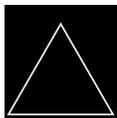


NH FORUM

For those who shape the built environment

Tour the new Visual Arts Center at Dartmouth Oct. 2

Legal update for design professionals Sept. 19; AIANH Education Day Oct. 15



Please join us for our annual NH-VT AIA meeting, this year on October 2 at the Black Family Visual Arts Center, Dartmouth College, designed by Machado and Silvetti Associates, Boston. Ned Goodell AIA, a senior associate

with MSA, who functioned as project executive under Jorge Silvetti's design direction, will be present to talk about the building and process, along with John Scherding AIA, Director of Campus Design at Dartmouth. The *Continued on page 10*



On August 15 AIANH members joined with ABC NH/VT members for a cruise of Portsmouth Harbor and out to the Isles of Shoals on the SS Thomas Loughton. Above Paul Bourbeau AIA, AIANH Vice President; Katie Sutherland AIA, Board Director; and Dan Scully AIA prepare to board. We could not have had a more spectacular evening. Over 250 members and guests from the two groups filled the boat and shared lots of laughter, beautiful views and a sunset, great food and drinks.

Published by

AIA New Hampshire

with contributions

from the Granite State

Landscape Architects

and PlanNH

Inside View

Perspective	2
Emerging Professionals Network	3
Planning Water Quality in New Buildings <i>by Steve Guercia</i>	4
<i>GSLA Pages</i>	6
<i>PlanNH</i>	7
Ancient Treasures in Turkey V <i>by Bruce Hamilton AIA</i>	8
NH Disaster Emergency Response Team	11
Sketch of the Month	14
Construction Summary	15
Photo of the Month	16
Calendar	16



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AIANH, PO Box 398, Keene, NH 03431.
Tel: 603-357-2863; Fax: 603-357-0835; E-mail: office@aianh.org.

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The AIANH Editorial Board reserves the right to edit articles for available space and to review all material for appropriateness prior to inclusion.

The editors of the *NH Forum* seek to encourage a lively discussion of design and other topics of concern to designers. Opinions and proposals presented in the newsletter are those of the writers to whom they are attributed and are not a statement of official policy by AIANH, unless so stated.

Visit our Website at www.aianh.org

NH Forum

Perspective

Point of view from the president of AIANH



Karolina Burt AIA
President 2013

Summer has always been considered *the cucumber season* by the Polish media. It is often the time when nothing important happens so the reporters have to invent stories or report on things that otherwise would have been neglected. This is my version of *the cucumber season* article.

This June I spent a few weeks in Poland. There was no time for sight seeing, so I did the second best thing – shopping in the large book and magazine store. As a result I came back home with three magazines.

The first one is titled *Archivolta - Digitally Designed Architecture – Structure, Design, Interior, Art* (www.archivolta.com.pl \$4.87); the second, titled *architektura&biznes* aka *architecture & business* (www.architekturaibiznes.com.pl \$4.61), and the last is *Architektura* aka *Architecture* (www.architektura.murator.pl \$4.61)

The article by Aleksandra Sowa in the last of the three magazines caught my eye – and no wonder – *Renovation of the McDonald's Restaurant*. You would never catch me going to McDonald's in US, but after reading the article I can't wait to visit one in Europe,

even if just for the experience.

The renovation of the restaurants began in the late nineties when it was noticed that the European clients did not enjoy the American form and style of the fast food giant. That notion and the growing interest in preserving the natural environment and sustainability, were determined as the reasons for declining popularity of McDonald's.

Atelier Archange from Paris created the overall concept and specifications for the renovation that was adopted by other countries. All of the 304 Polish McDonald's went through the process that lasted eight years.



Revised way of ordering food that separates order area from pick up area



Updated Exterior

Continued on p. 13

Emerging Professionals Network

by Matt Lawton Assoc. AIA, AIANH Associate Director



I want to take this opportunity to announce this year's AIANH 2014 Emerging Professionals Design Competition. The competition was created to provide an opportunity for interns and young architectural professionals to strengthen their design skills, gain recognition, and assist a community with their design challenges. This competition was created in 2003, and is supported by AIANH and AIANH's Emerging Professionals Network. It is open to all architectural interns and architects within five years of registration throughout New England. Past competitions have garnered entries from the Boston area to Maine, across New Hampshire and into Vermont.

This year's design competition centers on designing a visitor's center for Great Island Commons in New Castle, NH. The site has cultural and historical significance to the town, is a gathering place for locals and families throughout the year, and is a common destination for cyclists in the area. The

program envisions the site as a gathering point for the town, providing improved service elements, reflect the town's military history, and amenities with the consideration of the public realm. Proposals reflect sustainable practice and design ideologies and principles, such as building orientation, renewable materials and resources, water management, and other fea-

Sign up today for the 2014 AIANH Emerging Professionals Design Competition. This competition, with cash prizes, is open to all emerging professionals in New England. Complete guidelines are at aianh-epdc.weebly.com.

tures. There is no particular design style, but it should be sympathetic to the coastal designs.

The winning entries are selected by a jury and will be announced and awards at the AIANH Awards Banquet in January 2014 at the Labelle Winery. All entries will be on a display at the banquet. The top three submissions will receive a cash award. A presentation of the projects may be made by the entrants for community review.

