



NH forum

AIA New Hampshire

For those who shape the built environment



Susan Phillips-Hungerford AIA, right, commenting on model by Keene State College students at the 2015 joint AIANH-KSC meeting. The architecture students look forward to the opportunity to network with regional professionals and receive informal feedback on their work.

April Chapter Meeting With KSC Architecture Department



Keene State College and AIA New Hampshire are teaming up on Thursday April 28, 2016 to host the AIANH Chapter Meeting and the Keene State College Architecture Program Open Studios.

This year's AIANH-KSC event will celebrate the establishment of the AIA New Hampshire-Kahn Family Fund for the Advancement of Architecture (see page 5) and Dr. Jay Kahn Hon. AIANH, who recently retired as Vice President of Finance and Planning after 27 years at the College. We will bring to campus many of the architects, engineers, and construction firms who have contributed to Keene State College's built environment. The participants will present both a short overview of their projects and discuss in a panel format the college's "Campus Transformation in Form and Function."

Dr. Kahn was instrumental in creating and executing a long-term vision for the physical

Continued on p. 11

Inside View

Perspective	2
Emerging Professionals Network	3
What is AIA Digital Transformation?	4
Transforming the Lives of Students Seeking to Become Architects	5
World's Most Liberal City <i>by Bruce Hamilton AIA</i>	6
QBS: What it Is and Why Owners Should Use It <i>William Straub PE, PG and Jonathan Halle AIA, ASLA</i>	8
Energy Matters: Where Do Architects Fit In? <i>David Ely AIA</i>	9
Construction Summary	11
Photo of the Month	12
Calendar	12



AIA
New Hampshire

2016 Board of Directors

President: **Jay Lawrence Purcell AIA**

Pres-Elect: **Sheldon Pennoyer AIA**

V-President: **Alyssa Murphy AIA**

Sec/Treas: **Dennis McNeal AIA**

Immediate Past President:

Paul Bourbeau AIA

Directors: **Nick Isaak AIA**

Susan Phillips-Hungerford AIA

Tracy Kozak AIA

Bart Sapeta AIA

Associate Director:

Tony Nazaka

Affiliate Director:

Liz LeBlanc

Executive Director: **Carolyn Isaak**

NH Forum is published monthly by AIA New Hampshire, the New Hampshire Chapter of The American Institute of Architects.

For advertising rates and sizes, contact the AIANH office.

For membership information, contact the AIANH office.

Articles and graphic submissions should be sent to the AIANH office by the first of the month prior to publication.

NH Forum Editorial Board:
Bruce Hamilton AIA, Liz LeBlanc, Dale Doller AIA, Carolyn Isaak Hon. AIANH Proofreader: John Urdi AIA;
Lead-in thumbnails by **Eric Palson AIA**

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.

AIANH
310 Marlboro St., 2nd Floor
Keene, NH 03431
Tel: 603-357-2863; Fax: 603-357-0835
E-mail: office@aianh.org
Visit our Website at www.aianh.org

Perspective

Point of view from the President of AIANH

Jay L. Purcell AIA



Adopting the 2015 Codes

Recently you may have heard that the ‘powers that be’ here in NH considered the adoption of the latest edition of the family of ICC building codes, that’s the 2015 editions. The last time we moved forward to new editions of the code was in 2010, when the 2009 versions were adopted, along with several amendments.

The process for adopting the 2015 codes now resides with a vote of the State Legislature; the New Hampshire Building Code Review Board (NHBCRB) which had been charged with this task in the past is now only in an advisory role. Discussion and public hearings on the idea have been going on over the past year, shepherded by the NHBCRB (17 professionals involved in various capacities in the building industry). This resulted in a recommendation from the NHBCRB to adopt the 2015 codes. The AIA Board of Directors also recommended moving forward with the 2015 ICC codes.

After the NHBCRB sent their recommendation to the Legislature in the form of House Bill 1282, The New Hampshire Home Builders Association requested nine amendments to the International Residential Code (IRC), seven of which were later accepted by the NHBCRB. These proposed amendments would have a two year window to be ratified. The Home Builder’s Association hoped to incorporate them into the codes during the legislative process.

On March 9 the State Legislature, for a myriad of reasons, decided in a vote of 307 to 49 NOT to adopt the 2015 ICC code editions at this time. The next likely time for their reconsideration of the issue will begin in January of 2017, as it would enter the committee process again in the next session of the legislature.

One of our important responsibilities as registered design professionals is to have knowledge and awareness of the issues regulated by the State Building Code and State

On March 9 the State Legislature, for a myriad of reasons, decided in a vote of 307 to 49 NOT to adopt the 2015 ICC code editions at this time. The next likely time for their reconsideration of the issue will begin in January 2017.

