



SHEAR BULL



Palm Beach County Roofing & Sheet Metal Contractors Association

Affiliate of FRSA and NRCA

September 2009

Volume 21 • 9

SEPTEMBER PROGRAM

Advanced Building Code

By Bill Unger

Continuing Education Academy

1 CEU Credit-Satisfies Florida Laws & Rules Requirement

WHERE:

Crowne Plaza
Belvedere Rd., & Australian Ave.

DATE & TIME:

September 23, 2009
6:00 PM - 7:00 PM Cocktails/Networking
7:00 PM - 9:00 PM Dinner & Meeting

COSTS:

\$40.00 for Members • \$65.00 Non-Members
Check or Credit Card accepted
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SEATING IS LIMITED:

Make your reservations now by calling –
Ron Frano at 655-5393

If you make reservations and do not attend, you are still financially responsible.

Considerations For Green Roofs

During the past several years, there has been increasing interest in the use of vegetative, green roof systems in the U. S. This follows years of use in some European countries.

Although green roof systems are gaining popularity, there are few credible guidelines or requirements governing the design and application of green roof systems in the U.S.

Code requirements

The model building codes, International Building Code (IBC) and NFPA 5000: Building

Construction and Safety Code, are largely silent on the topic of green roof systems. In fact, the only direct statement regarding green roof systems is in IBC's Chapter 16-Structural Design, where Section 1607.11.2.3-Landscape

Roofs indicates, "Where roof are to be landscaped, the areas shall be 220 psf (0.958 kn/m²). The weight of the landscaping materials shall be considered as dead load and shall be computed on the basis of saturation of the soil."

It can be interpreted that the model codes' prescriptive requirements for conventional roof coverings also may apply to the waterproofing layers of green roof systems. However, it is unclear whether the model codes' performance requirements are adaptable to green roof systems,

particularly the codes' fire- and wind-resistance requirements.

Conventional roof systems sometimes are required to resist interior fire exposure and often are required to resist exterior fire exposure. Although designing green roof systems for interior fire exposure is readily possible, designing green roof systems for exterior fire exposure currently is impractical if not impossible. For a roof system to resist exterior fire exposure the topmost surface of the roof system is critical. In green roof systems, the topmost surface often is grasses, plants, shrubbery or other organic matter, which are relatively highly combustible. Also, the combustibility of these media largely depends on their moisture contents-dryer materials will be more combustible than wetter materials

Similarly, for wind resistance, the model codes require conventional roof systems to resist wind pressure based on design wind speeds. Also, the codes place restrictions of the use of loose roof surfacing, such as roofing aggregate and ballast, to prevent wind borne debris during high winds. For green roof systems, though it is possible to design the

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If you have a problem in relation to this industry, please contact the appropriate committee chairman for assistance. Non-members are accorded the same privilege.

Opinions expressed in any of the articles submitted to the Shear Bull, are not necessarily the opinions of the Palm Beach County Roofing and Sheet Metal Association

President's Message



During tight economic times, companies make certain cuts in their expenses. One of the first to be dropped is membership dues in associations. We think in the long term, that is a mistake. However, while associations across the state and across the country are witnessing their membership rolls

diminish, our member base has held its own, staying at about seventy members throughout this period of time. While we may lose one or two members, more companies are lined up to join.

We think that is because of our basic philosophy that members must get value for their dues. We offer roofing contractors CE credits, which are a mandatory requirement for license renewal, at no cost. They attend a monthly meeting and for the cost of the meal only, they receive one hour of CE credit. For our supplier, distributor and manufacturing members, we offer numerous networking opportunities to conduct business or to introduce themselves and/or products. Additionally, we are in constant contact with building officials to advance the member interests. We try to keep our members informed on new and changing developments with respect to codes, requirements, building department changes, etc. We have developed a web site that would serve members better by allowing members to download roofing requirements and permit forms from the various municipalities. We take a stand with municipalities or the county on issues which will cost our members money. Membership in our organization is a valuable asset and seventy companies seem to agree.

We are also mindful that during tight economic times, sponsorship money may dwindle, but not with our loyal suppliers, distributors and manufacturers.

During our spring golf tournament, our sponsors provided close to \$7,000 for the Leann White Foundation to help with the extraordinary expenses of a fellow roofing industry member in getting his daughter a lung transplant.

Continued Page 3

BBO Sponsors-2009

Patronize and support the companies that have generously sponsored the Palm Beach County Roofing and Sheet Metal Contractors Association.

