

Chicago Anticruelty Society

The Chicago Anticruelty Society was built in the 1980s of wood siding, and is now planned to have a terra cotta rainscreen façade installed to make it more attractive. NBK gave me the heads-up, and encouraged me to get in touch with Pepper Construction and Interactive Design to recommend mason contractors for this job. I tried to meet with Dave Haas of Pepper, but was only successful at reaching him by phone. He claimed that the project has already bid, and he could not find any masons to bid the work. He said he plans to award the terra cotta rainscreen to a glazing contractor. Prior to meeting with the architect, I dropped off a packet of information with Dave at Pepper's office, containing the Chicago terra cotta rainscreen resource directory, a contractor list, a jurisdictional sheet, case studies, and other information pointing to the fact that this is bricklayers' work.

When I met with the architect, I gave him a similar packet, and talked about IMI's training and past rainscreen work done by bricklayers. He asked how our wage scale compared, and I told him we were less expensive. He said he would talk with Pepper about using a BAC contractor if it's not too late. It turns out that Interactive Design knows W.R. Weis very well, as they both worked on the Art Institute Modern Wing, an award-winning project completed last year. We both agreed that Weis would be a great choice for this project.

I later called Peter Weis of W.R. Weis, who knows Bob Larson and Dave Haas; Peter was very appreciative for the IMI intervention, and said he will follow up with phone calls to the architect and GC.



Jones Magnet High School

The Chicago Public Schools has hired Perkins and Will to design an 8-story, 240,000 s.f. high school addition, estimated \$20-25M construction cost. PBC recommended that I meet with the architect to discuss potential use of AAC for sustainability and acoustic reasons.

I met with project architect Chris Hale, and he informed me that they're in the conceptual stage right now, pre-schematic design, and they have not begun to consider materials yet. We did discuss masonry and AAC, and I gave him an electronic copy of the MDS. Chris has some experience with AAC from past projects he did with another firm.

We talked about the acoustic benefits of AAC, important to school design. I offered IMI services throughout the design stage, and he sounded interested. I also am trying to schedule a technical seminar with Jane Augustine of Perkins & Will to discuss sustainability on Jones High School, Parkland Junior College in Champaign (on Dan McCall's radar; Mark Walsh is the P&W project architect), and other masonry projects.



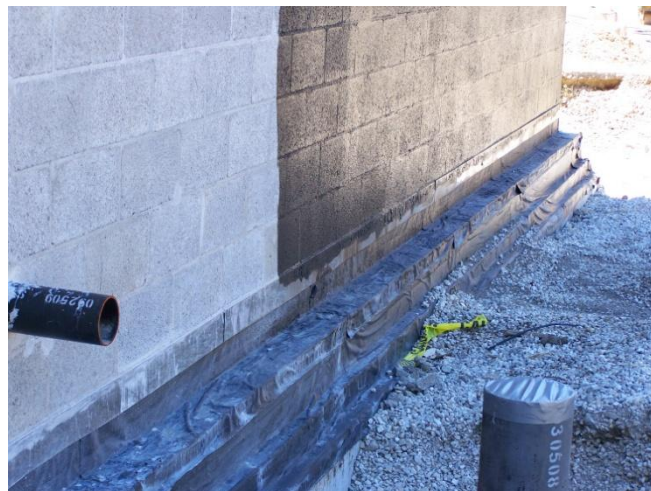
Chicago Anticruelty Society will be reclad in terra cotta rainscreen

Peoria Main Public Library Addition

Mike Zimmerman of M.R. Mason Contractors, a BAC signatory and board member of Central Illinois Mason Contractors Association (CIMCA) has the masonry on the Peoria Main Library Addition, a project designed by PSA-Dewberry in Peoria. Several months ago, Mike spent several thousand dollars to certify a few of his key men for air barrier installation at a 2-day class put on by ABAA in Chicago, at the W.R. Meadows facility. The BAC Local 6 apprenticeship fund reimbursed him for this expense. Mike recommended that IMI initiate an AB certification class that would be equal to ABAA's; I told him that we do have journeyman upgrade training in AB, but not certification at this time.

