30th BCA CONSTRUCTION & DESIGN EXPO

Indiana's Largest & Longest Running Construction Exposition

Education Program

Green Build • General Business • Safety • Design

March 7 & 8, 2007

Allen County War Memorial Coliseum • Fort Wayne, Indiana

Show Hours: Wednesday & Thursday, 11:00 a.m. to 9:00 p.m.

Sponsored By **Building Contractors Association**…
Serving the Commercial Construction Industry of Northeast Indiana Since 1917

BCA BUILDING CONTRACTORS ASSOCIATION

– 2007 Education Partner –

Northeast Indiana green build coalition

Green Build Education Sessions

W1 | Wednesday, March 7 1:30 p.m., Red Room

LEED: Why Use It & What Is It?

The Leadership in Energy and Environmental Design (LEED) Rating System promulgated by the US Green Building Council is transforming the building industry nationwide. The core structure of the rating system itself, its variations as developed for different market sectors, and the protocols for registering and certifying building projects using the LEED System will be reviewed. The impact of this tool on the design delivery process, the impact of LEED Certified building ratings on market valuation of properties, and the challenge of correlating the incremental capital investment expense for LEED Certification against long-term savings in facility operation and the measured benefits of building occupant performance will be illustrated. Finally, the positioning of the LEED Certification system within the larger social, economic, and environmental issues which comprise green, sustainable and regenerative design will be described.

Presented by Robert Koester, AIA LEED AP, Ball State Univ.

W2 | Wednesday, March 7 3:30 p.m., Red Room

Green Building Job Costing for Estimators and Construction Companies

A review of LEED for New Construction & Major Renovation 2.2. The session will highlight those areas that specifically affect the contractor's method of work and the potential cost impacts associated with them. Methods of estimating will be considered, together with a discussion of the range of probable costs for the various LEED credits.

Presented by Jonathan Moss, FRICS, CCC of Moss Construction Cost Management, Inc.

W3 | Wednesday, March 7 5:00 p.m., Red Room

Construction Recycling and Job Practices to Reduce Waste

The construction and demolition waste stream nationwide yields over 100 million ton per year. Participation in recycling waste generated from construction is an integral part of LEED and sustainable building practices. *Holly Hunter of Hamilton Hunter Builders will share the experiences of recycling for the LEED-Platinum project at the Merry Lea Environmental Center of Goshen College. Candace Imbody will discuss both the residential and commercial services that her company, Construction Recycling Solutions, has implemented and participated in. Tom Werling will discuss amazing results achieved as the LEED Project Manager for the Hagerman Construction project, Isaac Ray Treatment Center in Logansport, Indiana. You are sure to walk away from this session with some useful ideas and information that can be integrated into your next construction project!*

W4 | Wednesday, March 7 6:30 p.m., Red Room

Building Green – and Platinum in Northern Indiana: A Case Study

The seminar will focus on the experiences and hurdles of constructing a building with the goal of achieving a platinum rating from the U.S. Green Building Council. Merry Lea Environmental Learning Center of Goshen College engaged the Rocky Mountain Institute, a design team of architects, engineers, landscape architects, wastewater engineers, and contractors in a concerted effort to achieve the platinum rating. Construction of phase one began in the spring of 2005 with occupancy in April 2006. The seminar will include the key design features for optimizing energy performance at the 60% level, and six months of data on energy consumed and produced.

Presented by Luke Gascho, Merry Lea Environmental Center

T1 | Thursday, March 8 11:30 a.m., Red Room

Green Roofs for the City County Building and for Kettler Hall at IPFW

Students in an advanced Construction Engineering Technology class investigated what they could do to make Kettler Hall, IPFW's oldest building, more energy efficient. They set out to see if they could achieve 50% savings in energy use; they accomplished 52%! That means reducing energy operating costs from $400,000 per year to just less than half that amount. Students will present research on renewable energy sources to fund IPFW's campus and their plans for a green roof for City County Building in Fort Wayne.

Presented by IPFW Construction Engineering Technology Students & Dr. Regina Leffers

T2 | Thursday, March 8 1:00 p.m., Red Room

Green Interiors for Commercial and Residential Builders

Interior construction projects are responsible for the specification and supply of huge quantities of material goods for in the way of finishes, fixtures, furnishings and fabrics. Environmentally aware designers and contractors specify materials that have a minimal impact on the reduction of the earth's resources through manufacture, transport, or disposal. Multiple measures have been identified to measure the success of sustainable design including Embodied Energy and Operating Energy. What are the new products and materials that protect the environment? Rule of thumb guidelines are discussed for "green" design and construction for the interior environment.