If you are interested, please register for the competition by emailing matt@agarchitects.com with your name indicating your intent to submit a design board and include your address, firm you work for, year of registration if applicable, and a contact phone number. Complete guidelines, including program outline, site drawings, photographs, site information, questions and answers, and a registration form are available online at aianh-epdc.weebly.com. Please spread to word to all your emerging professionals, as membership in AIA is not required to submit for this competition.

If you or anyone you know would like to be added to the email contact list, please send a quick email to matt@agarchitects.com and you will be added to our list of announcements. ■

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Seven New AIA Contract Documents

AIA Contract Documents recently released seven new documents including the new BIM and Digital Documents, a new document family, Program Management; and three free guides on June 20. The new documents are:

B171™-2013, Standard Form of Agreement Between Owner and Design Manager for use in a Multiple Project Program

B172™-2013, Standard Form of Agreement Between Owner and Architect for Architect of Record Services

C171™-2013, Standard Form of Agreement Between Owner and Program Manager for use in a Multiple Project Program

E203™-2013, Building Information Modeling and Digital Data Exhibit

G201™-2013, Project Digital Data Protocol Form

G202™-2013, Project Building Information Modeling Protocol Form

C106™-2013, Digital Data Licensing Agreement

D503™-2013, Guide for Sustainable Projects, including Agreement Amendments and Supplementary Conditions. Free!

Guide, Instructions and Commentary to the 2013 AIA Digital Practice Documents. Free!

Guide to AIA Contract Documents for Small Projects: Resources for Small Project Practitioners, including Small Firms, Sole Practitioners and Custom Residential Architects. This free guide was developed in conjunction with AIA groups that focus on small firms and small projects. This useful guide includes:

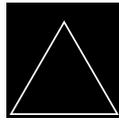
- Helpful information to help you select the most appropriate document
- Reference material related to small projects
- Links to Small Project Practitioners resource centers, knowledge communities and websites for education and training.

Get the Free, Guide for Small Projects at www.aia.org/smallprojectsguide. Free!

All the new documents are available in the latest version of the AIA Contract Documents software and several are available through AIA Documents-on-Demand. ■

When is the Best Time to Consider Water Quality in a New Building?

by Steve Guercia



Over the last 20 years, in the hundreds of commercial applications that we've been involved in, it has been shown that the time to consider water treatment is NOT just before the facility is going to open. Addressing water quality early on offers the most flexibility, resulting in an efficient and economical solution. Consider the situation below;

A call comes in on a Tuesday afternoon from a new day surgery center in Nashua. They ask, "We are scheduled to open next Monday and need water treatment installed by this Friday; can you do it?" This medical facility is on city water and no one had yet considered the special water requirements of the steam generator and the autoclaves until they turned them on to be tested.

Their steam generator was located in the mechanical room. The three autoclaves were located in various parts of the building. Since none of these systems require high flow or volume, the best solution *would have been* to treat all the equipment with one treatment system located in the mechanical room. Since this medical building was already finished, and even if one water treatment system serving the boiler and autoclaves was adequate, expenses to run the new plumbing from the mechanical room to the three autoclaves would have been more expensive than if planned for in the initial design.

Ultimately, we installed one water treatment system in the mechanical room for the boiler and installed another water treatment system in a janitor's closet for the three autoclaves. It was still necessary for us to get into the suspended ceiling to modify the existing plumbing needed so all three autoclaves could receive treated water from the one dedicated treatment system. The associated costs for plumbing modifications would've been even more if their ceiling was made of sheetrock and not a suspended ceiling.

During any building design process, consideration should be made of the water; its quality, its application and its plumbing. This surgical center had to install two water

treatment systems and replumb part of their existing system because it was too late to plumb a dedicated pipe to the autoclaves from the mechanical room. The entire treatment system could have been very easy and inexpensive if included at the right time in the design. The water treatment systems installed after this medical building was finished, doubled the cost when compared to the cost of incorporating treatment into the building's design early on.

Establishing a relationship with a water treatment company that will work with you in the design phase of a new building is a good investment of time and attention. Identification of any water treatment requirements and the associated issues ahead of closing in walls and ceilings makes good sense. Even city water supplies that have very low mineral content like Salem, Manchester, and Concord, can have significant impact on equipment when making hot water or steam.

We at Secondwind Water Systems believe that mentioning water early on in a building's design allows for the most efficient and economical water treatment solution possible. ■

— Steve Guercia is the Manager of Engineered Systems for Secondwind Water Systems. He is a Water Specialist certified with the Water Quality Association at the highest level, is a NH Licensed Water Treatment Operator and has over 25 years of experience improving water quality for New Hampshire businesses and residents.

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ArchiPAC Donation to Senator Shaheen

ArchiPAC, AIA's bipartisan political action committee, recently donated \$2,000 to Senator Jeanne Shaheen's campaign fund. Funded by AIA members' voluntary contributions, ArchiPAC is the tool that architects use to voice the AIA's positions to our nationally elected leaders on issues affecting the built environment, our profession, our communities, and our practices. ArchiPAC serves as the single voice for the architecture profession on the national political scene.

