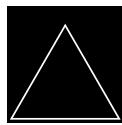


NH FORUM

For those who shape the built environment

Programs to Expand your View



We have some interesting programs coming up later this summer and in the fall. Mark the dates down, register, and please join us for the following:

August 14: ABC/AIA Seacoast Harbor Cruise & Networking Reception. Join ABC NH/VT, AIA New Hampshire, and AIA Maine for a seacoast harbor cruise aboard the M/V Thomas Laighton out of Portsmouth. This is a fun event with a beautiful tour of the harbor

and out to the Isles of Shoals, as well as a great opportunity to connect with other building industry professionals. Register with ABC pdf form at: www.aianh.org/news/aianh-events.

September 4: Joint AIANH / GSLA program at The Fells Historic Estate & Gardens, one of New England's finest examples of an early 20th-century summer estate. On Lake Sunapee in Newbury, NH, the 22-room Colonial Revival home and surrounding 83.5

Continued on page 18

The 2015 AIANH Excellence in Architecture Design Awards Call for Entries is now available at www.aianh.org/design-awards/call-for-entries.

Published by

AIA New Hampshire

with contributions

from the Granite State

Landscape Architects

and Plan NH

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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.

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Perspective

Point of view from the president of AIANH



Shannon Alther AIA
President 2014

Welcome to the unofficial AIA National Convention article. This year the Convention was held in Chicago, June 25-June 28.

Chicago is an amazing city and proved to be a great host for the AIA membership. Tours and activities allowed for many options to see the city and architecture, and the count of architects attending was around 22,000.

For those of you who have never gone to an AIA National Convention, make a point to do so in the near future. It is a great opportunity for education and to be a part of the culture and business aspect of the AIA. Knowing how the AIA operates (especially in this repositioning time) is important. Being part of the AIA is how most of us make our living and change the communities in which we practice. For those of you who are not AIA members, it is worth the time if you can swing it.

The reason for the Convention is to learn about new products and processes in our field, attend educational sessions (and get those necessary learning units), conduct National AIA business, including voting on by-law updates and AIA National Board Members. There is also the opportunity to meet with fellow architects and learn about the city where the event takes place.

Something that was really interesting at the Convention came from Ed Mazria FAIA. Ed is the force behind AIA 2030 and has done an amazing job pushing the environmental ef-

fort for reducing and eliminating green house gases. The building industry is one of the top producers of CO₂ gas, and as designers, we are uniquely qualified to insist and inform our clients on how to create exciting buildings that cost less to operate and promote well-being for building occupants and for the Earth.

Through a series of slides in his presentation, Ed outlined in stark graphs, the “business as usual” outcome, as well as how little steps now can make huge changes in 20-30 years. Ironically the recession we just came out of, has helped to tip the balance towards positive thinking for efficient buildings. People are finally realizing that saving money on energy is a good thing in many ways. Help to tip the balance even further and look into the 2030 Challenge and the AIA 2030 Commitment, continue to be involved in AIANH’s 10-Session AIA+2030 Series and recommend to clients that efficiency is a value that should be apparent in every building and project.

An interesting part of the event for me was seeing the Bean Sculpture in Millennium Park (Cloud Gate, by sculptor Anish Kapoor). This is a reflective bean-shaped sculpture that one can navigate around and under. The mirror-like surface is great for visual angles of the surrounding City and people. Plus you can do a selfie where you have your front and your back in the picture! I do feel bad for the group that has to clean this thing...

Miscellaneous comments:

Enjoy the upcoming summer months.

Don't forget to tie your shoes.

Carolyn walks fast.

Encourage our young professionals to get registered and maybe even help them pay for it. This will help keep the profession moving forward with talented individuals to eventually fill your shoes when you decide to stop working.

John Merkle AIA and Steve Bedard did a fantastic job with the Castle in the Clouds event held on June 5. Their efforts and dedication to the Castle are easily seen and the Castle has re-emerged into an amazing historical place in NH. Awesome job guys! And thanks to Pella Windows and Doors for sponsoring that event!



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Emerging Professionals Network

Point of view from the AIANH Associate Director



Matt Lawton Assoc. AIA
Associate Director

Here's Your Diploma – And Your License

There are many changes afoot with NCARB these days, from changes in the exam format, to the removal of the 6-month rule with IDP, to shortening the exam retake period. But one of the most talked about topics recently in licensure, among interns, practicing architects, and the state licensure boards, is the concept of "licensure-at graduation." Essentially, what this would do is create programs where students would work in offices concurrently with their studies, earning IDP hours while in school. Currently, there are a few NAAB-accredited programs that already integrate education and internship, such as the BAC, Northeastern, and Drexel University, as well as several countries that offer licensure after completing an extended college program. What does all this mean, though, to the rest of the profession?

The most important thing to remember at this point is that licensure at graduation is only a concept at this time, as part of a three-year task force. At the second annual Intern Think Tank held in December, interns from across the country shared ideas with leadership about the future of internship and examination, and the concept of licensure-at-graduation was developed. Moving forward, beginning next year, NCARB will be issuing a Request for Proposal from interested schools.

The components of the current path to licensure (education, experience, and examina-

tion) would maintain with the process, but it would be more efficiently implemented. This path would not replace the existing, but rather provide an alternate path at certain schools. In order for the path to become a reality, the jurisdictions that have the legal authority to establish licensure requirements, at the States level, must be willing to accept and enact laws that support licensure at graduation.

There are many differing views as to whether allowing licenses to be earned in school is a good idea or bad. Some in the profession may be stuck in the philosophy that "we suffered through the process, so the future must earn their place by suffering as well." A lot of discussion has revolved around the fact that after graduation is when learning really occurs, that you learn how to think and process in school, but learn about reality through experience. Others bring up that doctors and lawyers earn their licenses in college, and are deemed competent. What do you think about licensure at graduation? Are all these changes, restructuring IDP, allowing hours to be counted beyond the previously enacted 6-month rule, modifying the ARE and reducing the retake period, methods of NCARB to increase their revenues? Is NCARB attempting to address the enlarging gap between our aging and retiring architect elders and the smaller number of interns pursuing and receiving licensure?

Voice your opinions, talk with your employers and employees, contact your licensing board. But most importantly, keep your ears and eyes alert, as NCARB is constantly reviewing and changing the licensing process, and is actively listening to your comments as well! (See p. 12) ■

ChicAGO! Missed it? Access Convention Material & Earn LUs

If you missed the Convention you can find it all at <http://aia.bob.tv/>. There is free content, as well as the ability to purchase educational programs for LUs.

Summary, Resilience: Keynote sessions convened a group of design resilience experts and one of the sustainable design movement's most influential leaders, Ed Mazria AIA, to talk about the urgency of using architecture to fight climate change and new ways that sustainable buildings must serve their communities. www.aia.org/practicing/AIAB104191

Summary, Keynote: Chicago Mayor Rahm Emanuel introduced next year's inaugural Chicago Architecture Biennial and two designers that are helping maintain his city's presence as an iconic design destination www.aia.org/practicing/AIAB104187.

