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THE WESTERN MASSACHUSETTS CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS
The WMAIA Newsletter is published four times a year.
It is circulated to all members, advertisers and subscribers.
Please direct all newsletter correspondence to Rachael Chase Associate AIA, at: editor@wmaia.org
Articles, photos, notices of events and other information are welcome.
Opinions expressed in the Newsletter are not necessarily those of the WMAIA.
The Editor reserves the right to reject or revise material as space and subjective opinion permit.

OUR NEWS:

DO YOU KNOW SOMEONE WHO WOULD ENJOY RECEIVING THESE NEWSLETTERS?
Go to wmaia.org to see our membership and mailing list options!
Or give us as a gift!

HAVE YOU LIKED US ON FACEBOOK?
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We like you, too!

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COVER PHOTO: MARGO JONES ARCHITECTS
WILLIAMSTOWN ELEMENTARY SCHOOL
Williamstown, MA, 2000

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Go to www.facebook.com/westernmassachusettsAIA

Western Massachusetts AIA

Organization
The WMAIA promotes excellence in architecture through professional development, community outreach, and the celebration of architecture in our region.
WMAIA is collaborating with the City of Northampton Planning Department on an exhibition of 23 design schemes for new, narrow lot residential home designs. The entries were gathered from a competition call put out in the Spring.

The 23 entries offer thoughtful alternatives for builders looking to construct new homes on small lots in existing residential neighborhoods. The City hopes the exhibit will increase attention on recently liberalized “small lot” zoning ordinances in the City, and will encourage more innovative design thinking.

The competition will be judged by Michael LeBlanc, AIA, principal of Utile Inc., Christine Malecki West, AIA, principal of Kite Architects and Robert Orr, FAIA, principal of Robert Orr & Associates.

The exhibit for the gallery show has been designed by the WMAIA Emerging Professionals Group.

Awards will be presented November 8th between 6 and 8pm, during Northampton’s Art’s Night out. A People’s Choice Award will also be given - be sure to visit the gallery to share your opinion!
NCARB has decided to do away with this rule; interns will be able to document any design-related employment, regardless of duration.

In an effort to provide interns with more opportunities to earn IDP hours, NCARB and the AIA launched an updated and more comprehensive version of the Emerging Professional Companion. By completing activities from the EPC, interns can earn core experience hours, whether they are employed under work setting A or not. Surprisingly, this experience opportunity has been extremely underutilized in the past. Using the EPC, interns can earn up to 600 core experience hours, and up to 1624 total IDP hours. In some pioneering AIA chapters, emerging professional groups are starting to use the EPC in a collaborative effort.

Another big topic of discussion was the ARE 5.0. In late 2016, a new ARE exam structure will be put into action with several updates. Currently, the planned structure (not finalized) of ARE 5.0 will realign exam content into 6 divisions:

- Practice management
- Project management
- Programming and Analysis
- Project Planning & Design
- Project Development & Documentation
- Construction Phase Services & Project Evaluation

The new testing system will take advantage of new tools and technology. We can expect to see new question types such as scenario based questions, case studies, and new “performance item type” questions throughout the new exams. Another big improvement will be the upgrading of the CAD software used to complete the graphic vignettes. The development of ARE 5.0 will be ongoing through mid 2014, and aim to launch in 2016.

ARE candidates should also be aware of the Jason Pettigrew Memorial ARE Scholarship. As a means of encouraging interns to pursue licensure, the AIA offers recipients of this scholarship reimbursement for the cost of passing each ARE exam. Application for this scholarship accepted in the first quarter of each year. This year, 10 scholarships were awarded.