Fire Code, as well as local codes mandated by the municipality in which our projects are located. The requirement to design buildings to meet or exceed minimum standards is one of the important responsibilities required of registered design professionals. It is one that requires them to be licensed by the States in which they practice their profession. (Yes, some building types such as one and two family residences under a certain size are not required to be designed by registered design professionals, unless deemed so by the local building code official.)

Most people acknowledge this need readily when it comes to building safety. Examples would be structural loading requirements, fire protection of building components, fire separations, the limits on building sizes for different uses for certain types of fire-rated construction, and means of egress requirements. As responsible adults we accept the need for a respectful balance of the rights of the community over those of the individual. Codes are about the responsibility part of the building industry.

As experienced Architects we know that building codes guide us in our choices in many ways as we design, and that is their intent. They also allow us to be inventive in our methods of meeting the intent of the code. Our experience and training can be brought to an issue to propose a reasonable performance alternative to meet the intent of the code where a prescriptive requirement seems inappropriate or too limiting. The code allows for this performance based approach. Yes, this requires approval from the local authority having jurisdiction (local building

Continued on p. 10

Emerging Professionals Network

Point of view from the AIANH Associate Director & EPN Chair
 Tony Nazaka Assoc. AIA



Architecture Is Practice

I recently watched a movie, *500 Days of Summer* (a romantic comedy, get over it), that had an aspiring architect as the main protagonist. Our hero struggled with the idea of working a job he didn't enjoy, and always wished he had pursued architecture. Around the third act, a video montage accompanied by uplifting music had our hero quitting the job he did not like, breaking out his sketch pad, and architecting all over the place. By the end of the montage, not only had he filled his sketch pads with drawings of buildings, but had also completed a perspective drawing on the chalkboard wall of his downtown LA apartment. Admiring his own work in awe, you could basically hear him thinking "I'm an Architect now!"

I feel young and aspiring architects have this mindset that being an Architect is a glamorous profession. Spoiler alert: it is not. The movie ended with our hero waiting for an interview in what looked to be a 100+ person firm. I assume he had all his little building doodles with him as his "portfolio." Since he did his underwhelming perspective drawing in chalk on a wall in his apartment, maybe he even included a picture of that. I'm also assuming, had the movie run another 15 minutes, the interviewers at this prestigious looking firm had a good laugh when our hero left the interview, downtrodden after being told his portfolio has nothing of substance, and architecture is much, much more than being able to sketch a building.

Architecture can be considered a career, but it's not really a "job." As most of us really know, it is a profession that demands you become better, in some aspect, every day.

Rarely will you decline a large project, so you don't have to compromise your "artistic vision," as Howard Roark does.

Architecture can be considered a career, but it's not really a "job." As most of us really know, it is a profession that demands you become better, in some aspect, every day.

Every conversation, every line drawn, every submittal sent, every drawing reviewed, etc. is an opportunity to become a better Architect. I feel it takes years of experience for Architects to become really good at their craft; and even then, those years of experience are massively important. If you have 20 years of experience drafting and designing, you're not really a polished Architect, you're a drafter.

So, aspiring architects, I hate to burst your bubble, but you'll never be like Ted Mosby, hanging out in a bar all day with your friends, agonizing on whether you should take that commission to build a New York sky scraper. People probably won't (or as I think, shouldn't) be all that impressed if you tell them you're an architect, like George Castanza routinely does. Rarely will you decline a large project, so you don't have to compromise your "artistic vision," as Howard Roark does. And you certainly won't be wowing any future employers with a couple weeks spent sketching buildings and reading architecture history books, as mentioned above. Architecture is much more than that. Architecture is practice. ■



portsmouth, new hampshire since 1993
 www.terrafirmalandarch.com 603-430-8388

Welcome to New AIANH Members:

AIA Members

- Daniel Hall AIA
- The H.L. Turner Group Inc.
- Eli J. Mead Assoc. AIA
- Katie Cassidy Sutherland, Architect
- Kenneth T. Weston AIA
- Oak Point Associates

AIANH Professional Affiliates

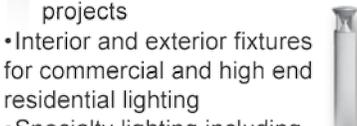
- Doucet Survey, Inc.
- Bill Doucet, LLS
- Michael Carter, LLS
- Steve Michaud
- Eric Buck, Terrain Planning & Design LLC



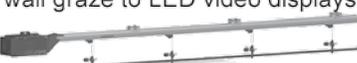
AIA
 New Hampshire



- Theatrical rigging
- Theatrical lighting
- Architectural lighting controls
- Lighting design/layout for architectural and theatrical projects



- Interior and exterior fixtures for commercial and high end residential lighting
- Specialty lighting including feature walls from color changing wall graze to LED video displays





Tim O'Shaughnessy
 NH Representative
 (207) 883-7100 Maine Office
 (603) 361-3359 NH Office
 Tim@swaneylighting.com
 www.swaneylighting.com





AIANH Seeks New Executive Director

As you may have read in last month's Perspective column by AIANH President Jay Purcell AIA, Carolyn Isaak Hon. AIANH will be retiring this fall from her position as Executive Director for AIA New Hampshire. If you know of anyone who might be perfect for this job, please direct them to the employment ad, below and on our website: www.aianh.org/careers.

