



# SHEAR BULL



Palm Beach County Roofing & Sheet Metal Contractors Association

Affiliate of FRSA and NRCA

June 2015 Volume 28 - 6

## Upcoming Program

### FRSA Convention

FRSA's 93rd Annual Convention and the Florida Roofing & Sheet Metal Expo

July 16-18, 2015

Hyatt Regency Orlando & Orange County Convention Center, Orlando, FL

FRSA's convention consists of three full days of education, networking, family fun, sports, and friends along with two days of FRSA's highly recognized trade show, the Florida Roofing & Sheet Metal Expo.

The theme for 2015, "Building on a Strong Foundation," will focus on FRSA member services.

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## 7 Urgent Security Protections Every Business Should Have In Place Now!

Cybercrime is at an all-time high, and hackers are setting their sights on small and medium businesses who are "low hanging fruit." Don't be their next victim! This report will get you started in protecting everything you've worked so hard to build.

**Are you a Sitting Duck?**



You, the CEO of a small business, are under attack. Right now, extremely dangerous and well-funded cybercrime rings in China, Russia and the Ukraine are using sophisticated software systems to hack into thousands of small businesses like yours to steal credit cards, client information, and swindle money directly out of your bank account. Some are even being funded by their own government to attack American businesses.

**Don't think you're in danger because you're "small" and not a big target like a J.P. Morgan or Home Depot?** Think again. 82,000 NEW malware threats are being released every single day and HALF of the cyber-attacks occurring are aimed at small businesses; you just don't hear about it because it's kept quiet for fear of attracting bad PR, lawsuits, data-breach fines and out of sheer embarrassment.

In fact, the National Cyber Security Alliance reports that one in five small businesses have been victims of cybercrime in the last year – and that number is growing rapidly as more businesses utilize cloud computing, mobile devices and store more information online. You can't turn on the TV or read a newspaper without learning about the latest online data breach, and government fines and regulatory agencies are growing in number and severity. Because of all of this, it's critical that you have these 7 security measures in place.

**1. Train Employees On Security Best Practices.** The #1 vulnerability for business networks are the employees using them. It's extremely common for an employee to infect an entire network by opening and clicking a phishing e-mail (that's an e-mail cleverly designed to

look like a legitimate e-mail from a web site or vendor you trust). If they don't know how to spot infected e-mails or online scams, they could compromise your entire network.

**2. Create An Acceptable Use Policy (AUP) – And Enforce It!** An AUP outlines how employees are permitted to use company-owned PCs, devices, software, Internet access and e-mail. We strongly recommend putting a policy in place that limits the web sites employees can access with work devices and Internet connectivity. Further, you have to enforce your policy with content-filtering software and firewalls. We can easily set up permissions and rules that will regulate what web sites your employees access and what they do online during company hours and with company-owned devices, giving certain users more "freedom" than others.

Having this type of policy is particularly important if your employees are using their own personal devices to access company e-mail and data.

If that employee is checking unregulated, personal e-mail on their own laptop that infects that laptop, it can be a gateway for a hacker to enter YOUR network. If that employee leaves, are you allowed to erase company data from their phone? If their phone is lost or stolen, are you permitted to remotely wipe the device – which would delete all of that employee's photos, videos, texts, etc. – to ensure YOUR clients' information isn't compromised?

Further, if the data in your organization is highly sensitive, such as patient records, credit card information, financial information and the like, you may not be legally permitted to allow employees to access it on devices that are not secured; but that doesn't mean an employee might not innocently "take work home." If it's a company-owned device, you need to detail what an employee can or cannot do with that device, including "rooting" or "jailbreaking" the device to circumvent security mechanisms you put in place.

**3. Require STRONG passwords and passcodes to lock mobile devices.** Passwords should be at

*Continued on Page 4*

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## Message From the President

Our last dinner meeting drew another large crowd. Again, we had over 40 attendees. The new location seems to be a favorite based upon the comments of those in attendance.

There is no meeting in July because we did not want to conflict with FRSA's convention. Our next meeting will be August 26, 2015 with the main speaker Richard Gathright discussing the new updated building code. We will also have as an additional speaker Michael Roberts discussing Bostick and other adhesives. The FBC Fifth Edition 2014 Code is now in effect. Pay particular attention to the section on underlayments. The association sent out a document prepared by FRSA to aid roofers in understanding the difference between underlayments and spells out what you should look for. If you did not receive it, send a note to our Executive Director for an email copy.

