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AIA/EIC eastwards

NEWSLETTER OF THE EASTERN ILLINOIS CHAPTER

May 2009
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www.aiaeic.org

President's Message

by Philip A. Radloff, AIA



I'm off to see the wizards at this year's National Convention and Design Exposition 2009 in San Francisco. As President, the AIA/EIC has authorized me to represent you as your delegate at the convention. Per the AIA National, Eastern Illinois will have six votes that I will cast in your behalf. Some of the issues up for discussion and voting are as follows:

Associate Members - This is the fastest growing category of membership in the AIA and now exceeds twenty percent of the total membership of AIA.

- ♦ The associate membership category is greatly diverse and includes many members who are not pursuing licensure, yet who contribute greatly to the advancement of AIA agenda across the nation.
- ♦ Therefore the AIA would like to let associate members to be able to be regional directors of the organization.
- ✓ *I favor this and will vote yes at the convention.*

Membership Emeritus - This may effect some of the old farts in our chapter.

- ♦ All Architects and Associate members would be able to become eligible for Emeritus status upon reaching the age of 65. The old requirement was 70.
- ♦ Note: You must be a member in good standing for a minimum of fifteen years before applying for this status.
- ✓ *I favor this and will vote yes at the convention - heck, I'm almost there.*

Defining a minimum Standard to meet our obligations regarding environmentally responsible design.

- ♦ "Environmental Design" - services the owner may request from the architect in undertaking LEED Certification designs responsibilities.
- ♦ Get someone in your firm to be LEED certified.
- ✓ *I favor this and will vote yes at the convention.*

There are numerous other resolutions but I don't see how they will affect our small chapter so I won't review them with you at this time.

(continued on next page)

MAY 13
CHAPTER MEETING

Program:
Sustainable Construction with Pervious Concrete

Presenter:
Brian Lutey, CSI, CDT

Sponsor:
Ozinga Green Building

See page 5 for details.

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Rear View Mirror

REAR VIEW MIRROR

a review of the April 2009 chapter meeting

by Edvin Mertdogan, AIA, Vice-President AIA/EIC

ROOF GARDENS HISTORY AND CURRENT TRENDS

Presenter: Marty Gilson, Architectural Specialist, ERS, Inc.-Carlisle SynTec Inc.

Our last chapter meeting featured Marty Gilson, Architectural Specialist, who doubled as dinner host with Gary Schultz of ERS Inc. representing Carlisle SynTec Roofing.

First, Marty provided an overview of the Carlisle SynTec roofing products that are available from his company, ERS Inc. His small group of manufacturer representatives work together with the regional Carlisle distributor, North Coast Commercial Roofing System, located in Glendale Heights.

In addition to unbiased specification reviews and 2009 Chicago Energy Code Analysis for roofing projects, they also provide Factory Mutual (FM)

clarifications, contractor training, LEED support and roofing system calculations and comparisons.

For more information, please stop by www.carlisle-syntec.com. Also look forward to AIA / CES presentations on Carlisle's roofing offerings next year!

Marty's presentation looked at the following main elements to understand what Roof Gardens

are all about:

- Storm water management by slowing down the immediate runoff to the local storm drains.
- Aesthetics: In addition to good looks between high-rise and mid-rise buildings, the healthcare industry is using vegetation for a calming effect.
- Energy efficiency: In addition to other types of roofs, roof gardens reduce reflective albedo. (Google™ that!)

Roof Gardens come in many shapes and sizes, like an extra value meal! The main categories revolve around their base-soil thickness, which determines how much landscaping can be grown.

These base-soils range from shallow (less than 4" thick) to deep systems (greater than 8" thick).

(continued on next page)



Marty Gilson, CSI and Gary Schultz of ERS, Inc. answering questions after the presentation. ERS, Inc and Carlisle SynTec Inc. were the meeting sponsors.

(continued from previous page)

AIA/EIC has opted in on the new Membership Payment Plan to be flexible and make nine monthly payments for your dues rather than the one time payment as presently in effect. Some of our members are taking advantage of this and it may be available to everyone for next year.