The certification is already paying off for M.R. Masonry, since the specs for Peoria Library Addition require ABAA-certified installers. At this site visit, Mike showed me the sample area of installation, and gave me a copy of the inspection report by Tremco. Mike says he is beginning to see a lot of projects that require ABAA certified air barrier installers. In the past, he has subbed out air barrier work to Strike, Mid-Illinois, or Crylene Roofing. On the Peoria job, Strike quoted a price of \$11,000 for the air barrier (Mike was unsure about which union affiliation their installers had); but since M.R. Masonry became certified, they chose to self-perform this work, costing them only about \$5,000. They rolled the air barrier, Tremco Exo Air 220 at 70 mils thick, to dry at 40 mils thick, per the spec. Coverage is about 150 s.f. per 5-gallon bucket. The sample area represents two buckets of material.

This project has an interesting wall: 8" CMU; 40 mil air barrier; 6" steel studs w/ 2 layers of 3" rigid insulation between the studs; glass mat reinforced gyp. bd.; building wrap; full-height drainage board; metal lath; and thin stone adhered veneer. M.R. Masonry is installing the CMU; then the drainage bd., lath, and stone. R.G. Construction of Chicago (another BAC contractor) is installing the studs, insulation, glass mat reinforced gyp., and building wrap. I would like to document this project as a case study for IMI, since it's a great example of how a BAC contractor took the initiative to install air barrier and adhered veneer, two emerging markets for us.



Peoria Main Library Addition



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Project Involvement, June

PROJECT INVOLVEMENT						
Date	Owner	Project	Location	Masonry Issue	Architect / Contractor	Action / Status
06/24/10	Gyu Kaku restaurant	new restaurant	210 E. Ohio, Chicago, IL	2-hour firewall w/ 6" fully grouted masonry	D+K Architects	tech info to architect tech info & contractor referral to GC; correspondence w/ Dave Fleury, BAC Local 6
06/24/10	Rasmussen College	new brick building	Peoria, IL	half-high block; contractor referrals	The Ryan Companies	tech info re. adhered veneer to MC; site visit for case study documentation
06/16/10	Library Board	Peoria Main Library Addition	Peoria, IL	air barrier application, thin adhered stone veneer	PSA-Dewberry Architects; Farnsworth Architects; M.R. Masonry	
06/16/10	Our Savior's Lutheran Church	chapel addition to Celebration Center	Naperville, IL	radial walls, CMU backup w/ brick and stone facing	Newman Architecture - James Marson	tech review and info for architect
06/16/10	not specified	commercial building	Bristol, PA	expansion joint spacing & details	VOA Architects - Mandhir Chopra	tech review and info for architect
06/15/10		North Shore Country Day School	Winnetka, IL	colored mortar to be used w/ white ground face block @ interior	OVP/PP - Cannon Design - Troy Kerr	tech info to architect
6/9; 6/11; 6/14/2010	City of Chicago Public Buildings Commission	Chicago Public Schools linked addition prototype	Chicago, IL	new masonry prototype	SMNG-A Architects - Todd Niemiec, Ken Schroeder, Laura Vecchiotti	met w/ architect; tech info
06/15/10	Riverbank Lofts Condominium Association	555 Kingsbury restoration	Chicago, IL	masonry repairs & restoration	Sullivan Goulette Wilson Architects	met w/ architect; comprehensive plan review; consulted w/ Local 21 Tuckpointers; contractor referrals & tech info
6/10; 6/14; 6/16/10	developer not specified	Walgreens stores	Egg Harbor Twp., NJ	non-union construction in New Jersey	BAC - Rich Tollson	investigate and report on Walgreens construction delivery methods
06/14/10	Anticruelty Society	renovate existing facade	Chicago, IL	re-clad existing siding building w/ new terra cotta rainscreen	Interactive Design - Bob Larson; Pepper Construction - Dave Hass	met w/ architect & contractor; tech info & contractor referrals
06/15/10	Parkland Junior College	new student center	Champaign, IL		Perkins & Will - Mark Walsh	met w/ architect; tech info
06/15/10	City of Chicago Public Buildings Commission	Jones Magnet High School	Chicago, IL	concept phase (pre-schematic); architect is considering masonry for this LEED Silver design	Perkins & Will - Christopher Hall	met w/ architect; tech info
06/02/10	not specified	Early Childhood Learning Center	Aurora, IL	CMU veneer over steel studs; full height drainage mat	DLA Architects - Tracy Bierstadt	met w/ architect; comprehensive plan & spec review w/ comments
06/02/10	not specified	Outdoor Performing Arts Center	Aurora, IL	dry stack stone wall detailing	Muller & Muller Architects - Susan Johnson	tech assistance for architect
06/01/10	City of Berwyn, IL	Berwyn fire station	Berwyn, IL	moisture intrusion	Matt Bickel, Wold Architects	met w/ architect & mason contractor & owner to troubleshoot and make recommendations