Senator Shaheen was the recipient of this gift specifically for her efforts on S.1392, the latest version of energy efficiency legislation proposed by Senator Shaheen and Rob Portman (R-OH). The Shaheen-Portman bill is a mix of incentives and other largely voluntary measures to spur adoption of commercially available efficiency technologies.

When lawmakers return to Washington on September 9 this bill will be one of the first orders of business. The Senate may vote on an amendment that would remove 2030 sustainability targets for federal buildings that AIA members worked very hard to put into place six years ago.

The federal government is an important leader when it comes to driving innovation and technologies related to energy efficient and sustainable design. Particularly when it comes to designing buildings that hit our 2030 Challenge targets, the federal govern-

ment's leadership demonstrates that these targets are achievable today. That is why AIA strongly supported Congress' adoption of the 2030 Challenge targets in the Energy Independence and Security Act of 2007. This provision, found in Section 433 of the statute, requires that all new and majorly renovated federal buildings hit targets that reduce fossil fuel consumption leading up to zero consumption in 2030. However, there is an effort in the Senate to repeal these targets led by fossil fuel energy groups. The AIA is fighting to maintain these targets so that the federal government remains a leader in driving innovation throughout the industry.

How the Senate votes in the coming weeks will determine whether architects can continue making federal buildings more sustainable, or whether Washington rolls back policies that help save energy and lower taxpayer costs.

The bill passed through the Senate Energy Committee on a strong bipartisan vote of 19-3 and has received resounding support from a broad coalition of business, labor and environmental leaders. A study by experts at the American Council for an Energy Efficient Economy found that last year's version would have saved consumers \$4 billion by 2020 and helped businesses add 80,000 jobs to the economy.

The vote may have happened by the time you read this, and we can only hope

that Section 433 was maintained. You may have received an email to sign on to a letter signed by business supporting the 2030 targets, and hope you were able to help in the effort.

For more about this issue and other AIA Government & Community Relations activity, go to: www.aia.org/advocacy ■



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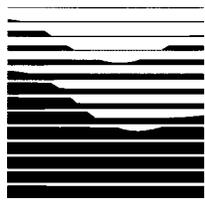
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Photo: Senator Jeanne Shaheen's Campaign committee was presented with a contribution from ArchiPAC at a recent event in Manchester. Presenting the check were AIANH President Karolina Burt AIA and Board Director Sheldon Pennoyer AIA.



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GSLA Speaks at 19th Annual OEP Planning & Zoning Conference

by Jennifer DiNovo, PLA, ASLA

In an effort to reach out to and establish new relationships with the Planning Community in New Hampshire, the Granite State Landscape Architects held a session at this year's OEP Annual Spring Planning and Zoning Conference. The conference was attended by over 300 municipal officials that participated in 21 sessions.

The focus of GSLA's session was "Integrating Landscape Design into Development Projects" and was moderated by Susanne Smith Meyer, PLA, GSLA President. Panelists included Jennifer DiNovo, PLA, Regional Planner, Nashua Regional Planning Commission, Becky Hebert, Senior Planner, City of Concord, Peter N. Julia, P.E., Senior Civil Engineer, Farmhouse Land Development PLLC, and Sandy Crystall, Environmentalist III, NH Department of Environmental Services and member of the Bow Planning Board. The panel discussed the benefits of including requirements in municipal planning regulations, particularly for the submission of landscape plans for major commercial and residential development projects to be prepared by licensed landscape architects. Time was spent explaining what a landscape architect does, education and requirements to become a licensed landscape architect, the type of work that landscape architects are qualified to perform, and good examples of plans prepared by licensed landscape architects.

The panelists also spoke about their personal experiences on planning boards, as professional planners, engineers and Landscape Architects and how municipalities would benefit from landscape plans that are prepared by LA's. In addition, the panel discussed the importance of a quality planting plan that is sustainable and the deficiencies in landscape plans that are prepared by other professionals such as engineers, surveyors, and architects.

In July 2006, Landscape Architects became licensed in New Hampshire. There are currently 91 licensed LA's in NH, of which 34 reside in NH. With licensure, municipalities now have the

regulatory support to include Landscape Architects in land use planning and design. Licensed Landscape Architects can help New Hampshire communities move toward more attractive and sustainable developments. The panel discussed a few ways planning professionals can utilize Landscape Architects:

Encourage Planning Boards to amend site plan and subdivision regulations. To help ensure quality, best management practices and sustainability, a New Hampshire licensed Landscape Architect should prepare and stamp all landscape plans. Currently, six municipalities have regulations to this effect.

Propose and support land use regulations to include Landscape Architecture in all large-scale development projects. Many municipalities have adopted "overlay" zones such as mixed-use or performance zoning that would benefit from including the expertise of landscape architects. Our education and training includes knowledge of allied fields which helps us see the "bigger picture" rather than its individual parts.

Include NH Licensed Landscape Architects in RFQ's and RFP's. You don't need to go out of State to find well qualified Landscape Architects for urban planning projects, athletic fields, municipal complexes, parks, etc. Talented and skilled professionals are right here in New Hampshire.

At the conclusion of the presentation, attendees asked questions regarding planting design, plant materials, how to make recommendations on planting material when a building permit is pulled, how to prevent developers from clear cutting single family lots, recommendations on design review regulations, and how to establish a design review committee.