AIA Illinois has reached 84.5 percent retention of membership, and AIA/EIC has reached 93.7percent. The last day of enrollment in the plan was April 30, 2009, but I have a suspicion they will still take you.

*Philip A. Radloff, AIA
EIC President*

Rear View Mirror

...continued

The shallow system weighs 15 pounds per square foot fully saturated and costs approximately \$20-25 per square foot (not including the actual membrane roofing and insulation system). A deep system may add greater than 25 pounds per square foot to the roof structure.

Design of a roof garden should bring together all parties including the mechanical engineer, structural engineer, landscape architect, and a roofing consultant. Consideration should be made for roof top unit exhaust and supply ventilation so as not to introduce new "outdoor allergens" into the indoor population. The specifications should be described in both 07500- Membrane Roofing and 02900- Landscape Planting for continuity.

Due to the loads, a concrete roof deck would provide the most stable support. Having a roof garden integrated into the design of a new facility would be the best, in contrast to remodeling an existing building to accept an additional 25 psf load.

One of the most important elements is the proper engineered growth media using light-weight engineered soil and Sedum (a wide variety of creeping herbs to shrubs).

Another important consideration is designing the layout of the garden to provide access and ease of maintenance. A tall parapet wall is almost mandatory to prevent overblown landscaping. So a 12" high parapet may not work.

Maintenance will be an ongoing issue that the owner should provide. The garden maintenance could be done by a skilled landscaper or subbed out by the

roofing contractor. The roof will need to be manually or automatically watered like a regular garden.

A handful of concepts used in roof gardens are also used in model railroad-ing or architectural model building. For instance, a topographic contour can be built up using layers of Styrofoam, shaped as desired, and rolls of vegetative mats that just need to be unrolled, fastened, and watered - voila! (I suppose this paragraph is reserved for model railroaders?!)

We thank Marty for reintroducing this pre-historic Icelandic and Babylonian technology to our group! Further reading of Green Roof

concepts in general can be found at [http://en.wikipedia.org/wiki/Green roof](http://en.wikipedia.org/wiki/Green_roof).

If this doesn't answer all your questions that you didn't even know you had, feel free to contact Marty Gilson at 630-675-0326 or martyg@comroofs.com

*Edvin Mertdogan, AIA
EIC Vice-president*



President-elect Edvin Mertdogan presenting Certificate Of Appreciate to Marty Gilson, CSI in appreciation of the program presentation and sponsoring the evening' meeting.

Bob Schrock CSI CCPR, LEED AP Architectural Services	PPG Industries 4600 Reading Road Cincinnati, OH 45229 USA Telephone (312) 286-6082 Fax (513) 242-9597 bob.schrock@ppg.com www.ppgideascapes.com

Chapter Corner

AIA/EIC items of interest



A3 22ND ANNUAL BENEFIT DINNER

date **TUESDAY, MAY 14, 2009**

place **BARNETT RESIDENCE**
AIA CHICAGO AWARD WINNING
"ROCKET SHIP" RESIDENCE
 132 E. Delaware Place, Unit 6307
 Chicago, IL 60611

time **6:30 - 7:30 PM**
 Tours & Cocktails
7:30 - 9:00 PM
 Buffet Dinner & presentation
 - Welcome by Judith Russi Kirshner,
 Dean, College of Arch. & the Arts
 Robert Somol, Director, School of Arch.
 - Presentation by James Plunkard,
 Architect, and Mr. Ralph Barnett

cost \$90 RSVP with payment
 \$50 Alumni grad. 2006 and later
 \$125 at door (space limited!)
 \$500 Alumni Event Sponsor (2 tickets included)

RSVP **by May 6 to:**
Erini Kreuz
Advancement Coordinator, UIC
312.355.0480 ekreuz@uic.edu