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Presidents Messege Continued From Page 2

We have just completed our yearly BBQ and preliminary figures indicate we may reach the \$7,000 sponsorship mark again thanks to the hard work of Bill Kirkland, Unlimited Roofing and Sheet Metal. The BBQ is the most labor intensive event we hold. Beginning preparations start days in advance and lead into a day that progresses from early morning to early evening that includes standing in the hot sun over an immense grill cooking the food. Bill is seen at the grill for the entire time with his helpers accommodating all who attend. Bill also spent time contacting potential sponsors which made the event a financial success. Those who attended can attest to the success of all aspects of the BBQ from food to children's programs to volley ball contests.

"Membership in the Palm Beach County Roofing & Sheet Metal Contractors' Association does not cost, IT PAYS".

Sincerely,
Drew Duncan
President

October Events

FRSA Meeting

October 8th - 10th Bonitia Springs

FRSA PAC Golf Tournament

- Forest County Club October 9th
Call Lisa Pate (407)671-3772 Ex. 157

MetalCon International Trade Show

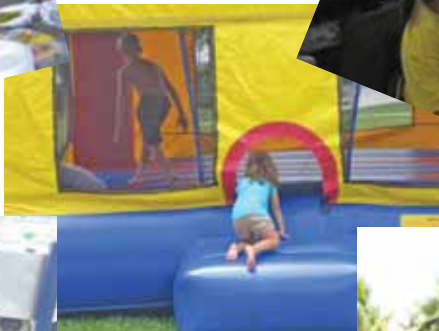
Tampa Convention Center
October 6th - 8th

For Information: www.metalcon.com



BBQ-2009

Over 200 people attended our annual picnic BBQ at Ocean Cay Park this year and enjoyed a delightful day filled with good food, cold drinks, games for adults and kids, and our famous ice cones. One added attraction was the jump house set up for kids where the laughter could be heard around the park. Hard work by Bill Kirkland and his chicken plucking crew enabled our members, their families and employees to have a great time enjoying the music, laughter and congenial fellowship.



October Program

Don't Miss The
Annual Golf Tournament

Wednesday October 21, 2009

Winston Trails Golf Club
6101 Winston Trails Blvd.
Lake Worth, FL

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Considerations For Green Roofs Continued From Page 1

waterproofing layer to be wind resistant, it is difficult to design green roofs' surfacings to be wind-resistant, particularly when considering the codes' wind borne debris restrictions

Closing thoughts

Although interest and popularity of green roof systems is growing in the U.S., additional information and guidance regarding their use is necessary.

I encourage those manufacturers who are promoting green roof products and systems to consider the applicable building code issues and provide appropriate compliance guidance to designers and installers of green roof systems,

Also, I encourage FM Approvals and Underwriters Laboratories Inc., on which the roofing industry relies heavily for fire and wind resistance guidance, to begin to consider green roof systems and provide appropriate guidance to roofing professionals. A specific item needing to be addressed is whether existing test methods are appropriate for determining the fire and wind, respectively, waterproofing membrane layers covered with green roofing materials.

ASTM International's Subcommittee B06.71 on Sustainability currently is developing several standards that will apply to designing green roof systems. If you actively are involved with green roof systems, I encourage you to become involved in this ASTM subcommittee. **Additional information is available on ASTM's Web site, www.astm.org.**

OFFICE LOCATION!!!

PBCR & SMCA

Association Office and Phones

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West Palm Beach, FL 33411

Phone **561-655-5393** • Fax **561-688-8807**

Website: pbcroofer.com

Email: rfrano@comcast.net

Executive Director – Ronald A. Frano, MBA

October 2009

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6 <i>Metal Contractors Trade Show 6th-8th</i>	7 <i>CIMC 7:45am</i>	8 <i>Metal Contractors Trade Show 6th-8th</i>	9	10
11	12	13	14 <i>BOD 12:30pm</i>	15	16	17
18	19	20	21 <i>FALL GOLF TOURNAMENT BCAB 2:00pm</i>	22	23	24
25	26	27	28	29	30	31



PalmBeach County Roofing & Sheet
Metal Contractors Association, Inc.,

Annual Fall Golf Tournament

Wednesday, October 21, 2009

Winston Trails Golf Club

6101 WINSTON TRAILS BLVD. • LAKEWORTH, FLORIDA

Call for Details:

John Pellegrino 561-248-4528

Ron Frano 561-655-5393 • Fax 561-688-8807