

NC Architecture

A publication of The American Institute of Architects North Carolina Chapter
www.aianc.org | Volume 4 Issue 2



DESIGNING THE FUTURE

SPECIAL ASPIRE EDITION

April 14-16, 2019 | Asheville, North Carolina



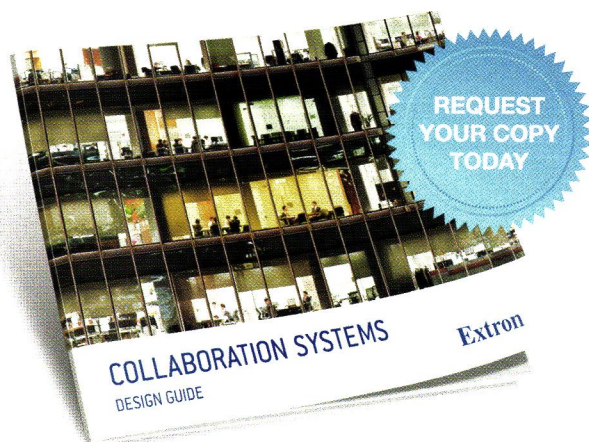
OPEN SPACES ♦ HUDDLE ROOMS ♦ TRAINING ROOMS ♦ CONFERENCE ROOMS ♦ CLASSROOMS ♦ BOARDROOMS

The Definitive Guide to Collaboration System Design

Our new Collaboration Systems Design Guide shows how Extron technology can be used to create modern workspaces and meeting rooms that facilitate collaboration. Our open systems architecture integrates easily with market-leading unified communications solutions, offering a one-touch user experience for conferencing, collaboration, and control. Through our technology partnerships, we can extend Extron control capabilities to spaces that use Zoom, Cisco, Logitech, and many other popular providers. In addition, we have the system design experience, critical customer support, and enterprise software solutions to help ensure your success.

Extron offers:

- Complete collaboration solutions for any environment
- Integration with leading UC technology providers
- Room scheduling and AV resource management tools
- Wired, wireless, and streaming AV platforms
- Intuitive, intelligent, energy-saving systems
- Industry-leading technology training and customer support



Extron

800.633.9876 • www.extron.com/collaboration

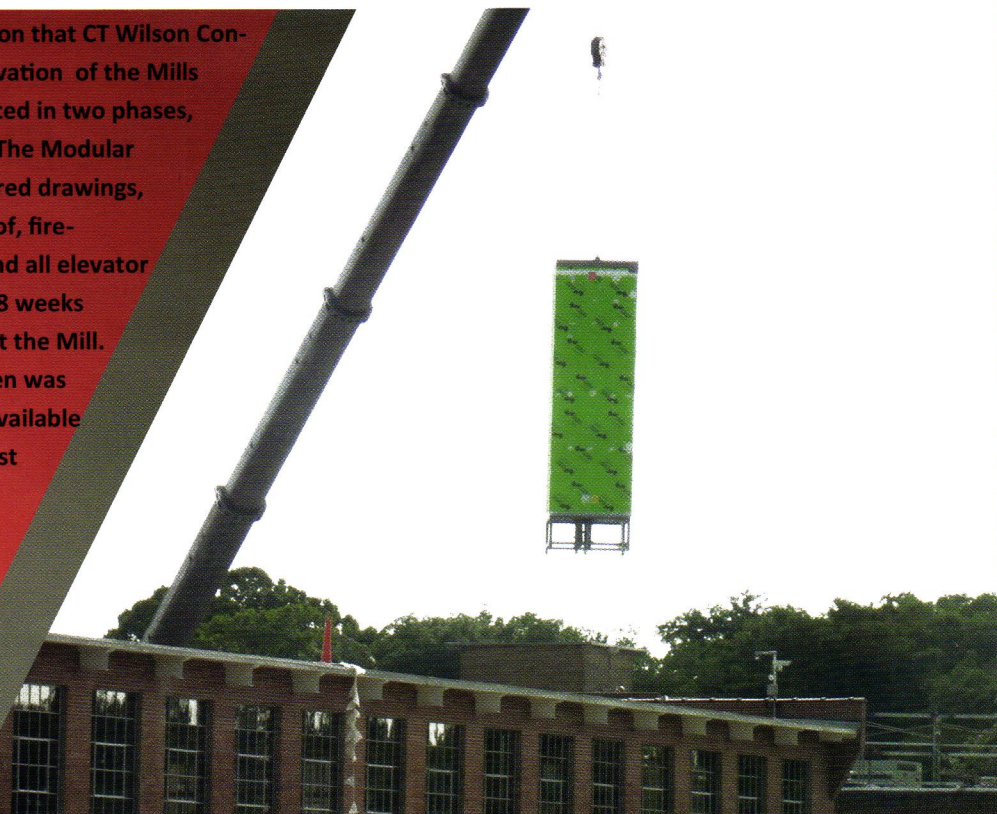
resolute ELEVATOR



PO Box 723
Snow Camp, NC 27349



The Modular Elevator System was just the option that CT Wilson Construction Company was looking for at the renovation of the Mills at Rocky Mount. The project had to be completed in two phases, with each phase under strict time constraints. The Modular Elevator System comes with stamped engineered drawings, calculations booklet, rubberized membrane roof, fire-rated structure, pit ladder, pit light, pit GFCi, and all elevator equipment pre-installed and wired. After only 8 weeks of production time the modular elevator was at the Mill. It was craned in to place in 15 minutes and then was inspected within 2 weeks time. This system is available in many different applications such as: Twin-post Hydraulic, Traction, MRL Hydraulic and MRL Traction. The system is also very adaptable. We can utilize a machine room built by a contractor, like we did on this project, or we can provide a modular one that includes all elevator equipment pre-installed, lights, mini-split, rubberized membrane roof, fire-rated structure, and disconnects.

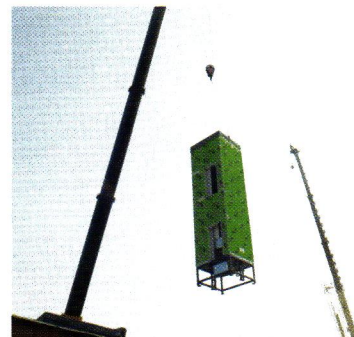
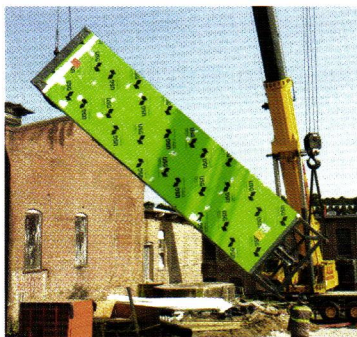


The Modular Elevator System is the way of the Future!

Our Modular Elevator System:

- Safer
- Economical
- Faster
- Non-Proprietary
- Industry Standard Elevator Equipment

Each of our modular elevators come with project specific stamped drawings and Calculations booklet.



HSW
Credit!