Presented by Matthew Kubik, Architect, IPFW Associate Professor of Interior Design

T3 | Thursday, March 8 2:30 p.m., Red Room

Green & Clean for Facilities Managers

This seminar will define environmental leadership, sustainability and utilizing best cleaning practices for health and well being. As the awareness for environmental stewardship continues, the effects of occupant's health are a major focus. The standards set by the U.S. Green Building Council gives us direction for cleaning both LEED-NC and LEED-EB buildings. Improving what and how we clean buildings by developing an action plan, assessing health and safety effects, reporting results will create a pathway for good health, well being and profit.

Presented by Dale McGinty, HP Products

T4 | Thursday, March 8 4:00 p.m., Red Room

Introduction to Green Material Specification & Acquisition

As more and more projects are becoming environmentally friendly, sustainable and "green", product manufacturers are currently offering a wealth of products to meet the new demand for recycled and environmentally friendly materials. Mr. Bowman will discuss where these products are found and what resources are available to obtain product information quickly and accurately. He will share his 30-plus years experience in the architectural business and being involved in writing specifications for 5 LEED projects and numerous "green" projects.

Presented by Kim Bowman, CSI, AIA LEED-AP

T5 | Thursday, March 8 5:00 p.m., Red Room

Green Water Treatment Alternatives for HVAC Systems

A presentation on the efficiency, cost effectiveness and other benefits of a chemical-free water treatment technology for scale and corrosion control in boilers, cooling towers, geo-thermal heat pumps, solar systems, etc. and a unique zero bleed technology for cooling tower applications.

Presented by Chuck Sanderson, Superior Manufacturing Div.

T6 | Thursday, March 8 6:30 p.m., Red Room

Green Heating & Cooling

The U.S. Environmental Protection Agency recognizes ground-source heat pumps as the most cost effective, energy efficient and environmentally friendly method of heating and cooling a building. WaterFurnace is an industry leader in the innovative design and manufacture of the most efficient and reliable ground-source heat pumps available today. This presentation will focus on the application of this technology in residential and commercial buildings.

Presented By Rich Conkling , Waterfurnace International

General Education Sessions

W5 | Wednesday, March 7 12:00 p.m., White Room

How to Survive an OSHA Inspection

Attendees will be introduced to how site and shop inspections are conducted. Through class discussion, attendees will gain a better understanding of the various types of inspections and their related components. The material covered will address what an employer is required to do to maintain a safe and healthful working environment along with an explanation of the IOSHA inspection process including opening conference, site assessment, closing conference, informal conference and other legal aspects.

Presented by John Brunswick, INSafe, IN Dept. of Labor

W6 | Wednesday, March 7 1:30 p.m., White Room

AIA CES ACCREDITED COURSE

Air, Water & Moisture Management In Commercial Building Envelopes

A study of the necessity for building redundancy in the commercial building envelope (wall systems) to help reduce damage due to water intrusion and energy lost due to air infiltration. The lesson is focused on designing wall systems for commercial construction by protecting the building envelope from damage due to air, water and moisture infiltration. Participants will learn the various methods available to obtain redundancy in the building envelope.

Presented by Mike Smith, Dupont Tyvek® Weatherization Systems / Sponsored by Interior Products Supply

W7 | Wednesday, March 7 3:30 p.m., White Room

AIA CES ACCREDITED COURSE

Disaster/Storm Resistant Tilt-up Concrete

Concrete has long been recognized as the material of choice for resisting high winds, flying debris, and storm surge. Now you can learn how concrete building systems can be used to build storm resistant homes and buildings.

Presented by Amy Trygestad, PE, Portland Cement Assn.

W8 | Wednesday, March 7 5:00 p.m., White Room

Hire & Fire Without Fear

Learn how to develop and implement systems to confidently interview and hire employees, how to discipline positively and how to terminate if necessary without fear of reprisal.

Presented by Fred Eckart, Cavanaugh Consulting and Steve Boester, Boester Associates

W9 | Wednesday, March 7 6:30 p.m., White Room

Fall Hazards Recognition & Elimination

This seminar will focus on Subpart M - Fall Protection of the IOSHA standards and what IOSHA will allow your company to employ. Subjects to be covered include: scaffolding, unprotected sides and edges, protection from falling objects, guardrail systems, safety net systems, personal fall arrest systems, positioning device systems, warning line systems, controlled access zones, safety monitoring systems, covers, protection from falling objects, rescue, allowable fall protection plans, training programs and certification of training and retraining.