Susan Slack, Assistant Planner from the NH Office and Energy and Planning informed GSLA that "the Landscape Design panel was well received!" GSLA is looking forward to coming up with a new session for next year's OEP conference. ■



PLAN NH

Visioning for Sustainable Communities

Notes from Plan NH

Plan New Hampshire, The Foundation for Shaping the Built Environment (Plan NH), is a 501(c) 3 non-profit organization formed in 1989.

Our purpose is to contribute to the quality of life in New Hampshire communities by promoting excellence in sustainable planning, design and development of the built environment. We are also strong champions of Smart Growth.

Our New Hampshire-focused membership is comprised of architects, landscape architects, engineers, planners, contractors and others with an interest in promoting and implementing environmentally, economically and socially sustainable communities. This diversity of membership brings a unique variety of views and perspectives to our approach to shaping New Hampshire's built environment.

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Plan NH

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Spring 2013 Visualizing Density Award Winners

Eight examples of compact, walkable design were honored in June at the Spring 2013 Visualizing Density Awards at Red River Theatres in Concord, which was hosted by Plan NH and New Hampshire Housing. The New Hampshire Housing/Plan NH Visualizing Density program is meant to gather examples of what good density, or compact design, can look like right here in New Hampshire – whether in small cities, traditional town centers, or even in rural settings.

Julie Campoli, nationally-renowned author and lecturer on the topic of density, was a special guest and keynote speaker.

Density, or compact design, is becoming increasingly important as a planning tool as communities face balancing considerations for their futures with diminishing resources, shifting demographic profiles, changing weather patterns, and the Triple Bottom Line (the social, economic and environmental fabric of the town and region).

The award winners listed below were selected by a jury of professionals from multiple disciplines related to the built environment. Winners will be included in a planned NH Density Database, which will be developed for use by planners, developers and citizens alike to better understand compact design and apply lessons learned in their own unique situations. While the focus is residential, examples of existing or proposed mixed-use were encouraged.

Category: Neighborhoods

Traditional: Parkhurst, Elm and Allen Streets in Lebanon. Nominated by the Town of Lebanon.

Conceptual: 20-90 Mascoma Street in Lebanon. Nominated by Doug Sonsalla of Studio Nexus, Architects + Planners of White River Junction.

Rural: Nubanusit Neighborhood in Peterborough. Nominated by Sheldon Pennoyer AIA, Sheldon Pennoyer Architects and Carol Ogilvie, Planner for the Town of Peterborough.



Old Blacksmith Shop, Newmarket, proposed

Category: Adaptive re-use of historic properties

Traditional: Union Mill, Peterborough. Nominated by Carol Ogilvie, Peterborough Town Planner.

Conceptual/proposed: Old Blacksmith Shop, 13 Water Street, Newmarket. Nominated by Curtis Boivin AIA, AEC Group.

Rural: Greenfield Meeting House, Greenfield. Nominated by Robert Marshall of the Town of Greenfield Planning Board.

Category: Urban In-fill

Haymarket Square (480 State Street), Portsmouth. Nominated by Lisa DeStefano AIA of DeStefano Architects, Portsmouth.

Category: Visualizing Redevelopment

River Corridor Case Studies, Bedford. Submitted by Rick Sawyer, Planning Director, Town of Bedford.

First Round Awards:

(Note from AIANH Editorial Board: Somehow the first round of the Visualizing Density Awards awarded in December 2012 were not published in the *NH Forum*. They are listed below.)

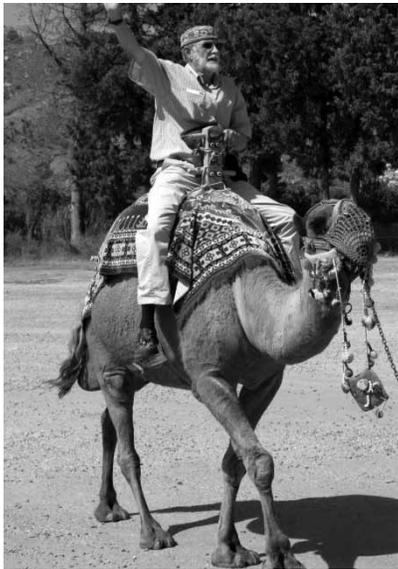
Category: Best Rural/Suburban Design – South Concord conceptual housing, Concord Municipal Housing Commission; Jeffrey H. Taylor and Associates, Kyle Barker AIA of Barker Architects, Fitz Design, and Nobis Engineering.

Category: Best Adaptive Re-use – Durham Grange Hall, developer Peter Murphy and Nicholas Isaak AIA, Isaak Design PLLC.

Category: Best Infill Project – 10 Pettee Brook Lane, Durham: Nick Isaak AIA, Isaak Design

Category: Best Historic Redevelopment –

Continued on p. 12



Local Tourist Transportation Outside Amphitheater

Ancient Treasures in Turkey – Part V

Text and photos by Bruce Hamilton AIA

Parts I, II, III, and IV of this series were published in the March, April, May, and June NH Forums.

The province of Antalya lies along the Southern Mediterranean shores of Turkey, about 300 miles in length, separated from the mainland by the Taurus Mountains. Besides a wonderful climate in Antalya, modern times mingle with the ancient; every corner of the region offers two hundred thousand years of human history spanning from the Neanderthal man to other various cultures and civilizations. Every side track brings the tourist into the ecstasy of exploring into the mystical ancient.