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Bahá'í House of Worship

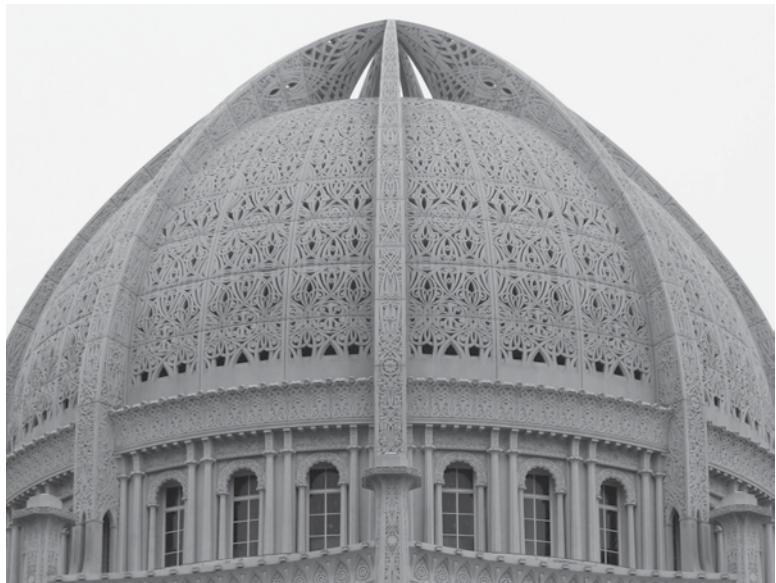
Text & Photos by Bruce Hamilton, AIA

LOn the shores of Lake Michigan, not far from where the North Canal meets the harbor at the Chicago suburb of Wilmette, stands the architecturally unique Bahá'í House of Worship. I was fortunate to see this magnificent structure on a tour at the recent AIA Convention.

How it came to be built in the heart of



Exterior-Bahá'í House of Worship



Temple's intricate lacy exterior

the United States is a story that begins with the Worlds Columbian Exposition in 1893. Inspired by news of the first Bahá'í Temple in Ashgabat, Turkmenistan, members of the Chicago Bahá'í House of Spirituality drafted a petition in 1903 asking permission to begin their own. Fifty years later, in 1953, a completed Bahá'í House of Worship was dedicated in Wilmette. For those living in Chicago land, it is known as the Bahá'í Temple, the site of a thousand field trips, a short walk through lovely gardens, an uplifting place of silent prayer and meditation. In 1978, the House of Worship was added to the National Register of Historic Places and in 2008 one of the Seven Wonders of Illinois.

The Bahá'í Faith is an independent religion practiced throughout the world by more than 5 million people of nearly every nationality and ethnic background. They are attracted to the faith by the belief that we all belong to one human race, that all religions share a common source and aim...that the long awaited era of peace promised by God in the world's sacred scriptures is now within reach. Its sole purpose is to provide a place of prayer and meditation for anyone who wishes to do either. The auditorium is open all the way to the top of the dome with sunlight streaming through hundreds of windows to a shining red terrazzo floor filled with chairs. There is no clergy in the Bahá'í Faith. No sermons or speeches are

made during devotional programs in the Bahá'í House of Worship's auditorium, only recitations of verses from the Bahá'í writings and scriptures from other faiths, including the Bible, Quran, Upanishads, and others. In the sparkling exterior concrete ornamental panels one can observe all the artistry of Louis Bourgeois, a Canadian architect who came to Chi-

cago and worked with Louis Sullivan and the sculptor John J. Earley of the Earley Studio in Washington, DC.

Transforming Bourgeois' drawings, some requiring 109-foot long sheets of paper, into double ornamentation resulted in an innovative process of lasting concrete panels composed of quartz crystal and white cement to form the temple's intricate, lacy exterior. Hundreds of precisely sized and fitted sections were hung on the temple's steel superstructure.

The symmetry of the Bahá'í House of Worship was surely influenced by the École Des Beaux Arts.

The dome is early Renaissance, with an arabesque tracery common in Islamic architecture. The ribs could be called Gothic, the clerestory suggestive of Romanesque, and the arches over the windows look 8th century Moorish Spain. The ribs of the Temple symbolize the hands of the people of all religions clasped together in prayer. The pillars are reminiscent of the minarets of great Muslim mosques. Symbols of many religions, such as the Christian cross, the Star of David, and the star and crescent can be found on each exterior pillar. The pillars are also decorated with a symbol used by Hindus and Buddhists in the form of a Swastika. At the top of each pillar is a nine-pointed star symbolizing the Bahá'í Faith. In the panels directly above the nine doors, decorated letters, ABHA, can be found. It is the Arabic word for glory; the word is also integral to the name of the prophet-founder of the Bahá'í Faith, Bahá'u'lláh. It is also an expression of the number nine.



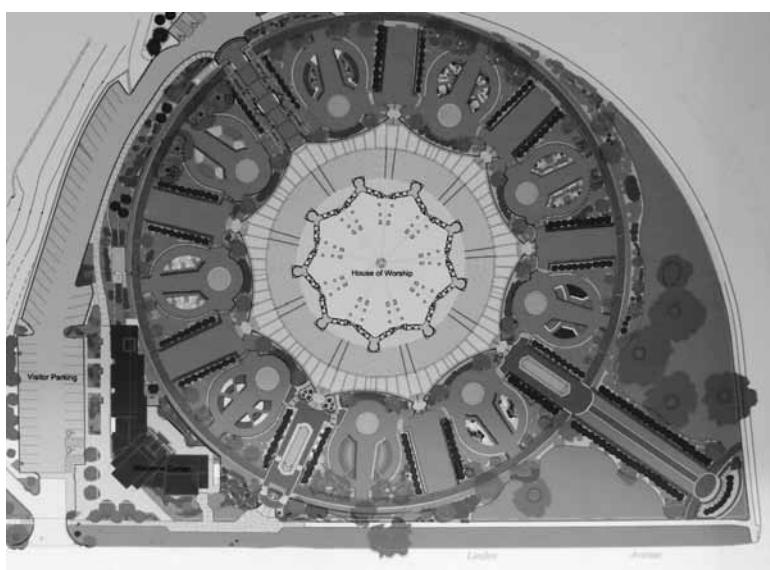
Decorated letters ABHA in panel above exterior door

When the numbers representing the letters in Abha are added together according to the traditional Abjad numbering system they total nine (1+2+5+1). Numbers as representatives of spiritual concepts have a rich tradition in Islamic culture and nine is the highest number symbolizing perfection, unity and comprehensiveness. This is why the Bahá'í House of Worship features nine sides, doors, and gardens.

The Bahá'í House of Worship and gardens form a single, sacred space where all the people are invited to pray to God and meditate in an atmosphere of beauty and light. In the Bahá'í Writings, the human race has been compared to a garden, where the various colors, forms, and fragrances contribute to the beauty of the whole. The Bahá'í Faith recognizes the value of beauty. Likewise, in a flourishing society, diverse talents, manners, custom, thoughts, opinions, and temperaments are all valued.

All over the world, Bahá'ís are striving to put into practice Bahá'u'lláh's vision for building a united, peaceful, and prosperous global society. Working with like-minded individuals and groups, they offer services towards the social, material, and spiritual advancement of civilization. ■

Bahá'í House of Worship and Gardens



"In the tracery of the towers are intertwined all the religious symbols of the past, demonstrating to each beholder of any religion: welcome to the temple exemplifying universal brotherhood." — Louis Bourgeois

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Vietnam: A Country of Contrasts

by Anne Cruess ASLA

Last February my husband and I visited Vietnam. The country is, in the terms of Wall Street, an “emerging market.” Everywhere you go in Vietnam the old and the new exist side by side, sometimes uncomfortably and sometimes (although not often) harmoniously.

Whenever I travel I look for design ideas (I can’t help myself). Sometimes it’s as mundane as a pavement detail, sometimes as lofty as a palace site plan. In Vietnam there were many examples of interesting “old” landscape and city planning

designs but the more recent developments are sadly following trends that are outdated and unsustainable.

Our trip started in the south, in Ho Chi Min City, formerly Saigon. It is a classically laid out French colonial city with wide boulevards, plazas, and leafy parks. It could be a wonderful walkable city if not for the thousands (and I mean thousands) of motor scooters that have taken over like a swarm of locusts. Traffic signals and stop signs are universally ignored—if you are a pedestrian you take your life into your hands, even on the sidewalks.

