 2012
- Buildings Magazine, Feb. 2, 2015

www.METALDECKSUPPLY.com
On-Line Quoting



- ✓ Metal Deck in Stock for Immediate Use
- ✓ Pick Up or Delivery
- ✓ We Stock "A" Deck
- ✓ Cut to Length
- ✓ 14 Locations

Metal Deck Replacement?

Contact the Experts Today!
800-894-7741 • (Fax) 630-978-7825

PROUD MEMBER



ALBANY, NY • ATLANTA, GA • AURORA, IL
COLUMBUS, OH • FT. WORTH, TX • GREENSBORO, NC • HAGERSTOWN, MD
HOUSTON, TX • INDIANAPOLIS, IN • JACKSONVILLE, FL
KANSAS CITY, MO • KNOXVILLE, TN • SAN ANTONIO, TX • ST. LOUIS, MO

VISIT US AT BOOTH #302

Hand Crafted Roof Tiles
A Time-Honored Tradition



Our Roofs Are Like No Other

- 9 styles and over 200 standard colors - your roof will be unique
- Adds value & resale value to your home
- Lifetime transferable limited warranty



1565 Bohm Dr. Little Chute
1-800-236-8453
www.vrmtile.com

PEOPLE.

PRODUCTS.

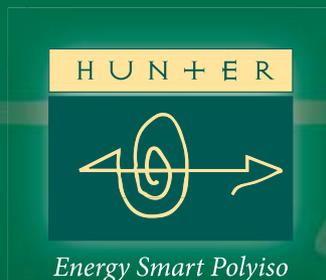
PASSION.

Yep, we got that.

Chances are, you know us. We're Hunter Panels. Since 1998 we've done one thing and done it well; manufacture Polyiso. Not just any Polyiso, mind you. We're known for making some of the most innovative products in the industry. Problem-solving products made with a passion for saving you time and money.

We're also known for our super-savvy customer service team who practice jumping through hoops in their spare time. Seriously. When we say that we'll do whatever it takes to make something happen, it's not lip service. It's our DNA talking. We simply can't help ourselves. (We're too busy helping you!)

Call us and we'll prove it.



888.746.1114 • WWW.HUNTERPANELS.COM

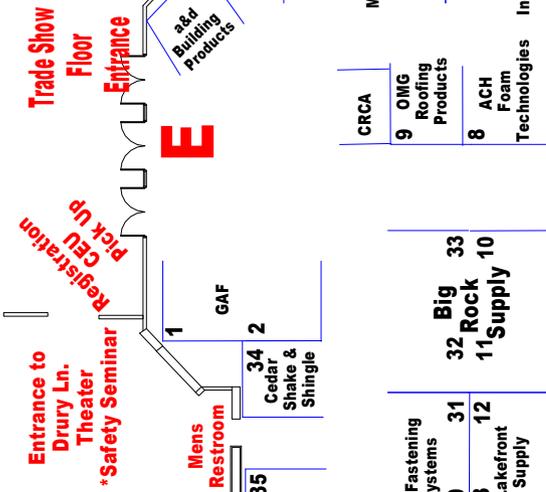
NEW YORK FLORIDA ILLINOIS UTAH TEXAS PENNSYLVANIA WASHINGTON



CRCA Trade Show & Seminars
EXHIBIT HALL FLOOR PLAN
 Drury Lane Conference Ctr.
 January 21-22, 2016

* Located in the Lobby
 ASA Chicago - Lobby 3
 MRCA - Lobby 2
 NRCA - Lobby 1
 CAC-RCI - Lobby 4

Exhibitor Door
 For use only on:
 Wed. arrival 1-5pm
 Thurs. depart 1-3pm



706	Chicago and Roofers JATC	707	Alco Products LLC	708	Hapco	709	608	710	605	506	607	508	609	510	611	512	613	514	615	515	616	516	617	517	618	518	619	519	620	520	621	521	622	522	623	523	624	524	625	525	626	526	627	527	628	528	629	529	630	530	631	531	632	532	633	533	634	534	635	535	636	536	637	537	638	538	639	539	640	540	641	541	642	542	643	543	644	544	645	545	646	546	647	547	648	548	649	549	650	550	651	551	652	552	653	553	654	554	655	555	656	556	657	557	658	558	659	559	660	560	661	561	662	562	663	563	664	564	665	565	666	566	667	567	668	568	669	569	670	570	671	571	672	572	673	573	674	574	675	575	676	576	677	577	678	578	679	579	680	580	681	581	682	582	683	583	684	584	685	585	686	586	687	587	688	588	689	589	690	590	691	591	692	592	693	593	694	594	695	595	696	596	697	597	698	598	699	599	700	600	701	601	702	602	703	603	704	604	705	605	706	606	707	607	708	608	709	609	710	610	711	611	712	612	713	613	714	614	715	615	716	616	717	617	718	618	719	619	720	620	721	621	722	622	723	623	724	624	725	625	726	626	727	627	728	628	729	629	730	630	731	631	732	632	733	633	734	634	735	635	736	636	737	637	738	638	739	639	740	640	741	641	742	642	743	643	744	644	745	645	746	646	747	647	748	648	749	649	750	650	751	651	752	652	753	653	754	654	755	655	756	656	757	657	758	658	759	659	760	660	761	661	762	662	763	663	764	664	765	665	766	666	767	667	768	668	769	669	770	670	771	671	772	672	773	673	774	674	775	675	776	676	777	677	778	678	779	679	780	680	781	681	782	682	783	683	784	684	785	685	786	686	787	687	788	688	789	689	790	690	791	691	792	692	793	693	794	694	795	695	796	696	797	697	798	698	799	699	800	700	801	701	802	702	803	703	804	704	805	705	806	706	807	707	808	708	809	709	810	710	811	711	812	712	813	713	814	714	815	715	816	716	817	717	818	718	819	719	820	720	821	721	822	722	823	723	824	724	825	725	826	726	827	727	828	728	829	729	830	730	831	731	832	732	833	733	834	734	835	735	836	736	837
-----	--------------------------	-----	-------------------	-----	-------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CRCA

33RD ANNUAL TRADE SHOW & SEMINARS

“ROOFING & WATERPROOFING - GET YOUR FACTS STRAIGHT”



As the Chicago Roofing Contractors Association's 2016 President, I invite you to attend and participate in the CRCA Trade Show and Seminars, January 21st and 22nd, 2016. As CRCA Attendees and Exhibitors will tell you, this show continues to deliver quality education and the best in Roofing and Waterproofing Exhibitors in the entire USA. And, CRCA's Exhibit Hall and Seminars on Thursday afternoon and Friday are FREE!

CRCA continues to provide a venue for Roofing and Waterproofing Contractors, Consultants, Manufacturers, Architects, Specifiers, Building Owners and Managers and Building Code Officials to expand their knowledge in technology, safety, products and services, all aimed at developing the highest level of Roofing and Waterproofing Professionalism.

This show continues to build on its national reputation for cutting edge programming through the hard work of Trade Show Committee Members Fred Creed, Rod Petrick, Matt Adler, Greg Dedic, Dave Good, Dave Hamill, Greg Johnson, Ron Quimby, Ross Ridder and Tony Roque. On behalf of CRCA's Trade Show Committee and Board of Directors, a big thanks to the Exhibitors and Sponsors for helping to make this show a continual success.

The 2016 theme, "Roofing & Waterproofing – Get Your Facts Straight", sets the tone for the CRCA's Education Sessions beginning with Thursday's CRCA Roofing Industry Breakfast Seminar prior to the opening of the trade show floor. Attend both Thursday and Friday's seminars to get "the straight facts" on Cold Weather Applications, Steep Slope Ventilation, Design Liability, Code Changes and much more! Contractor owners, superintendents and field personnel won't want to miss Friday morning's Safety Stand Down.

This year's CRCA Trade Show Committee's goal is to offer the educational resources for attendees to develop best practices which will ultimately provide building owners and managers the best roof, waterproofing, insulation and/or air barrier that can be found anywhere.

I invite you to be active in our industry by attending the 2016 CRCA Trade Show & Seminars, joining CRCA as a member and volunteering for a CRCA Committee. Register online today at www.CRCA.org. See you January 21st and 22nd!