In antiquity, Aspendos which boasts the best preserved Roman Theater in Turkey is well worth the visit for the theater itself. Almost everyone has the same opinion of the theater of Aspendos; it is one of the best and most advanced achievements of Roman theater architecture that has ever existed.

The theater stands on the eastern slope of a small hill on the east side of the city. Visitors

enter the theater by the middle door of the stage-building, but this is not the entrance that was used by ancient audiences. Entrances belonging to that period are the two side doors called *parodoi*, which are covered by vaults.

Like all other ancient theaters it can be examined in three main parts, as an orchestra, auditorium and stage-building. The auditorium or *cavea*, is the stepped part, semi-circular in plan, on which the audience would sit. Although it is partly supported by the slope of the hill, most of the building with its high rows of seats rests on vaults. The *cavea* consists of two parts separated from each other by a horizontal passage called the *diazoma*. The lower part has 20 rows of seats; the upper part has 21 seats made of good quality limestone blocks. The top most row of the upper *cavea* is surrounded by a gallery of 59 vaults.

The orchestra is the semi-circular area between the stage-building and the seating, the central area of the theater. Passing through the entrance, today's visitor will reach the orchestra directly.

The stage-building is still standing to its full height, with its top as high as the upper vaults

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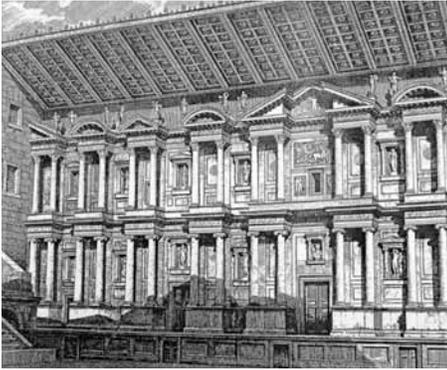
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Photo of Cavea Where the Audience Would Sit



Artist Rendering of the Original Inner Wall of the Stage-Building

of the auditorium. It is composed of clean-cut conglomerate blocks, two stories high. The lower floor has 5 door openings from outside onto the orchestra that were used by actors. Over the doors, there are four rows of windows of varying sizes and shapes. Above and below the top row of windows are projecting blocks pierced with holes; these held upright masts from which a great awning was suspended over the spectators.

The inner wall of the stage-building, which formed the back wall of the stage, was entirely covered by marble and very richly decorated. There were originally



Upper Cavea Surrounded by Vaults

two ranges of 40 free-standing columns, one above the other, and the numerous niches had pediments supported by smaller columns, in the niches stood statues. The top of the magnificent stage-building was covered by a wooden roof which was built out from the inner wall with a backward slope. This roof was mainly to improve the acoustics, not to shelter actors. The most important specialty of the Aspendos Theatre is the perfect acoustics, so that speech

even in a normal voice in the orchestra can easily be heard from the upper gallery.

Ancient performances at Aspendos were funded by civic institutions and admission was charged by attending plays and competitions. Tickets made from bone, ivory, metal or fired clay inscribed with row and seat numbers were issued to patrons. Performances continue at Aspendos today in the form of music concerts, opera and ballet. Perhaps most notable is the International Opera & Ballet Festival which makes significant contributions to Turkey's international promotion by bringing the extraordinary acoustics of 2,000-year-old Aspendos Antique Theater together with the nature of art that reaches beyond the boundaries of language, religion and race. An average of 8,000 spectators has been attending each performance, of which 70% are foreign visitors. With its increasing spectators year by year, Aspendos International Opera and Festival has become a visual carnival where history, music and a large number of people from several nations come together. ■



Photo of Partial Inner Wall Today

Details...

Milestone Engineering & Construction, Inc. has completed the renovations to the Odd Fellows Hall Building at 434 Lake Ave in Manchester, for the City of Manchester. The project was designed by **CMK Architects P.A** of Manchester.

The historic building which dates back to the early 1900's was completely renovated and will be the new home of the Manchester Community Resource Center, Inc., and the organization of Immigrant and Refugee Success and The Way Home.

North Branch Construction has completed the construction of a new residence hall on the Southern New Hampshire University campus. **JSA, Inc.** of Portsmouth provided architectural services for this project.

This four-story building will serve as a co-ed dormitory with over 300 beds. It is located behind the Hampton and Windsor Dormitories at the end of East Side Drive. Students were given the opportunity to name the residence hall by voting on a list of ten New Hampshire-inspired names and the winner was Tuckerman Hall. Design and construction of Tuckerman Hall was completed ahead of time, surpassing an aggressive schedule in order to be ready for students to move in for the August semester start.

AIANH EVENTS Continued from Page 1

event will include a tour of the facility with the architects and design team, presentation, sponsor displays, and reception.

The new Visual Arts Center is designed to achieve a LEED Gold rating. The project utilizes a high performance envelope including foam insulation and triple-glazed windows. HVAC systems direct exhaust air through high efficiency heat recovery wheels. The building incorporates a wide variety of energy saving technologies, including in-floor and chilled beam radiant heating and cooling, occupancy sensors for lighting and ventilation, rainwater collection and reuse, daylight harvesting and daylight sensing lighting systems.