The New Hampshire Chapter of the American Institute of Architects (an Equal Opportunity Employer) is seeking an individual to serve as the Executive Director for our 375 plus member organization. The Executive Director is responsible for the overall administration and management of AIA New Hampshire, including programs, fundraising, communications, and business operations. Areas of responsibility include planning and evaluation, policy development and administration, personnel and fiscal management, and public relations. This is a contracted full-time position as a consultant, hired by and directly accountable to the Board of Directors through its elected Board Chair. Job description also includes knowledge of bookkeeping, graphic design, website maintenance, newsletter production plus all administrative duties normally carried out by staff. The position will require working some nights and weekends as well as some travel throughout the United States for AIA National events. The New Hampshire Chapter of the American Institute of Architects is an Equal Opportunity Employer. The aforementioned job requirements are subject to change to reasonably accommodate qualified disabled individuals. This job description is not an employee contract and the employment relationship remains "at-will." Please respond with a letter of interest and resume by April 20, 2016. Send all inquiries to: office@aianh.org.

What is AIA Digital Transformation?



AIA is overhauling the online digital experience for members. The existing technology infrastructure that AIA's website and communication is built on hasn't seen an update in many years and is at the end of its useful life. At the end of 2014, the AIA Board of Directors approved the spending of excess funds from AIA's reserves. The Board's direction to staff was to overhaul AIA's digital presence and communications so that members interacting with AIA online found information easily and to make it relevant to the member.

A lot of work has been done to set up the new infrastructure needed to make this happen. The first tangible result of AIA's digital transformation is in place. This year, members are renewing using a new online experience. The process has been streamlined from 7 steps to 3 so that it is quick and a visually fresh experience for members. By the end of

the year, AIA will launch a new online public experience that brings the relevancy of architects to the everyday person in a clean, simple voice that makes architecture understandable and approachable. In the first part of next year, AIA will launch a completely new AIA.org site that is focused on the member. In addition to a new visual design, technology will allow members to access AIA information across multiple devices such as phones, tablets, and desktops. Members will have easier access to resources and content that they care about, including an online member directory, which will help members—especially those in our international chapters—find and contact each other with ease.

You can watch a video from *AIArchitect* that shares some of the behind the scenes things going into the digital transformation of AIA at www.aia.org/practicing/AIAB107215. ■

In the first part of next year, AIA will launch a completely new AIA.org site that is focused on the member.

ALL WINNERS SHARE ONE THING IN COMMON:
THE ABILITY TO TURN HEADS.

ENTER YOUR
BEST MARVIN PROJECT.

**MARVIN ARCHITECTS
CHALLENGE 2016**

MARVIN
Windows and Doors

Built around you.®

VISIT: MARVINWINDOWS.COM/ARCHITECTSCHALLENGE
TO SUBMIT YOUR 2016 PROJECT BETWEEN
FEBRUARY 1 - APRIL 1



To explore solutions for your next project, contact your New Hampshire Marvin Representative

Patrick Gordon at 413.384.0000
pgordon@awhastings.com
or visit marvinwindows.com



2015 WINNER BEST REMODEL/ADDITION
Jacob Albert & JB Clancy
Albert, Righter & Tittman Architects Inc. with Sally Berk Associates AIA

Transforming the Lives of Students Seeking to Become Architects

Paying Forward



AIA New Hampshire is partnering to support the education of architecture students with Honorary AIANH member Jay Kahn. Jay retired in January from Keene State College after 27 years as Vice President for Finance and Planning and one year as interim president in 2013. Together, we have created, the AIA New Hampshire-Kahn Family Fund for the Advancement of Architecture. The goal of this endowment is to support KSC architecture student study-travel opportunities by annually helping students' study abroad and in the US, to expand their knowledge of architecture beyond New Hampshire, and to be better prepared for their professional lives after graduation from KSC.

Through contributions from this fund, two KSC sophomores Connor Bell of Northwood, NH and Rachel Lamica, from Malone, NY, were able to accompany Professors Peter Temple and Donna Paley to Kigali, Rwanda and southern Uganda this January. While there they researched projects for a health care center in Kigali and a new primary school in Bucundura, Uganda. The research informs 36 students this semester, who are working with Temple, Paley and Michael Petrovick AIA to design the new facilities. The designs will be presented and exhibited during the AIANH Chapter meeting at Keene State College on April 28. (We invite you to attend this event; details at www.aianh.org/news/aianh-events.)