"Eastwords" is the monthly publication of the American Institute of Architects/Eastern Illinois Chapter. Opinions expressed are those of the particular author and not necessarily those of AIA/EIC. Submit articles to the Editor, Roxanne Paukner, at sfto1@aol.com. For information on advertising, contact Phil Radloff, AIA at (815) 806-0146 or p.radloff@rjaarchitects.com

AIA/EIC - UPCOMING EVENTS

- July 18** Summer Outing
 Tour of the Orland Park Police Station (USGBC LEED Gold facility) & the Main Street Triangle Development (pedestrian friendly residential, retail, and office redevelopment)
- August 28 or September 4** (date TBD)
 Golf Outing
- Sept. 30** Regular Board & Chapter Meeting
 T5 Fluoresce-sustainability lighting and LED technology
- Oct. 21** Regular Board & Chapter Meeting
Note - one week early!
 Sustainable design using precast and prestressed concrete
- Nov. 18** Regular Board & Chapter Meeting
Note - one week early!
 Brick revisited: Just how green is it?

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Upcoming Meeting ♦ Wednesday, May 13, 2009

Sustainable Construction with Pervious Concrete - 1 continuing education LU / HSW

Presenter: **Brian Lutey, CSI, CDT - Ozinga Green Building** Brian brings a wealth of knowledge with over 17 years of ready mix experience in many facets of the concrete industry. In 2003 Brian developed a Pervious Concrete Program for the Indiana Ready Mixed Concrete Association (IRMCA) which has been so successful that they have been asked to assist Concrete Promotional Groups in more than nine states in developing their own pervious concrete programs. Brian also assisted the Indiana Department of Agriculture in the creation of a new Pervious Concrete Best Management Practice (BMP). The BMP will be included in the Indiana Department of Environmental Management's new Storm Water Quality Manual that will be released soon. Brian is a member of the ASTM Pervious Concrete Subcommittee, the American Concrete Institute (ACI), and Construction Specifications Institute (CSI) - Evansville Chapter, where he is a Certified Document Technician (CSI, CDT). email BrianLutey@ozinga.com.

Program: **Sustainable Construction with Pervious Concrete**, 1.0 continuing education LU / HSW
Ozinga is an 85-year-old, local, family-owned company that takes stewardship of our earth seriously. Ozinga concrete is 100% recyclable, 100% local, and uses recycled materials from steel production and coal power plants to replace some of the cement used to make concrete. Concrete lasts much longer with less maintenance than other pavements, saving vital resources and money. Ozinga also make an exciting 'green' concrete called "Filtercrete®" Sustainable Pervious Concrete. It has been called "rice-crispy concrete" because of its appearance, and "the concrete that drinks" because of what it does with storm water. This concrete allows rainwater to filter through the pavement into the soil, filtering out 90% of the pollutants on the way. The water goes into the ground, so it does not add to flooding or erosion problems but helps groundwater to be recharged. It can be used for sidewalks, bike trails, driveways, parking lots, local streets and alleys.



The City of Chicago uses Sustainable Pervious Concrete in its Green Alley program to fight storm water flooding and the urban heat island effect. Due to its light color, it does not add to the urban heat island. Instead, it helps cool the air because it allows water to evaporate from the soil below. It also allows air to get to the roots of the trees, for healthier, bigger trees providing shade.

Sponsor: **Ozinga Green Building/ Ozinga Bros, Inc.**
www.OzingaGreenBuilding.com (312)432-8123

Location: Tinley Park Holiday Inn Hotel and Convention Center
18501 Harlem Ave (I-80 & Harlem Ave/Rt. 43)

Time: 5:00 Board Meeting
6:00 Libation / Conversation / Open Bar / Sponsor product display
7:00 Dinner with announcements & word from our sponsor
8:00 Main Program Presentation

Cost: \$30.00 / EIC Member \$35.00 / non-AIA/EIC member

Menu: *This dinner celebrates the 133rd day of the year!*
Minestrone Soup & Caesar Salad
Prime Rib*
Baked Potato with Seasonal Vegetables
Dinner Rolls, Chef's Special Dessert, Coffee, & Tea

** Vegetarian (pasta) meals are available upon request.
Please indicate your request for a vegetarian meal when making your reservation.*

Reservations by:
noon
Thursday
May 7th

Contact call list member
or Edvin Mertdogan, AIA
AIA/EIC Vice-President
and Program Coordinator

Ph: (815) 806-0146 x13
Fax: 815-806-0149
emertdogan@yahoo.com

Payment required if cancellation
after Monday noon.