Thanks to our sponsors for this event: Office **Resources/Knoll, Yusen Associates, and AW Hastings Windows and Doors.**

Don't miss this! 2 *AIA LUs (HSW) applied for.* Register at: www.aianh.org/news/aianh-events.

September 12: We won't say too much about this event here (see August issue), as it may be over by the time you receive this. It is a tour and presentation on the **Passive House Montessori School** in

Hollis. We hope you were there. If by chance you get this beforehand, register at www.aianh.org/news/aianh-events.

September 19 : Legal, Contracting and Insurance issues for Design Professionals, presented by AIANH. Instructors are Jeffrey Alitz, Thomas McCraw, Matthew Leary, and Michael Weinberg, attorneys from LeClairRyan; Brett Gough, insurance broker from Ames & Gough; and John Donovan, a recently retired claims representative at CNA Insurance Co.

At this informative session we will receive a concise overview of recent legal decisions that impact your profession, an exercise that should help design professionals potentially avoid claims. You'll also learn pointers on

drafting contracts to maximize your ability to get paid, to avoid claims, and to minimize the impact of claims.

The features of design professional insurance will also be reviewed, with tips on what to look for in procuring insurance and how to select the most appropriate coverage and terms. Lastly, you will learn how to effectively respond to a potential claim, as well as an actual claim. A proactive response reduces the impact on the design professional's practice and insurability.

Don't miss this important program! **3 AIA LUs.** Register at: www.aianh.org/news/aianh-events.

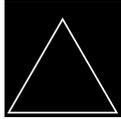


Black Family Visual Arts Center, Dartmouth College

October 15: Our popular **AIANH Education Day** at the McLane Audubon Center in Concord will offer up to 7 AIA LUs (HSW), we'll hear from Margaret Dillon about *Envelope Matters: Design Decisions for Low Risk, Energy Conserving, Building Envelopes*; Jerry Tepe FAIA with a *2009 IEBC Overview*; Med Kopszynski on the *Status of 2015 IECC* (many issues) and an *Overview of the 2012 IGCC*. Oliver Klein will talk about *Foam Free High Performance Building Enclosures*; and Mark Froling on *Wood Heating and District Heating*.

Plan to attend for lots of helpful information plus lots of continuing education credits. Register at: www.aianh.org/news/aianh-events. ■

Volunteer for our the NH Disaster Emergency Response Team



Back in 2005 and 2006, serious floods occurred in New Hampshire and throughout New England. The October 2005 flood seriously damaged Alstead, among other communities, and the 2006 Mothers' Day Flood caused more major damage throughout the state, estimated to be well into the tens of millions of dollars.

In 2011 Hurricane Irene caused more flooding and damage throughout the state and New England, and numerous storms since have created flash floods with serious damage.

Now, AIANH and a group of engineers and building contractors is working together to set up a NH Disaster Emergency Response Team. This network will be able to help prepare for, respond to, and recover from disasters. We have a Task Force that is working with the State of NH Homeland Security and Emergency Response officials to create a formal connection and active call system. Volunteers will become familiar with the state response resources and undergo training through AIA and the California Emergency Management Agency Safety Assessment Program (SAP), which have created courses based on the Applied Technology Council's (ACT) Safety Evaluation Procedures for Buildings After Windstorms and Floods and its Post-earthquake Safety Evaluation of Buildings.

Would you like to volunteer to be part of this team? Why? Nationwide one disaster occurs in a week, and at least 10 major di-

asters occur a year. Architects as individual responders are uniquely qualified to evaluate the safety of a site and structure. We are natural problem-solvers and planners, and so suited for the complex situations brought on by a disaster.

As a second responder, you would work in a small team to assess structures to determine if residences are safe for the occupants to return to stay, if homeowners are allowed to enter to retrieve possessions, or whether the structure is no longer safe to enter. This procedure allows residents to return to their homes more quickly while protecting the safety of everyone.

The group started with a number of people who volunteered through AIANH after the 2005 and 2006 floods. At that time, however, no one was trained and our efforts were limited due to liability issues. We are now working through those with the State. Also, four of our members completed the SAP training in 2011 and are certified. (Paul Bourbeau AIA, Amy Bailey AIA, Jonathan Hallé AIA, and Tom House AIA.)

We are now planning a training session here in New Hampshire and have at least 16 other people who are interested. We are aiming for a Saturday this November. You'll be hearing more about the date and details.

If you would like to be involved with the NH Disaster Emergency Response Team please contact the AIANH office, office@aianh.org or 603-357-2863. ■

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Send us the information and we'll print it in our "Details..." columns. Email to office@aianh.org. Photographs can also be used (300 ppi).

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Continued on page 11

Details...

Ridgeview Construction has completed a net-zero residence for Peter and Pauline Schuller, who now have the capability of being close to 100% off the public utility grid with a 5kw solar system.

To boost the home's solar stock, Ridgeview called on the SEA Solar Store in Barrington. The resulting space-and-water heating system – a combination of an air source heat pump, six-collector solar thermal system, storage tank, and solar PV system – maximizes the efficiency of the heat pump by running it at optimum times in order to build up hot water storage.

Despite extended bouts of shade and rain, the system has thus far performed well above expectations. And thanks to a state-of-the-art digital monitoring system, the clients and Ridgeview Construction are only one click away from keeping tabs on the system's progress.