George Patterson, Bennett & Brosseau Roofing, Inc., 2015/2016 CRCA President



Drury Lane Conference Center - Oakbrook Terrace, Illinois, January 21-22, 2016

Chicago Roofing Contractors Association
33rd Annual Trade Show & Seminars
EDUCATIONAL SEMINARS



Thursday, January 21, 2016

9:00-11:00 am

**CRCA Roofing Industry Breakfast
"Roofing & Waterproofing -
Get Your Facts Straight"**

The 2016 breakfast panel includes Andre Desjarlais, Matt Dupuis, Peter Kalinger and Stephen Phillips, Esq., setting the tone for this year's education topics - Technical and Legal issues affecting the Roofing and Waterproofing industry, Cold Weather Installations, Steep Slope Ventilation and more.

Crystal Ballroom, PRE-REGISTRATION REQUIRED
Free to Specifiers, Building Owners & Managers
and Building Code Officials. Nominal Charge for
Contractors, Manufacturers and Distributors.

**CRCA Thursday Afternoon Seminars
Crystal Ballroom - Free to all**

1:00-2:15 pm – "Technical Roofing Problems Can Create Legal Issues". CRCA has been following technical issues including roofing over structural light-weight concrete decks with long cure times and moisture issues. Working with construction attorney Stephen Phillips, (Hendrick Phillips Salzman Flatt PC) and Matt Dupuis (Structural Research Inc.), this session will deliver the latest info on structural light-weight concrete, reflectivity, roof insulation facers and the liability to roofing contractors, consultants and specifiers that may result.

3:30-5:00 pm – "Winter Weather Roofing - Cold Hard Facts". In Canada, cold weather is a big factor in roofing as roofing materials perform differently at low temperatures both during application and the service life of the roof assembly. With **Peter Kalinger's**, (Tech. Director for the Canadian Roofing Contractors Assoc.) 40 years of expertise, you won't want to miss this seminar on cold weather application and the knowledge needed to create effective design for optimum roof assembly performance of the building's life cycle in Chicago too.

Cash lunch offered in the Drury Lane Lobby, 11:30 am - 2 pm, \$15

THURSDAY
CRCA TRADE SHOW EXHIBITS OPEN
11:00 a.m. - 6:00 p.m.
\$500 Raffle both days!
Don't miss it!

Friday, January 22, 2016

CRCA Safety Seminar - Drury Lane Theater
Free to all

7:00-9:00 am – "Stand Down for Safety 2016!" Presented by the CRCA / OSHA Safety Alliance, this important seminar is geared for Field Personnel, Foremen, Superintendents and Owners too. With a goal of increasing safety for all, fall protection education reinforces proper use and fit for harnesses, guarding skylights, hoist areas and more. Get Your Safety Facts Straight! Safety Handouts provided in English & Spanish.

CRCA Friday Seminars - Crystal Ballroom
Free to all

7:45-8:45 am – "Ventilation Facts - From Design to Installation". Andre Desjarlais, Oak Ridge National Laboratories will present key information on steep slope ventilation and engineering plus updates from the ORNL's building envelope research.

9:30-10:30 am – "Roofing Claims & Lawsuits – Causes and How to Avoid". Many Roofing Contractors work directly with building owners and managers to configure a new roof when a roof consultant or architect is not hired for design. Hendrick Phillips' **Stephen Phillips, Esq.**, covers legal issues associated with configuration recommendations and addresses the important question, "Does a contractor need an errors and omissions insurance?"

11:15 am-12:15 pm – "The New Code - Get The Facts". Mark Graham, NRCA's Associate Executive Director of Technical Services will present important roofing technical issues including R-Value Testing, 2018 Building Code changes just approved, Energy Code outlook for the next cycle and much more. How do these issues affect the design community and the contractor? Don't miss this important wide reaching seminar so you can plan for the future!

FRIDAY
CRCA TRADE SHOW EXHIBITS OPEN
9:00 a.m. - 1:00 p.m.
All Friday Seminars are Free!

THANK YOU TO THE 2016 CRCA TRADE SHOW & SEMINARS SPONSORS!



33rd ANNUAL CRCA TRADE SHOW & SEMINARS—EXHIBITOR LISTING

3M, 303
 a&d Products LLC, 3
 A.C.T. Metal Deck Supply, 302
 ABC Supply Co., 606,705
 ACH Foam Technologies, 8
 Acme Cone Company, 207
 ADVANCED Architectural Sheet Metal & Supply, 201
 Alco Products, LLC, 701
 All Weather Products, 204
 Allied Building Products, Corp., 506,605
 APOC, 310
 ASA Chicago, Lobby 3
 Atlas Roofing Corp., 808,809
 Barge Terminal Trucking, Inc., 213
 Berridge Manufacturing Company, 23
 Big Rock Supply, 10,11,32,33
 Bitec, Inc., 305
 Bitumar USA Inc., 211
 Blue Ridge Fiberboard, Inc., 507
 Bone Roofing Supply, 35,36
 CAC-RCI, Lobby 4
 Castle Metal Products, 16
 Cedar Shake & Shingle Bureau, 34
 Certainteed Roofing Products, 513
 CHEM LINK Inc., 203
 Chicago Metal Supply & Fabrication, Inc., 510,512
 Chicagoland Roofers JATC, 706
 Chris Industries, 6,7
 Comprehensive Roofing Solutions, Inc.
 - Cant Products Inc., 410
 - International Bildrite, 410
 - MFM Building Products, 412
 - SlimGuard, 410
 Continental Materials, Inc., 807
 Cordeck, 408
 D&P Construction Co. Inc., 307
 DA Sales & Marketing, Inc.
 - CHUTES International, 114
 - Flame Engineering, 114
 Dataforma, 24
 DaVinci Roofscapes, 812
 DECRA Roofing Systems, 816
 DERBIGUM America's, Inc., 401
 Disposal Alternatives, 313
 Durapax, 214
 Duro-Last Roofing Inc., 39

Eco-Roofs, LLC - Green Roof Plant Grower, 707
 EcoStar LLC, 308
 Emergent Safety Supply, 109
 ERSsystems, 501
 Everroof Products, 609
 Fakro America LLC, 208
 FlashCo, 22
 Flex Membrane International Corp., 105
 Gaco Western, 40
 GAF, 1,2
 Garlock Chicago, 312,314,411,413
 Gemco Roofing & Building Supply Inc., 25
 Geocel-Uniflex, 111
 Georgia-Pacific Gypsum, 37
 Giuffre Midwest LLC, 702
 Gulfeagle Supply, 20
 HAPCO, Inc., 708
 Hart & Cooley, 202
 Henry Company, 612
 Houseworks Daylighting Solutions, LLC, 806
 Hunter Panels, 106,108
 IKO Industries, 503
 Industrial Cork Co. Inc., 101,103
 Inland Coatings, 810
 International Leak Detection, 306
 InterWrap Inc., 703,704
 JJ Superior Metal Inc., 38
 Johns Manville, 4,5
 Karnak Corporation, 42,43
 Kemper System America, 210
 Lakefront Supply, 12,13
 Leister Technologies, 311
 LiveRoof, 304
 Lomanco, 18
 MacArthur Co., 811
 Malarkey Roofing Products, 112
 McElroy Metal, 716
 MEP Insulation Recycling, 508
 Mid-States Asphalt, 607
 Midwest Roofing Supply, 714
 MRCA-CERTA, Lobby 2
 NRCA, Lobby 1
 Nord Bitumi, 205
 North Coast / Carlisle, 801-804
 Novagard Solutions, 21
 NPC Colored Sealants, 613