Continuing Education

opportunities and events

NCARB's first live continuing education program premieres in Chicago the day before their annual conference.

Earn Three PDUs/CEUs

By attending this informative seminar you will earn three AIA-approved health, safety, and welfare (HSW) and sustainable design (SD) professional development/continuing education units (CEUs).

When:

Wednesday, June 17
1:30 p.m. - 5:00 p.m.

Where:

Renaissance Chicago Hotel
1 West Wacker Drive
Chicago, IL



Go to
www.ncarb.org
for registration
details.

NCARB

There's More to Building Green Than Meets the Eye

THE HIDDEN RISKS OF GREEN BUILDINGS

The green design movement is transforming the profession like nothing else experienced in the lifetime of most architects. While higher performing buildings have many positive benefits, they also present new challenges. Many of the things that make buildings green - like improved energy conservation, increased thermal insulation, and the use of innovative products - also make buildings susceptible to future failure.

Seminar Benefits

Learn how to avoid mold and moisture problems in green buildings at NCARB's first continuing education seminar, "The Hidden Risks of Green Buildings." The seminar will examine:

- ♦ Specific high-risk components of green buildings;
- ♦ Practical solutions to avoiding these problems; and
- ♦ Tools and techniques to reduce the risks of innovative designs.

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Continuing Education

opportunities and events

Kolbe offers AIA/CES programs online or in-person

"Finishing Touches - Enhancements, Options & Trends for Windows and Doors" is a one-hour, online, on-demand course that may be accessed on Kolbe's Web site at <http://www.kolbe-kolbe.com>. The "Architects Website" links to free downloads through electronic resources including AECDaily.com, ArchitectMagazine.com, and residentialarchitect.com. Those who successfully complete the program receive one AIA/CES Learning Unit (1.0 LU) for this course. This course qualifies for one health, safety and welfare (HSW) credit, which will be recorded with the AIA.

In addition to the online course, Kolbe's Training and Tour Department announces a new architect event for 2009 - **"Architectural Influences: Exploring Elements of Sustainable Design."** Architects attending this one-and-a-half day event can earn 8.5 LUs, 2 HSW credits, and 1 sustainable design (SD) credit. Tours are limited to groups of 10 or less, by appointment.


Kolbe's "Architectural Influences: Exploring Elements of Sustainable Design" in Wisconsin includes:

- * Tour of Taliesin® in Spring Green, Wis. - Visit the famed architect Frank Lloyd Wright's home, private studio, and the campus of The Frank Lloyd Wright School of Architecture.
<http://www.taliesinpreservation.org>
- * Tour of Aldo Leopold Legacy Center in Baraboo, Wis. - Explore one of the two highest ranking LEED® buildings in North America.
<http://www.aldoleopold.org/legacycenter/>



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Building Finishes Systems 

- * Tour of Cardinal Float Glass Plant in Portage, Wis. Watch the process of sand, limestone and other materials as they become glass for windows and doors.
http://www.cardinalcorp.com/products_float/float.htm
- * Tour of Kolbe & Kolbe Millwork in Wausau, Wis. - Follow the process of custom window and door manufacturing. <http://www.kolbe-kolbe.com>
- * Presentation of "Finishing Touches: Enhancements, Options & Trends for Windows and Doors"
- * Review of Kolbe's product series and how they can meet the needs of nearly any project.

The tours and presentations offered as part of "Architectural Influences" also are offered as individual courses. Kolbe also offers many other, face-to-face AIA/CES programs and tours. For more information on in-person presentations, please contact Kolbe at 800-955-8177 or kolbe@kolbe-kolbe.com.

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