Our August meeting will again be held at Tall Tales Restaurant so we invite you to attend. It should be a very interesting meeting.

Hope to see you there. Come over and say hello.

*Respectfully Submitted,*

**Mike Daley**  
 President



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## **Florida Building Code Fifth Edition 2014 Now Governing Code**

As of June 30, 2015, the FBC Fifth Edition 2014 Code is the governing code document. Don't know what changes affect you as a roofing contractor? Attend one of the four educational sessions on the new code being offered at the FRSA Convention.

As a reminder, the FRSA-TRI Fifth Edition Florida High Wind Concrete and Clay Installation Manual Revised is the version of the tile manual allowed in code as of June 30. If you need a copy (or two) of the manual, click here to order the Fifth Edition Revised.

## **FRSA Convention and Expo Two Weeks Away**

Early indicators are showing that the FRSA Convention and the Florida Roofing & Sheet Metal Expo will be the largest in the past 10 years. Our hotel room block sold out early and additional rooms have been added three different times; unfortunately, the hotel is now sold out. The expo floor plan was expanded several times and is now sold out. Revenue from full convention registrations and educational seminars have exceeded budget and 1,229 attendees and exhibitors have already registered for the expo. We haven't seen numbers like this since 2005! There is still time to register for the convention and expo. We're encouraging attendees to register early, so that their wait time at the registration desk is limited. To register, visit our website [www.floridarooft.com](http://www.floridarooft.com) and click on "Register Now." Also, visit [www.eventmobi.com/FRSA](http://www.eventmobi.com/FRSA) and select "Log in" to set up your Attendee Profile so you can track your personalized schedule, review other attendee profiles, view the list of exhibitors and much more.

## **FRSA Affiliate Competition**

All FRSA Affiliate chapters are welcome to participate in the Annual Affiliate Competition, which will be held during the Convention and Expo, on Friday, July 17, 2015. Each year, this competition is an exciting event, pitting affiliates against each other as they vie for the title of the Affiliate Challenge Cup winner. The event raises funds for worthy organizations. This year's Charity of Choice is the Arnold Palmer Hospital for Children. Proceeds from the Affiliate Competition and other donations will be used to buy gaming systems, carts and video games for children to play while they are in the hospital.

Members of the Sarasota/Manatee Affiliate are the reigning champions – can they keep the title?? If your affiliate hasn't signed up yet, it's not too late. Contact Maria at 800-767-3772 ext. 142 or by email at [maria@floridarooft.com](mailto:maria@floridarooft.com).

## **Educational Foundation Silent Auction**

With the Convention just two weeks away, we are busy getting everything ready for a great Silent Auction! Many of the Educational Foundation's activities, including the Scholarship Program, are funded by the proceeds generated by the Silent Auction held during the annual FRSA convention.

This year's Silent Auction is looking to be one of the BIGGEST yet! With over 170 donations, and more coming in every day, there is something for everyone. Theme park tickets, gift baskets, autographed sports memorabilia, hotel packages, jewelry, and wine tastings are just some of the great items that will be available during the Silent Auction. We will also be having an exciting Live Auction, following the Silent Auction, where you will be able to bid on some of our most popular items.

Interested in donating? Along with benefiting the Foundation, your tax deductible donation benefits your business with company recognition on our website, in the Convention Program, in ROOFING FLORIDA Magazine, and more. Donating is easy! If you are planning to bring a donation with you to the convention, please fill out the donation form and return it to us ahead of time. For details, contact Meghan Roth, [meghan@floridarooft.com](mailto:meghan@floridarooft.com)



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# 7 Urgent Security Protections Every Business Should Have In Place Now!

Provided by Stephen W. Kuska  
President, Computer Solutions

least 8 characters and contain lowercase and uppercase letters, symbols and at least one number. On a cell phone, requiring a passcode to be entered will go a long way toward preventing a stolen device from being compromised. Again, this can be ENFORCED by your network administrator so employees don't get lazy and choose easy-to-guess passwords, putting your organization at risk.

**4. Keep Your Network Up-To-Date.** New vulnerabilities are frequently found in common software programs you are using, such as Microsoft Office; therefore it's critical you patch and update your systems frequently. If you're under a managed IT plan, this can all be automated for you so you don't have to worry about missing an important update.