OMG Roofing Products, 9
 Petersen Aluminum Corporation, 28,29
 Pinnacle Sales: Marathon Roofing Products, 404
 Polyglass USA, Inc., 712
 Pro Fastening Systems, Inc., 30,31
 Progressive Materials, 511
 Quality Building Supply Co., 814,815
 Quality Edge, 405
 Quarrx Building Products, 406
 RAINDROP Gutter Guard System, 505
 Richards Building Supply, 509
 RK Hydro-Vac, Inc., 709
 RM Lucas Co., 14,15
 Roofmaster Products Company, 301
 Royal Adhesives & Sealants, 26,27
 Runnion Equipment Company, 614,713
 Safety Check, Inc., 41
 Safety Rail Company, 206
 Sharkskin Roof Underlayments/KBP, 407,409
 Sheet Metal Supply LTD, 718
 Sievert Industries, 817,818
 Sika Sarnafil, Inc., 711
 SJ Mallein Co.: Firestone, 608,610
 Sno-Gem, Inc., 19
 Soprema, 102,104
 Southwind RAS LLC, 209
 TAMKO Building Products, Inc., 402
 Tarco, 107
 The Estimating Edge, 611
 The Winston Group, 805
 Tile Roofs, Inc., 710
 TRS Group: The Brush Man, 212
 TRUFast, 110
 USG Securock Roofing Solutions, 113
 Vac-It-All Services, Inc., 700
 Velocity Roof Vac Service Inc., 309
 VELUX Skylights, 514
 Versico, 414
 W.R. Grace & Co., 17
 WickRight, Inc., 403



Drury Lane Conference Center
 100 Drury Lane
 Oakbrook Terrace, IL
 Located E. of Rt. 83 / S. of Rt. 38,
 N. of Oak Brook Mall



**Chicago Roofing Contractors Association
33rd Annual Trade Show & Seminars
January 21-22, 2016**

REGISTRATION FORM

Company Information (Please print clearly)

Company: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone: (____) _____ Fax: (____) _____
 Main Contact _____

CRCA MEMBER

EXHIBITOR
 ATTENDEE

**EZ On-Line Registration
www.CRCA.org**

Quick and Easy!

BUSINESS DESCRIPTION (check one that best describes)

- Roofing Contractor
- Waterproofing Contractor
- Distributor
- Building Engineer
- Low Slope
- Architect/Specifier/Eng.
- Building Official
- Steep Slope
- Manufacturer
- Roof Consultant
- Fire Marshal
- Manufacturer's Rep
- Building Owner/Mgr./Eng.
- Other _____

**Or Fax Form to 708-449-0837
*required for check payment**

*By attending the 2016 CRCA Trade Show & Seminars, you agree to CRCA's photo release policy. Contact CRCA for more information at info@CRCA.org

Attendee Names **Email for Confirmation & E-Badge**

1. _____ **Vanity City/State for Badge** _____ **Tr. Show & Seminars**
2. _____
3. _____
4. _____

2016 CRCA Roofing Industry
 Thursday, January 21
 Thurs. Bfast - Sold Out!
 Thurs. Seminars & Exhibit Floor
 Other Thurs./Fri. Seminars with Registration!
 Still Available! Included with Registration!
FREE!

2016 CRCA Roofing Industry
 Thursday, January 21
 ▲ ARCA
 ▲ CRCA
 Payment: Register ONLINE
 Card Number: _____
 Email: _____
 Billing Address: _____
 Exp. Date: ___/___/___ Signature: _____
 then mail check to CRCA, 4415 W. Harrison, #436, Hillside, IL 60162

Indicate breakfast attendees above. Questions? Contact CRCA at info@CRCA.org or 708-449-3340 ~ NO CHILDREN ALLOWED ON SHOW FLOOR

OSHA Tips for Safe Snow Removal from Roofs

Compiled by CRCA Staff

The Chicago and Illinois Areas have experienced a very nice, warm 2015 fall. However, winter is here and may be not as nice. Therefore, building owners and managers and roofing contractors need to plan ahead for when snow needs to be removed from rooftops. The US Occupational Safety and Health Administration (OSHA) has some tips for safe snow removal from roofs that should be thought about before the snow starts to fly. Take a moment to review and educate your workers and staffs before the snow starts! The answers to these basic questions can keep your workers safe.

Questions to Ask:

- Can snow be removed without workers going onto the roof?
- Are there any hazards on the roof that might become hidden by the snow and need to be marked so that workers can see them (skylights, roof drains, vents, etc.)?
- How should the snow be removed, based on the building's layout, to prevent unbalanced loading?
- What are the maximum load limits of the roof and how do they compare with the estimated total weight of snow, snow-removal equipment, and workers on the roof?
- What tools, equipment, protective devices, clothing and footwear will workers need?



- What type of fall protection will be used to protect workers on roofs and other elevated surfaces?
- What training will workers need to work safely?
- How will mechanized snow removal equipment be safely elevated to the roof?
- How will you protect people on the ground from snow and ice falling off the roof during removal operations?

Structural Safety

Additionally, snow can add a lot of weight to a structure. The weight of the snow is a variable load according to the International Building Code's Chapter 2 definition. Variable loads come and go, but still need to be planned for how they will be resisted by the structure. Loads can be a big problem if exceeding the capacity of the structure. In cases of extreme snow loads, have the surface inspected by a competent person to determine if structurally safe for workers to access as it may be at the risk of collapse. Snow covered roofs also hide such hazards as skylights that workers can fall through. Electrical hazards may also exist from overhead power lines or snow removal equipment.

Fall Protection Safety

There are also fall protection issues to deal with when it comes to winter operations. Here's what OSHA offers for accessing roofs when snow covers the surface. "If workers access roofs and other elevated surfaces to clear snow:

- Train workers on fall hazards and the proper use of fall protection equipment, as required by 1910.132(f)(1) and 1926.503(a)(1).
- Provide and ensure that workers use fall protection equipment if they are removing snow in areas that are not adequately guarded (e.g., with a guardrail system or cover) as required by STD 01-01-013 and 1926.501(b) (see box: "Information on Fall Protection" and "Note" below.)
- Instruct workers who wear personal fall protection equipment to put on their harnesses and buckle them snugly before mounting the roof.
- Have a plan for rescuing a fallen worker caught by a fall protection system, as required by 1926.502(d)(20).
- Remove or clearly mark rooftop or landscaping features that could become trip hazards.

Cold Weather Safety

OSHA also states that working in cold weather has issues as well. Exposure to cold can cause injury and illness in workers removing snow. Cold exposure can cause frostbite (freezing in the deep layers of skin and tissue) and hypothermia (drop of body temperature to less than 95 F). For information on how to prevent these situations, see OSHA's Safety and Health Guide on Cold Stress below:

Snow Removal Safety

Physical exertion during snow removal can also cause injuries and illnesses. Snow removal can be strenuous, particularly because cold weather can be taxing on the body, and can create the potential for exhaustion, dehydration, back injuries, or heart attacks, and can increase the risk of falls. Make sure that workers take steps to minimize overexertion and help prevent injuries, such as the following:

- Scoop or push small amounts of snow at a time. Use a smaller shovel or take smaller scoops of snow if snow is wet and heavy.
- Use proper form if lifting is necessary; keep the back straight and lift with the legs.
- Do not overload the snowblower; let it operate at a modest speed.
- Take frequent breaks and drink fluids (avoid caffeine or alcohol)

For more information on Winter Safety and your workers, visit https://www.osha.gov/dts/weather/winter_weather/ 



Protecting Workers from Cold Stress

Cold temperatures and increased wind speed (wind chill) cause heat to leave the body more quickly, putting workers at risk of cold stress. Anyone working in the cold may be at risk, e.g., workers in freezers, outdoor agriculture and construction.

Common Types of Cold Stress

Hypothermia

- Normal body temperature (98.6°F) drops to 95°F or less.
- **Mild Symptoms:** alert but shivering.
- **Moderate to Severe Symptoms:** shivering stops; confusion; slurred speech; heart rate/breathing slow; loss of consciousness; death.

Frostbite

- Body tissues freeze, e.g., hands and feet. Can occur at temperatures above freezing, due to wind chill. May result in amputation.
- **Symptoms:** numbness, reddened skin develops gray/white patches, feels firm/hard, and may blister.

Trench Foot (also known as Immersion Foot)

- Non-freezing injury to the foot, caused by lengthy exposure to wet and cold environment. Can occur at air temperature as high as 60°F, if feet are constantly wet.
- **Symptoms:** redness, swelling, numbness, and blisters.

Risk Factors

- Dressing improperly, wet clothing/skin, and exhaustion.

For Prevention, Your Employer Should:

- Train you on cold stress hazards and prevention.
- Provide engineering controls, e.g., radiant heaters.
- Gradually introduce workers to the cold; monitor workers; schedule breaks in warm areas.