Over the next few years, I believe we are going to see some positive adjustments in the process of licensure. These issues are attracting not only the attention of working professionals - students are taking an active role at the academic level as well. The challenges regarding the path to licensure are being critically examined, and innovative ideas are being proposed and considered at every level of the profession.
WMAIA EMERGING PROFESSIONALS GROUP

NCARB EVENTS

NCARB’s FACEBOOK PAGE IS WORTH A LOOK...AND A LIKE

WMAIA Emerging Professionals Group is working hard on several projects that add vibrancy to our architectural community:

Dorrie Brooks of Margo Jones Architects is spearheading exhibit design at the APE Gallery for the SMALL LOT | BIG IDEAS show, with support from Women In Design’s Julie Meyers and volunteers from the Emerging Professionals Group.

The group is also working on initiatives to assist with the IDP process and preparation for the ARE. For more information, or if you would like to volunteer, contact Dorrie at db@margojones.com.

WOMEN IN DESIGN WESTERN MASSACHUSETTS

The Women in Design Group is a social and professional organization for design professionals to spread ideas, promote collaboration, and create mentoring opportunities. All architects, engineers, interior designers, landscape architects, landscape designers, urban planners, urban designers, public artists, professors, teachers, and those considering a future in design are welcome.

Women in Design meets the last Thursday every month at a location published on our group’s Facebook Page. If you have work you would like to share, we’d love to hear about it. If there is something you would like to learn about or see happen in our community, we can work as a team toward making it happen.

Join us for news and monthly gatherings from Greenfield to Holyoke.

Look on Facebook for our group:
Women in Design - Western Massachusetts

ARE STUDY MATERIALS – LENDING LIBRARY

Did you know WMAIA has ARE Study materials available for lending?
This service is free for members; there is a fee for non-members.
If you (or someone in your firm) is interested in borrowing materials, please contact director@wmaia.org.

ARE THERE EMERGING PROFESSIONALS IN YOUR OFFICE WHO WOULD LIKE TO KEEP APPRISED OF WMAIA ACTIVITIES? IF SO, PLEASE SEND THEIR EMAIL CONTACT INFO TO DIRECTOR@WMAIA.ORG THANKS!
The Keefe Campus Center at Amherst College needed an update. Programming changes and the urge to reinvigorate this campus hub drove a project that began over Winter Break in 2013 – the January version of a “summer slammer.”

The short time frame and the importance of this building as a public face of the campus made the process intense and the results critical.

On the lower level and first floor, offices and layouts were re-configured, with new flooring, walls, and ceilings, and new lighting throughout.

On the second floor, the changes were more visually dramatic. The original building design is arranged on a rigid dual axis, with all spaces connected loosely to the central atrium, but to little effect. One of the design goals was to explode that grid, to connect all of the campus center spaces more closely to both the atrium and to the outdoors.

For the Friedman Ballroom, a new vaulted acoustic ceiling (as well as new flooring, paint, and lighting) opens and enlivens the space. The new open game rooms on the other end of the building also promote strong visual connections throughout the floor.

With our lively suspended light structure, the atrium became a bright focal point at the center of the building. Hung in the existing skylight space, the new lights capture the eye and draw it upward into the high, glittering ceiling.

Views were opened up from one side of the second floor to the other. To the inside, one sees the glow of the striking new interior; looking out, the Pelham Hills rise in the distance.

The project team included Shepley Bulfinch, Coldham & Hartman Architects, HLB Lighting and GNCB Engineers, who worked closely together with Elm Electric and construction firm Aquadro & Cerruti.
DO YOU KNOW OF SOMETHING INTERESTING GOING ON IN WESTERN MASSACHUSETTS?
EMAIL EDITOR@WMAIA.ORG

THINGS TO DO + SEE IN WESTERN MASSACHUSETTS

 University of Massachusetts Amherst Architecture + Design Program
Fall 2013 Lecture Series

Architecture + Design Lectures

10/08  Ajla Aksamija
5:30 PM  Emerging Technologies in Architectural Design and Innovation: Lessons from Practice
Herter Hall / Room 227

11/04  Theatre Gates
5:00 PM  Du Bois: The Early Social Practitioner
Thompson Hall / Room 104