Our next stop was Hoi An and the mid-coastal beaches. This area has become very attractive to Japanese tourists and resorts have popped up all along the waterfront. It is sad to see a re-creation of the Florida-style, high rise condos and hotels that dominate and block out all ocean vistas. China Beach has left a significant ocean park, but it is flanked by high-rise buildings. Poverty and old style shanties lie just across the street.

Further north, in Hanoi, we found a city bustling with traffic, pedestrians, open markets, and bicycle powered taxis. We took one of these taxis through the oldest part of the city and were astonished by the congestion, masses of overhead wires, and the driver’s ability to dodge obstacles.

Sadly, throughout the country, air pollution is a constant reminder of their “growth.” In their zeal to become a modern nation they are choking on the by-products of prosperity. We, in the west, are enjoying the cell phones, TV’s, clothes, etc. they are producing to the detriment of their environment. ■





PLAN NH

Visioning for Sustainable Communities

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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Notes from Plan NH

by Robin LeBlanc

Plan NH, in partnership with the NH Charitable Foundation, is pleased to announce the recipients of this year's Scholarship and Fellowship Awards, given to outstanding students from the Granite State who are studying in a field related to planning, design, and/or development of the built environment:

- Caroline Corriveau of Manchester, studying architecture at Wentworth Institute of Technology
- Elyse Couture of Milford, studying Landscape Architecture at UMass Amherst
- Robert Dunn of Henniker, a REED major at Green Mountain College
- Xavier Guay of Greenville, a Computer Engineering student at UMass Lowell
- Steve Hebsch of Candia, an Architecture student at The BAC
- Michelle Hobbs of Northwood, studying Architecture at Wentworth Institute
- Margaret McSpirit of Londonderry, a Civil and Environmental Engineering student at UMass Lowell
- Erick Shaw of Hooksett, studying Electro-mechanical Engineering at Wentworth Institute of Technology
- Iv Shqevi of Franklin, studying Architecture at UNC Charlotte
- Nick Swedberg of Meredith, an Architecture student at Virginia Tech

• David Swinyer of Sunapee, studying Mechanical Engineering at Norwich

• Lizzie Tague of Greenland, studying Environmental Engineering at Northern Arizona University

• Dominic Torro, of Keene, studying Sustainable Product Design at Keene State

• Evan Udelsman of Hollis, studying Industrial Design at the Mass College of Art

On June 26, NH Housing and Plan NH recognized five outstanding examples of compact design, or density at the Visualizing Density Awards. See the article below for more on that, or go to www.plannh.org and click on AWARDS.

In September and October, Plan NH will be conducting three charrettes: New Ipswich (Sept 19-20), Greenfield (Sept 26-27) and Chichester (Oct 17-18). Team leaders are looking for volunteer architects, landscape architects, traffic and civil engineers and more. Contact Robin at r_leblanc@plannh.org for more information if you are interested in participating in and contributing to one of these. Scribes, writers, and photographers also needed. This is a great way to meet new people in other disciplines, work your craft or talent in a different way, and "give back" to the Granite State. Credits pending. ■

Outstanding Examples of Density Added to Databank

As New Hampshire's villages, towns and cities plan their futures, the concept of density, or compact design is becoming more important. This type of development helps protect greenways and other open space, has less expensive (and more resilient) infrastructure, and fosters walkability, social connections, and more.

To help inform and inspire municipal leaders, developers and others as they grapple with this idea, New Hampshire Housing Finance Authority (NHHFA) and Plan NH (as part of their Vibrant Villages NH initiative) are working together to gather good examples of residential

Continued on page 17



Hyder Court, Portsmouth, McHenry Architecture

Following this session, I had many individuals come forward and share how this educational series is beginning to broaden their thinking about designing in harmony with our environment.

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AIA+2030: Prepare for the New Energy Future...Session III Recap

Session III Recap by Dale Doller AIA, LEED AP. Photos by John Hession

Third in a series of what will be 10 articles reviewing the AIA+2030 Professional Series.

**Session III, May 29, 2014 —
Accentuate the Positive: Climate
Responsive Design**

The 2030 Challenge encourages us to make a better environment for us to live. Following this session, I had many individuals come forward and share how this educational series is beginning to broaden their thinking about designing in harmony with our environment. We are sincerely excited to see this response! It means our efforts are beginning to make a difference. These Session articles are being offered as a follow-up and brief review to share some of the important messages learned and maybe questions raised. I hope you find this insightful to read and a helpful reminder of the session experience!

We'd like to thank our presenters **Bill MacLay, AIA, LEED AP**, founding principal of MacLay Architects of Waitsfield, VT and **Eric Olsen, PE**, Director of Transsolar Climate Engineering, New York City, NY. Their ex-

pertise provided us with more tools to make a difference for our clients in our ever-changing environment!

This presentation brought some of us back to our college days in a review of the basics of designing within our climate and local environment. Eric Olsen shared the technical principles of design while Bill MacLay shared actual examples of them in case studies. Together they reminded us of the basics of good design and how to work with site constraints and opportunities.

Eric and Bill focused on how we should be working with our local site environment through analysis of solar exposure, climatic conditions, and buffer zones in massing and programming, and how these factors affect our comfort. They talked about heat and air flow, discussing the issues of thermal radiation, stack effect, and the differences of conduction and convection principles.

In designing a building's interior and exterior environment, we can make use of passive and active solar design practices. Thermal comfort is very important when considering



Hands-on exercise, Session III. From left, Session organizer Sheldon Pennoyer AIA, Doug Stewart AIA, Christina O'Brien AIA, Leslie Thomas AIA, Wes Tator, Realtor.



From left: **Kerry Uhler, Bensonwood (Platinum Sponsor); Steve Cary and Bruce Reichard of Loewen Window Center VT/NH (Session III Silver Sponsor); Chris Adams AIA, Bensonwood; and presenters Eric Olsen PE and Bill Maclay AIA.**

how much solar heat gain and daylight can be useful to our internal environment balanced with acceptable calculated heat loss for envelope design. This conversation continually interests me in discussion with my consultants. How much insulation is enough or correct? If we are designing 100-year useful life expectant buildings, what amount of insulation will be needed over the next 100 years? And, will this insulation be accessible later to include more when it is appropriate?

Ventilation is a serious component in our structures for individual comfort. Many years ago we started working on tightening up our envelopes to reduce heat loss through air infiltration. We have now learned that there can be too much of a good thing! We have to remember to allow the right and a controlled amount of fresh air for health and comfort. The use of passive ventilation is a more dramatic useful design practice in arid hot climates with their tall stacks and elaborate ventilation chimneys. But, we can make use of this principle, too, allowing cross ventilation in our swing seasons of spring and fall.

I believe daylighting and the use of a transparent wall construction are our most misused and misunderstood design elements. It is also the most difficult to plan for when our illu-

mination component is constantly moving. We were taught by FL Wright, Ian Mahag, and Bruce Goff to design with nature, to let the outside come in and mix with the interior environment. But how much is enough in the balance between energy efficiency and design aesthetics. We enjoy sitting in direct sunlight, but for only short periods of time. At which point, our sun worshiping has reached an end, becoming uncomfortable...and we need to move or find a way to shade ourselves. The result is that we lose our daylighting design component because of personal comfort.

Bill Maclay made an insightful comment relating to projects that use comparisons being made against the building code or Energy Star on energy efficiency of a new building. "You so often hear, 'this building is 20% or 60% better than the building code,'" Mr. Maclay convincingly said. "We should only look to one goal, which is 0." Net-Zero is the standard we all need to reach in our new buildings to achieve the goals of the 2030 Challenge.

I strongly encourage you to please share your comments and thoughts with me! Send them to me through the AIANH office (office@aianh.org), and I will be happy to continue sharing them here with everyone. ■

See Session IV Review, next page.