How to Protect Yourself and Others

- Know the symptoms; monitor yourself and co-workers.
- Drink warm, sweetened fluids (no alcohol).
- Dress properly:
 - Layers of loose-fitting, insulating clothes
 - Insulated jacket, gloves, and a hat (waterproof, if necessary)
 - Insulated and waterproof boots

What to Do When a Worker Suffers from Cold Stress

For Hypothermia:

- Call 911 immediately in an emergency.
- To prevent further heat loss:
 - Move the worker to a warm place.
 - Change to dry clothes.
 - Cover the body (including the head and neck) with blankets, and with something to block the cold (e.g., tarp, garbage bag). Do **not** cover the face.
- If medical help is more than 30 minutes away:
 - Give warm, sweetened drinks if alert (no alcohol).
 - Apply heat packs to the armpits, sides of chest, neck, and groin. Call 911 for additional rewarming instructions.

For Frostbite:

- Follow the recommendations "For Hypothermia".
- Do not rub the frostbitten area.
- Avoid walking on frostbitten feet.
- Do not apply snow/water. Do not break blisters.
- Loosely cover and protect the area from contact.
- Do not try to rewarm the area unless directed by medical personnel.

For Trench (Immersion) Foot:

- Remove wet shoes/socks; air dry (in warm area); keep affected feet elevated and avoid walking. Get medical attention.

CRCA Industry News

CRCA's Awards Dinner Celebrates Leadership –

Over 200 of CRCA's Membership came together for a great evening Friday, December 4th 2015 to celebrate the end of the season with the CRCA Annual Awards Dinner.

Honored during the evening were:

Clyde Scott Award – The Clyde Scott Award is the highest honor given from the CRCA to a person who exemplifies leadership, and gives time and talent back to the association unconditionally. **Bill Lynch, President, Olsson Roofing, Inc.** was presented the award Friday night. Bill's CRCA activity includes being a CRCA Officer and Director and a Trustee of the Health, Pension and Welfare Funds. He has served on many CRCA committees including being a member of the CRCA Labor Committee that negotiates the Standard Working Agreement with the Contractors and Roofers Local 11.



Chris Adler (left) 2014 Clyde Scott Award Recipient with Bill Lynch, 2015 Recipient (right) (CRCA Photo)

Gold Medal Safety Award – This was presented to Riddiford Roofing Co., in recognition of an outstanding safety record and appreciation of a conscientious effort to promote safe working conditions. *Congrats to George Riddiford and his organization.*



(Left to right) Mark Moran, Knickerbocker Roofing, Gary Menzel, Local 11, with 2015 Safety Award Recipient George and Joe Riddiford, Riddiford Roofing, Marty Headtke, Local 11, Frank Marino, Safety Check Inc. & Mark Duffy, Elens & Maichin Roofing & Sheet Metal (CRCA Photo)

Award of Excellence – Pat Runnion of Runnion Equipment

was presented this award for his dedication to the roofing industry, CRCA, and a commitment to the preservation of the highest standard of ethics and professionalism. CRCA thanked Pat for his many years of service to CRCA and the Roofing Industry.



CRCA Past Pres. Joe McDevitt (left) congratulates 2015 Award of Excellence Recipient Pat Runnion, Runnion Equipment (CRCA Photo)

Associate of the Year – For their continued effort to promote Professionalism, Integrity and Service to the Roofing Industry, **North Coast Roofing Systems** was recognized by the CRCA Contractor Membership for this impressive award.



Kevin Heylin, Laura Ceja, Gloria Eckert, Linda Couto & Greg Dedic accept the 2015 CRCA Associate of the Year Award (CRCA Photo)

CRCA’s New Board of Directors Announced – At CRCA’s November 17 Membership Luncheon and Education Session, CRCA’s new 2016 Board of Directors was announced. The membership elected new Directors, including Ryan Petrick, Ridgeworth Roofing and Jennifer Tripane, Lindholm Roofing, to the Board as well as elected Greg Dedic and Dominic Marino as Associate Directors. Check out the rest of the hard working CRCA Board at the front of this issue of CRCA Today.

CRCA Leaders Participate Locally/Nationally at NRCA, MRCA

CRCA’s Past President Rod Petrick travelled to Washington DC to participate in NRCA’s Fall Meetings. These meetings bring politics to the Roofing Industry through contact with legislators. As NRCA’s Vice President, Rod is able to bring his talents to NRCA.



CRCA’s Executive Director Bill McHugh attended MRCA’s Kansas City Convention in November 2015 with CRCA Members as well. NRCA’s Bill Good was awarded the McCawley Award, MRCA’s highest honor, at the Convention while CRCA Member and MRCA President Larry Marshall presided over the program. Congrats to Bill and Larry.

CRCA MEMBER NEWS

CRCA Contractor Member Showalter Roofing Services Inc., Naperville, IL named Paul Showalter as the company’s new CFO and CJ Martin as the new CEO. Congratulations!



Metalmaster Roofmaster, Inc. announced the promotion of David G. Kozial to Executive VP. This McHenry, IL CRCA Contractor Member is also celebrating its 38th Anniversary, starting in the roofing business in 1994.



Other Member News

- Drexel Metals announced on October 12, 2015 that they have partnered with Autodesk, Inc. to assist architects, building owners and contractors to gain access to complete and detailed information about company products, including 3D viewing options.
- Ecostar announced in October, 2015 that two of its color blends in the Empire State™ and Empire Shake™ product lines; Drifting Dunes and Sea Salt have become ENERGY STAR qualified roof products.
- International Leak Detection and Progeo Monitoring announced in October, 2015 that they have joined forces to launch the Smartex® MX System to the North American roofing and Waterproofing Market.



MRCA’s Presidents Panel forum with Mike Peterson, 2nd from left, delivered great perspectives. Mike is President of Peterson Aluminum. CRCA Photo

- Malarkey Roofing Products announced on November 3, 2015 the new addition to the Ecoasis™ solar reflective shingle line to meet the growing market needs. They also announced earlier in the fall the expansion of their sales team. The Midwest Region added Regional Sales Manager Jim Kellogg, Chicago Rep Nick Cwikla and Michigan Rep Aaron Sprague.
- McElroy Metal announced in November, 2015, the introduction of a new metal roofing option for homeowners and commercial building owners. This new product, the Milan Shingle, can be installed over existing roofs.
- SOPREMA announced the establishment of a scholarship program and will award \$5,000 to seven recipients pursuing degrees in the building envelope fields such as architecture, engineering, construction management and more. *To learn more about these CRCA Member announcements, visit www.CRCA.org today!*

ICC's Code Development Process Kicks off – The International Code Council's **2018 Energy, Fire, and other** code development process starts with submissions due January 10, 2016. Look for CRCA's Industry Affairs and Steep and Shingle Committee to submit several proposals this year to deal with existing buildings in both residential and commercial categories. Also, Bill McHugh participated at the International Code Council's Fire Safety Committee hearings this year.

State of Illinois News

Need to look up the Illinois Roofing License of a Contractor? The Illinois Department of Financial and Professional Regulation announced that the "new and improved" website is now live. This important site is now mobile-friendly and contains tabs to each division. Visit www.idfpr.com, visit the License Lookup tab, enter "Roofing" under the Board and search by Business Name.

Illinois increases Minority and WBE Participation – Senate Bill 1334 was signed by Governor Rauner recently which increases the minority and female owned business goals in state construction projects from 10% to 20%. For a full text of the legislation, visit www.ilga.gov/legislation.



Illinois Energy Advisory Council sends Proposal to JCAR – CRCA's Industry Affairs Committee just completed work at the State of Illinois Energy Advisory Council and Capitol Development Board (CDB) on the 2015 adoption of the International Energy Conservation Code with some important amendments.



CRCA President George Patterson served on the Illinois Energy Advisory Council during this process and helped make a difference in the recommendation from the council. CRCA's Rod Petrick, Tony Roque and Troy Wormley worked together participating in face to face meetings, teleconferences and email discussion for over 18 months.

The results are that in residential occupancies, there are exceptions to the low slope requirement for minimum continuous R-30 requirements. The effective date for the 2015 International Energy Conservation Code to be used in Illinois is for building permits applied for on or after January 1, 2016...and the new R-Value required is R-30 for new construction and existing buildings, unless a variance is granted by the Authority Having Jurisdiction. (See article, this issue).