11/12  Edward Ford
5:30 PM  Recent Work
Herter Hall / Room 227

11/19  David Sheerin
5:30 PM  Invisibility
Herter Hall / Room 227

11/21  Lawrence Vale
5:30 PM  Purging the Poorest: Public Housing and the Design Politics of Twice-Cleared Communities
Herter Hall / Room 227

ARCHITECTURE + ART SYMPOSIUM
TEMPLE BETH EL, SPRINGFIELD MA
FOR MORE INFORMATION + TO REGISTER,
GO TO WWW.TBESPRINGFIELD.ORG
OR CALL 413.733.4149

SUNDAY, OCTOBER 27TH,
1:30PM - 4:30PM
A mid-century modern classic with art and design by Percival Goodman that influenced community buildings nationwide.
Experts in architecture, design, art, crafts and history will talk about Temple Beth El and how its design and construction affected and represent the congregation.

Historic Preservation Lectures + Events

10/24  Max Page
5:00 PM  Memories of Buenos Aires / Book Launch & Reading
Food for Thought Books / Amherst MA

10/25  Preservation and Sustainability Symposium:
     New Innovations in Policy
     In this, the third symposium on how preservation is integral to designing
     Gordon Hall / Room 303

11/08  David Karmon
12:00 PM  The Ruin of the Eternal City:
Antiquity and Preservation in Renaissance Rome
     Fine Arts Center / Room 456

11/22  Kevin Allen
12:00 PM  Half A Million Acres of History: The Challenge of Preserving the Cultural Assets of the Massachusetts
     Fine Arts Center / Room 456

www.umass.edu/architecture

ARCHITECTURE THROUGH FILM
FALL 2013

October 9
REM KOOLHAAS:
A Kind of Architect
(2008)

October 23
HERZOG & DE MEURON:
Alchemy of Building & Tate
Modern (2001)

November 6
Sketches of FRANK GEHRY
(2008)

This documentary portrait captures the unique style and collective vision of award-winning Swiss architects Jacques Herzog and Pierre De Meuron by visiting several of their completed projects, including the Tate Modern in London. The revamped power station, which now houses contemporary art, earned the admiration of both art lovers and architectural critics and stands as a shining example of the pair’s collaborative genius.

1.5 LUs

Sketches chronicles the friendship between director Sydney Pollock and the famed architect every bit as much as it does Gehry and his work, and it makes for a window into the world of Gehry’s creativity. The architect talks about many of his most well-known buildings and the ways he transformed his practice.

1.5 LUs

Presented by the Western Massachusetts Chapter of the American Institute of Architects and the Five College Architectural Studies Program

Location: Room 117 @ Fayerweather Hall / Amherst College • 6:30 PM.
All films followed by discussion. Free and Open to the Public
In a major new collaboration with the Hall Art Foundation, the keystone of which is a large and long-term exhibition of sculpture and paintings by Anselm Kiefer, MASS MoCA opens a 10,000 square-foot building at MASS MoCA specially re-purposed by the Hall Art Foundation and devoted to the art of Anselm Kiefer.

Xu Bing: Phoenix
THROUGH OCTOBER 27th, 2013

Drawing inspiration from the contemporary realities of his fast-changing country, Chinese artist Xu Bing spent two years creating his newest work, Phoenix. The installation features two monumental birds fabricated entirely from materials harvested from construction sites in urban China, including demolition debris, steel beams, tools, and remnants of the daily lives of migrant laborers. At once fierce and strangely beautiful, the mythic Phoenixes bear witness to the complex interconnection between labor, history, commercial development, and the rapid accumulation of wealth in today's China.
DIETZ & COMPANY ARCHITECTS, INC. WINS 2013 ACCESSIBLE DESIGN AWARD

Dietz & Company Architects of Springfield, MA has won a 2013 Accessible Design Award jointly sponsored by the Boston Society of Architects (BSA) and the Massachusetts Architectural Access Board (MAAB). The award recognizes Hoosac Hall at Massachusetts College of Liberal Arts for the utilization of accessible architecture, which dramatically improved the appearance and use of the facility.