AIANH presents the **AIA+2030** **Professional Series**

*Preparing architecture
and engineering professionals
for the new energy frontier.*

Session V: August 21, 2014

Passively Aggressive: Employing Passive Systems for Load Reduction

Presenters:

**Jordan Goldman,
LEED AP, CPHC**

**Troy Peters, NCARB, LEED AP
Colin Schless, LEED AP, CPHC**

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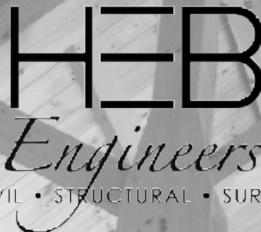


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Thank you to our almost 60 series registered attendees for having the forethought to see value in this educational series. Without you there would be no series. Hopefully this program encourages you to strive for higher performance, sustainable, regenerative, energy efficient design solutions for our built environment!

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AIA+2030: Prepare for the New Energy Future...Session IV Recap

Session IV Recap by Dale Doller AIA, LEED AP. Photos by John Hession

Fourth in a series of what will be 10 articles reviewing the AIA+2030 Professional Series.

Session IV, June 19, 2014 — Skins: The Importance of the Thermal Envelope

The 2030 Challenge, created by architect Ed Mazria for architects, means committing to carbon neutral new or major renovation buildings by the year 2030 at the latest. *The AIA 2030 Commitment* is an agreement to take the aspirational goals of 2030 and transition to the reality of achieving tangible, strategically targeted, performance goals on every project, something we hope our firms will sign on to. The ten session *AIA+2030 Professional Series* is providing New Hampshire firms with a specific set of tools and practices to attain that carbon neutral goal.

A building that is “carbon neutral” uses no fossil fuels in its operation, creates no direct greenhouse gases, and, as a result, does not contribute to global warming. The energy it uses may be produced on site or may be drawn

from a utility grid but it must be “clean,” produced by wind turbines, photovoltaics, or other renewable energy system. The 2030 energy use reduction targets may be accomplished by a combination of:

- (1) Design, planning, innovation through integrated design and development (60% demand reduction)
- (2) Adding technology (20% demand reduction)
- (3) Purchasing green renewable energy (20% maximum).

So as you can see, demand reduction is the key concept to attain the 2030 Challenge!

Given the 2030 Challenge as described, Session IV of our AIA+2030 Professional Series may be one of the more important topics of the series.

The building skin is the critical interface between occupant comfort and outdoor climatic conditions. A high performance building requires a high performance envelope, one that minimizes internal thermal variations generated by varying exterior environmental



AIA+2030 Professional Series, Session IV. From left, Session organizer Dana Moser; presenter Margaret Dillon LEED AP; Session organizer Kate Hartnett Hon. AIANH; presenters Jesse Thompson AIA, LEED AP; Michael Bruss LEED AP; and James Petersen PE, LEED AP.

conditions throughout the year.

Session IV focused on the need for an integrated design and construction process, as well as the material, technologic, and cost analysis techniques needed to deliver high performance roof, floor, and wall/window assemblies. The session was a mix of hands-on exercises, case studies, and panel discussions on building science practices and process issues.

In short, we want to keep cold and wind and moisture outside the building skin. Likewise, we want any moisture that may get through the water, thermal, air, or vapor control layers to work its way out either to the inside or the outside, but not get trapped inside. The vapor transmission (perms) of each product component that make up our “skin” system needs to be coordinated to insure we are not trapping moisture within any of the system layers.

We studied the intricacies of the “skin” through examination of two different project case studies, one of a historic renovated residential structure into an office building for Peterson Engineering, and the second of a new construction market-rate private 7-unit condominium by Kaplan Thompson Architects. We found that the “devil is in the details.” Tracing the water, insulation, air, and vapor control layers around your building is an excellent exercise to test the continuity of your envelope or “skin.” The goal is that your tracing pen never leaves the paper!

The speakers also demonstrated how design simplicity is better. The more complicated the details at intersections and changes in direction, the greater chances for holes in any of the control layers of the enclosure. It’s important to look for those details where elements pass through the “skin,” such as structural and exterior support elements on the outside layer. Thermal bridging must be eliminated to keep the continuity of insulation, air sealing, and the moisture and vapor barriers, to keep condensation from forming on bridging elements.

We learned that there are trade-offs in the process to boost the envelope insulation value in any effort to reduce heat loss, so that we can downsize mechanical systems and improve building envelope efficiencies. Increasing the insulation R-value of all six



James J. Schwartzkopf of North Branch Construction speaking at the opening of Session IV.

building sides (roof, four walls, and floor) and improving window thermal values (triple pane glass or other system) can be justified if done with carefully calculating the “skin” thermal loss to allow the system downsizing. By reducing the loss, the heating/cooling system can be reduced, providing a cost savings which can be used to balance any initial added envelope improvements cost. Even better, reduced operation and maintenance becomes the biggest savings for building users over the years. An ironic outcome of our work to reduce our heating, cooling, ventilation, and lighting demands is that manufacturers need to produce smaller HVAC systems to satisfy these smaller load demands. Unfortunately, manufacturers have fallen behind in responding to this new need.

I hope that you found that the practices and processes discussed in Session IV demonstrated that buildings with high performance thermal envelopes can deliver increased comfort while significantly re-

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ducing the uncertainty associated with the rising costs of energy supply (remember James Petersen’s chart of annual energy vs. telecomm vs health insurance costs!). Moreover, buildings that need less additional heat, cooling, mechanical ventilation, and lighting inputs can remain more comfortable and productive during power failures or increasingly extreme weather events. The speakers worked hard to build on the learnings of Sessions I: Integrated Design; II: The Power of Targets & Load Reduction; and III: Climate Responsive Design, to help us all to continue to evolve toward to a design and construction process that recognizes our new energy reality.

Thanks to our four presenters: **Michael Bruss, LEED AP**, founder and president of former Bruss Construction and Integrated Building Energy Associates LLC; **Margaret Dillon, LEED AP**, Building and Energy Consultant – S.E.E.D.S.; **James Peterson, PE., LEED AP**, president of Peterson Engineering Inc. in Portsmouth; and **Jesse Thompson, AIA, LEED AP, CPHC**, of Kaplan Thompson Architects, Portland, ME. We are grateful to them for sharing their expertise so that we may learn and make better choices for our clients in our ever-changing environment!

I hope you collected some great thoughts and ideas for your next project and client. And, I hope you have enjoyed comments of others during our session.

This information should also open your mind to more questions on how we design comfortable, high performance, resilient buildings in the 21st century that will last into the 22nd century. Talk with others! Share these ideas with your staff and clients and other design professionals. And, please share your comments and thoughts with me! Send them to me through the AIANH office, office@aianh.org, and I will be happy to offer them here with everyone.

Thank you to our sponsors for their support to this important educational series and their belief and dedication to sustainability — Platinum Sponsor: **Bensonwood**; Gold Sponsors: **ProCon, RPF Environmental, Eckman Construction, Milestone Eng. & Construction Inc, Martini Northern**; Session IV Silver Sponsor: **North Branch Construction**. ■

Proposed NCARB Changes Comment Period Set

NCARB is currently seeking comments on proposed changes to the Intern Development Program (IDP), the Broadly Experienced Architect Program (BEA), and the Broadly Experienced Foreign Architect Program (BEFA).

Years of pulsing members, asking "why," and challenging conventional wisdom has led to these proposals for sustainable change. Change that embraces "rigor for a reason," rather than rigor for the sake of rigor. This approach has led to two proposals that will ensure continued protection of the public's health, safety, and welfare.

The first proposal involves the IDP and is being offered as a two step-change with Phase I being a short-term streamlining of the IDP, and Phase 2 a longer-term overhaul plan for the IDP. The second proposal involves the Broadly Experienced Architect program and is designed to determine that an applicant for licensure is competent to practice architecture independently at the point of initial licensure. Lastly, the third proposal involves the Broadly Experienced Foreign Architect program and is designed to acknowledge each member boards' responsibility to determine that an applicant for reciprocal licensure is competent to practice architecture independently.