RICHTON PARK COMMUNITY CENTER: A CASE STUDY IN LOADBEARING AAC

Scott Conwell, AIA, CSI, CDT, LEED AP¹

This case study of the new Richton Park (Illinois) Community Center will document the first use of loadbearing AAC in the metropolitan Chicago area. It will look at how loadbearing AAC satisfied the client's rigid criteria for material selection, and how installer certification training and an aggressive quality control plan satisfied the A/E's requirements for contractor selection. It will also take a close look at the masonry wall construction, especially the 30-ft (9.14 m) high, 12-in. (30.5 cm) thick loadbearing AAC gymnasium walls. This case study will make extensive use of photographs and illustrations to show special conditions of construction like placement of grout and reinforcement, truss bearing conditions, a series of double-course bond beams, thinset mortar application, movement joints, and cold weather precautions. It will document the unique interface between the masonry and electrical trades, as the conduit and boxes were recessed into chases routed directly into the AAC by the bricklayers. This paper will also show some of the project's architectural applications of AAC, like the use of coated AAC trim to simulate stone waterables and brick soldier courses. Finally, the paper will look at the two different architectural finishes applied to the AAC: an acrylic polymer exterior finish, and a calcium silicate adhered veneer.

Keywords: Loadbearing, AAC, Autoclaved, Aerated, Richton Park

**Abstract submitted
to 11NAMC**

Events

The International Masonry Institute Presents the 2010 Chicagoland Masonry Expo



▲ Scott Canfield & Mike Papp, International Masonry Institute

▲ Bud Shreff, KILG Creative; Jason Hawkins, RDR; Dan Borowski; Hunter Douglas

▲ Shawn O'Malley, Spec Mix; Bob Skogh, Metropolitan Architectural Brick

▲ Ron Grey & Craig Rock, Rammy Cement Products

▲ Ace Koproski, Virginia Tile; Denise Martynak, Ceramic Tile Contractors Association of Greater Chicago; Courtney Russo Leland & Mike Pommerehne, Virginia Tile

▲ Pete Swanson, Glenrock Co.; Dominika Wasylenska, Chicago Brick & Brick Co.

▲ Bill Meyers & Mike Hunt, Tuckpointers Promotional Fund

▲ Mike Erdensberger & Robert Fink, BAC Administrative District Council 1; Bill McKinley, BAC Fringe Benefit Fund

▲ Don Walker, Int'l. Union of Bricklayers and Allied Craftworkers (IUBAC) District Council Training Center; Ken Tridell, International Masonry Institute; Andy Garcia, BAC Administrative District Council 1

▲ Kyle Ferenc & Jim Ferenc, Metropolitan Architectural Brick; Steve Schwanz, Matt Jung & Jose Vasquez, J.S. Schwanz Construction

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FOX VALLEY LABOR NEWS

Photo Gallery

FOX VALLEY LABOR NEWS PHOTO GALLERY JUNE 6, 2010 19



Exterior view of the International Union of Bricklayers and Allied Craftworkers training center in Addison, IL.

IUBAC holds Masonry Expo

By Christina Hazelwood
Staff writer

About 300 architects, contractors and members attended the International Union of Bricklayers and Allied Craftworkers (IUBAC) Masonry Expo this past Wednesday. The expo, held at the union's district council training center in Addison, demonstrated training techniques and presented product samples.

The union, which represents trowel trades in Northern Illinois, offers a three-year apprenticeship and certification program that includes a 12-week, hands-on training course offered at the center.