Illinois is one of three states adopting the new IECC 2015.



Don't miss CRCA's Trade Show & Seminars to learn the real story on this developing item. Visit www.CRCA.org.

City of Chicago Crane Operator Ordinance Regulations – The City of Chicago has extended the compliance date to March 1, 2016 for the new crane operator licensing requirements. CRCA urges members who have boom truck or other crane – hoisting equipment capable of lifting 2,000 lbs. or more, and personnel who operate the equipment, to get them Licensed as required by the areas where they

operate the equipment. Check out the article in this issue of CRCA Today to learn what you need for this important exam. Do you have comments about the City of Chicago's Crane Operator Licensing Program? Email bill@crca.org with what your issues – good and bad – are about the program.



Underwriters Laboratories (UL) announced recently a new requirement of the 2014 National Electrical Code (NEC) that mandates rapid shutdown of photovoltaic systems on buildings. NEC Section 690.12 addressing rapid shutdown protection is intended to reduce potential hazards and limit exposure to energized PV wiring and equipment. This allows emergency responders to perform work outside the energized area of the PV array. The

rapid shutdown equipment is required to be listed and identified for this purpose. Additional information can be at ul.com/productspec. Under "Installation Code", select "NEC 2014" and enter QIJW or QJIS in the category code search field.

UL also announced that a new online user friendly user tool for locating product listings and technical information on UL certifications has been upgraded. A recent improvement to "Product Spec" allows users to "mouse over" design numbers. Test the new system by visiting www.ul.com/productspec, access "Products, Systems & Assemblies", then "Building or Fire", "Roofing" .



MORE IS MORE.

Happy Holidays

ADVANCED VEGETATIVE ROOFING

LOW SLOPE ROOFING

STEEP SLOPE ROOFING

Malarkey Roofing Products® offers a wide range of roofing systems for any job. **More** product variety from Malarkey means **more** quality solutions.

 **Malarkey**
Roofing Products®

Learn more about Malarkey Roofing Products® at:
WWW.MALARKEYROOFING.COM

Safety 101: Harness Edition

By Jay Wilkin

In 2010, the Bureau of Labor Statistics (BLS) reported that 751 construction workers died on the job. Thirty-Five of those fatalities resulted from falls. In 2014, fall protection was the most cited standard by the Occupational Safety and Health Administration (OSHA*) to help in the fight against those numbers, we are drawing your attention to an important piece of life-saving fall protection equipment: *"The Harness"*.

When outfitting workers with safety harnesses, you'll need to consider three things: *Function, Features and Fit*. The function and features are determined by considering your application. Tower climbing, construction, wind energy, arc flash and welding are just a few examples of harnesses that are designed for specific industries.

Begin with how many confined space rings you'll need. At a minimum, you're picking a "Back-D" (for fall arrest) but you can expand that to include "Side-D" (for work positioning only) or "Front-D" (for fall arrest, work positioning, rescue, and ladder climbing). D-Rings come in uncoated steel, aluminum (standard), PVC coated steel and aluminum (more common for Arc applications).

Moving to the padding, this is an optional feature that makes the harness more comfortable to wear. Padding can be applied in various locations such as: back/hip, shoulder/back/hip or shoulder/back/leg. If your workers wear them every day for hours on end, look for



Emergent Safety Supply Photo

lighter, breathable lining as it is worth the investment. Next, draw your attention to the webbing. Available in Polyester, Nomex/Kevlar, or Nylon, your choice depends on the application.

If your team is working in arc flash for example, they will need a material other than the standard polyester like Nomex/Kevlar. For buckles used to secure the legs, waist and chest, select those based on budget and/or preference: Tongue Buckle (similar to your everyday belt), Pass-Thru/Mating (least expensive) or Quick Connect (easiest to use, can be released with one hand).

Other features in the marketplace include: Trauma Straps (reduces trauma from a high fall by strapping the leg), Lanyard Keepers (Secures the hooks of lanyards to avoid tripping) and Seat Slings (provides comfort, typically in tower-climbing scenarios).

Fit is crucial and best achieved by following these important steps:

1. Have your workers grab the harness by the Back-D and shake (the harness, not their body).
2. Release all buckles and slip the harness on so the D-Ring is in the middle of the back between the shoulder blades.
3. Connect the waist strap so it's tight but not binding.
4. Pull the left leg strap between the left leg and right leg. Connect it to the opposite end of the leg strap. Repeat these steps on the right leg. These straps should be tight enough for only two fingers to fit between the legs and the straps.
5. Connect the chest strap so the buckle is in the middle of the chest. Tighten strap until taut.

Prior to use each day, the user is required to inspect their personal full body harness. Remember these various steps:

- **Check the Webbing:** Bend webbing in a "U" shape to look for frayed edges, broken fibers, pulled stitches, cuts, burns and chemical damage. There should be no extra holes in the webbing or sharp edges that might snag it, causing it to fray.



THE SMARTER WAY TO PROTECT YOUR ROOF

PROGEO Smartex® It's pure genius.

Smartex® is the flat roof monitoring system you've been waiting for... It tracks waterproofing integrity 24/7, detects leaks in real time, issues immediate alerts when a breach occurs, and pinpoints the exact location for repair. It's the only product of its kind on the market. And now, it's available in North America through ILD.

Contact us today for more info.



S M A R T E X ®



TRUSTED BY THE BEST.

Toll Free: 1.866.282.5325
info@leak-detection.com

- **Inspect the D-Ring** for distortion, cracks, rough or sharp edges and ensure it moves freely.
- **Inspect the Buckles** by looking for any unusual wear and make sure there are no frays, cuts or broken stitches where the buckles attach to the webbing. The tongue buckles or grommets of the harness should not be distorted or broken.
- **Fall Indicators:** If the harness has its fall indicator out, inspect the harness for signs of activation as it may have encountered a fall. If *any* of these concerns show up, take it out of service ASAP.

However, all of this knowledge is for naught if the equipment is not being cared for properly. Maintain the cleanliness of the harness by using lukewarm water with dish soap. Be sure to rinse the harness completely of the soap *before* allowing it to dry.

NEVER STORE IT WET... Store the dry harness in a cool, dry, dark area away from chemicals, corrosives, high humidity, sharp objects, and UV light/radiation. (PRO TIP: Hang it by the D-Ring when not in use to help the harness keep its shape.)

Always ask yourself when selecting fall protection, or any PPE really, "What are we doing with it? What



Emergent Safety Supply Photo

features does it need to have? Does it fit the teammate using it? How do we keep it in good shape?"

Knowing the answers to these questions help ensure the right equipment is available and worn to keep your workers safe while getting the job done. 

Jay Wilkin is a Safety Specialist with Emergent Safety Supply, a Woman Business Enterprise based in Batavia, Illinois. Jay has worked in the safety industry for three years with certifications in: Fall Protection, Confined Space and Gas Detection. He can be reached at jwilkin@emergentsafety.com. (For a free harness inspection guide, visit the "Downloads" section of www.emergentsafety.com under "Resources".)

*Source: www.OSHA.gov.

EMERGENCY SAFETY SUPPLY

NEW NAME. NEW LOOK. SAME FOCUS ON SAFETY.

At Emergent Safety Supply, our passion is safety. We are your trusted source for safety supplies, solutions and services so you're always prepared.



Formerly **Safety Supply Illinois**.
Recently acquired **ANI Safety**.