You can find a description of the proposed changes with background information at <http://blog.ncarb.org/en/2014/June/IDP-Proposals.aspx> and elsewhere on the NCARB website.

NCARB is accepting input, including suggested adjustments to the proposals, through 5:00 PM on Friday, September 5, 2014. To submit your comments send them to the AIANH office at office@aianh.org. We will report to them with a summary of the reactions of our membership.

A New Approach to Project Review in Laconia

by Eric Palson AIA



On June 3 the Laconia Planning Board voted unanimously to adopt a new procedure for reviewing site plan applications by means of a unique scoring system that promotes good design and serves as a kind of pre-flight checklist for developers. Applicants can now pick up a guideline book and a detailed scoring sheet that tallies up everything from parking arrangements to trim details and allows trade-offs to arrive at the best buildable solution.

Laconia is a historic lakeside community with a rich variety of neighborhoods: a traditional brick downtown, mills along the river, quiet residential districts, lakefront marine development, and the recreational community of Weirs Beach. It has also experienced a mixed history of up and down times, some resulting in sweeping changes that have left the residents justifiably leery of large-scaled planning initiatives. The city wants to continue to attract new development. At the same time the sprawl of strip development is in everyone's minds. What to do?

In this context the new regulation has a stated goals of:

- Well-designed buildings that reinforce Laconia's unique sense of place
- Good neighborhood buildings that thoughtfully consider scale, form, orientation, height, setback, massing, materials, and architectural features and their impact on their neighbors.
- Buildings that present a "front door" to the street and make positive contribution to the streetscape.
- Buildings that are designed to human scale that address the comfort, enjoyment, and safety of the users and enhance walkability of our streets.
- Buildings that are designed as permanent, positive additions to the community, constructed of high quality, long-lasting materials.

- Street intersections that are treated as special places.
- Older buildings that are restored and/or reused to maintain the integrity of Laconia's historic heritage.

The regulation was the culmination of a multi-year effort involving a team of city staff and design professionals funded by a grant from New Hampshire Housing Finance Authority. The all-NH project team consisted of Shanna B. Saunders, Laconia Planning Director; Brandee Loughlin, Assistant Planner; Roger Hawk of Hawk Planning Resources, LLC; Jeff Hyland and Elizabeth Dudley of Ironwood Design Group, LLC; and Eric Palson AIA of SMP Architecture.

Initially, the team thought a form-based code would be the logical approach to promote streetscape improvements and went about trying to establish different guidelines for the Laconia's distinct neighborhood. Citizens were invited to give feedback through visual surveys and story-telling events that tapped into a latent civic pride. What they loved about Laconia was then translated into what could be achievable by a new project, informed by best practices from around the country.

Methods of implementation proved to be a challenge. The thought of overlay districts where this new form-based code would be in

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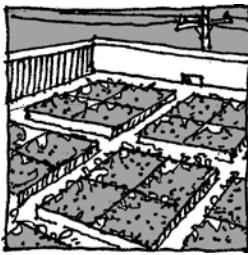
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effect was considered. In the end, in consultation with the Board, it was decided that this sort of hybridized combination of traditional regulation and special applications was too cumbersome and confusing. Instead the team came up with the idea of a city-wide regulation that would compare key aspects of siting, building form, building details, and materials with the existing buildings in that area. We hit upon a weighted checklist that would direct attention to what the City thought was important, reward public-minded design and discourage bad practices. Proposals of less than 2500 sf and single family residences would not be subject to the guideline.

The question of subjectivity was central. It was a challenge to put what all agreed was “good” into words and pictures and then



to further assign a relative value to that feature versus all the other important considerations. The result would naturally have to be a living document, an imperfect work-in-

progress that will need to adapt to unforeseen situations while not tying the hands of the Planning Board and their application of good judgment. This aspect makes some people, who prefer black-and-white a little anxious, but we thought a brittle regulation would be doomed to break.

A draft of the system was worked up and then tested against recent successful Planning Board applications, especially squeakers that just barely won approval after much back and forth between the Board and the applicant. By this approach a “passing score” was dialed in; 50 points out of an available range of 150 to 160, depending on the site conditions.

As one could expect with the introduction of a new approach, there was a public concern that this constituted some kind of new burden and would be seen as anti-development. The team felt that by making the Planning Board’s thought process explicit, and creating a built-in mechanism for trade-offs, the opposite was true. The preamble states:

This regulation is composed of a written and illustrated guideline document and an accompanying project evaluation score sheet. The purpose of the evaluation score sheet is two-fold. First, it is a way to make the value system underlying the Planning Board review

process transparent, understandable and most of all predictable. It does not add powers to the Board that it does not already have; it removes the mystery from the evaluation process and allows potential project developers to know, prior to spending a lot of time and money, their likelihood of success in gaining approval. This is meant to be a boon to development rather than an obstacle. Predictability is development-friendly.

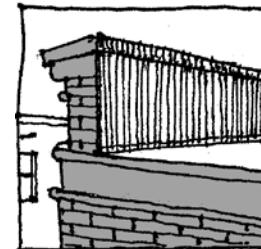
Secondly, the score sheet lays out a wide array of optional components—more than are needed to gain approval of the project. In this way it invites trade-offs and creative substitutions that allow a developer to adapt the regulation to their particular site and circumstances while still promoting design that benefits the character of Laconia and protects the value of existing properties. Flexibility is development-friendly.

Filling out the score sheet is a prerequisite to the approvals process. As mentioned it is a strong predictor to the outcome of the Planning Board process. Nonetheless it is not a guarantee one way or the other. The Planning Board will reserve its authority to use its judgment to either allow projects that do not strictly meet the numeric guideline due to extenuating circumstances. The Board may also require further improvements to a proposal that meets the pure number requirement but does not meet the spirit of the regulation. It is expected that as the regulation is implemented and fine-tuned over time these sorts of exceptions will become more and more rare.

This last point is important. The Planning board fully expects to adjust the regulation over time both by adopting and discarding features and by resetting the threshold for success. This allows the regulation to be nimble and new concerns to be addressed as they arise. The notion of setting the bar a little higher in certain action areas was also discussed. Finally the Board set up a feedback mechanism that will gather input from those who go through the system and evaluate what needs adjustment.

Look for the regulation to appear soon on the Laconia website, www.city.laconia.nh.us.

— Eric Palson AIA is owner and principal of Sheerr McCrystal Palson Architects in Concord, NH. ■



Details...

UK Architects is approaching its 22nd anniversary, and as they move into their third decade, the firm is making some important changes.

- They have moved into new offices at 80 South Main Street, Hanover.

- They have named two new associate members of the firm, Diane Hall and Adam Lornitzo.

- Firm principal **Hunter Ulf AIA** is transitioning out of the firm. After 33 years as a practicing architect, Hunter will be pursuing new interests and passions from the client side.

- **Chris Kennedy AIA** will remain at the helm of UK Architects. Chris is optimistic about future prospects and the potential of the years ahead, and he looks forward to continuing UK Architects’ long tradition of providing outstanding service, creative problem-solving, and professionalism.

A new 3,200 sf house in Boscawen for Community Bridges has recently been completed. **Susan Phillips-Hungerford, AIA** provided design, and it was built by **North Branch Construction, Inc.** The single-story six bedroom home is the first Systematic, Therapeutic, Assessment, Resources, and Treatment (START) facility-based respite home in New Hampshire. It will provide active therapeutic supports to individuals who have been determined to require out-of-home evaluation, stabilization, and treatment implementation. The home includes an open-concept common room, kitchen and dining area, as well as separate meeting rooms. Residents are expected to move in the beginning of July.