Call To Schedule A
Lunch and Learn Today
(919) 903-0189



View Online
www.ResoluteElevator.com

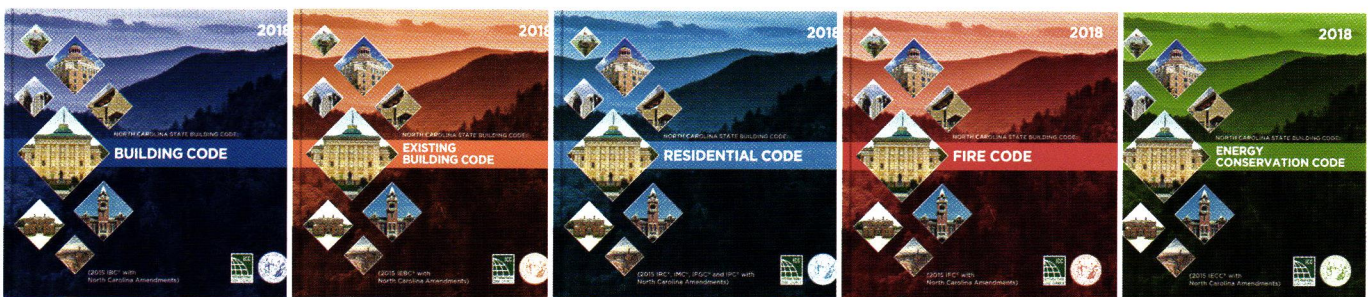
Now available!

2018 NORTH CAROLINA STATE BUILDING CODES

Updated provisions lead the way to safe, resilient design in the Tar Heel State.

The 2018 North Carolina State Building Codes are fully integrated publications that combine ICC's widely adopted 2015 International Codes® with customized amendments adopted statewide.

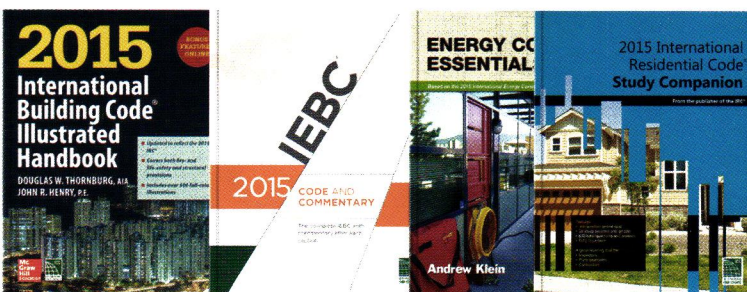
The updated codes come in loose leaf binders or downloadable PDF for added convenience.



- 2018 NORTH CAROLINA STATE BUILDING CODE: BUILDING
- 2018 NORTH CAROLINA STATE BUILDING CODE: EXISTING BUILDING
- 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL
- 2018 NORTH CAROLINA STATE BUILDING CODE: FIRE
- 2018 NORTH CAROLINA STATE BUILDING CODE: PLUMBING
- 2018 NORTH CAROLINA STATE BUILDING CODE: MECHANICAL
- 2018 NORTH CAROLINA STATE BUILDING CODE: FUEL GAS
- 2018 NORTH CAROLINA STATE BUILDING CODE: ENERGY CONSERVATION
- 2018 NORTH CAROLINA STATE BUILDING CODE: ADMINISTRATIVE CODE AND POLICIES

SAVE when you order the discounted **Complete Collection!**

Valuable ICC resources help you learn, interpret and apply the latest codes.



- 2015 IBC Illustrated Handbook is an easy-to-use visual guide to the building code.
- Commentaries contain expert commentary following each code section.
- I-Code Essentials full-color guides focus on the critical fundamentals affecting everyday code application.
- Study Companions provide helpful practice quizzes and learning assignments for self-study.

Order the latest North Carolina State Codes plus helpful code tools today!

1-800-786-4452 | shop.iccsafe.org

CONTENTS

- | | | | |
|-----------|-------------------------|-----------|-----------------------------|
| 7 | Opening Letter | 15 | Keynote: Sarah Susanka |
| 8 | Speakers Schedule | 16 | Keynote: Roy Spence |
| 13 | ASPIRE Talks Explained | 17 | Partner Knowledge Blocks |
| 14 | Keynote: Chad Pregracke | 19 | Charrette: Imagining Change |

Thank You to Our Advertisers

AZEK Building Products20	Harriscost, LLC.....20	Petersen Aluminum Corporation22
www.azek.com	www.harriscost.com	www.pac-clad.com
Dri-Design23	International Code Council.....4	Resolute Elevator.....3
www.dri-design.com	www.iccsafe.org	www.resoluteelevator.com
Extron.....2	Palmetto Brick.....24	Timmons Group.....21
www.extron.com	www.palmettobrick.com	www.timmons.com
Hanover Architectural Products6	Patterson Pope.....21	
www.hanoverpavers.com	www.pattersonpope.com	

Published for:

The American Institute of Architects
North Carolina Chapter
14 E. Peace St.
Raleigh, NC 27604
p: (919) 833-6656
f: (919) 833-2015
e: info@aianc.org
W: www.aianc.org

NC Architecture is published by
Innovative Publishing.
10629 Henning Way, Suite 8
Louisville, KY 40241
(844) 423-7272

www.innovativepublishing.com

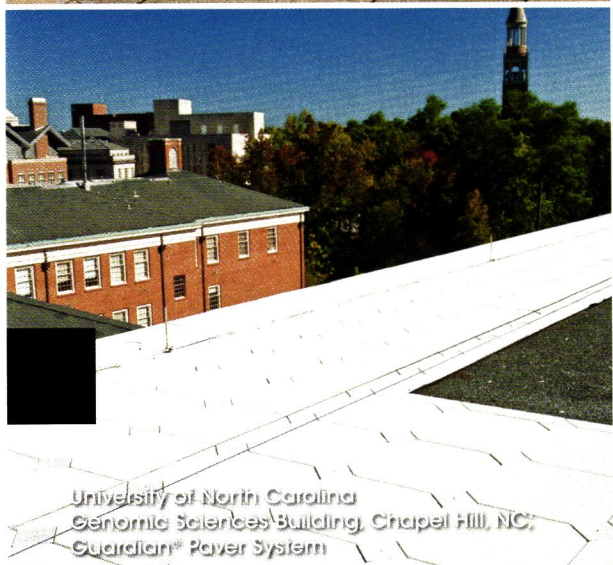
To advertise in future issues of
NC Architecture, please contact
(844) 423-7272 or advertise@
innovativepublishing.com.