Presented by John Brunswick, INSafe, IN Dept. of Labor

T7 | Thursday, March 8 11:30 a.m., White Room

DOT Laws & Regulations – Protecting Your Liability

An overview of DOT regulations with a focus on required records, both for vehicles and for drivers. Understand when a CDL license is required and how vehicle weight ratings are applied. This course is aimed at business owners, buts is also applicable for drivers.

Presented by Inspector Delinda Davis, Indiana State Police
Sponsored by MacAllister Machinery

T8 | Thursday, March 8 1:30 p.m., White Room

Teambuilding: Building, Managing & Motivating Your Team

This workshop will equip each participant to evaluate, motivate and communicate the philosophy, goals and objectives that provide excellence in team performance. Attendees will leave with an understanding on how to create an atmosphere the invites the best skills and abilities, recognize areas of communication that need upgraded, and implement concepts that become an integral part of their team's success.

Presented by Melissa Jaegle, Master Consultants

T9 | Thursday, March 8 3:00 p.m., White Room

Complying With Wage & Hour Laws in Construction

The Fair Labor Standards Act and Indiana wage payment statues regulate *work time* for which employees must be paid, the frequency of payment and allowable deductions. This fast-paced workshop will review what is considered compensable time for both jobsite and office employees. Topics covered will include payment for time traveling to the jobsite or transporting hand tools to work, interrupted lunch breaks, and applicable rates for travel and training. Regulations defining overtime for exempt employees will also be covered.

Presented by Thomas Biehl, Baker & Daniels

T10 | Thursday, March 8 5:00 p.m., White Room

AIA CES ACCREDITED COURSE

Prescriptive to Performance Concrete (P2P)

The P2P initiative of the National Ready Mixed Concrete Association proposes the use of performance-based specifications for concrete construction as an alternative to traditional prescriptive specifications. This presentation demonstrates how performance-based specifications encourage innovation, cost effective construction, and quality control.

Presented by Marvin Obermeyer, PE, BuzziUnicem USA

First Aid & CPR Training

Presented by Health Wellness Services

Pam Allmandinger, LPN, Certified Instructor

T11 | Thursday, March 8 2:00-4:30 p.m., Blue Room

Adult CPR

Cost: $35 per person

American Heart Association CPR techniques will be taught during this session. Successful participants will be certified for 2 years from date of training.

T12 | Thursday, March 8 5:00-8:00 p.m., Blue Room

First Aid

Cost: $40 per person

American Health & Safety workplace first aid and Bloodborne pathogen techniques will be covered. Successful participants will be certified for three years from date of training.

Education Program Registration Form • BCA Construction & Design Expo

Deadline for pre-registration is Wednesday, February 28, 2007. (Pre-registration is required for the First Aid and CPR Courses.) On-site registration is available for the other courses, subject to availability. Please clearly print name(s) of registrant(s). List the seminar code by their name, which is the letter/number left of the course date and time. Class sizes are limited.

Company _____ Contact _____

Address _____ City, State ZIP _____

Phone _____ Fax _____

Print name(s) of person(s) registering and list the seminar code(s) next to their name:

Registrant _____ Seminar Code(s) _____

Registrant _____ Seminar Code(s) _____

Registrant _____ Seminar Code(s) _____

Registrant _____ Seminar Code(s) _____

Free Two-Day Parking Pass

With Unlimited Registration Option

An $8 Value!

Attendees pre-registered by February 28, 2007, will be mailed a pass good for two days unlimited Coliseum parking during the show.

(Not applicable to complimentary registrations and First Aid/CPR courses.)

Per Person Registration Cost:

[ ] $15, Per seminar

[ ] $40, Unlimited registration

[ ] Adult CPR Course , $35

[ ] First Aid Course, $40

No Charge to Members of These Organizations: *

Building Contractors Association • American Institute of Architects • Northeast Indiana Green Build Coalition • U.S. Green Building Council, Indiana Chapter ** Excluding First Aid & CPR – regular charges apply.*

Payment Method:

☐ Check Enclosed, $_____

☐ Please Invoice (BCA Members Only)

☐ No Charge – Member of BCA, AIA, NEIGBC or USGBC, Indiana Chapter

(Membership Status Subject To Verification)

Credit Card - Amount to be Charged: $ _____

MasterCard _____ VISA _____

Card # _____ Exp. Date____/_____

Name on Card _____

Card Billing Address _____

ZIP _____ V-Code (last 3 digits by signature) _____

Return No Later Than February 28 to:

Building Contractors Association • 1315 Directors Row, Suite 201 • Fort Wayne, IN 46808

Or Fax to 260 483-9597. Call 260 483-9596 for more information or visit www.bcafortwayne.org.