The new Interventional Spine Medicine office in Plaistow, NH, a design/build project, designed by **Dennis Mires P.A., The Architects**, was completed in June by **North Branch Construction**. The project involved the renovation of a 3,300 sf home built in 1920. Plans included a 1,400 sf addition to the back of the house and all new HVAC and electrical systems, as well as a new elevator.

Details...

Fulcrum Associates, Inc. has begun construction of a 200-bed private student housing project for Orion Student Housing at 25-35 Main Street in Durham, NH. **DeStefano Architects** provided design services and Allen and Major of Manchester, NH provided civil engineering services for the project. The project consists of the redevelopment of three lots into a mixed-use student housing development. The project involves rehabilitating the existing houses at 25 and 35 Main Street, demolishing the existing houses at 27 and 29 Main St., demolishing the barn in the rear of the site, constructing two new houses fronting on Main St., and constructing two new buildings, one fronting on Main St. and one to the rear of the site. The orientation of the buildings on the site will provide for a new classically themed streetscape, while creating a landscaped courtyard servicing access to all the buildings. The buildings fronting on Main St. will have a mix of commercial and student housing occupancies.

Fulcrum Associates is also constructing a new 2,550 sf. medical office building at 2 Washington Place in Bedford, NH. The new multi-gabled single story building is designed with a blend of shingle and clapboard siding with classic New England style trim detailing. Dignard Architectural Services provided design services while Meridian Land Services provided civil engineering services for the project.

Fulcrum is also progressing with the construction of Tidewater at Salisbury, a 210-unit garden style multifamily development at 191 Beach Road in Salisbury, MA. **Berard Martel Architects** provided design services and Allen and Major of provided civil engineering services for the project. Fulcrum has installed a webcam on the site; visit www.fulcrumnh.com to follow progress on this project .

AIANH | NHAF Scholarships Awarded



AIANH and the New Hampshire Architecture Foundation (NHAF) have announced the recipients of their jointly sponsored scholarship programs. \$1,000 grants were given to Matthew Arsenault of Hampstead, NH, entering his fourth year this fall in the Wentworth Institute of Technology architecture program; Lindsey Buyer from Keene, NH, who graduated in June from Keene High School and has been accepted to the architecture program at Virginia Polytechnic Institute and State College; and Nicholas Swedberg, from Meredith, NH, who will enter his fifth year this fall, also in the architecture program at Virginia Tech.

The AIA | NHAF Scholarships are granted to students who are currently enrolled or ac-

cepted to an accredited undergraduate or graduate professional architecture degree program and who are residents of New Hampshire. The scholarship program also accepts applications from Keene State College's undergraduate pre-professional architecture program and the NHTI, Concord's Community College, architecture engineering technology program.

The AIA|NH Architecture Foundation scholarship program is supported in part by a grant from the AIA Component Scholarship Grant Program.

The scholarships were presented by Karolina Burtt AIA, president of the NH Architecture Foundation and immediate past-president of AIANH, at the June 5 AIANH event at the Castle in the Clouds in Moultonborough, NH. ■



NHAF President and AIANH Immediate Past-President Karolina Burtt AIA presented scholarships to Matt Arseneault and Lindsey Buyer at the June 5 Chapter Meeting. Nicholas Swedberg was unable to attend.



**Thanks to Pella Windows and Doors
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Meeting at the Castle in the Clouds**

Structural Column

by Jeff Karam PE

William Wesley Peters

Recently I began to wonder who Frank Lloyd Wright's structural engineer was and if he/she toiled in obscurity or ever achieved any notoriety of his/her own. It turns out, the man credited with much of the structural engineering was also an architect registered in all fifty states. The man is William Wesley Peters. Peters studied engineering at Massachusetts Institute of Technology and shortly thereafter became Wright's apprentice in 1932. Peters is credited with the structural engineering for Fallingwater, the Johnson Wax Administration Building and the Guggenheim Museum. The Taliesin website goes as far as calling him Wright's "right hand man" and, after Wright's death, Peters became the chief architect of Taliesin Architects. Peters had an interesting personal life too. He married two different women name Svetlana – one was Wright's stepdaughter and the other Joseph Stalin's daughter who had defected to the United States.

Peters' son, Brandoch, who was largely raised by Wright, has recounted that whenever Wright was working on something big he'd seek out Peters. Similarly, with complex projects I've been involved in, it is beneficial when architects get the engineers involved early in a project. Structurally, I find it rewarding to be able to allow an architect to express their aesthetic. I have found that this is facilitated through clear and open lines of communication. Areas of coordination might be as simple as tolerable column locations or maximum floor depths or more generally

material selection. Discussing the problem areas and clearly identifying the architectural intent usually allows a structural engineer to come up with a mutually satisfactory solution. As you see interesting projects around the country or the world you'll note that most are structurally limited by budget, not technical ability. Hopefully you have a good rapport with your engineers and feel that when you must get something big done you can freely connect with them.

Thank you for reading. If you have comments or suggestions for future columns relating to the practice of structural engineering please contact me via jeff@evergreenstructural.com. ■

— Jeffrey Karam, PE is the principal of Evergreen Structural Engineering, PLL, www.evergreenstructural.com

Condolences

IANH offers its condolences to **David M. White AIA** on the loss of his wife Jane M. White, 70, following an extended illness with ALS.

Mrs. White was born in Melrose, MA on August 13, 1943. Spending her early years in Chester, NH, she, along with her husband, was a 1961 graduate of Pinkerton Academy in Derry. She continued her education at UNH, Notre Dame College in Manchester, and Riviere College in Nashua with degrees in art history, psychology, and nursing.

She worked at a variety of jobs over the years, which enabled her to do what she enjoyed, interacting with people. She was a wildflower docent at The Garden in the Woods in Framingham, MA, a docent at the Currier Museum of Art, a School Nurse in Weare and School Secretary in Duxbury, a writer for the *SooNipi Magazine*, and most recently an assistant librarian in the Children's Department of the Bedford Public Library.

Mrs. White also held her commercial pilot's license and in the 1980s was the corporate pilot for her husband's company.

Mrs. White was predeceased by her son Thomas in 1992. She leaves her husband of 50 years, her son Jonathan and his longtime girl friend, Jane Liang; a brother, Col. Robert C. Moore, MD (USAF, Retired) and his wife, Yvonne; nieces, nephews, and cousins.

A memorial service was held July 6 in New London.

Contributions may be made to the ALS Association, Northern New England Chapter, 10 Ferry St. Suite 309, Concord, NH 03301.




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Job listings and Positions Sought listings on the AIANH website: www.aianh.org/careers. Email ad text to office@aianh.org. Job listings are free for AIANH members and \$80 for four months for non-members. Positions Sought listings are free for everyone.

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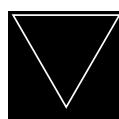
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AIA Creates Alliances with Houzz



AIA and Houzz, the world's leading online platform for residential remodeling and design, have created a strategic partnership to develop innovative technology initiatives to engage architects, deepen members' use of the Houzz platform, and increase public awareness and appreciation of how good design can enhance our lives. This partnership will support the AIA's consumer outreach mission by providing more tools to assist homeowners with hiring and working with an architect. AIA members also benefit from technology, consumer insights and direct interaction with Houzz's global community of more than 20 million monthly unique users who are actively building and remodeling. The AIA and Houzz will work closely on a number of joint efforts from education to technology and marketing.

"This new relationship allows architects to show their versatility and talent across a range of residential projects," said AIA CEO, Robert Ivy, FAIA. "Our members are eager to work even more closely with the Houzz community to show the value that good design can bring."

"We are extremely excited to strategically

partner with the AIA to continue building the best technology for this industry and make millions of new connections between architects and homeowners," said Adi Tatarko, Houzz cofounder and CEO.