Visit us at: emergentsafety.com
Call us Toll Free: 800.877.1390
See us at: 1055 Kingsland Dr.
Batavia, IL 60510



Like us on Facebook

Follow us on Twitter @EmergentSafety



Full Service Roofing Contractor
Complete Roof Replacements
Re-Roofing Preventative Maintenance
Roof Leak Investigations
Emergency Repairs
Inspections & Evaluation Reports



40 YEARS OF
DEDICATION, QUALITY
& UNMATCHED
EXPERTISE.

708-598-0039
RidgeworthRoofing.com

CRCA Contractor Members

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

- | | | |
|---|---|--|
| A+ Home Remodeling Co., Inc.(630) 227-1111 | Anthony Roofing Tecta America LLC ..(630) 898-4444 | Clark Roofing Co.(708) 681-2200 |
| A-1 Roofing Co.(847) 952-3600 | Apex Exteriors, Inc.(847) 531-8960 | Coleman Roofing, Inc.(708) 755-6800 |
| Active Roofing Co., Inc.(773) 238-0338 | Avondale Roofing, Inc.(847) 714-9200 | Combined Roofing Services LLC(630) 231-4422
(708) 596-9600 |
| Adams Roofing Professionals, Inc.(847) 364-7663 | Bald Eagle Construction, Inc.(773) 505-1055 | Complete Building Maintenance Co.(630) 932-7890 |
| Adler Roofing and Sheet Metal, Inc.(815) 773-1200 | Bennett & Brosseau Roofing, Inc.(630) 759-0009 | Countryside Roofing,
Siding & Windows, Inc.(847) 221-5600 |
| Advanced Roofing &
Woodworking, Inc.(630) 231-7663 | Biofoam Inc.(866) 356-3626 | Crawford Roofing Experts, LLC(708) 385-5555 |
| Air Pressure Damp Proofing(847) 394-4100 | Blue Sky Roofing, Inc.(773) 237-7730 | Crowther Roofing &
Sheet Metal & HVAC(815) 726-2400 |
| All American Exterior Solutions(847) 438-4131 | Brian Allendorfer Co., Inc.(773) 292-0600 | DCG Roofing Solutions Inc.(847) 296-6611 |
| All Sealants, Inc.(708) 720-0777 | R.E. Burke Roofing Co., Inc.(847) 675-5010 | DFC Roofing, Dyna-Flow Corporation .(630) 289-2224 |
| Allendorfer Roofing Co., Ltd.(773) 463-7808 | C.P.R. Roofing, Inc.(815) 399-6989 | |
| Anderson & Shah Roofing Inc.(815) 741-0909 | Care Sheet Metal & Roofing, Inc.(708) 387-9784 | |
| | Century Roofing(708) 385-3621 | |



Everything you need
for your roofing job...

- Gutters
- Downspouts
- Elbows/Offsets
- Gutter Accessories
- Architectural Brake Metal
- Standing Seam Roof Panels

From One Place!

Call 231-861-0050

Click advarchsm.com
info@advarchsm.com

Nationwide Shipping Available



CRCA Contractor Members

Distinctive Roofing, Inc. (815) 986-0831
Domain Corporation (773) 628-0001
Dunne Roofing Company (847) 696-1643
DuSable Construction Co...... (773) 463-9290
Elens & Maichin Roofing & Sheet Metal, Inc...... (815) 727-2689
F&G Roofing Company, LLC..... (708) 597-5338
F. E. Rooftec Corporation..... (847) 455-4766
Feze Roofing, Inc...... (630) 530-5944
Filotto Construction..... (815) 740-5461
Freeport Industrial Roofing..... (815) 235-5350
Galewood Tuckpointing & Roofing Co., Inc...... (708) 452-7900
H.C. Anderson Roofing Company, Inc. (815) 624-4129
Huebner Roofing Inc...... (630) 257-9394
Illinois Home Improvement Corp. (773) 794-1400
J. P. Larsen, Inc...... (708) 293-7662
Jones & Cleary Roofing / Sheet Metal Co., Inc...... (773) 288-6464
Lawrence W. Keefe & Company Inc. (847) 304-1877
Knickerbocker Roofing & Paving Co., Inc...... (708) 339-7260
Knorr & Myers Roofing Co...... (815) 654-1878
Korellis Roofing, Inc...... (219) 844-1400
Kremer & Davis, Inc...... (630) 699-5997
L. Marshall Roofing & Sheet Metal, Inc...... (847) 724-5400
Langlois Roofing, Inc...... (815) 933-8040
LEAK STOP Roofing, Inc...... (847) 719-2775
Licitra Roofing Inc...... (708) 485-4848
Lindholm Roofing..... (773) 283-7675
Local Roofing Co., Inc...... (847) 244-0500
M. Cannon Roofing Company, LLC..... (847) 519-0698
M. W. Powell Company..... (773) 247-7438
Malcor Roofing of Illinois, Inc...... (630) 896-6479
Matthews Roofing Company, Inc...... (773) 276-4100
McDermaid Roofing & Insulating Company..... (815) 963-8458
Metalmaster Roofmaster..... (815) 459-6415
MidAmerica Roofing, Inc...... (630) 759-7500
Mortenson Roofing Co., Inc...... (815) 464-7300
Nations Roof LLC..... (630) 607-6900
NIR Roof Care, Inc...... (800) 221-ROOF
Nombach Roofing & Trucking..... (708) 388-1090
Norton Sons' Roofing Company, Inc. (630) 257-8180

Olsson Roofing Company, Inc...... (630) 892-0449
ONeill Contractors, Inc...... (773) 774-2029
Peterson Roofing, Inc...... (847) 590-5290
Pine Roofing Company..... (773) 539-9595
Pine Waterproofing & Sealants..... (847) 678-5700
Preservation Services, Inc...... (815) 407-1950
Pro-Tech Roofing Inc...... (847) 759-1970
Prusak Construction & Roofing, Inc... (708) 422-2624
R. B. Crowther Company..... (815) 942-6623
R. Commercial Roofing Solutions.. (847) 995-0555
Raincoat Roofing Systems, Inc...... (708) 681-5757
Riddiford Company, G.E...... (847) 437-5771
Ridgeworth Roofing Co., Inc...... (708) 598-0039
Roofing Systems, Inc...... (815) 654-9540
Roofs, Inc...... (708) 447-9300
Sager Sealant Corporation..... (708) 354-9300
Seal Tight Exteriors, Inc...... (708) 755-3555
Showalter Roofing Service Inc...... (630) 499-7700
SMART Roofing, Inc...... (773) 992-5100

Solaris Roofing Solutions, Inc...... (630) 639-5400
Stan's Roofing & Siding..... (708) 448-4100
Sterling Commercial Roofing..... (815) 626-7744
Stewart Roofing Company..... (773) 264-1754
Style Construction Inc...... (847) 934-9690
Sullivan Roofing Inc...... (847) 908-1000
Tidwell Roofing & Sheet Metal..... (847) 437-2710
Tolberts Roofing and Construction Services, Inc...... (708) 389-7779
Trela Roofing & Remodeling..... (708) 422-7204
Trinity Roofing Service, Inc...... (708) 385-7830
Unified Roof Restoration Inc...... (708) 788-2019
Union Roofing Co., Inc...... (815) 945-2141
W.B.R. Roofing Company, Inc...... (847) 487-8787
Waukegan Roofing Company, Inc. (847) 623-1625
Weatherguard Roofing Company .. (847) 888-3008
Windward Roofing & Construction Inc...... (773) 628-6580



Firestone and SJ Mallein Co. are proud to introduce Firestone UltraPly TPO and RubberGard EPDM with SecureBond SA Technology...

THE BEST self-adhering membranes in the industry.

Request more information at:
info@sjmallein.com

SJ Mallein Co.

Authorized Firestone Reps- Chicago 630-570-0301

CRCA Associate Members

The Associate Members of the Chicago Roofing Contractors Association are a vital part of the association and actively support the activities. Besides their generosity, they are represented on the CRCA Board of Directors, Co-Chair the Membership and Trade Show Committees and serve on the Health & Safety, Contracts & Insurance, Industry Affairs, Program and Scholarship Committees."