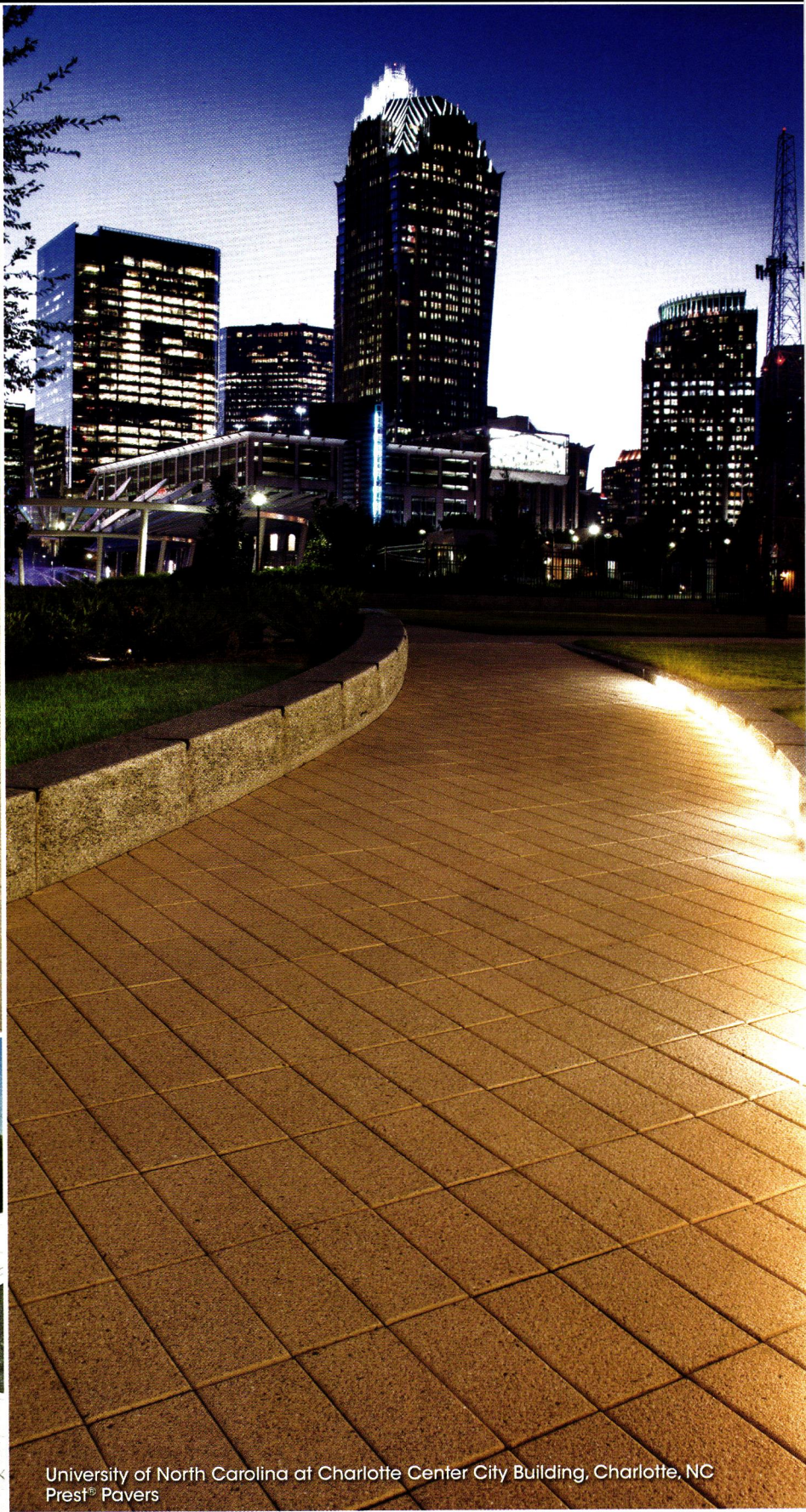
NEW Porcelain Pavers



Gateway West Uptown Flats, Charlotte, NC;
SlateFace® Pavers, Chapel Stone® Garden Wall



University of North Carolina
Genomic Sciences Building, Chapel Hill, NC;
Guardian® Paver System



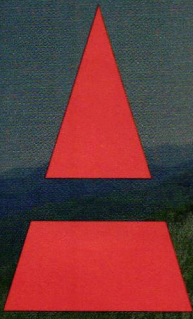
University of North Carolina at Charlotte Center City Building, Charlotte, NC
Prest® Pavers

Where Concrete and Imagination Meet.

Hanover® has participated in the development of concrete pavers for over 40 years, as they became an integral part of architectural design. From green roofs and rooftop pools to on-grade entrance ways and driveways, Hanover® can provide the highest quality unit paver for your next project.

HANOVER®
Architectural Products

www.hanoverpavers.com • 800.426.4242



SPIRE

DESIGNING THE FUTURE

Colleagues of the AIA South Atlantic Region, let us be the first to welcome you to **ASPIRE!**
Our mission — to remind you why you became an architect!

ASPIRE will be the new South Atlantic Region design experience, starting April 14-16, 2019 in Asheville and continuing annually through 2021. Join us for intriguing conversations, enlightening keynotes, entertainment, education and celebration of architecture in the South Atlantic region. **ASPIRE** will be hosted in a variety of venues throughout Asheville, eliminating the old model of convention halls and windowless meeting rooms. Attendees will immerse themselves in the unique architecture and culture of the South Atlantic Region.

At **ASPIRE** you will:

Be inspired through our **ASPIRE** talks from visionaries like Christy Respress of Pathways to Housing in Washington, D.C., who has implemented a proven method to end chronic homelessness.

Be engaged through **ASPIREside** chats with presenters. You'll have the opportunity to ask questions, and you'll learn how to implement lessons learned in your hometown.

Explore Asheville: through unique behind-the-scenes tours to places like the Biltmore and Sierra Nevada Brewing, hiking trips, kayaking and more.

Celebrate architecture at a one-of-a-kind design awards celebration on Sunday night featuring live music at Pack Square. Be inspired by Jury Chair Julie Snow, FAIA, founding principal of Snow Kreilich Architects and recipient of the 2018 AIA Architecture Firm Award.

Connect with your friends and colleagues from your state and region. Also, for our allied partners, we offer new, targeted opportunities to engage with architects in the Southeast.

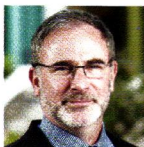
Learn visionary marketing techniques that will excel your company from world-class speakers such as Roy Spence, author of the book *It's Not What You Sell, It's What You Stand For: Why Every Extraordinary Business Is Driven by Purpose*, and learn from the marketing mind behind some of the world's most successful brands.

Make a difference by participating in a design charrette addressing today's societal issues.

Registration is open.

Visit www.aspireexperience.com.

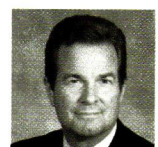
ASPIRE — come as you are, leave transformed. See you in Asheville.



Mark Levine, FAIA
SAR Representative
2016-2018



Luke McCary, AIA
SAR Representative
2017-2019



Walt Teague, FAIA
SAR Representative
2019-2020



Health By Design

Growing Pains: Maintaining Vision Through Change

Ashley McCormick, Associate AIA, IIDA and Willy Schlein, AIA

Novus Architects
Monday, April 15
8:30-10 a.m.

How do you navigate the completion of a project when the architect is the only remaining link to the project's original vision? Join us to explore tools used during a recent health care renovation project, where Novus Architects addressed the replacement of hospital administration and four new directors of facilities, as well as a new contractor.

Novus Architects will be speaking about specific challenges a health care project may present to design professionals and ways to address these challenges. We will explore a specific ongoing health care renovation project that has faced an unusual number of challenges including the new hospital's administration (CEO and CFO), new foundation director, the position director of facilities turning over four times and the original contractor and owner's representative being terminated during construction of the project. Novus was able to successfully navigate completion of the project, as well as help the new administration carry out the original vision of the project.

Demystifying Net Zero for the Southeastern Region

Thomas Carlson-Reddig, AIA and Alex Lowrie
Little

Monday, April 15
8:30-10 a.m.

You hear about net zero everywhere you look, but how feasible is it really? While the demand for energy in the U.S. consistently increases, the volatility of energy prices, shifts in climate patterns and increasing demand can be challenging. We will look at what this means in the Southeastern climatic region.

We have a responsibility as architects to recognize the impact our work has on the world. We have an opportunity to design in order to create a better future. Net zero can help us do that, but it's often thought of as too difficult to do. This session will demystify how to apply net zero principles to a common building typology while discussing the challenges (both large and small) to give a clear understanding of the net zero picture.



Community By Design

Blueprint for Better: Engaging Your Community in the New Urban Agenda

Tim Hawk, FAIA

AIA National

Monday, April 15

8:30-10 a.m.

In recent years, AIA has conducted research with both architects and the public. The research shows that there is tremendous respect for the profession of architecture, but the public isn't always aware of what architects do or how their work affects society. The truth is, in partnership with their clients and communities, architects plant the seeds that blossom into stronger communities. That's a story we want to tell.

This year's campaign, Blueprint for Better, brings to life the role of architects as thought and action leaders in improving our cities, towns and neighborhoods. One of AIA's main goals is connecting with civic leaders and elected officials. We want architects to have a key seat at the table when important civic decisions are made.