Houzz is the leading online platform for home remodeling and design, providing people with everything they need to improve their homes from start to finish – online or from a mobile device. Houzz connects millions of homeowners, home design enthusiasts and home improvement professionals across the country and around the world. With the largest residential design database in the world and a vibrant community powered by social tools, Houzz is the easiest way for people to get the design inspiration, project advice, product information and professional reviews they need to help turn ideas into reality.

For more information, visit www.houzz.com. As an AIA architect you can take advantage of the new affiliation badge program, with national and local badges to show your affiliation with the AIA. They are now available to add to your professional profile — add one today! ■

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VISUAL DENSITY DATABASE,
cont'd from page 7

and mixed-use density from throughout New Hampshire. The goal is to build a database of pictures and related information that show what good compact design looks like – and how it CAN work – whether in a rural, small town, larger town or urban setting.

This summer, five outstanding examples of density were recognized at a special program on June 26 at Red River Theatres in Concord. Renowned NH author Howard Mansfield was the keynote speaker.

Receiving awards:

75 Bank Street, Lebanon. This former Middle School has been redeveloped into 43 residential units on three floors (43 units on 7.42 acres, or 5.8 units per acre). Many original features were kept, including blackboards and hallway lockers, and the site is within walking distance to downtown. The project was designed by Studio Nexus Architects and Planners and developed by Execusuite LLC.

Woodbury Mills, Dover. Workforce housing is now just a block and a half off Central Ave., thanks to The Housing Partnership in Portsmouth, who had the vision to develop this 48,000 sf old shoe factory. There are 42 units of one- to three-bedrooms. Once a blight on the mixed-use neighborhood, its revitalization can be a catalyst and inspiration for more like it. Designed by Lassel Architects, the project was partially funded by the Historic Rehabilitation Tax Credit Program.

Families in Transition Lowell Street Addition and Historic Renovation, Manchester.

From the front, this is a wonderful rehabilitation of a gothic-style cottage. Peeking over the roof is a hint of the large addition in the rear, which provides 17 temporary homes (and services) to homeless women and their children as they transition to a community. Designed by Burnell-Johnson Architects and built by North Branch Construction.

Hyder Court, Portsmouth. 6 apartments on just over an acre were a great solution for this parcel of land surrounded on one side by a traditional old neighborhood, on another by a hardscape of hotels, a liquor store and several busy roads and highways. The Horizon Trust project was designed by McHenry Architecture and built by Careno Construction.

Honorable mention: Stone Bridge Estates, Salem, Jakon Development LLC. Scheduled to break ground this month, this will be a development of 48 cottages on 27 acres (65% will be left open) of an old estate. Existing features such as an old caretaker's cottage, stone walls and bridges as well as natural assets will be preserved. This is an over-55 development, and the jury hopes it might inspire village-like development for inter-generational communities.

Thanks go to Maggie Stier of the NH Preservation Alliance, Carolyn Isaak of AIANH, Nadine Peterson of NH Division of Historical Resources, and Ben Frost of NH Housing for serving on the review committee that sifted through all the submissions and made the difficult decisions. ■



Families in Transition, Lowell St., Manchester; Burnell-Johnson Architects

Details...

Curtis Boivin AIA, LEED AP has joined **Warrenstreet Architects**. In his most recent role he acted as principal architect on federal, municipal and commercial projects. He also designed and developed an award-winning sustainable development in Newmarket, NH, and energy efficiency standards in renovations of the NH Army National Guard Armories. Curtis has nearly 17 years of experience and is a registered architect in NH and MA. He will act as technical director for Warrenstreet and will oversee all contract document development. Curtis is involved with the Special Olympics and has been head coach of the Winter Olympics snowboarding team since 2005.



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Details...

Banwell Architects welcomes the newest member to its team, Tom Daniels, who brings more than 20 years of experience to the firm. After graduating from Roger Williams University in 1993, he moved to southern Maine with his wife, where he was able to gain valuable experience in many different types of buildings, ranging from single-family residential, to elder-care, to hotel and hospitality, to performing arts. He is a licensed architect in ME and NH, an NCARB Certificate holder, and a LEED Accredited Professional. Tom recently relocated to the area, and now lives in Vermont with his wife Cathy, and two children Nicolas and Sophie.

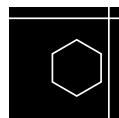
Eckman Construction has announced the promotion of **Preston Hunter** to vice president of the company. Hunter, who has been with Eckman since 2005, most recently served as the company's Director of Business Development and Client Relations.

"It gives me great pride and satisfaction to elevate Preston to his new role as Vice President," noted Mark Walsh, President, Eckman Construction. "His hard work and collaborative approach have earned him this new position and will continue to serve him well as we move forward."

Hunter will continue to be the main point of contact for all business development activities and will serve as the lead for the company's client relations. He will be involved with projects from the beginning of a concept, through project development and completion, advising clients and working together with the Eckman team to help deliver favorable results.

Hunter also serves on the Board of Directors for the Greater Manchester Chamber of Commerce, the Board of Directors for the Manchester Young Professionals Network, and as a Trustee at The Derryfield School.

Reed & AIA: Your Market Intelligence Source



AIA's Respositioning effort includes new alliances to benefit AIA Members. See Houzz partnership, page 16.

Another new agreement between Reed Construction Data and AIA will bring you an instant upgrade to your market intelligence and give you access to nearly a half-million projects, plus reports, leads, and a social community.

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PROGRAMS, Cont'd from page 1

acres was founded by diplomat and statesman John Milton Hay, who was the private secretary to Abraham Lincoln.

We will enjoy a guided tour of the renowned gardens, and then drive to Dexter's Inn in Súnapée for dinner and a presentation by Roger Wells FASLA on "Saving the Fells: Making Volunteerism Work to save Historic Buildings and Gardens." *AIA LUs and LA CES credits applied for.*

September 26-28: The last weekend in September will find us at the **AIA New England Regional Conference and Design Awards**. Hosted by AIA Rhode Island, it will be held at the historic Biltmore Hotel in Providence. The theme is "TRANSFORMATION: The Evolution of Architecture & Practice in New England," an exciting look at the various forces that are shaping New England, from urban revitalization to climate change, and how the architectural practice is adapting to make our region more livable and resilient. Plan to attend this regional conference, which is always a great value for your dollar and a good way to interact with your peers across the region. It's always fun, and its intimate nature plus learning opportunities bring people back year after year. For information on the Conference and the Call for Entries for the Design awards, go to the AIA Rhode Island website, www.aia-ri.org. *AIA LUs available.*

October 9: Back in NH, we will meet on the seacoast for **AIANH's ARCHtober FEST!**

Join AIANH at the **Smuttynose Brewery** in Hampton, NH. We'll tour their new facility and restaurant addition/renovation, designed by McHenry Architecture, plus hear about the process from the inception of design through construction that speaks to the inclusion of integrated energy efficiency strategies. This is an example of the integrated design approach, an important goal of the AIA+2030 Challenge. The event includes beer, of course, plus dinner! **Sponsored by Pella Window and Doors.** *AIA LUs applied for.*

October 23: Later in the month we go to the western side of the State for our annual **Joint AIANH-AIAVT meeting**, this year hosted by Vermont at King Arthur Flour in Norwich, VT, just over the border from Hanover. Stay tuned for more information about this. *AIA LUs applied for.*

October 28-30: ABX in Boston. Head's up! It is in October this year, a change from previous years when it was held in November. *AIA LUs available.*

November 6: We're working on a tour of the new **St. Mary's Bank** building in Manchester on November. Stay tuned for more information! *AIA LUs applied for.*

For **AIA+2030 Participants:** upcoming dates are August 21, September 25, October 16, and November 20, followed by two 2015 sessions, January 22 and February 26.