Masonry instructor Tarrus Anderson, who demonstrated arch building at the event, said new bricklayers sometimes fail to course out the brick, causing improper joint thickness. "A lot of bricklayers don't build an arch template. We can be shaky on that."

Other masonry demonstrations showed correct and incorrect ways to lay walls, fireplaces and tuckpointing.

Some of the masonry books featured stone, face brick, masonry and steel structural hybrids, synthetic stone, mortar mixes, additives and other masonry products.

Instructor Mike Hooper, who demonstrated plaster techniques, said details such as how hot the water is and the presence of dirt or impurities in the mix can affect a plaster job. He said knowing when the set time window will occur and being ready for it, is also important.

Other exhibits at the event featured concrete veneers, stucco, marble, ceramic, porcelain and glass tile, plaster molding, scaffolding, water-proofing, grout mixers, sealants, additives and other trowel trades supplies.

The International Union of Bricklayers and Allied Craftworkers (IUBAC) represents members in Cook, DuKalb, DuPage, Grundy, Kane, Kendall, Lake, McHenry, and Will counties. For more information about training, contact Robert Arnold, director, at (630) 953-0835 or BArnold@iubac-school.org.



Daniel Moser (left) practices his bricklaying techniques at the International Union of Bricklayers and Allied Craftworkers (IUBAC) Masonry Expo on Wednesday, May 26 in Addison, IL.



Attendees watched demonstrations, looked at various exhibits that included examples of marble and stucco, and were even able to practice some bricklaying techniques.

Northern Illinois Real Estate Magazine and Fox Valley Labor News ran articles in their June issues on the 2010 IMI Chicagoland Masonry Expo.

City of Chicago Department of Buildings

We held a follow-up meeting with the City of Chicago Dept. of Buildings to discuss in more detail IMI's and BAC's role in the City's masonry initiative. We spent a lot of time revisiting many of the problems of shoddy workmanship, illegal licenses, and questionable hiring practices, all contributing to poor masonry construction. John Thompson talked about Responsible Bidder language that some of the suburbs incorporate into their codes, and the Commissioner asked for a copy. John Thompson (BAC) elaborated on several projects he knew of where the mason contractor used an illegally-obtained license. John offered to help the City's inspection force police these jobs, and the City was very grateful; they advised John to have BAC field reps call the Department of Buildings directly rather than calling 311 as instructed in the past.

On potential areas of IMI involvement, we discussed IMI review of proposed Code changes; use of IMI's details in Chicago's new Code; and IMI training for plan examiners. Jim Allen has strong feelings that IMI should not be training the City's non-bricklayer building inspection personnel, since his goal is to have the City employ a team of bricklayer masonry inspectors. However, since the City's plan examiners generally have backgrounds as design professionals, John indicated that it would be okay for IMI to provide training to them. Regarding masonry inspections and the City's limited budget, the City has recently been outsourcing a company called Independent Mechanical to perform masonry inspections. John said this was beneficial to us, because Independent Mechanical employs experienced union bricklayers for these inspections.

The deputy commissioners looked at IMI's Masonry Detailing Series book that I brought to the meeting, and complemented us on the quality of details, the book's thoroughness, and usefulness. They asked that I leave them that copy, which I did; and they asked for two more printed copies that their plan examiners could use. If possible, I think we should print the City two more books at our expense, since this would most likely lead to their inclusion of our details in their new code, and not Masonry Advisory Council's details. (MAC has drafted a few details for the City, which look very good; but I'd really like to see the City use IMI's details.)

Bob gave us a copy of some proposed Code changes that would make for stricter requirements for masonry construction within the City. I'm attaching this document to this report. Note that it is marked "Confidential – not for Public Disclosure." Jim Allen and John and I all agree that making the Code stricter is in our best interest, since the BAC contractors are generally providing this level of quality anyway. I told Bob that IMI would review this document in detail, and make our collective input.

Finally, I want to mention that the Department of Buildings sent several representatives to IMI's Masonry Expo last week, including Bob Fahlstrom and Vince Fontana; Bob had lots of great things to say about IMI's ability to deliver education, and about our training facility. John and I both said that we would be glad to open our doors if the City wanted us to construct sample walls, or use our facility for training, as long as it's not training other trades to do masonry inspections.