The campaign's media and public relations efforts include a partnership with innovative outlets like Wired, a continuous presence at the 2018 Conference on Architecture and sponsorships and events such as Civic I/O at SXSW and Chicago Ideas.

Possibilities in Design

Julie Snow, FAIA

Snow Kreilich Architects

Monday, April 15

8:30-10 a.m.

Julie Snow, FAIA has taught architecture at the University of Southern California, the Graduate School of Design at Harvard and the University of Minnesota College of Design, where she received the Ralph Rapson Award for Distinguished Teaching. Snow's design leadership is also confirmed by her involvement on juries and delivery of lectures in both professional and academic settings. She has lectured at the Walker Art Center, the National Building Museum and the San Francisco Museum of Modern Art, and has made keynote addresses at several AIA conferences across the country.

Snow has been recognized with numerous awards including 2018 AIA Firm of the Year, AIA Honor Awards, the Holcim North American Bronze Award, Progressive Architecture Design Award, the Chicago Athenaeum's American Prize for Architecture, *Architect Magazine's* Annual Design Review and several U.S. General Services Administration's Design Excellence Awards. She recently received one of two architecture awards from the American Academy of Arts and Letters, where the jury commented, "The architecture of Julie Vandenberg Snow might be characterized as invention within convention. That is not to say that her work is conventional but to recognize that, within rigorous underpinning, she and her studio make the marvelous happen. Elegance is balanced by pragmatism — she is a ballerina who can dance in work boots. Albert Einstein is quoted as saying, 'Everything should be made as simple as possible, but no simpler.' The work of Julie Vandenberg Snow does just this."



Housing By Design

Pathways to Housing DC

Christy Respress

Pathways to Housing DC

Monday, April 15

2-3:30 p.m.

What has made Pathways to Housing DC so unique in a city with many mental health and housing programs was the reversal of the traditional treatment sequence. Many organizations follow this sequence and operate with rules and pre-housing requirements such as curfews, compliance with medication, mandated sobriety and participation in groups either before receiving housing or as a requirement to keep the housing. While this works for a portion of individuals experiencing homelessness, a portion that is psychiatrically disabled and vulnerable was left on the streets and not effectively housed within the existing system of care. Pathways DC uses a housing first model — instead of requiring people to be “housing ready,” they offer housing first.

Since placing its first client into permanent housing almost a decade ago, Pathways DC has successfully ended habitual homelessness and supported recovery for more than 800 Washington, D.C. residents. With staff like Christy and her extensive knowledge of Housing First, they not only bring comprehensive, integrated health and social services to nearly 3,000 clients throughout D.C. but are also able to provide technical assistance to communities and agencies around the country to implement this innovative model.

Accidental Archivist: Transforming Modernist Documentation

George Smart

North Carolina Modernist Homes

Monday, April 15

2-3:30 p.m.

With bulldozers destroying mid-century modernist houses daily, many livable works of art remain threatened by rising land prices and disinterested heirs. USModernist founder and podcast host George Smart shares how his team of volunteers documented 7,000 modernist houses — and the how-tos needed to start documenting in their own communities.

America’s mid-century modernist architects and their original clients are almost all dead, their houses have been sold several times and the local real estate community would just as soon market teardowns as it would find new, caring owners. Despite many modernist houses aging over the 50-year mark, city councils and preservation groups have a hard time considering modernist houses to be historic — because 50 years later, many still look like the future. If you’re a modernist fan in one of many towns and smaller cities, you often have nowhere to turn for documentation. Surely somebody has documented the modernist houses. Surely some architect or preservation society or library at least has a list. The answer is usually no, and fans don’t know what to do, so nothing continues to happen. In a world where the amazing work of local mid-century residential modernist architects is largely unheralded, “Accidental Archivist” is the entertaining, informative and inspiring story of how one team of dedicated volunteers documented 7,000 houses — and created a nationwide following. Participants will be inspired to start a documentation and preservation effort in their communities — with nothing more than a car, a cellphone and a laptop.

Resilience By Design

Asheville's Performing Arts Buildings

Kyle Smith and **Debbie Fritz**

Kyle Smith and Associates Inc.

Monday, April 15

2-3:30 p.m.

The Asheville region has a long legacy of providing entertainment for tourists visiting the region from all over the Southeast. This presentation aims to review the rich legacy of performing arts venues constructed in the region and how these building designs transformed from the city's inception to the present.

Starting with one of Asheville's earliest theaters, The Grand Opera House, we will look at photographs, press releases, original theater posters, playbills and architectural drawings of these historic facilities, pointing out some of the distinctive characteristics of these venues. We will invite conference attendees to comment on how social media, the internet and smartphones have outdated many of these historic media platforms and what we might expect for the future. In a case study, we will review the extension of the Pack Square Park to include the Bascom Lamar Lunsford Stage, just outside the Pack Tavern. In 2004, the City of Asheville hired La Quatra Bonci Landscape Architects to design and build a new amphitheater on what was once a parking lot. The amphitheater now hosts several annual festivals, political events, live music and dance performances, and in summer months it allows children and adults to cool off in an interactive fountain area. As the theater consultants for this project, Smith and Fritz will highlight some of the challenges they faced designing and building this amphitheater.

Immediate Disaster Relief

Jennifer Ingram, AIA and **Dan Watch, AIA**

Perkins+Will

Monday, April 15

2-3:30 p.m.

Immediate Disaster Relief focuses on helping people and locations hit by a disaster. The intent is to brainstorm design solutions and logistics that can help within 48 hours after a disaster has struck. These will be implemented for short-term public health, then modified to be a "Forever Solution."

Building and design professionals can use their experience to brainstorm potential solutions to help those impacted by disasters. There are many areas of need within 48 hours of a disaster where designers can use their expertise to help including general aid, communication, access, utilities or shelter.

"The skill set of architects is valuable in all phases of emergency management ... Architects are adept and skilled in anticipating the impacts of interventions in the built environment ..." – AIA Disaster Assistance Handbook

"In the wake of disasters, many companies mobilize to offer volunteers for on-the-ground rapid response activities and to provide financial assistance — but, is there room for more to be done? What expertise can you deploy to help build stronger, more resilient communities in the face of future crises?" – Taproot Foundation



Housing By Design

Building for a New Age

Emily Tuttle, AIA and **Alan Williamson, AIA**

Harrison Design

Tuesday, April 16

8:30-10 a.m.

Ageless Communities for Active Adults are breaking down stereotypes, creating a lifestyle environment promoting aging-in-place and revitalizing the purpose for life through architecture and design.

Through the critical lens of an architect, we will take a dive into active adult communities, from their initial stages of selection and analysis of overall community, development, zoning and neighborhood character, to building form and materials. The intimate details of furniture, lighting and even toilet seat and door hardware selection play critical roles in the success, longevity and impact on residents and the greater community via these “new age” structures. Topics include the age of our population, growth and sustainability and the health and financial state of the aging population and their desires as they transition to the next phase of life.

Tiny Houses: Big Potential for Owners, Architects and Communities

Bill Towson

Georgia Department of Community Affairs

Tuesday, April 16

8:30-10 a.m.

Explore the challenges and potential of tiny houses, which have quickly transitioned from a fad to become a viable alternative to traditional lifestyle housing. Understand the building codes, planning/zoning and governance issues. This is a call to action for communities, architects and local governments to change our urban fabric.