Information on all programs and events at: www.aianh.org/news/aianh-events. ■

Construction Summary

Project Type: Window Replacement
 (Gov. Hugh J Gallen Apartments)
Cost: \$345,280
Location: Manchester, NH
Owner: Manchester Housing & Redevelopment Authority
Architect: CMK Architects
Contractor: Chestnut & Cape Inc.

Project Type: ALLWELL Center (Phase II)
 New Field House (Plymouth State Univ.)
Cost: (Base Bid) \$25,699,000
Location: Plymouth, NH
Owner: University of NH
Architect: Sasaki Associates
Engineers: Rist Frost Shumway Engineering, LeMessurier Consultants
Gen. Cont.: Harvey Construction Corp. of NH

Project Type: Bathroom Renovations (Woodside Apartment Complex)
Cost: \$638,329
Location: Durham, NH
Owner: University of NH
Architect: Manypenny Murphy Architecture
Gen. Cont.: GTC Construction Management

Project Type: Field House Academic Center
Cost: \$1,379,000
Location: Durham, NH
Owner: University of NH
Architect: Warrenstreet Architects
Const. Mgr.: Charters Brothers

Project Type: Parkland Medical Center Behavioral Health Addition & Renovation
Location: Derry, NH
Owner: Parkland Medical Center
Architect: JSA Inc.
Engineers: RDK Engineers, JSN Associates
Gen. Cont.: Hutter Construction Corp.

Construction Summary is provided by
Construction Summary of NH, Inc.
734 Chestnut St., Manchester, NH 03104

Project Type: New Townhomes (38 Units) & Community Room
Cost: \$5,022,000
Location: Londonderry, NH
Owner: NeighborWorks Southern New Hampshire
Architect: John Jordan Design PLLC
Engineer: Hayner/Swanson Inc.
Gen. Cont.: Gary Chicoine Construction Corp.

Project Type: Family & Consumer Science Renovations (Keene High School)
Cost: \$297,782
Location: Keene, NH
Owner: Keene School District-SAU#29
Architect: Frank Marinace Architect PA
Engineers: Reno Engineering, Kohler & Lewis Engineers
Gen. Cont.: Wesfield Construction

Project Type: Monadnock Regional Middle/ High School Renovations (Phase VI)
Cost: \$579,525
Location: Swanzey, NH
Owner: Monadnock Regional School District-SAU38
Architect: HL Turner Group
Gen. Cont.: Williams Construction Group

Project Type: Saint Elizabeth Seton Parish Additions
Location: Bedford, NH
Owner: Roman Catholic Bishop of Manchester
Architect: Dignard Architectural Services
Engineer: Yeaton Associates
Gen. Cont.: Harvey Construction Corp. of NH

Project Type: East Hall Dormitory Renovations (New England College)
Location: Henniker, NH
Owner: New England College
Architect: CMK Architects
Engineers: Engineered Building Systems Inc., McGill Engineering
Gen. Cont.: North Branch Construction

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Calendar of Events

Aug 14 ABC/AIA Seacoast Harbor Cruise & Networking Reception. Join ABC NH/VT, AIA New Hampshire, and AIA Maine for a seacoast harbor cruise aboard the M/V Thomas Laighton out of Portsmouth. 5:00 to 9:00 pm. See cover story.

Aug 21 Session V, AIA+2030 Professional Series, Audubon Center, 8:00 am-12:30 pm. AIA HSW LUs

Sep 4 AIANH Chapter Meeting with GSLA, The Fells Historic Estate & Gardens, Newbury, NH. AIA LUS applied for. See cover story.

Sep 10 Plan NH Annual Golf Event, Pease Golf Course, Portsmouth, www.plannh.org

Sep 19-20 Plan NH Charrette: New Ipswich. Team leaders are looking for volunteer architects, landscape architects, traffic and civil engineers and more. AIA HSW LUs, www.plannh.org

Sep 25 Session VI, AIA+2030 Professional Series, Audubon Center, 8:00 am-12:30 pm. AIA HSW LUs

Sep 26-28 AIA New England Regional Conference and Design Awards: TRANSFORMATION: The Evolution of Architecture & Practice in New England. For information on the Conference and the Call for Entries for the Design awards, go to www.aia-ri.org. AIA LUs. See cover story.

Sep 26-27 Plan NH Charrette: Greenfield. Team leaders are looking for volunteer architects, landscape architects, traffic and civil engineers and more. AIA HSW LUs, www.plannh.org

Oct 9 ARCHtober FEST! – Join AIANH for a Chapter Meeting at the Smuttynose Brewery in Hampton, NH. AIA LUs applied for. See cover story. Sponsored by Pella Windows and Doors.

Oct 16 Session VII, AIA+2030 Professional Series, Audubon Center, 8:00 am-12:30 pm. AIA HSW LUs

Oct 17-18 Plan NH Charrette: Chichester. Team leaders are looking for volunteer architects, landscape architects, traffic and civil engineers and more. AIA HSW LUs, www.plannh.org

Nov 6 AIANH Chapter Meeting, St. Mary's Bank, Manchester. AIA LUs applied for

Nov 20 Session VIII, AIA+2030 Professional Series, Audubon Center, 8:00 am-12:30 pm. AIA HSW LUs

Most up-to-date calendar and links to registration at:
www.aianh.org/news/aianh-events

AIA New Hampshire

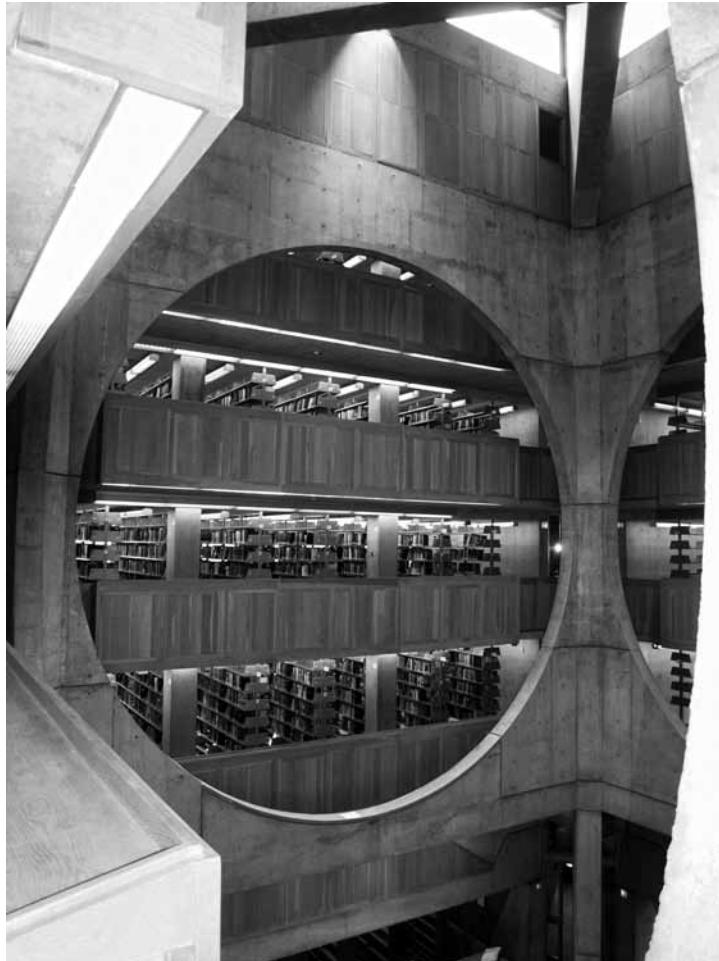
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Photo of the Month



Louis Kahn's Class of 1945 Library, Phillips Exeter Academy, Exeter, NH. Photo taken at a recent AIA Central Massachusetts tour of the building.

by Doug Sonsalla, AIA,
LEED AP
Principal, Studio Nexus
Architects + Planners, LLC
White River Junction, VT

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