Annual flashing education & training for Walsh Construction

Walsh Construction sent about 14 superintendents, project managers, and project engineers to the DCTC for the Flashing educational program, organized by Jeff Lemna, Walsh's Director of Corporate Training. We have been doing this program with Walsh, at their request, annually for about eight years.

The first part of the program was a flashing seminar, where I talked about and showed examples of the moisture resistance system of masonry cavity walls. The powerpoint program featured many BAC-installed Walsh projects which I've documented over the years, like St. Vincent de Paul Childcare Center; The Columbian Condominiums; University of Chicago Rattner Athletic Center; and The Suites of Autumn Green which is a current loadbearing masonry job under construction by Stoltzner Masonry.

Following the classroom lecture, the group spent the rest of the morning installing flashing at three diverse hands-on stations: steel column base flashing; end dams at sills; and inside & outside corner flashing. They also viewed all the masonry mockups around the training center to see the different flashing conditions and materials.

In addition to Walsh, we invited architects of the Suites at Autumn Green, Haylock Design Group, to this event. This is a good example of a masonry project built by Walsh that has a less-than-ideal wall at only 12" thick, but was expertly installed by a BAC contractor.

Jeff Lemna from Walsh gave accolades to IMI and the DCTC instructors, saying that this annual program represents Walsh's best in-house training program that they do all year; and he wishes that the other trades would do similar training for them.



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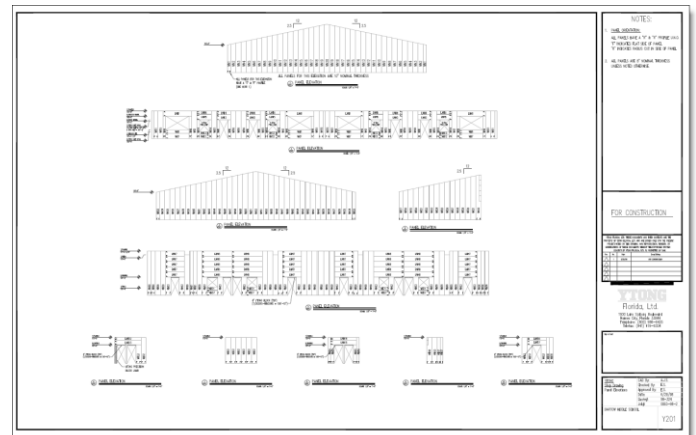
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Chicago Public Schools

Subsequent to an earlier seminar I did for City of Chicago Public Buildings Commission (PBC), the PBC's Sustainability Manager Deeta Bernstein suggested that I meet with SMNG-A Architects re. the elementary school prototype they are currently working on. SMNG-A is working on three prototypes for CPS: L-shaped, a C-shaped, and linear plans. The City requires all new schools to be LEED Silver. CPS considers these 100-year buildings. Schools currently in design or construction by SMNG-A include Skinner School in the West Loop; Avondale School near Milwaukee & Belmont (a C-prototype built by Illinois Masonry); and Langston Hughes, a loadbearing design. Matrix Engineering is the structural engineers on these. IMI has had much contact with Matrix over the past few years.

Deeta Bernstein thought there may be a specific application for AAC on the "linked annex" buildings that SMNG-A is designing. A linked annex is a simple building to take the place of a temporary modular metal-sided building that the schools currently rent to solve overcrowding problems. CPS typically takes out 5-year leases on the modular buildings, but ends up keeping them in use for 15 years or more, making it just as costly as building simple masonry buildings for the same purpose. For the annexes, SMNG-A is currently considering masonry clad Butler buildings the call "butterfly frames" which are 90-ft wide (two 45-ft spans), with 30-ft bays. There are 6-classroom and 12-classroom buildings, with warming kitchen/dining spaces.

I shared information on AAC with SMNG-A, and they seemed interested. Subsequent to the meeting, I obtained drawings of a similar building type from Aercon Florida, and forwarded it to SMNG-A. I also scheduled an IMI presentation on AAC for August 19.