Tiny houses, their challenges and their potential are often misunderstood. This session will focus on site-built structures rather than the media-popularized tiny houses on wheels. We'll cover the architect's opportunity to explain how tiny houses can be used to respond to a broad range of needs, from tiny living spaces to accessory uses like spaces for work, music and art. Two-person households are becoming the norm, creating a mismatch between housing stock and household needs. Local governments will likely feel pressure to accommodate more affordable, diverse housing needs due to the effects of smaller household sizes, modest wages and higher living costs. We'll show how tiny houses can be used to strategically increase density, access and diversity around transit, education and other nodes. To realize this potential, we will introduce the audience to newly adopted national code language, planning/zoning issues and governance/permitting challenges that impede the tiny house movement.

Community By Design

Design Is Never Neutral: Presenting Vancouver's Hogan's Alley as a New Paradigm for Social Justice

Kenneth Luker, AIA

Perkins+Will

Tuesday, April 16

8:30-10 a.m.

Join Architect Kenneth Luker, AIA, of Perkins+Will's Durham, North Carolina, office in a presentation of the conceptual design process for Vancouver's Hogan's Alley project and a discussion of projects of remembrance and social justice.

Hogan's Alley is an unprecedented undertaking by the city of Vancouver, British Columbia, to engage a process of reconciliation with its Black Canadian community. In the early 1970s, the city of Vancouver executed an ambitious plan to construct highway viaducts connecting the eastern

portions of the city with downtown. The path of least resistance for this new construction was a small, tight-knit Black Canadian community known as Hogan's Alley. Construction completely razed this neighborhood of commercial and residential structures and dispersed the Black community. Today, the city is removing the viaducts and plans are underway to redevelop the land, including rebuilding Hogan's Alley as a cultural precinct. This session will present the conceptual design of Hogan's Alley, the crucial role of the community in the project's design process and the impact of Hogan's Alley as a new paradigm for social justice.

ASPIRE TALKS EXPLAINED

ASPIRE Talks

Health by Design Talks

Growing Pains: Maintaining Vision through Change with Ashley McCormick and Willy Schlein

TWO 30 Minute Talks

Demystifying Net Zero for the Southeastern Region with Thomas Carlson-Reddig and Alex Lowrie

1.) You attend one of the ASPIRE Talk Sessions

Community by Design Talks

Blueprint for Better: Engaging Your Community in the New Urban Agenda with Tim Hawk

TWO 30 Minute Talks

Possibilities in Design with Julie Snow

2.) Then, you choose either ASPIREside Chat

2.) Then, you choose either ASPIREside Chat

ASPIREside Chats

1 hour collaborative discussion with speakers Ashley McCormick and Willy Schlein

1 hour collaborative discussion with speakers Thomas Carlson-Reddig and Alex Lowrie

1 hour collaborative discussion with speaker Tim Hawk

1 hour collaborative discussion with speaker Julie Snow



From the Bottom Up Chad Pregracke

Living Lands and Waters

Sunday, April 14

Orange Peel

4-5:30 p.m.



Opening Entertainment

Leeda Lyric Jones

Kicking off our *ASPIRE* experience, our Sunday, April 14 evening keynote speaker will be Chad Pregracke. He is living proof that an average person can make a big difference. Pregracke holds the title of 2013 CNN Hero of the Year. He is also the founder and president of the internationally recognized not-for-profit organization Living Lands and Waters. In addition, Pregracke gives numerous keynotes every year, sharing his stories with many of the world's largest corporations and most prestigious universities. His adventures and challenges translate to audiences of all ages and backgrounds, leaving them inspired to take action. Pregracke exemplifies how one person can make a difference in the world.

Growing up 30 feet away from the Mississippi River, Pregracke became very familiar with the majestic waterway. Spending up to 10 hours a day in the depths and current of the pitch-black water, he worked as a commercial shell diver during his teenage and college years. Over a six-year period, he crawled 150 miles of the river bottom.

He gained a new perspective on the river, looking at it from the bottom up. Pregracke was both amazed by the river's beauty and frustrated with its plight due to years of neglect. The river and its shores were littered with thousands of barrels, tires, cars, campers, plastic bottles, appliances and much more.

Pregracke's sense of humor, passion and enthusiasm help carry the message that we can all make a difference by amplifying his story and entertaining his audiences. His vision and leadership have been recognized through countless awards and honors. A few include CNN's Hero of the Year Award, the Jefferson Award for Public Service (America's version of the Nobel Prize) and being recognized at the Points of Light Tribute in front of all four living former U.S. presidents, where he received a standing ovation for his inspirational message about dreaming big, taking action, persevering, leading and collaborating. He was also named "America's Hardest Working Person" by a competition hosted by Mitchum.

ASPIRE is looking forward to starting off on this energetic and inspirational note with Pregracke as our Sunday afternoon keynote!



Not So Big Life

Sarah Susanka, FAIA

Monday, April 15

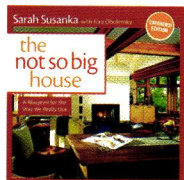
Diane Wortham Theater

6-7:30 p.m.

Opening Entertainment

Jared Emerson

Acclaimed speaker and sought-after media resource Sarah Susanka, FAIA, will be the *ASPIRE* keynote speaker on Monday evening.



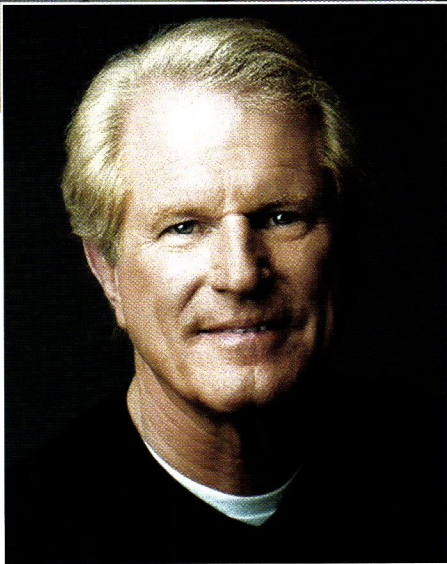
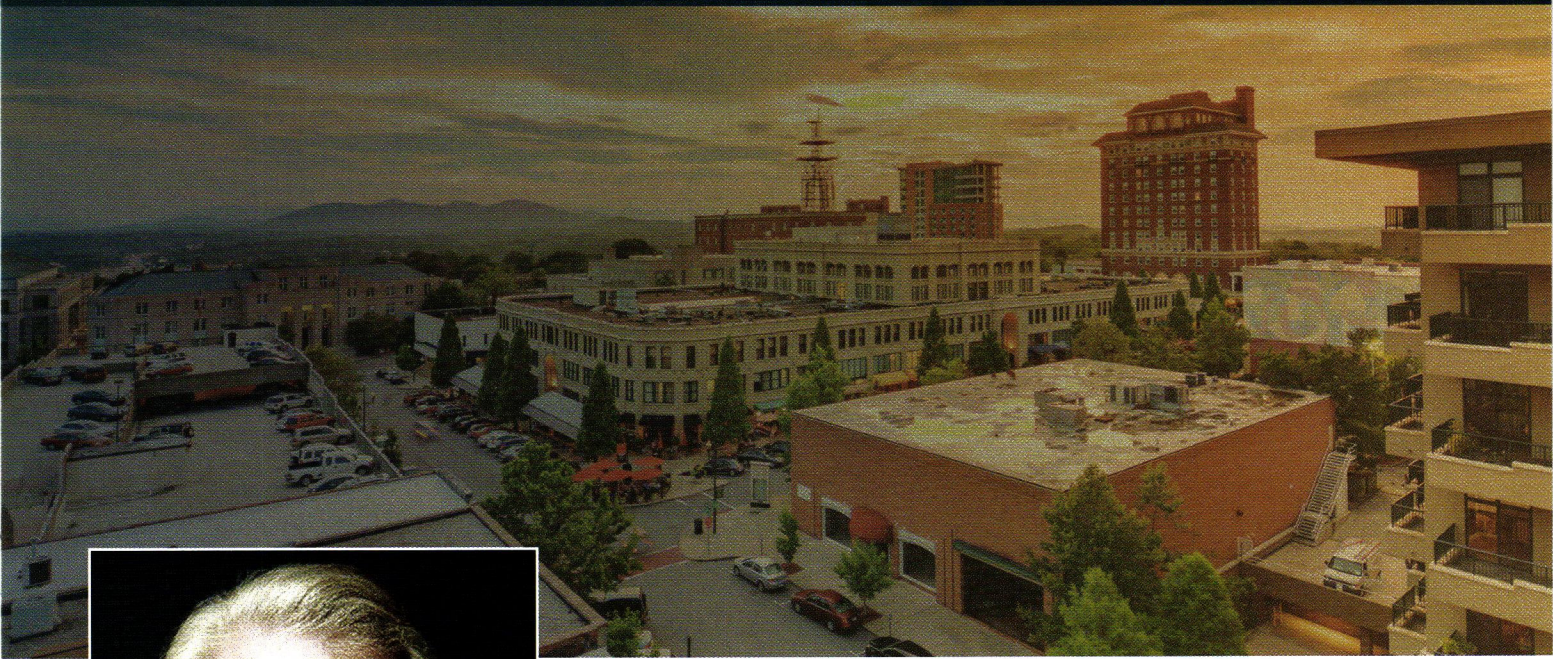
Susanka is known for her book and presentations about *The Not So Big Life*, where she uses the same set of ideas to demonstrate that we can feel "at home" in our lives only when what we do follows who we truly are. Susanka reveals the process of changing the way we live by being in each moment of our lives fully and by being present in whatever is happening.