Connor Bell described his African experience as life changing. Like most other KSC students, Connor had seldom traveled outside of NH prior to coming to KSC. Since then he has joined the KSC AIA-Student Chapter on trips to Nashville, Washington, Philadelphia, and Pittsburgh. His vision and dedication for architecture have grown significantly as a result of seeing buildings first hand from different periods, places, and economies and learning about the design challenges faced during their creation. This is precisely what the fund is intended to support.

You can play a role in transforming the lives of students aspiring to be Architects by helping the fund reach its initial goal of

Dr. Jay Kahn Hon. AIANH and the Chapter have created, the AIA New Hampshire-Kahn Family Fund for the Advancement of Architecture.

\$20,000. To date the Fund has collected over \$10,000. Checks should be made out to KSC and the memo field should indicate AIA New Hampshire-Kahn Fund. The address for sending gifts is as follows:

Keene State College
Office of Advancement
229 Main St.
Keene, NH 03435-2701

Act now to make a gift to support Keene State College Architecture students from New Hampshire and the northeast who aspire to enter architecture and construction professions. Our future architects and the profession will benefit.

Thank you for your consideration. ■



ARCHITECTURALLY CORRECT

Cable rail systems for both internal and external use! Viewrail's innovative design allows all of the fastening hardware to be hidden inside either wood or steel posts. The same concepts that make it elegant, also make it easy for contractors to install.



www.ClearyMillwork.com
800 486 7600

Contact Bill Osgood
for more information.
(774) 273 0274

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 \$320 for four months for non-members. Listings for Positions Sought are free for everyone. Please include your contact information with your ad listing.

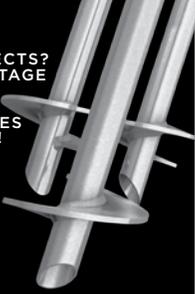
SUMMIT ENGINEERING

- Structural Engineering
- Building Science
- Forensics,
- Historic Preservation
- BIM Integration

SUMMIT ENGINEERING
Quality Structural Design, Construction Administration, and Inspection Services.

summitengineeringinc.com
603.319.1817

ADDITION PROJECTS?
BUILDING A COTTAGE
OR A PATIO?
OPT FOR THE
BEST SCREW PILES
ON THE MARKET!



GOLIATHTECH
SCREW PILE SYSTEM
New Hampshire

A DIVISION OF
MATHEWSON COMPANIES INC

160 NORWAY HILL ROAD
HANCOCK NH 03449 USA
T: 603.525.3549
SALES@GOLIATHTECHNH.COM

WWW.GOLIATHTECHNH.COM

Submit Your Details...

Do you have an interesting job on the boards or one that is newly completed? How about a new hire, a promotion at your firm, or someone had a baby? Maybe you've recently received an award or had your project featured in a magazine?

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).

World's Most Liberal City

Text & Photos by Bruce Hamilton AIA



With every justification, Amsterdam is one of Europe's top short-break destinations. It's a compact, likeable city which was instantly appealing to our tour group. The city's canals are its main draw. We were able to take a cruise and stroll around the Grachtengordel and Amsterdam's UNESCO protected canal ring while discovering plenty of interesting facts about the city along the way.

The best approach to Amsterdam, in regards to appreciating how this city was founded and developed, is a boat trip down the canals. A trip in a pleasure boat enables one to discover that Amsterdam is not an imperial city built by pretentious, ambitious sovereigns. It is a city whose houses and buildings were erected by a rich middle-class, enlightened lovers of beauty with a passion for details and refinement. Today, the canals are one of Amsterdam's most extraordinary monumental aspects. Seventy-five thousand trees shade the canals, seventy thousand houses are declared national monuments and one thousand bridges join banks and islands. There are dwelling places and thousands of houseboats that can be seen along the canals. Today's Amsterdam spans some ninety islands linked by scores of bridges and viaducts.

Near the Scheepvaart Museum, located

at the Oosterdok in Amsterdam-Centrum is Netherland's largest science and technology museum, a majestically futuristic building in the shape of a ship's prow, designed by Renzo Piano. With five floors full of exciting things to do and discover, it was the perfect place for our tour group with inquiring minds. Everything in NEMO is connected to science and technology: exhibitions, theatre performances, films, workshops and demonstrations.

The National Maritime Museum (known as the Scheepvaart museum in Dutch) is one of the most important naval museums in existence and the glorious history of Dutch navigation from the 17th century to this day showing many artifacts associated with shipping and sailing. The imposing three-story building – a former naval store house – consist of atlases, prints, nautical charts, world maps, naval instruments and equipment, paintings, plus a collection of 500 models of ships and boats. A journey through the museum offered our tour group a vast panorama of both the Military and Merchant Navy in the Netherlands. Moored outside the museum is a replica of the VOC Amsterdam, an 18th century ship that sank on her maiden voyage on January 26, 1769.