AAC school annex drawings furnished by Aercon Florida



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June activities & programs

June 1	meet w/ Matt Bickel, Wold Architects re. new Berwyn Fire Station	Berwyn, IL
June 2	meet w/ City of Chicago Buiding Department commissioner Monnachio re. City of Chicago building code	Chicago, IL
June 3	teleconference w/ Maria Viteri re. Sustainability presentation	Chicago, IL
June 4	job site visit at Richton Park Community Center	Richton Park, IL
June 4	meet w/ Jim Slawnikowski, R.G. Plastering re. Plymouth Building soffit re-build	Chicago, IL
June 7	" Moisture Control for Masonry " seminar for General Services Administration (GSA)	Chicago, IL
June 8	job site visit at Richton Park Community Center	Richton Park, IL
June 9	meet w/ Todd Niemiec, SMNG Architects re. AAC on PBC projects	Chicago, IL
June 9	meet w/ Deeta Bernstein, PBC re. Jones High School	Chicago, IL
June 10	teleconference w/ Rasco Masonry and Rick Filloramo re. AAC tolerances	Chicago, IL
June 11	meet w/ Ken Schroeder, SMNG Architects re. AAC on Chicago Public Schools linked annex prototype	Chicago, IL
June 15	meet w/ Christopher Hail, Perkins & Will Architects re. William Jones Magnet High School	Chicago, IL
June 15	meet w/ Mark Walsh, Perkins & Will Architects re. Parkland Junior College Student Center	Chicago, IL
June 15	meet w/ Dave Haas, Pepper Construction re. Anticruelty Society reclad project	Chicago, IL
June 16	meet w/ MR Masonry at Peoria Public Library project re. air barrier case study	Peoria, IL
June 17	IMI presentation on Sustainability at Illinois State Apprentice Conference	Peoria, IL
June 17	meet w/ Bill Meyers, BAC Local 21 re. 550 N. Kingsbury restoration project	Peoria, IL
June 22	meet w/ Dane Haggerty, Indiana Limestone Quarries re. sustainiabilty and limestone	Addison, IL
June 23	Masonry for Sustainability seminar at Chicago Transit Authority (CTA)	Chicago, IL
June 24	meet w/ Dave Collins at Richton Park AAC project re. IMI review	Richton Park, IL
June 28	meet w/ Tom Spoo, Tailored Foam Midwest re. green retrofit	
June 28	meet w/ Mike Volpentesta, LMC; Dwight Smith, Sandsmith Masonry; and Ghafari Architects re. Theater on the Lake project	Chicago, IL
June 30	Annual Masonry Flashing hands-on demonstrations and mini-seminar field trip for Walsh Construction	Addison, IL



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Upcoming Programs

July 12	Masonry For Sustainability seminar at The Farnsworth Group Architects	Peoria, IL
July 13	Masonry For Sustainability seminar at AIA Central Illinois	Bloomington, IL
July 14	Masonry for Sustainability seminar at DLA Architects	Hinsdale, IL
July 19	Masonry for Sustainability seminar at FGM Architects	O'Fallon, IL
July 20	meet w/ Jason Mantle, The Korte Company re. masonry detailing	Highland, IL
July 20	Masonry for Sustainability seminar at Hurford Architects	Glen Carbon, IL
July 28	Quality Control for Masonry seminar at City of Chicago Public Buildings Commission	Chicago, IL
August 2	Quality Control for Masonry seminar at General Services Administration (GSA)	Chicago, IL
August 4	Structural Masonry Basics seminar at Chicago Transit Authority (CTA)	Chicago, IL
August 10	Moisture Control for Masonry seminar at BLDD Architects	Chicago, IL
August 12	Masonry for Sustainability seminar at PSA-Dewberry/BCA Architects	Elgin, IL
August 17	Quality Control for Masonry seminar at AECOM Architects & Engineers	Chicago, IL
August 19	IMI presentation on Introduction to AAC for SMNG-A Architects	Chicago, IL
August 24	Masonry for Sustainability seminar for McDonald's Corp. architects	Oak Brook, IL
August 31	Quality Control for Masonry seminar at BLDD Architects	Chicago, IL
Sept 14	masonry lecture at University of Illinois College of Architecture	Champaign, IL
Sept 15	Masonry for Sustainability seminar at Legat Architects	Waukegan, IL
Oct 4	IMI-sponsored Tile Design program with Ceramic Tile Contractors Association of Greater Chicago meeting	Arlington Heights, IL
Oct 5	Association of Licensed Architects / CSI Architectural Expo	Oak Brook, IL
Oct 6	Cold Weather Masonry Construction seminar at Walsh Construction	Chicago, IL
Oct 26	Cold Weather Masonry Construction seminar at O'Shea University, O'Shea Builders	Springfield, IL
Nov 9	IMI presentation on Masonry for Sustainability for Association of Licensed Architects meeting	Rolling Meadows, IL
Nov 18	IMI hosts tour of District Council Training Center for Northern Illinois Construction Specifications Institute	Addison, IL
Dec 14	Cold Weather Masonry Construction seminar at AIA Central Illinois	Bloomington, IL