Regularly called upon for her insights as a trend spotter and social commentator, Susanka has shared her knowledge with *The Wall Street Journal*, *USA Today* and *The New York Times*; magazines include *Better Homes & Gardens*, *AARP*, *Reader's Digest* and *Newsweek*; and television such as "Good Morning America," "Oprah," "Charlie Rose,"

HGTV, "This Old House" and CNN. *The Wall Street Journal* invited Susanka to write the essay "The Future of Home" in 2014, which then appeared in the 125th anniversary edition of the newspaper along with essays from other thought leaders including Mark Zuckerberg and Bill Ford.

Builder Magazine has acknowledged Susanka as one of the 30 most notable innovators in the housing industry over the past 30 years. She was also named to Fast Company's debut list of "Fast 50" innovators whose achievements have helped to change society, *Newsweek* magazine chose her as a "top newsmaker," and *U.S. News* and *World Report* dubbed her an "innovator in American culture." In 2007, Susanka was presented with the Anne Morrow Lindbergh Award by the Lindbergh Foundation for outstanding individual achievement in making positive contributions to our world.

Susanka is also a member of the AIA College of Fellows and a senior fellow of the Design Futures Council. *ASPIRE* is looking forward to hearing her speak as our Monday night keynote.



Closing Keynote Roy Spence

CEO of The Purpose Institute

Tuesday, April 16

Thomas Wolfe Theater

11:30 a.m.-12:30 p.m.

Roy Spence is not only the co-founder and chairman of GSD&M and the co-founder and CEO of The Purpose Institute, a consulting firm that helps people and organizations discover and live their purpose, but he is also the *ASPIRE* keynote for Tuesday afternoon.

With Spence's leadership, GSD&M has helped grow some of the world's most successful brands, including "Don't Mess with Texas," Wal-Mart, the PGA Tour, L.L. Bean, Dreamworks and the U.S. Air Force. Spence has also been a trusted adviser to many corporate leaders, including Wal-Mart founder Sam Walton and Southwest Airlines founder Herb Kelleher. His guidance has also been sought by U.S. presidents and leaders in the U.S. Department of State.

Accomplishments that Spence has received include a lifetime achievement award from the Austin Advertising Federation, being named Adman of the Century by *Texas Monthly* magazine and being inducted into the McCombs School of Business Hall of Fame in 2012.

Spence's main passion in life is entrepreneurship. He profoundly believes that entrepreneurship is the revelation of America. His mantra is "Don't Do Mild" in life or work; follow your dreams, follow your passion and follow your purpose.

ASPIRE will be hosting Roy Spence at the Thomas Wolfe Auditorium in Asheville on Tuesday afternoon, and we are looking forward to hearing his inspirational keynote and wisdom.



Resolving Design Assumptions and Building Operations

Jeanne Huntsman, The Weidt Group

AC Hotel by Marriott

Monday, April 15

8:30-10 a.m.

AIA LU | HSW Pending

Energy models are rapidly becoming a tool for smart management throughout a building's lifecycle, not only during design. The way commercial buildings are operated significantly impacts their actual energy use, whether in response to "occupant comfort," actual environmental conditions or ease of operation. This presentation will reveal how energy models created during building design and updated with operational conditions continue to provide value to the owner-operators on their buildings' energy use and where additional savings can be realized over time. A methodology for collecting and evaluating energy consumption data — and its use in projecting additional savings — will be reviewed, along with lessons learned. Participants will learn how to develop long-term client relationship opportunities through ongoing energy performance analysis, review options available to discern and address ongoing energy performance issues, recognize how energy models created during design stages relate to the meter data of an occupied building and examine how differences between assumed and actual building operations impact energy use and determine steps to be addressed for resolution.

Manufacturing Architecture: An Architect's Guide to Custom Processes, Materials and Applications

Dana Gulling, North Carolina State University

AC Hotel by Marriott

Monday, April 15

8:30-10 a.m.

AIA LU | HSW Pending

This session is based on the book *Manufacturing Architecture: An Architect's Guide to Custom Processes, Materials, and Applications* and will present information about CRM that is specific for building designers and architects. The book is based on the premise that how something is made affects how it can be designed. Organized by manufacturing processes, each chapter includes different materials that can be used for each process and includes a case study of a built project for each process. Included with each process and material is a list of design parameters so that an architect can understand what can be formed with each process. Included in the presentation will be lessons learned by researching the book. This will include the type of manufacturers with which architects may want to collaborate, and how to best work with those manufacturers. Additional information will include production runs, project costs, manufacturing processes and how CRM components may be affected by the public bid process.

Floodplain Design, Construction and Impacts on Flood Insurance

Michael Carter, Smart Vent Products

AC Hotel by Marriott

Monday, April 15

2-3:30 p.m.

AIA LU | HSW Pending

This course will clarify the regulations, codes and standards as they relate to sustaining foundations in flood hazard areas, as well as analyze the role of building compliance in lowering flood insurance rates and what mitigation solutions are available to existing structures.

Attendees will learn of wet- and dry-compliant floodproofing applications to ensure the resiliency of the structure, in accordance with the latest flood codes and regulations, and help to reduce flood insurance premiums.