Where the home's system really begins firing, however, is when the power isn't. Thanks to a solar-powered battery backup system, any time the power goes out, all of the systems – including a 1200 gallon hot water storage tank, air-source heat pump, and 6-panel photovoltaic array – can remain up and running.

Though not a necessary aspect of a net-zero home, the battery backup gives the home an added advantage.

Ridgeview also took special care to reinforce the building envelope. Thanks to its double studded exterior walls and triple-pane windows, the house meets all requirements for being passive solar.

PLAN NH, Cont'd from page 7

Newmarket Mills, Eric Chinburg, Chinburg Builders

Category Best Urban Design – Portwalk, Portsmouth, Pro Con, Inc.

More information on all of these awards may be found on the Plan NH website, under Awards.

Plan NH conducted its 53rd charrette in North Hampton in June. In November we will be in Milford (1-2) and Hanover (8-9). There is a "mid-cycle" call for Charrette applications, due Oct. 1. Go to the Plan NH website and click on "charrettes" for more information and an application form. ■



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BURTT, Cont'd from page 2

New restaurants are divided into three areas: McCafe, Gym&Fun, and main dining room. McCafe features wood, stone and glass, plus comfortable seating, attractive prints, and mood lighting. **Photo 3, 4** The design of the main dining room varies, based on the type of consumer.



McCafe

If mostly families frequent the restaurant, the tables sit 4-6 people; if the restaurant caters to young adults, tables can sit larger groups. Gym&Fun has a mini basketball court, labyrinth, and stationary bikes! **Photo 5**

There are eight designs that vary in style, colors and materials as well as layout. For example Eternity is designed for middle-aged people – elegant interiors with geometrical elements and wood veneer. LIM (Less is More with four design options **Photo 6, 7**) has light furnishings, bright accent colors, and interiors inspired by street art and graffiti.



Gym&Fun

The media campaign that accompanies the renovation stresses the fact that these projects are sustainable and environmentally friendly. For example in every country local businesses constructed furniture and were responsible for every element of the interior design. The new, modern McDonald's use wind energy, segregate trash, and convert canola oil to biodiesel; plus basic grocery items are sourced locally. I truly can't wait to visit and admire! ■

Some of the information for this article came from the following websites: <http://info.wiadomosci.gazeta.pl/szukaj/wiadomosci/restauracji+mcdonald>; <http://info.wyborcza.pl/temat/wyborcza/restauracji+mcdonald>; <http://mcdonalds.pl>. Photographs are from Architektura and photographers were not noted.



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Details...

With the addition of more employees and additional design services, **Bonin Architects & Associates, PLLC** outgrew the space they leased for the past four years. Now they have moved into an office building they purchased at 210 Main Street in New London, which underwent extensive interior renovations. In addition to architecture firm, there are other tenants, including Sage's and Brilliance Painting.

Bonin Architects & Associates includes six design professionals working on residential, light commercial, and landscape architecture as well as construction administration.

Job Opportunities, Positions Sought

Job listings and positions sought listings are on the AIANH website: www.aianh.org/careers. To submit an ad, please email ad text to office@aianh.org. Job opportunity listings are free for AIANH members and \$80 for four months for non-members. Listings for Positions Sought are free for everyone. Please include your contact information with your ad listing.



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Sketch of the Month

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Mark Moeller AIA, JSA Inc.

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Construction Summary

Project Type: Main Building ADA Restroom Upgrades & Window Replacement (NH State Hospital Campus)
Location: Concord, NH
Owner: State of NH
Architect: Oak Point Associates
Gen. Cont.: Pellowe Construction LLC

Project Type: Field House Heat Exchanger (UNH)
Cost: \$599,500
Location: Durham, NH
Owner: University of NH
Architect/Engineer: Harriman Associates
Contractor: Careno Construction Co.

Project Type: East Facade Masonry Repairs (Central High Practical Arts Auditorium)
Cost: \$184,545
Location: Manchester, NH
Owner: City of Manchester
Architect: J5 Architects
Engineer: WJE Associates
Contractor: Chapman Waterproofing

Project Type: North Hampton School Renovations
Location: North Hampton, NH
Owner: SAU 21-Winnacunnet & North Hampton School Districts
Architect: Barker Architects PLLC
Const. Mgr.: Bonnette Page & Stone

Project Type: CDNA Office Renovations
Location: Lebanon, NH
Owner: Owner - c/o Construction Manager
Architect: David Laurin AIA; Leading Edge Design Group
Contractor: Broadview Construction Corp.

Project Type: Parking Garage 3rd Level Expansion
Location: Concord, NH
Owner: Concord Hospital
Architect: Cowan Goudreau Architects
Const. Mgr.: Gilbane Building Co.

Project Type: Town Hall Renovation & Expansion
Cost: \$848,729
Location: Thornton, NH
Owner: Town of Thornton
Architect: Alba Architects
Gen. Cont.: CCI Inc.

Project Type: McConnell Hall Renovations (Design/Build)
Location: Durham, NH
Owner: University of NH
Architect: JSA Inc.
Design/Build Contractor: North Branch Construction

Project Type: Construction Management Services (Level 1 Renovation)
Location: Lebanon, NH
Owner: City of Lebanon
Architect: Sheerr McCrystal Palson Architecture Inc.
Const. Mgr.: ReArch Co.