After touring through these museums, we journeyed to the Oude Kerk, which is the oldest and largest church located in the

heart of Amsterdam, in the middle of the Red Light district; a stone church, dedicated to St. Nicolas, built around 1300. Over the centuries, the church has grown into an impressive building and is still considered to be Amsterdam's living room. The red door leading into the old sacristy of the Oude Kerk is topped by a curious inscription: "Het is haast getrouwd, dat lange rouwt," "Marry in haste, repent in leisure." According to our tour guide, a warning for the couples who after 1578 crossed this threshold to register their intention to marry with the commission-



Partial view of NEMO Museum



Exterior Sign at a Local Cafe

ers. In Amsterdam, the expression “going through the red door” means “taking out a marriage license.”

A step away from the Oude Kerk, we found ourselves immersed in the seedy underbelly of Amsterdam’s Red Light District, where barely clad prostitutes advertise themselves behind glass windows along the medieval canals and alleyways. With legalized marijuana and prostitution, Amsterdam embodies an earthy spirit of live and let live.

Rattling our bikes over cobbles we ventured on, past a line of gabled houses reflected in a mirror smooth canal – our tour group experienced the quaintness of the modern scene in Amsterdam’s forward-thinking urban centers. In Amsterdam, you can see Vincent Van Gogh’s sunflower and climb through Captain Vincent’s tiny boat house. Besides the city’s many historic sites, we were able to explore everyday neighborhoods, with



Exterior of Scheepvaart Museum

their charming carillons, cannabis coffee shops, one-of-a-kind boutiques, thriving happy-hour hangouts, and centuries of history.

The restaurant Café in de Wang buzzes day and night; its outdoor café is filled to bursting capacity all afternoon. The Cafe serves late night snacks of nachos and Dutch cheeses to soak up any surfeits of alcohol and the locals will even show you the correct way to swallow a pickled herring.

Amsterdam today looks much as it did in its Golden Age, the 1600s. It’s a retired sea captain of a city, still in love with life, with a broad outlook and a salty story to tell. The different looks and types of homes and other buildings still draw a timeline of the periods in which they were built. Just as the city has grown and changed over the centuries, its various architectural styles have remained as documents of that development, as the architecture of each historical period generally exhibited a high degree of stylistic and structural uniformity.

Today’s Amsterdam is a progressive place of 820,000 people and almost as many bikes. It’s a city of good living, cozy cafes, great art, street corner jazz, stately history, and a care free spirit. As connoisseurs of world culture, they appreciate Rembrandt paintings and Indonesian food. Approach Amsterdam as an ethnologist observing a strange culture. It’s a place where carillons chime quaintly from spires towering above coffee shops. We were able to take it all in, pause to watch the clouds blow past stately old gables and see the Golden Age reflected in a quiet canal. ■



Historic Oude Kerk – Interior Photo



Historic Oude Kerk Church



Historic Houses

Details...

DeStefano Architects (DJA) has been selected as a winner in *New Hampshire Business Review's* 2016 BOB Awards, which honor the best of business in New Hampshire in over 90 categories. DJA was honored in a statewide readers' survey in the Best Architect category.

All of the winners were honored at a event on March 3, at the Grappone Conference Center in Concord.

"With 3,100 ballots cast for the 2016 Awards, the BOBs continue to be a considered a standard of excellence in New Hampshire's business community," said Jeff Feingold, editor of *NH Business Review*.

DJA has recently received additional recognition from NHBR for Business Excellence in Real Estate and Small Construction.

Qualifications Based Selection (QBS) What QBS Is and Why Owners Should Use It

by William Straub PE, PG and Jonathan Halle AIA, ASLA
Co-chairs, NH QBS Coalition



Design and construction projects can be complicated. Public and private owners make significant investments in projects of all types: buildings; site developments; utilities; transportation infrastructure and others. Maximizing value while maintaining project goals is often an owner's prime objective.

Most projects require design professionals to evaluate and conceptualize alternatives, prepare preliminary and final designs, procure contractors for construction, and represent the owner during construction. Among design professionals can be engineers, architects, surveyors, and landscape architects. Selection of the most effective and advantageous team of design professionals can be a critical part of a successful project. The team should have experience and background needed for the project, and have good ideas and approaches to project development and completion. They should also have the ability to establish effective working relationships with the owner and other project participants, and to work in an atmosphere of mutual trust and respect.

What is the best way to engage a design team that will best serve the owner's interests throughout a project, and assure the best value from a total project perspective? For many projects it's called Qualifications Based Selection, or QBS.

The QBS process focuses on the professional capabilities, experience, project design approach, schedule, and responsiveness to the owner's needs. Based on these attributes, the owner ranks firms and identifies the most preferred firm. With the preferred firm, the owner participates fully in the development of the alternatives to the approach for the design project's scope of work, schedules, and other aspects of the project. When there is a common understanding of the design scope and process, the design firm develops costs for these services, which are negotiated. The QBS process can best balance design costs

with design objectives and scopes, recognizing that the cost of design is usually a small fraction of total project and life cycle costs. If an acceptable final contract cannot be established in the owner's interest and opinion, negotiation with the first firm ends and the owner negotiates with the next ranked firm.