3M(651) 736-6076	ADVANCED Polymer Technology Corporation(724) 452-1330	Atlas Roofing Corporation(800) 677-1476
A & D Products(630) 921-2022	ALCO PRODUCTS, LLC(313) 823-7500, x101	Barge Terminal Trucking, Inc.(630) 499-5565
A. C. T. Metal Deck Supply(630) 978-7800	All Weather Products, Inc.(630) 655-3555	Barrier Corp.(847) 921-3491
ABC Supply Company, Inc.	Allied Building Products Corp.	Berridge Mfg. Co.(800) 488-7415
Alsip(708) 396-1414	Arlington Hts.(847) 357-0433	Big Rock Supply(630) 350-2300
Aurora(630) 844-1700	Chicago/84th(773) 873-2300	Bitec, Inc.(501) 354-8585
Cicero(708) 222-8222	Chicago/Pulaski(773) 772-6500	Bitumar Inc.(410) 610-5953
Joliet(815) 723-9880	Oak Forest(708) 802-6123	Blue Ridge Fiberboard, Inc.(866) 850-8834
Mundelein(847) 949-2440	Tri-State Wholesale HH(708) 599-9770	Bone Roofing Supply, Inc.(773) 237-9740
W. Chicago(630) 293-1222	Tri-State Wholesale WC(630) 513-0505	Carlisle SynTec Systems(800) 479-6832
Wauconda(847) 487-7810	Another Plumbing Company LLC(815) 475-5988	Castle Metal Products(847) 806-4540
ACH Foam Technologies(920) 924-4050	APOC(484) 886-0522	Cedar Shake & Shingle Bureau(604) 820-7700
Acme Cone Company, LLC(866) 516-4079	Arvinyl Laminates, LP(951) 371-7800	Certainteed Roofing Products(630) 235-1807
Adroit Marketing, Inc.(630) 885-5447	Atlas EPS (A Division of Atlas Roofing Corp)(630) 697-6475	CHEM LINK Inc.(800) 826-1681, x204
ADVANCED Architectural Sheet Metal & Supply(877) 756-4890		Chicago Metal Supply & Fabrication(773) 227-6200
		Chris Architectural Metals(847) 729-9292

SIZE IS NO BARRIER



CALL 800-875-1392 TODAY FOR YOUR COMPETITIVE ESTIMATE!

- Fast, Efficient, Turn-Key
- Professionally Supported
- Proven and Cost-Effective
- Guaranteed Success

LiveRoof.com
sales@liveroof.com



BLACK GOLD

ORO NEGRO™

LIQUID RUBBER FLASHING CEMENT
Cemento Con Líquido de Hule



- Bonds Underwater
- E-Z Spread Formula
- Lasting Rubberized Repair
- Use in Hot, Cold, Wet or Dry

APOC
The Choice of Top Professionals

(773)484-8634
www.apoc.com

CRCA Associate Members

Classic Gutter Systems LLC.....(269) 665-2700
CLEANWRAP Interior Protection Systems.....(888) 597-3334
CNA Insurance Lombard/Chicago.....(630) 719-3006
Columbia Green Technologies.....(503) 964-3218
Columbian Agency.....(815) 485-4100
Comprehensive Roofing Solutions Inc......(815) 498-9485
Continental Materials, Inc......(651) 788-6547
Cordeck.....(262) 857-3000
Creative Sales Source.....(847) 350-9372
Crissie Insurance Group.....(847) 296-0655
D & P Construction Co., Inc. Roll Off & Recycling.....(708) 338-3534
DA Sales & Marketing, Inc......(630) 370-7747
Dataforma, Inc......(866) 764-9992
DaVinci Roofscapes.....(913) 599-0766
DECRA Roofing Systems.....(800) 258-9740, x189
Delta-Therm Corp......(800) 526-7887
DERBIGUM Americas, Inc......(708) 380-5045
Disposal Alternatives.....(617) 975-2000
Division 7-23 Group, LLC.....(414) 645-8400
D-MAC Industries, Inc......(800) 878-3622
Drexel Metals Inc......(888) 321-9630
DSP Insurance Services, Inc......(847) 934-6100
Durapax.....(610) 579-9075
Duro-Last Roofing, Inc. (Chicago).....(309) 912-0286
Eagle Roofing Products.....(407) 235-5133
Eagleview-Pictometry.....(866) 659-8439, x5561
ECO-Roofs, LLC.....(269) 471-7408
EcoStar LLC.....(800) 211-7170
Emergent Safety Supply.....(630) 406-9666
Encite Development Group, Inc./ FSC Control.....(815) 345-4282
Epilay Inc......(310) 320-6300
ERS Excellence in Roofing Solutions.....(630) 675-8305
ERSystems, Inc......(800) 878-7876
Everest Systems LLC.....(763) 333-4839
Everroof Products.....(702) 966-9961
FAKRO Skylights and Insulated Attic Ladders.....(630) 543-1010
FlashCo Manufacturing Inc......(707) 824-5858
FleetMatics.....(866) 844-2235
Flex Membrane International Corp......(610) 916-9500
Followup Power.....(888) 552-4442
Gaco Western.....(262) 951-0237
GAF Materials Corporation.....(630) 296-1969
Garlock Chicago.....(630) 521-9645
Garth Building Products & Services Corp......(708) 757-6733
Gemco Roofing & Building Supply.....(708) 544-1444
GenFlex Roofing Systems.....(815) 519-2350

Geocel.....(800) 348-7615
Georgia-Pacific Gypsum LLC.....(404) 652-2592
Giuffre Brothers Cranes.....(708) 656-9200
Gulfeagle Supply.....(630) 773-0997
Hapco Inc......(800) 345-9353
Hart & Cooley.....(800) 624-8642
Henry Company.....(513) 300-2663
Hines Supply.....(847) 353-7700
Houseworks Daylighting Solutions, LLC.....(847) 729-0255

Hunter Panels.....(888) 746-1114
IKO Sales.....(847) 401-1489
Illinois Custom Copper Install Copper & Sheet Metal Fabrication.....(708) 825-5509
Industrial Cork Company, Inc......(630) 832-2803
Industrial Heat Sources.....(800) 635-0384
Inland Coatings.....(515) 993-4251
Insulation Plus.....(630) 948-4830
Interior Protection Inc......(630) 530-4920
International Bildrite, Inc......(800) 641-2453



The Leading Brands... When You Need Them!



Over the years Industrial Cork Co. has gained a reputation for delivering contractors quality products, competitive pricing and premier customer service. This expertise maximizes customers' investment in new or re-roofing projects. Our service to you only begins with the delivery of your order. Corco's dedication to delivering project management for complicated jobs adds real value to doing business with us. We're there on-site to ensure your job runs smoothly.

- Full-Time Engineering Staff
- Extensive Inventory Of Specialty Building/Roofing Products
- Fast Delivery To Your Job Site
- Personalized Project Management



848 Larch Avenue, Elmhurst, IL 60126 • www.corco.org
 ph: 630.832.2803 fax: 630.832.2837

CRCA Associate Members

International Leak

Detection, LLC.....	(866) 282-LEAK (5325)
IR Analyzers/Vector Mapping.....	(800) 879-1964
JJ Superior Sheet Metal.....	(708) 544-3757
Johns Manville Roofing Systems.....	(224) 325-2524
Karnak Corporation.....	(732) 388-0300
Kemper System.....	(630) 442-4997
Kirsch BP/Sharkskin Roof	
Underlayments.....	(805) 750-0084
Lakefront Roofing Supply.....	(773) 509-0400
Lakeshore Recycling Systems.....	(773) 681-8811
Latchways Fall Protection.....	(888) 250-8357
Leister Technologies.....	(630) 760-1000
LiveRoof, LLC.....	(800) 875-1392
Lomanco, Inc.....	(800) 643-5596
Long Supply - Sheet Metal.....	(847) 922-8487
R. M. Lucas Company.....	(773) 523-4300
MACK Construction Services, LLC.....	(773) 525-3411
Malarkey Roofing Products.....	(847) 909-7010
McElroy Metal, Inc.....	(219) 221-2497
MEP Insulation Recycling.....	(317) 894-2763
Microgrid Energy, LLC.....	(888) 734-3033
Mid-States Asphalt.....	(630) 730-1689
Midwest Roofing Supply.....	(630) 637-0750
Mold Solutions.....	(815) 469-8877
Mule-Hide Products Co., Inc.....	(815) 641-8548
MVP Sales & Marketing.....	(219) 712-0099
Nord Bitumi.....	(478) 741-0088
North Coast Roofing Systems	
Des Plaines.....	(847) 795-9378
Glendale Heights.....	(630) 790-3400
Novagard Solutions.....	(800) 380-0138
NPC Colored Sealants.....	(708) 681-1040
OMG Roofing Products.....	(800) 633-3800
Petersen Aluminum Corporation.....	(847) 228-7150