The dormitory is on a steep site that slopes across the front of the building. A new entry sequence was designed to include relocation of the entry to an accessible level at the street and a courtyard was formed to allow easy access from barrier-free parking spaces at the bottom of the hill. By moving the building entrance and all common services down one level, a new suite of accessible public spaces was created to serve all students. The building entrance, reception/security desk, laundry, common kitchen, lounges, multi-purpose room and offices were re-designed for ease of access and clarity of use. Accessible bathrooms were provided at all seven dormitory room levels, ensuring a comfortable experience for all users.
AN UPDATE ON THE 2012 IECC ENERGY CODE

Major changes go into effect July 1, 2014

In July, the Massachusetts Board of Building Regulations and Standards voted to adopt the IECC energy code. This updated code is resting on the concurrency period sidelines, like a silent beast ready to strike any unsuspecting designer, project manager, or builder with potential costly post-construction compliance tactics.

To comply with the 2012 IECC, residential project teams must be prepared and the design must align with code requirements. Although the project purse holder may grumble about slightly higher costs, they have a lot to gain with the new code: a home built to the 2012 IECC energy code will be more efficient, comfortable, have better air quality, and will be more durable than a home built to the 2006 or current 2009 energy code.

There are two paths to compliance for residential projects: performance path and prescriptive path.

Both paths require that the mandatory requirements are met. The performance path is usually accomplished with a certified HERS rating which includes energy modeling, diagnostic testing, and an air barrier inspection. It offers greater flexibility as the whole building is considered as a system without all of the component requirements of the prescriptive path. The HERS rater can be a valuable member of the project team and can leverage utility rebates through the Mass Save New Homes program, so it is usually more cost effective.

The prescriptive path is the recipe approach to code compliance - follow the required R-values for each building component along with many other details, and you will be in compliance. The whole-building airtightness testing and duct tightness testing is still required.

Below are the most significant energy code updates for climate zone 5 (most of Western Mass) that will go into effect state-wide for any projects after July 1, 2014.

Airtightness (Mandatory): Airtightness testing is required. Tightness limits: <= 3 ACH50 (air changes per hour at 50 pascals) whole house leakage rate. This is down from 7 in the 2009 IECC code. Big reduction! To put this into perspective, a home with 16,000 cubic feet of volume will need to be below 800 CFM50. For the 2009 code, it would need only 1,800 CFM50.

Insulation (Prescriptive):
Windows: U-factor <= .32 - (down from .35 in the 2009 code)
Ceiling/Attic: >= R-49 up from R-38 in 2009 code
Basement walls: >= R-15 (continuous) or >= R-19 (cavity)

Ducts (Mandatory): Ducts must be tested to verify tightness unless all ducts and the air handler is inside the thermal envelope. 4 CFM per 100 square feet of conditioned area (down from 8 in the 2009 code).

Equipment sizing (Mandatory): Code requires Manual J and Manual S or an approved substitute to size and select heating and cooling equipment. Appropriate system sizing is not optional, it is integral to energy efficient buildings.

Other changes include mechanical ventilation requirements, hot water distribution insulation, higher R-values throughout the building, programmable thermostat requirement, rigid attic vent baffles requirements …etc.

Energy code compliance starts with design

Air barrier details should ideally be a part of building specifications. Seams in the building envelope, such as at transitions of walls/foundation and walls/attic should be detailed so the builder knows where to employ tactics to ensure reduced air leakage. Often the air barrier between bathtubs and exterior walls are forgotten along with wiring penetrations and top plates in attic flats.

Broader design approaches that support overall building performance include using simple volumes (ie. minimize the use of dormers and funky geometries) and to embrace the conditioned- yet not necessarily finished- basement. To make a home work like a well oiled energy efficient machine, whole-building system thinking must be present throughout the design and building phases.