A prime advantage for owners using the QBS process is that the owner maintains maximum control over the design process of the project, and the costs for design services. The costs for services are developed jointly between the owner and designer. When QBS is not used, and selection is made primarily on initial proposed costs (bids), there is often a disconnect between an owner's expectations and the services actually received, as designers are essentially encouraged to propose the least possible design effort, and not maximizing value over the entire project life. Again, design costs are often a small fraction of total project costs.

Key steps of the QBS process typically include:

- Issuance by the owner of a Request for Qualifications (RFQ) for professional design services. The RFQ will present the project, project requirements and objectives, requirements for responses, and an outline of criteria for selection;
- Submittal of qualifications packages by design teams of experience, capabilities, personnel, project understanding and approach;
- Interviews with most favorable firms (typically 3-4);
- Ranking of firms; and
- Negotiation of project elements, scope, costs, and contracts with the selected firm.

Central to the QBS approach are the interests of the owner. With this process, owners are best assured that they are provided with the right capabilities and project approach,

Continued on p. 10

Breathe Easier...
Trust the Expertise of RPF Environmental

- Air Quality Testing and Laboratory Analysis
- Industrial Hygiene and OSHA Compliance
 - Asbestos, Lead Paint, Mold, PCB's
 - Environmental Site Assessments
 - Worker Health and Safety Training
 - Infrared Thermal Imaging Surveys

RPF Environmental
TESTING & CONSULTING SERVICES

Offices in Northwood, NH and Amesbury, MA
Call 1-888-SAFE-AIR or visit www.airpf.com

Energy Matters Where do Architects Fit In?

by David Ely AIA



The Environmental Guild is the NH chapter of AIA's Committee on the Environment or COTE. The Environmental Guild was started by Stu White AIA in the early '90s as a consortium of architects, engineers, contractors, realtors, bankers and others with a stake in the built environment. It has always been a forum where we can work together to promote a more sustainable method of constructing and renovating our buildings and communities.

Between 2003 and 2010 The Guild organized 6 Integrated Design Integrated Development (IDID) conferences to promote more sustainable and energy efficient practices. We had many notable keynote speakers including Ed Mazria of Architecture 2030, David Orr, Pliny Fisk and others. After 2010 the Guild, with AIANH, started concentrating more on educational sessions, including the AIA+2030 series and most recently the 2030 & Beyond series. These sessions give guidance and details on how to reach net zero in new construction and renovations. They will continue this year with all-day sessions planned for June, September and November. We are currently organizing them and will be presented by well-known and highly respected authorities in the field of building science, construction and engineering to meet the 2030 Challenge, including Marc Rosenbaum and Peter Yost. Stay tuned for more information.

We as Architects have a responsibility to reduce carbon emissions in new construction and renovations.

Buildings account for almost half of all energy used in this country. We as Architects have a responsibility to reduce carbon emissions in new construction and renovations. Energy prices and sources are volatile; global conflict effects oil prices. We are now above 400 ppm atmospheric carbon which has the potential to cause irreversible global warming. Building science provides the tools to design buildings which are energy efficient, resilient, and comfortable.

I'm very pleased that most Architects are interested in and educating themselves on best practices for energy efficiency, and urge you to stay in the forefront of this effort by attending the upcoming 2030 & Beyond sessions. ■



Doug Bencks FAIA, center, was honored at the March 17 Chapter Meeting for his elevation to the AIA College of Fellows. Jim Warner FAIA, left, made the presentation. Victor Azzi PE, right, was responsible for bringing Doug to the Univ. of NH.

**Thank you to our Sponsors
for the March 17
AIANH Chapter Meeting
at 3S Artspace**

VISIBLELIGHT
MANUFACTURERS' REPRESENTATIVE



**McHenry Architecture
Summit Engineering, Inc.**

**THE ARCHITECTS'
CHOICE SINCE 1933**
Spaulding Brick Co., Inc.



28 Daniel Plummer Road
Goffstown, NH 03045
603-647-8442 Fax 603-647-8439

5 Lopez Road
Wilmington, MA 01887
617-666-3200 Fax 617-625-8110

250 Station Street
Cranston, Rhode Island 02910
401-467-2220 Fax 401-467-2359



Striving to be the leading voice promoting free enterprise within the construction industry!

For more information or to learn more about membership contact the Chapter office: 603-226-4789



Details...

Cynthia Stockman, PE has joined **TFMoran** as a civil engineering Project Manager in its Bedford office. Ms. Stockman has a Bachelor of Science degree in Civil Engineering from Clarkson University and a Master's degree in Interior Design from Boston Architectural College. She is a Professional Engineer in the states of New Hampshire and Massachusetts, and is a LEED Accredited Professional.