SAR Tours

Urban Sketching in Downtown Asheville

Lynn Craig, FAIA, Frank Harmon, FAIA and Scott Renk

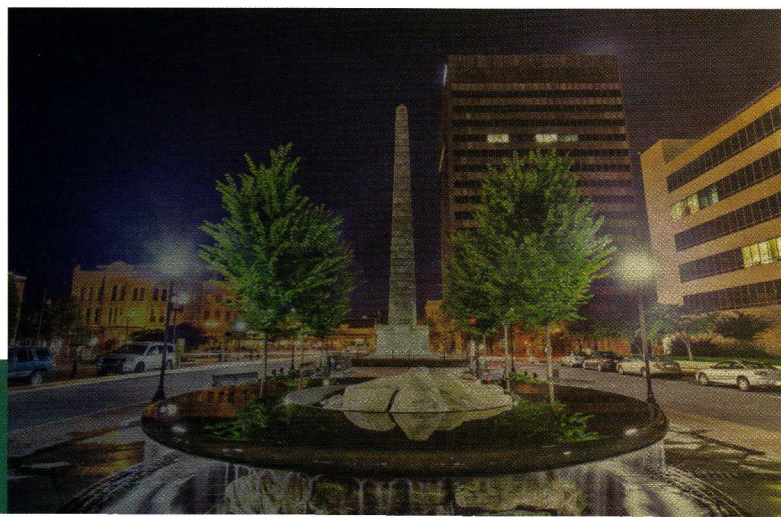
Monday, April 15

1-5 p.m.

Bring your sketchbook and get inspired during this interactive urban sketching workshop as we walk, observe, sketch and discuss the daily life of downtown Asheville, from the sidewalks to the variety of public parks and plazas, while learning new methods of sketching during the architectural design process.

Not only will the attendees come away from the urban sketching workshop with a refreshed appreciation of freehand drawing as an integral component of the design process, as evidenced in the sketchbooks, but they will also be able to share their design experience with their colleagues back in the office.

As architects, we are uniquely qualified to notice the nuances of our environment. The shape of a plowed field, the fabric of cities, the stones in a cemetery wall — all carry a message about how we inhabit our place. If we can express our observations of the world around us more clearly, we can encourage others to look more closely as well.



The “Art” in Code

Alan McGuinn, FAIA

Monday, April 15

10-11 a.m.

1-2 p.m.

Due to the museum's success over the past 15 years in implementing exhibitions and programs that have attracted new audiences and supporters and elevated the museum's profile as a driver of cultural experiences and economic activity, the museum is nearing completion on a major expansion and renovation project to create the new Asheville Art Museum that will better meet the region's needs. Ennead Architects (formerly Polshek Partnership) led the design of the new Asheville Art Museum, while ARCA Design, with the assistance of Clearscapes Art + Architecture, is the construction project architect, working closely with museum staff and an active and engaged building committee.

The new Asheville Art Museum will be a striking 21st century landmark building that complements the early 20th century buildings that surround it. Based on the prior footprint of the museum, the complicated 68,000-square-foot project includes three components: historic preservation and renovation of the museum's north wing (1926 Pack Library building); adaptive reuse involving stripping the museum's former east wing to a shell and rebuilding; and demolition and new construction of the west wing to transform former disparate spaces into a new cohesive, inviting and state-of-the-art museum. The new museum includes spacious exhibition galleries, well-equipped education facilities, a new and expanded library, increased secure storage for a growing collection, and a rooftop sculpture terrace and café. With reopening planned for late Spring 2019, the new Asheville Art Museum will be a celebration of the human creative spirit and a center for lifelong learning.

Partner Trek

Sierra Nevada Brewery Experience – Sustainable Design/Build Tastes Good!

Peter Finsen, Georgia/Carolinas PCI

Monday, April 15

12:30-5 p.m.



Join representatives of the owner, design/build team and precast fabricator to explore the owner's intent and commitment to responsible building operations and LEED Platinum Certification. The presentation will include design intent, challenges and design/build team solutions — with tapas, beer tastings and a backstage tour of the building complex.



Sustainable design drove the construction of the Sierra Nevada Brewery complex. The design/build team, facing a tight schedule and the need to provide a high-quality structure with long-term performance benefits, turned to precast concrete components to create the structural shell and façade for the compound's large warehouse. The owners were so impressed with the benefits that they used it for most of the remaining buildings in the complex as well. The overall project contains eight structures, six of which feature a total precast solution, plus two precast bridges on the complex's approach roadway. The team produced value-engineered designs for the brew house, recycle building, waste-water treatment facility, administration building, pub/restaurant and trucker's office. Despite record rainfall and a harsh winter, the project was completed ahead of schedule, saving both time and money. The precast concrete designs also helped the projects achieve their desired status of LEED Platinum-Certified buildings. Its features include alternative transportation options via bike parking and charging stations, stormwater management, reduction of heat islands and light pollution, water efficiency and solar power use. The precast concrete components aided in several areas, including optimized energy performance, construction-waste management, use of recycled materials and use of regional materials.

Emerging Professional Lab

Practice Innovation Lab

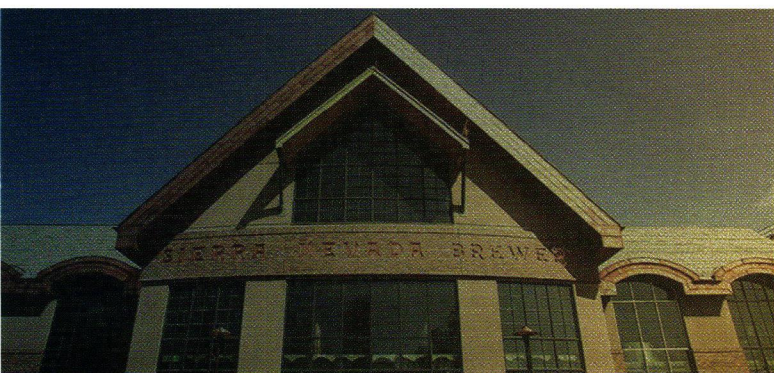
Ben Ward, AIA, Curtis Group Architects

Tuesday, April 16

8-11:30 a.m.

The Practice Innovation Lab (PIL) will challenge participants to develop creative practice models that incorporate community by design as a core component of the business model. After an inspiring opening speaker, participants will break out into groups to develop their models, which will then be presented back to the whole workshop.

The PIL focuses on the practice of architecture, specifically exploring creative ways the profession can engage in community by design. Through the workshop, participants will push the limits of standard practice and develop creative ways to leverage their firms into being more engaged in the community. The hope is that the groups will look beyond the typical pro bono work some firms engage in presently, and explore ways that community by design can become an ingrained function of practice.



Charrette Imagining Change

The core of *ASPIRE* revolves around the “New Urban Agenda” which represents a shared vision between numerous international stakeholder organizations to provide sustainable, affordable housing and better communities for all. Our goal is to harvest the creative talents of architects, students and community partners to work in unison to address relevant community challenges — and that

is where you come in. We are inviting you to explore innovative solutions to real problems affecting our cities. Topics may range from affordable housing and homelessness to urban planning and public transportation. Bring your passion, your creativity and a sharpened pencil to help us demonstrate the power of collaboration and smart design.



HARRISCOST, LLC

HARRISCOST, LLC was established in 2014. Having worked in this industry for over 38 years, Roger "Rocky" Harris recognized the need to offer quality construction consultant services to architects and owners. **HARRISCOST, LLC** has an experienced staff consisting of construction engineering graduates and MII certified estimators. We provide C/S/A and M/E/P estimates. Our staff has the knowledge, experience, software and equipment to provide the owner with probable-cost construction estimates at any phase or for any type of building program or project.

SAMPLE PROJECT LIST

- UNC-Greensboro Student Recreation Center
- UVA-Chiller Plant
- NCSU Gregg Museum
- Grandfather Mountain Restroom Facility
- Union County Human Services Building
- Davie County High School
- SC National Guard Facility Maintenance Building/Readiness Center
- Bergen Mercy Hospital

864.307.0021

HarrisCost, LLC

P.O. Box 14979

Surfside Beach, SC 29587

Rocky: 864-616-7876 (cell)

Kaye: 864-940-2590 (cell)

Rocky@Harriscost.com

www.harriscost.com



www.aianc.org



30

YEARS GUARANTEED

0

DAYS STAINING OR SEALING

#1

IN PREMIUM DECKING

To find out more information, please contact:
JASON SPARGER | Jason.Sparger@azekco.com | 336-466-3301

AZEK
Building Products

AZEK.com
TimberTech.com

There's more than one reason why people who know choose AZEK Building Products. Incredible styles, gorgeous colors, low-maintenance and industry-leading warranties for guaranteed durability. Ask for AZEK® or TimberTech®.