What about the Stretch Code?

It is anticipated that the Stretch Code will be revised to be even more stringent than the 2012 IECC, but no details have been projecting what these changes might be for all Green Community towns in MA, is premature.

Personally, I think they should phase out the Stretch code as a separate code and simply require Green Communities to enforce the performance path of the 2012 IECC with a slightly lower HERS index requirement. This would make everyone’s life a little easier and hopefully lead to greater code compliance and enforcement.

Adin Maynard is a HERS rater and BPI Building Analyst. His company, HIS & HERS Energy Efficiency, supports architects and builders with code compliance, building diagnostics, and rebate programs.

adin@hhefficiency.com
www.hhefficiency.com
FEATURED ARTISAN

JONATHAN KOHRMAN
DECORATIVE PAINTER

Have you worked with an artisan we should know about? Nominate someone for ‘FEATURED ARTISAN’ by email at editor@wmaia.org
JONATHAN KOHRMAN is a decorative painter located in Whately MA who does installations throughout New England and beyond. He works from his background in fine art, architectural and graphic design as well as scenic painting to create installations uniquely suited to each client. He can work in a variety of media and is particularly interested in green alternatives to traditional paints. He is currently developing designs for the historic renovation of the Calvin Theater in Northampton, Massachusetts and also working on sets for a new film in New York City. See additional portfolio images at www.jonathankohrman.com

Contact Jonathan at 413.222.7256 or jonathankohrman@yahoo.com
These sketches were done during my recent visit back to Australia after 12 years...

Melbourne was founded 180 years ago by a gold rush that gave rise to some of the most elegant Victorian architecture anywhere. The wealth was still around at the turn of the 20th century when the nation tore itself away from England — federation was an exciting time, and it is reflected in the architecture — even these small houses.
Melbourne was a portal for the will and wheat trade with England. Special sailing ships — clippers — were design for the route across the southern ocean. They were fast and needed to be heavily loaded; great on the way back, but what about on the way out? Well, they used cast iron, and that is why Melbourne has more decorative cast iron lacework in its residential architecture than any other city.
UMASS PRESERVATION AND SUSTAINABILITY SYMPOSIUM: NEW INNOVATIONS IN POLICY AT HOME AND ABROAD

Friday, October 25, 2013; 1:00 – 5:30 PM (reception 5:30 – 6:30)

University of Massachusetts Amherst - Gordon Hall Room 303

4 HSW (approval pending)

In this, the third symposium on how preservation is integral to designing sustainable buildings and communities, we will focus on the latest policies, laws, regulations and incentives, and hear from professionals in the field about prospects for the future.

Speakers will include:

**Andreas Salgo**, Planner and Preservationist, Bavarian Department of Castles, Gardens and Lakes, Nurnberg Germany, speaking on “Historic Monument Preservation Versus Energy Efficiency in Bavaria”

**Marc Sternick**, AIA, LEED AP, Vice President and Senior Project Architect of Dietz & Company Architects, Inc., presenting on “Sustainable Buildings: The State of the Art”


For more information and to register visit www.wmaia.org

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NARROW LOT EXHIBITION RECEPTION + AWARDS PRESENTATION

November 1st - 9th

RECEPTION: November 8th 6:00 – 8:00 p.m.

A.P.E. Gallery, 126 Main St., Northampton

!(free)

WMAIA ARCHITECTURE THROUGH FILM SERIES

October 9: REM KOOLHAAS

October 23: HERZOG + DE MEURON

November 6: FRANK GEHRY

See PAGE 7 for more information

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DECEMBER 4th - SAVE THE DATE

WMAIA ANNUAL MEETING + HOLIDAY GATHERING

WMAIA’s holiday gathering will take place at the Monkey Bar in Amherst, MA on December 4th.

This year’s event will be a joint program with the USGBC West Branch Chapter.