Pinnacle Sales Corporation.....	(262) 514-2181
Polyglass U.S.A, Inc.....	(773) 844-6684
Prairie State Exterior Products.....	(708) 754-9339
Pro Fastening Systems Inc.....	(847) 577-7185
Progressive Materials.....	(812) 725-5833
PROSOCO, Inc.....	(847) 736-4002
Quality Building Supply Company.....	(773) 237-4436
Quality Edge.....	(630) 730-6658
Quarrix Building Products.....	(763) 540-9719
Raindrop Gutter Guard.....	(800) 816-0199
RainTrade Corporation.....	(847) 283-0006
Raisman Catastrophe	
Claims Group.....	(888) 556-HAIL (4245)
Richards Building Supply Company	
Calumet City.....	(708) 891-2211
Chicago/Belmont Ave.....	(773) 499-7177
Corporate.....	(773) 586-7777
Riordan & Scully Insurance Service LLC.....	(630) 468-5400
Roofmaster Products Company.....	(800) 421-6174
Roxul USA.....	(317) 504-3837
Royal Adhesives & Sealants.....	(630) 465-1987
Runnion Equipment Company.....	(708) 447-3169
Safety Check, Inc.....	(815) 475-9991
Safety Rail Company LLC.....	(888) 434-2720
Schwab Group, LLC.....	(630) 326-9444
Sexton Properties R.P. LLC.....	(224) 212-1250
Sheet Metal Supply LTD.....	(847) 478-8500
Sievert Industries, Inc.....	(815) 639-1319
Sika Sarnafil.....	(800) 532-5123, x7222
SJ Mallein Company, Inc.....	(630) 570-0301
Sno Gem, Inc.....	(815) 477-4367
Soprema, Inc.....	(630) 835-7273
Southwind RAS, LLC.....	(630) 233-5700
TAMKO Building Products Inc.....	(800) 641-4691
Tarco.....	(800) 365-4506

The Estimating Edge, LLC.....	(561) 276-9100
The Winston Group Ltd.....	(630) 231-0419
Tile Roofs, Inc.....	(888) 708-8453
Titanium by InterWrap Inc.....	(778) 945-2888
TMJ Architectural, LLC.....	(224) 281-1629
TRS Group.....	(815) 521-1194
TRUFAST.....	(800) 443-9602
TuffWrap Installations.....	(312) 550-8533
UNIFLEX Fluid Applied Roof Systems.....	(847) 553-1849
United States Gypsum.....	(312) 961-9935
Velux America.....	(864) 941-4770
Versico.....	(800) 992-7663
W. R. Grace & Company.....	(800) 354-4656
Weible & Cahill.....	(630) 245-4600
WickRight, Inc.....	(312) 720-1467
Willis of Illinois.....	(312) 288-7185
XL Insurance.....	(312) 315-9436

Architects & Roof Consultants

Building Technology Consultants, PC.....	(847) 454-8800
Century Roof Consultants.....	(847) 202-8500
Flood Testing Labs, Inc.....	(773) 721-2200
Illinois Roof Consulting Associates Inc.....	(815) 385-6560
Interstate Roof Systems	
Consultants, Inc.....	(847) 695-1460
K2N Crest.....	(630) 990-9595
Kellermeyer Godfryt Hart, P.C.....	(847) 318-0033
Klein and Hoffman, Inc.....	(312) 251-1979
Legat Architects.....	(630) 645-1906
STR Building Resources LLC.....	(847) 952-9668

Vacuuming

Dietz Vacuum Service, Inc.....	(708) 301-9127
Great Lakes Power Vac LLC.....	(262) 542-5542
RK Hydro-Vac, Inc.....	(800) 754-9376
Vac-It-All Services, Inc.....	(314) 487-5600
Velocity Roof Vac Service Inc.....	(630) 936-2421

M.W. Powell Company
 Established 1847
 Certified MBE Contractor

CRCA Member
 NRCA Member
 MRCA Member
 HACIA Member

*All types of low slope roofing
 High-Rise work
 Vegetative Roof Systems
 Architectural Sheet Metal*

3445 S Lawndale Ave
 Chicago, IL 60623
 P: 773-246-7438
 F: 773-247-7441
 Illinois Licence #104.000206

Industry Calendar

January 21–22, 2016

CRCA Trade Show & Seminars
Drury Lane
Oakbrook Terrace, IL
www.CRCA.org

February 9, 2016

CRCA Educational Program—IECC 2015 and You
Location TBD

February 17–19, 2016

International Roofing Expo
NRCA Convention
Orlando, FL
www.theroofingexpo.com

February 23, 2016

CSI Building Enclosure Event
Maggiano's Little Italy, Chicago
www.chicago.csinet.org

March 7–8, 2016

Construction Expo & Safety Conference
Drury Lane Conference Center
Oakbrook Terrace
www.buildsafe.org

March 8, 2016

CRCA Membership Luncheon & Education Session*
Maggiano's Little Italy
www.CRCA.org

March 22, 2016

CRCA Educational Program—Understanding
Contract Basics & Risk Transfer

March 22, 2016

CSI Chicago Chapter Meeting
Union League Club, Chicago
www.Chicago.csinet.org

April 4, 2016

CRCA Emerging Leader Event
Topic: Industry Trends / Technology
www.CRCA.org

April 16–27, 2016

ICC Committee Action Hearings – Cycle B
Louisville, KY
www.ICCSAFE.org

April 21–22, 2016

RCI Waterproofing Educational Program
Chicago Marriott Oak Brook
www.cac-rci.org

May 17, 2016

CRCA Scholarship Dinner*
Maggiano's Little Italy
www.CRCA.org

July 14, 2016

CRCA Industry Day Golf Outing*
Silver Lake CC, Orland Park
www.CRCA.org

August 17–20, 2016

NAWIC 61st Annual Meeting &
Education Conference
Grand Hyatt San Antonio
San Antonio, TX
www.nawicconvention.org

Sept. 13, 2016

CRCA Membership Luncheon & Education Session*
Maggiano's Little Italy
www.CRCA.org

Oct. 4, 2016

ALA MW Architecture Conference
Drury Lane Conference Center
Oakbrook Terrace
www.alatoday.org/

Oct. 16–25, 2016

ICC Annual Conference and
Public Comment Hearings
Kansas City
www.ICCSAFE.org

Oct. 31–Nov. 2, 2016

MRCA Conference
Columbus, OH
www.mrca.org

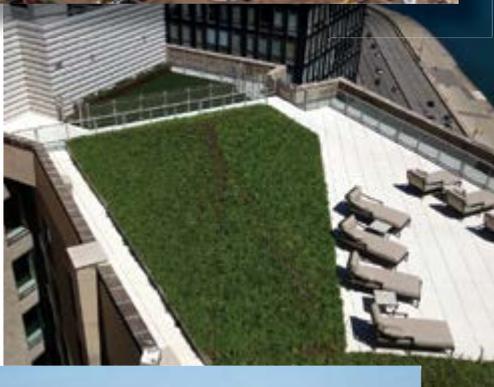
Nov. 15, 2016

CRCA Membership Luncheon & Education Session*
Maggiano's Little Italy
www.CRCA.org

Dec. 2, 2016

CRCA Awards Dinner*
Location TBD
www.CRCA.org

**Event is for CRCA Members and their guests. Visit www.CRCA.org for membership information.*



**Calling all Roofing Contractors,
Architects/Specifiers, Roof
Consultants, Building Officials,
Building Owners & Managers,
Manufacturers and Reps!**

It's Roofing Week in Chicago!

The Roofing Industry from Chicagoland,
Illinois and Beyond will gather at

**CRCA's 33rd Annual Trade Show & Seminars
January 21 & 22, 2016 at Drury Lane
Conference Center, Oakbrook Terrace, IL**

Register at www.CRCA.org

Free Admission to Exhibit Hall

**Free Educational Sessions / All registered
with AIA, ALA and RCI**

Seminar topics range from Cold Weather
Application to Design Liability to Upcoming
Code Changes for low and steep slope
applications.

Don't Miss the Pre-Show Roofing Industry
Breakfast! Visit www.CRCA.org for more info.

**CHICAGO ROOFING
CONTRACTORS ASSOCIATION**

708-449-3340 • <http://www.CRCA.org>