Ms. Stockman's experience includes hazard waste remediation, water supply, environmental permitting, and civil/site design. Many of her projects have involved

adaptive redevelopment of industrial sites in Massachusetts, Vermont, and New Hampshire. Her architectural experience includes site planning, building design, and interior design.

AIANH Corporate Allied Partners

Platinum



Gold



Silver PROCON

For information on our Corporate Allied Partner program (CAP), please contact Carolyn Isaak, office@aianh.org, 603-357-2863.

aianh.org

PURCELL Cont. from p. 2

inspector and sometimes fire department). It requires knowledge, a rationale, and often calculations to go this route, but it is clearly provided for in the language of the building code. Prescriptive methods required by building codes are designed to make it easy or simpler to meet the code requirement by following the prescription, but when you feel there is something about the prescriptive language or method that doesn't fit the overall requirements for a project, one can sometimes meet or exceed the overall requirements and intent with a more inventive solution.

Another example of this is the energy conservation code (IECC), where the intent is to design buildings that meet minimum standards for energy performance. The 2009 edition of the energy code (and subsequent editions) allows a performance-based approach based on a reference building, as well as a method for considering the total building envelope load, versus prescriptive requirements. These approaches enable us to use alternate methods for meeting the overall intent of the energy code, where we believe a particular prescriptive provision is not well suited to a project, or a part of a project.

I have always believed that we as Architects need to do our own building envelope calculations, or review our consultant's calcs in significant detail. This allows us to thoroughly understand component energy losses and gains for the building envelopes we design, and completely specify. This part of the building is clearly the Architect's scope, not our Mechanical consultant's. Understanding the numbers in detail allows us to make the most responsible choices to meet or exceed the minimum performance requirements for our building envelopes. ■

QBS Cont. from p. 8

responsiveness, good communication, mutual trust, management, quality control, and design excellence.

A common comparison to the selection of design professionals is how doctors or lawyers are chosen. If someone required major surgery, or had an important legal problem, would they send out for bids from doctors or lawyers, or would they seek a professional relationship based on capabilities, experience, and trust? Few would accept "low-bid surgery".

The QBS process is required for many projects by federal agencies, and for many state programs that use federal funding. This is because these governmental agencies understand that QBS of design professionals results in the most favorable overall project outcomes.

In New Hampshire, organizations of design professionals participate in the NH QBS Coalition, whose mission it is to promote the use of qualifications based selection, and to educate owners, funding and regulatory agencies on the advantages of the QBS process. Visit the NH QBS Coalition website at www.NHQBS.org. The member organizations of the coalition include the American Council of Engineering Companies-NH (ACEC-NH), the American Institute of Architects -NH (AIANH), Granite State Landscape Architects (GSLA), the NH Section of the American Society of Civil Engineers (NH-ASCE), the NH Society of Professional Engineers (NHSPE), Structural Engineers of NH (SENH), and the NH Land Surveyors Association (NHLA). ■

Questions may be addressed to: William Straub PE, PG (wstraub@cmaengineers.com) or Jonathan Halle AIA, ASLA (jh@warrenstreet.coop).

FIFTY-SEVEN YEARS OF CONSTRUCTION EXCELLENCE

North Branch Construction, Inc.

www.northbranch.net • (603) 224-3233 •

Design by JSA, Inc.

GBC Student Success Center
Portsmouth, NH

Providing a level of value, quality, and service that is unrivaled in the construction industry.

Construction Summary

Project Type: Readiness Center Addition
Cost: \$1,000,000 - \$5,000,000
Location: Portsmouth NH
Owner: State of NH
Architect: HL Turner Group
Engineer: BLW Engineers-
Gen. Cont.: JCN Construction Inc

Project Type: Seabrook Welcome Center Renovations
Cost: \$234,494
Location: Seabrook NH
Owner: State of NH-DOT
Architect: Architechnology
Engineers: Ackroyd Engineering, Kohler & Lewis Engineers
Gen. Cont.: Project Resource Group

Project Type: Elliot Hospital Rapid Treatment Renovation
Location: Manchester NH
Owner: Elliot Hospital
Architect: Morris Switzer Environments For Health
Gen. Cont.: Eckman Construction

Project Type: Alms Building Facility Upgrade (Strafford County Complex)
Cost: \$844,777
Location: Dover NH
Owner: Strafford County
Architect: McHenry Architecture
Gen. Cont.: Ricci Construction

Project Type: Center For Theater & Dance (Phillips Exeter Academy)
Location: Exeter NH
Owner: Phillips Exeter Academy
Architect: Tod Williams Billie Tsien Architects
Gen. Cont.: Daniel OConnells Sons Inc

Project Type: Multi Specialty Clinic
Location: Lebanon NH
Owner: Alice Peck Day Memorial Hosp.
Architect: Morris Switzer Environments For Health
Engineering: Engineering Ventures, Slade Engineering, Pearson & Associates
Project Manager: Steve Horton Construction Consulting Inc
Const. Mgr.: DEW Construction Corp

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



Visit us on Facebook!