Project Type: Credit Union Branch Renovations & Expansion
Location: Derry, NH
Owner: Triangle Credit Union
Architect: Amoskeag Architectural Group LLC
Engineers: MHF Design Consultants Inc., Engineered Building Systems Inc., Integrated Engineered Systems, Trexler Engineering
Gen. Cont.: Maple Leaf Construction Co.

Project Type: Renovation of Rhodes Hall for New Nursing Laboratory
Cost: \$500,000
Location: Keene, NH
Owner: University of NH
Architect: Lavallee/Brensinger PA
Const. Mgr.: Engelberth Construction

Project Type: DPW / Police Department Envelope Upgrade
Cost: \$115,994
Location: Bow, NH
Owner: Town of Bow
Architect: HL Turner Group
Gen. Cont.: Colonial Green Products

Project Type: Apartment Building (6 Units)
Cost: \$878,000
Location: Manchester, NH
Owner: Housing Benefits Inc.
Architect: John Jordan Design PLLC
Engineers: Meridian Land Service, WV Engineers, Great Bridge Properties, Steffensen Engineering
Gen. Cont.: Hutter Construction Corp.

Project Type: Rite Aid Store Renovations
Location: Allenstown, NH
Owner: Rite Aid Corporation
Architect: Bruce Ronayne Hamilton Architects
Gen. Cont.: Coastal Construction Corp.

Project Type: Structural Framing Repair 1956 Wing (Alton Central School)
Cost: (Base Bid + Alternates) \$415,546
Location: Alton, NH
Owner: SAU 72-Alton School District
Architect: CMK Architects
Gen. Cont.: Laplante Builders

Project Type: Havenwood Heritage Heights North End Campus - Independent Living Redevelopment
Location: Concord, NH
Owner: Havenwood Heritage Height
Architect: Lavallee/Brensinger PA
Engineers: Nobis Engineering, Rist Frost Shumway Engineering, Souza True & Partners
Landscape Architect: Keith Wagner Associates
Const. Mgr.: Cobb Hill Construction

Project Type: Langdon Public Library Addition & Renovations
Location: Newington, NH
Owner: Town of Newington
Architect: Lavallee/Brensinger PA
Const. Mgr.: Bauen Corp.

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Calendar of Events

Sept 12 A Passive House School: The Hollis, NH Montessori School, AIANH Chapter Meeting, 5:30pm to 8:45pm, tour, presentation, reception, 1.5 AIA LUs (HSW). www.aianh.org/news/aianh-events

Sept 16 Building Code Seminar: NH Accessibility Codes, 9:00am to 4:30pm, White Mountain Hotel, North Conway, NH. Comprehensive interactive seminar that will provide valuable information needed to apply NH Building Code and accessibility requirements during building design, construction and review. Presented by Bergeron Technical Services. www.aianh.org/news/aianh-events 6 AIA LUs (HSW)

Sept 19 AIANH presents an Update on Legal, Contracting and Insurance Issues that Affect Design Professionals, 5:00 pm to 8:00 pm, Lavallee Brensinger Architects. 3 AIA LUs . www.aianh.org/news/aianh-events

Oct 2 AIANH / AIAVT Tour of the Black Family Visual Arts Center at Dartmouth College, 5:30pm to 8:45pm. AIANH and AIAVT come together for a joint Chapter Meeting at the new Black Family Visual Arts Center at Dartmouth College designed by Machado and Silvetti Associates. Presentation, tour, reception. 2 AIA LUs (HSW) applied for. www.aianh.org/news/aianh-events

Oct 5 AIA New England Conference & Design Awards, 8:00am, The annual AIANE Conference will be held in Worcester, MA, the second largest city in New England with world-class hospitals, industries, universities, museums, concert halls, contemporary and historic architecture, restaurants and diners. Watch for more information on the exciting program AIA Central MA is planning for both fun and AIA LU's. www.aianh.org/news/aianh-events

Oct 15 AIANH October Education Day, 8:00 am to 4:45 pm, Audubon Center, Concord. 7 AIA LUs (HSW) www.aianh.org/news/aianh-events

Oct 24 Plan NH and the HBRANH present a Randall Arendt workshop: *Blending Greenways, New Urbanism and Conservation Design*, 3:30-9:00 pm, NH Housing Finance Authority, Bedford, NH. Call the HBRANH at 603-228-0351

We Need More Photos!!! Do you have an interesting photo? Why not send us one to print? 300 ppi jpegs, approximately 4 x 6 inches, BW or color. Send along a title, brief caption if you like, and your name, to office@aianh.org.

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Photo of the Month



Holocaust Memorial, Berlin, Germany, designed by architect Peter Eisenman and engineer Buro Happold. An attached underground "Place of Information" holds the names of all known Jewish Holocaust victims, obtained from the Israeli museum Yad Vashem. Building began on April 1, 2003 and was finished on December 15, 2004. It was inaugurated on May 10, 2005, sixty years after the end of World War II. It is located one block south of the Brandenburg Gate, in the Friedrichstadt neighborhood. **photo by Jonathan Morin, son of Michael Morin AIA.**