**5. Have An Excellent Backup.** This can foil the most aggressive (and new) ransomware attacks, where a hacker locks up your files and holds them ransom until you pay a fee. If your files are backed up, you don't have to pay a crook to get them back. A good backup will also protect you against an employee accidentally (or intentionally!) deleting or overwriting files, natural disasters, fire, water damage, hardware failures and a host of other data-erasing disasters. Again, your backups should be AUTOMATED and monitored; the worst time to test your backup is when you desperately need it to work!

**6. Don't allow employees to download unauthorized software or files.** One of the fastest ways cybercriminals access networks is by duping unsuspecting users to willfully download malicious software by embedding it within downloadable files, games or other "innocent"-looking apps. This can largely be prevented with a good firewall and employee training and monitoring.

**7. Don't Scrimp On A Good Firewall.** A firewall acts as the frontline defense against hackers blocking everything you haven't specifically allowed to enter (or leave) your computer network. But all firewalls need monitoring and maintenance, just like all devices on your network. This too should be done by your IT person or company as part of their regular, routine maintenance.

*By: Stephen W. Kuska  
President, Computer Solutions*

*Unlimited,  
Cybersecurity Solutions Provider*



## Industry Websites

- ASTM - [www.guidance-inc.com/~roofroof/](http://www.guidance-inc.com/~roofroof/)
- American Consulting Engineers Council - [acec.org](http://acec.org)
- American Institute of Architects - [aia.org](http://aia.org)
- American Society of Civil Engineers - [asce.org](http://asce.org)
- Building Officials Association of Palm Beach County - [www.boapbc.org](http://www.boapbc.org) & [www.boapbc.org/links](http://www.boapbc.org/links)
- Cedar Shake & Shingle Bureau - [www.CEDARBUREAU.org](http://www.CEDARBUREAU.org)
- Construction Industry Management Council (CIMC) - [www.cimcpbc.com](http://www.cimcpbc.com)
- Construction Specifications Institute - <http://www.csinet.org>
- Copper Development Association - <http://www.copper.org>
- Division of Workers' Compensation - <http://www.wc.les.state.fl.us/DWC/>
- Florida Roofing, Sheet Metal & Air Conditioning Contractors Association - [www.Floridarroof.com](http://www.Floridarroof.com)
- Galvalume Sheet Producers - [www.steelroofing.com](http://www.steelroofing.com)
- National Roofing Contractors Association (NRCA) - <http://www.nrca.net>
- National Society of Professional Engineers - [nspe.org](http://nspe.org)
- Roofing Contractors Association of South Florida (RCASF) - [www.rcasf.org](http://www.rcasf.org)
- Roofing Industry Education Institute- <http://members.aol.com/RIEIROOF/classes.htm>
- Roof Tile Institute - [www.rooftile.org](http://www.rooftile.org)
- Sheet Membrane and Component Suppliers to the Commercial Roofing Industry (SPRI) - [www.SPRI.org](http://www.SPRI.org)
- Sheet Metal and Air Conditioning Contractors' National Association (SMACNA) - <http://www.smacna.org>
- The Council of American Building Officials (CABO) - <http://www.cabo.org>





# August 2015

Su	Mo	Tu	We	Th	Fr	Sa	1
2	3	4	5	6	7	8	
			CIMC 7:45 AM				
9	10	11	12	13	14	15	
16	17	18	19	20	21	22	
			BCAB 2:00PM				
23	24	25	26	27	28	29	
			MEMBER MEETING				
30	31						

## August Program

### Building Code Update and Bostick & Adhesives

August 26, 2015

Richard Gathright & Michael Roberts

**NEW LOCATION: TALL TALES RESTAURANT**  
100 Gander Way | Palm Beach Gardens, FL 33403

195 exit 77 to Northlake Blv'd, head east to Sandtree Rd, make a right on Sandtree, and follow to Gander Way. Next to Gander Mountain Store (It is located behind Home Depot).