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Current and Upcoming Professional Education Seminars

Date	Audience	Location	Presentation	Attendance
03/16/11	FGM Architects	Oak Brook, IL	"Masonry for Sustainability"	25 est.
12/14/10	AIA Central Illinois	Bloomington, IL	"Cold Weather Masonry Construction"	30 est.
11/09/10	Association of Licensed Architects, Illinois chapter	Rolling Meadows, IL	"Masonry for Sustainability"	70 est.
10/26/10	O'Shea University / O'Shea Builders	Springfield, IL	"Cold Weather Masonry Construction"	30 est.
10/06/10	Walsh Construction (office)	Chicago, IL	"Cold Weather Masonry Construction"	50 est.
09/15/10	Legat Architects	Waukegan, IL	"Masonry for Sustainability"	20 est.
09/14/10	University of Illinois Architecture students	Champaign, IL	"Masonry Design and Detailing"	60 est.
09/10/10	Central Illinois Green Expo	East Peoria, IL	"Masonry for Sustainability"	50 est.
08/31/10	BLDD Architects	Chicago, IL	"Quality Control for Masonry"	20 est.
08/24/10	McDonald's Corporation	Oak Brook, IL	"Masonry for Sustainability"	30 est.
08/19/10	SMNG-A Architects	Chicago, IL	"Introduction to AAC"	15 est.
08/17/10	AECOM Architects & Engineers	Chicago, IL	"Quality Control for Masonry"	25 est.
08/12/10	PSA-Dewberry/BCA Architects	Elgin, IL	"Masonry for Sustainability"	20 est.
08/10/10	BLDD Architects (4 of 4)	Chicago, IL	"Moisture Control for Masonry"	20 est.
08/04/10	Chicago Transit Authority (2 of 2)	Chicago, IL	"Structural Masonry Basics"	30 est.
08/02/10	General Services Administration (3 of 3)	Chicago, IL	"Quality Control for Masonry"	50 est.
07/28/10	City of Chicago Public Buildings Commission	Chicago, IL	"Quality Control for Masonry"	30 est.
08/04/10	Chicago Transit Authority (2 of 2)	Chicago, IL	"Structural Masonry Basics"	30 est.
07/20/10	Hurfurd Architects	Glen Carbon, IL	"Masonry for Sustainability"	15 est.
07/19/10	FGM Architects	O'Fallon, IL	"Masonry for Sustainability"	15 est.
07/14/10	DLA Architects	Hinsdale, IL	"Masonry for Sustainability"	20 est.
07/13/10	AIA Central Illinois	Bloomington, IL	"Masonry for Sustainability"	30 est.
07/12/10	The Farnsworth Group Architects	Peoria, IL	"Masonry for Sustainability"	15 est.
06/30/10	Walsh Construction	Addison, IL	"Flashing Hands-on"	18
06/23/10	Chicago Transit Authority (1 of 2)	Chicago, IL	"Masonry for Sustainability"	28
06/17/10	Illinois State Apprentice Conference	Peoria, IL	"Masonry for Sustainability"	8
06/07/10	General Services Administration (2 of 3)	Chicago, IL	"Moisture Control for Masonry"	15