AIANH:
www.facebook.com/AIANewHampshire

AIANH Emerging Professionals Network:
www.facebook.com/AIANH.EPN



SAINT ANSELM COLLEGE | CAMPUS GREEN
 Goffstown, NH

TFM *Design*
Landscpe Architects

*Creating sensitive and thoughtful
 land planning and landscape plans.*

CONTACT: Anne Cruess, PLA - Chief Landscape Architect
(603) 472-4488 www.tfmoran.com
TFMORAN, INC. 48 CONSTITUTION DRIVE, BEDFORD, NH
 MSC DIVISION, PORTSMOUTH, NH www.msceingineers.com

April Chapter Meeting

Cont. from p. 1

character of the campus, which has resulted in a beautiful environment displayed in both the buildings and grounds. Additionally Jay supported the development of the architecture program and major at Keene State.

Our evening will begin with the AIA NH High School Design Competition exhibit and the KSC Architecture Open Studios starting from 4:30-5:30. The architecture students look forward to the opportunity to network with regional professionals and receive informal feedback on their work.

The event also includes dinner.

Please join us.

Registration is available online at:
www.aianh.org/news/aianh-events.

1.25 AIA LU

Platinum Sponsor:



Gold Sponsors:

LAVALLEE|BRENSINGER ARCHITECTS

Catlin + Petrovick Architects, PC

"A local firm with a national presence"

Working with NH
 architects since 1974.

HEB
Engineers
 CIVIL • STRUCTURAL • SURVEY

www.hebengineers.com
 Employee-owned in North Conway, NH

Calendar of Events

Apr 10-13 Keeping History Above Water: one of the first national conversations to focus on sea level rise, historic preservation and how to reconcile the two. Attendees will hear from national leaders in the field of architecture, climate science, engineering, planning and other related disciplines. \$295 covers four days of conference activities. Sponsor/Organizer: Newport Restoration Foundation. Newport Marriott, 25 American's Cup Ave., Newport, RI. Contact: Kelsey Mullen, kelsey@newportregistration.org, 401-846-4152 x 113, www.historyabovewater.org. **AIA LUs offered.**

Apr 10-13 ESBOF Educational Conference 2016, Sheraton Conference Center, 250 Market St., Portsmouth, NH. The 2016 Annual Conference will be the 1st year of a multi-year program - The Jeffrey Coates Code Officials Management Program. Two other tracks will be offered: 2015 IRC and IBC Essentials and Life/Fire Safety Sessions. More information and registration: <http://www.aianh.org/news/other-events>

Apr 28 AIANH-KSC: Campus Transformation in Form and Function, KSC, See page 1. **1.25 AIA LU**

May 19-21 AIA Convention. AIA Convention 2016 is the architecture and design event of the year. It's big, it's exciting, and it's where your community comes together for an incredible experience. Pennsylvania Convention Center, Philadelphia, PA, <https://convention.aia.org>.

May 26 AIA New Hampshire Visits Applecrest Farm, 5:30pm to 8:45pm. Our May Chapter Meeting will be at Applecrest Farms, hopefully when the trees are in full blossom (though we can't guarantee that!). Alba Architects of Woodstock and Moultonborough, NH, designed this 11,000 sf new facility consisting of a retail farm-stand, bakery, and small farm to table restaurant, as well as the associated backup functions of storage, prep areas, and offices. Architecturally the new building sits in harmony with adjacent 100-year-old barn structures, yet utilizes many modern construction technologies, including a complete building envelope of insulated concrete forms. We'll tour the facility, hear from the architects, owners, contractors, and enjoy a pig roast. More information and registration will be available here soon. **AIA LUs available.**

June 30 AIANH House Tour, Peterborough area, reception at the late Rick & Duffy Monahan's Four Winds Farm.

Do you have an interesting photo? Why not send us one to print? 300 ppi jpegs, approximately 4 x 6 inches, BW or color. (photos are also posted on the website at www.aianh.org/news/photo-of-the-month.) Send along a title, caption, and your name, to office@aianh.org.



AIA
New Hampshire

310 Marlboro St. 2nd Floor
Keene, NH 03431

Address Service Requested

Presorted Standard
US Postage
PAID
Permit No. 9
Jaffrey, NH

Printed on Recycled paper

Photo of the Month



Torre Del Reloj (Entrance to the Walled City), Cartagena, Bolivar, Colombia
by Paul M. Velandry AIA, Regional Manager, Hillmann Consulting, LLC

Cartagena's most famous landmark, is considered the main gateway to the walled city. Originally called Boca del Puente (The Mouth of the Bridge), it links Getsemani to the Old City via a drawbridge over a moat. Construction began in 1601, and in 1631 the tower became the principal door to the city as the fortifications around the city were completed. In 1888 restorations were completed by architect Luis Philip Jaspe Franco, who gave the tower a gothic style with eight sides to show four faces of the clock.