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### PBCR & SMCA Office and Phones

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Ronald A. Frano, MBA,  
Executive Director  
[rfrano@comcast.net](mailto:rfrano@comcast.net)

## FRSA Member Code Update

### Beware of False ID's

#### Using the term 15# or 30# when identifying underlayment

As usual with the advent of a new building code, there is a learning curve that needs to take place. The education process is an important part for all parties acclimating to updated standards and any code changes made that would include appropriate design, compliant installation and proper inspection of work. One of the most important code changes for the roofing industry is the removal of ASTM D4869 Type I. The revised underlayment sections of chapters 15 – Florida Building Code, 9 – Florida Residential Code, and 7 – Florida Existing Building Code, include: uniform prescriptive types and installation methods across the three chapters for appropriate roof systems. There is confusion however in the identification of the different types of asphalt saturated underlayment. Using the terms 15# and 30# to identify the underlayment type doesn't necessarily comply with the intent of the ASTM designations listed for underlayment in the 2014 code. We've created a comparison chart to highlight certain differences in physical characteristics found in the asphalt saturated underlayment. What FRSA is hearing is that there are people in the field or marketplace saying that ASTM D4869 Type II is considered 30# felt and is equal to the ASTM D226 Type II (30#). Here are the facts from the ASTM standards.

The ASTM underlayment designations in the chart below provides the physical characteristic differences that prompted changes to the 2015 ICC Building and Residential codes and the 2014 FBC code modifications that would standardize underlayment type and installation as per sample code section listed below. The ASTM D226 Type I and II standard was used as a felt underlayment target for compliance as a code minimum. The closest match in ASTM D4869 would be Type II and Type IV. Although there seems to be equals among the different types, say for instance the minimum weight per roll, the similarities between 4869 Type II and Type IV end there. The three-foot-wide, 144-lineal-foot roll of D4869 Type II includes 432 square feet of material whereas the three-foot-wide, 72-lineal-foot roll of D4869 Type IV includes 216 square feet of material. Remember to check the label on the roll goods. Just because there is a 30 printed on the label doesn't mean it qualifies as ASTM D226 Type II or ASTM D4869 Type IV. The code references used are all ASTM designations, so we advise you to start using the ASTM designations to avoid any confusion.

ASTM D226 and D4869 Comparison Chart						
ASTM Designation	Designation TYPE	Minimum weight per Roll	Minimum weight per 100 Square Feet	Asphalt Saturation	Square Feet per Roll	Roll Size
ASTM D4869	TYPE I <sup>a</sup>	32 Pounds	8 Pounds	100%	432	3' X 144'
ASTM D4869	TYPE II	52 Pounds	13 Pounds	120%	432	3' X 144'
ASTM D4869	TYPE III	40 Pounds	20 Pounds	140%	216	3' X 72'
ASTM D4869	TYPE IV	52 Pounds	26 Pounds	150%	216	3' X 72'
ASTM D226	TYPE I	46 Pounds	11.5 Pounds	120%	432	3' X 144'
ASTM D226	TYPE II	52 Pounds	26 Pounds	150%	216	3' X 72'
a. Not for use or in compliance with 2014 FBC						

## 2014 Florida Building Code

### Chapter 15

**Underlayment application.** Underlayment shall be installed using one of the following methods:

1. For roof slopes from two units vertical in 12 units horizontal (17-percent slope), and less than four units vertical in 12 units horizontal (33-percent slope). Underlayment shall comply with ASTM D 226, Type I or Type II or ASTM D 4869, Type II or Type IV or ASTM D 6757 and shall be two layers applied in the following manner. Apply a 19-inch (483 mm) strip of underlayment felt parallel to and starting at the eaves, fastened sufficiently to hold in place. Starting at the eave, apply 36-inch-wide (914 mm) sheets of underlayment, overlapping successive sheets 19 inches (483 mm), and fastened with 1-inch (25 mm) round plastic cap, metal cap nails or nails and tin-tabs attached to a nailable deck with one row in the field of the sheet with a maximum fastener spacing of 12 inches on center (305 mm), and one row at the overlaps fastened 6 inches (152 mm) on center. Synthetic underlayment shall be fastened in accordance with this section and the manufacturer's recommendations.

2. For roof slopes of four units vertical in 12 units horizontal (33-percent slope) or greater. Underlayment shall comply with ASTM D 226, Type II or ASTM D 4869, Type

*IV or ASTM D 6757 and shall be one layer applied in the following manner. Underlayment shall be applied shingle fashion, parallel to and starting from the eave and lapped 2 inches (51 mm), fastened with 1-inch (25 mm) round plastic cap, metal cap nails or nails and tin-tabs attached to a nailable deck with two staggered rows in the field of the sheet with a maximum fastener spacing of 12 inches (305 mm) on center, and one row at the overlaps fastened 6 inches (152 mm) on center. Synthetic underlayment shall be fastened in accordance with this section and the manufacturer's recommendations. End laps shall be offset by 6 feet (1829 mm).*

FRSA Code Update