#1 in PREMIUM DECKING #1 in PERFORMANCE TRIM

Reach architects all year long in the publication they know and trust!

WHY
AIA North Carolina?

- ◆ Our members represent **80 percent** of the architects in the state of North Carolina.
- ◆ Both the directory and the magazine are available in **print and digital formats.**

844.423.7272

advertise@innovativepublishing.com

www.innovativepublishing.com



I LOVE MY *engineer*

Can you actually love your engineer?
At Timmons Group, we know you can.
Visit www.timmons.com to learn what
it really means to love your civil engineer.



Civil Engineering | Landscape Architecture | Surveying

What Is Great Design?

Is it the chair or the movable shelving? Maybe you don't equate "great design" with your clients' storage needs. For us, it's a subject that's always been in vogue. So, let us help you plan their storage. We will save you time and money, leaving you with more of both for the more glamorous parts of your project. Visit PattersonPope.com



WOW Factor

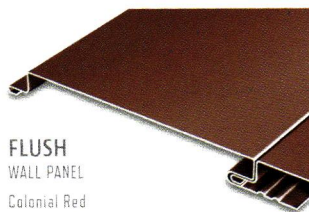
AIISD Performing Arts Center, Austin, TX Owner: Austin Independent School District Architect: Pfluger Architects
General contractor: American Constructors Installing contractor: Texas Roofing Co. Photographer: Tom Coplen
Profiles: Flush Panels - M-42 Panel Colors: Burgundy, Colonial Red, Terra Cotta, Galvalume

"We thought the metal would give us the 'wow' factor from a distance. We first considered using just a single color but the consensus was that we needed something that stood out even more. That's why we went with the nice three-color combination."

-Jessica Molter, AIA, LEED AP BD+C, Principal, Pfluger Architects



FLUSH
WALL PANEL
Burgundy



FLUSH
WALL PANEL
Colonial Red



FLUSH
WALL PANEL
Terra Cotta



Case study at PAC-CLAD.COM/AISD

PAC-CLAD.COM | INFO@PAC-CLAD.COM

IL: 800 PAC CLAD MD: 800 344 1400 TX: 800 441 8661
GA: 800 272 4482 MN: 877 571 2025 AZ: 833 750 1935



FORM + FUNCTION.

NORDSTROM

The Dri-Design Metal Wall panels on the Nordstrom Toronto Eaton Centre feature the Inspire Finish in a Shadow Series panel with varying levels of gloss. This variation gives the individual cassettes distinguishing pattern when viewed both near and far. Utilizing a custom Dri-Design detail, Custom LED light bars were also incorporated into the façade. The detail allows the light bars to be hidden within the horizontal joints.



616.355.2970 | dri-design.com

- No sealants, gaskets or butyl tape means no streaking and no maintenance for owners.
- Not laminated or a composite material, so panels will never delaminate.
- At Dri-Design, we have a strict policy of recycling and creating products that the world can live with.
- Fully tested to exceed ASTM standards and the latest AAMA 508-07.
- Available in a variety of materials and colors.
- Non-combustible and NFPA-285 compliant. UL Listed.

Nordstrom Toronto Eaton Centre | Design Architect: Callison/RTKL
Architect of Record: Queen's Quay Architects

AIA North Carolina
14 East Peace Street
Raleigh, NC 27604

****SCH 5-DIGIT 27515 FSSD
360 P-1 P11 23 18
W. SAVAGE
750 WEAVER DAIRY RD APT 104
CHAPEL HILL NC 27514-1439

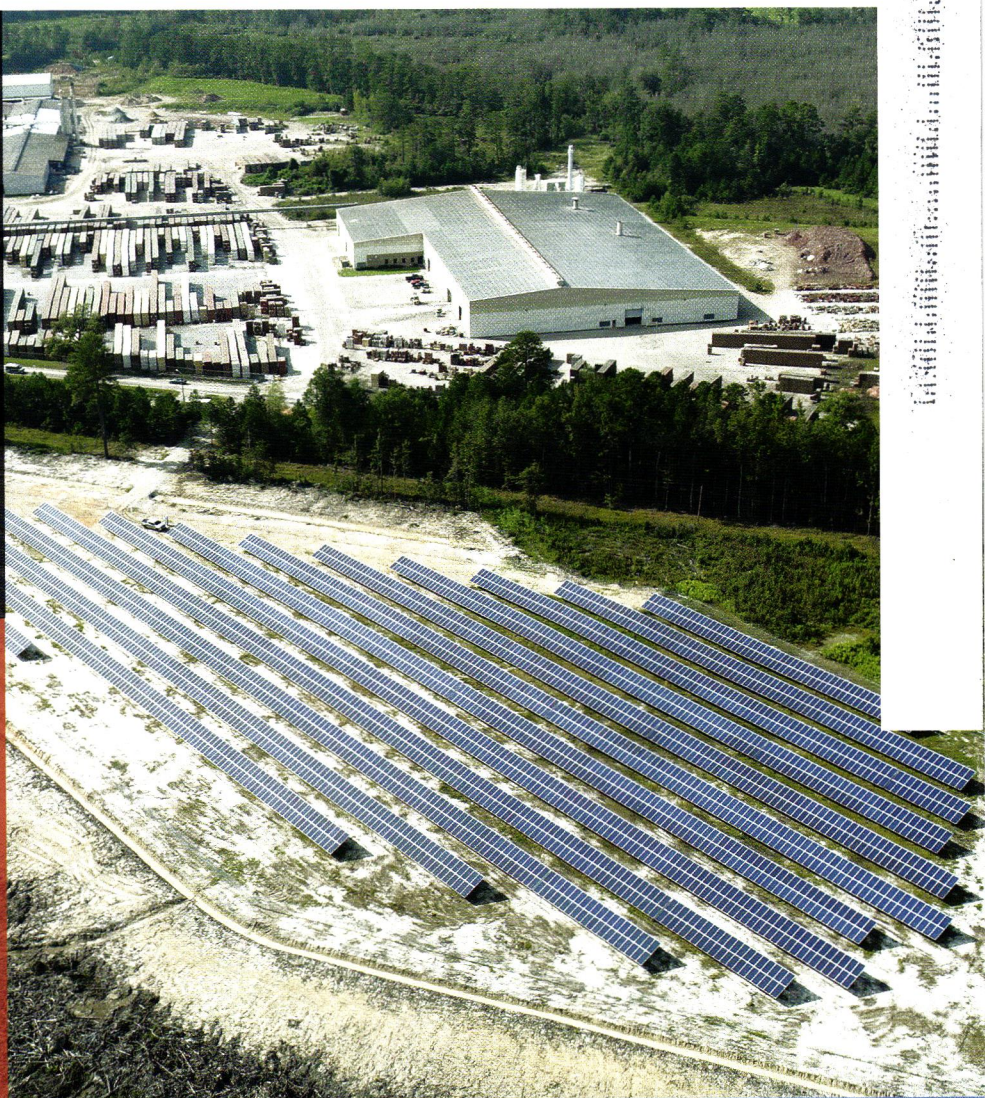
PSRST STD
U.S. POSTAGE
Permit NO. 30
Montezuma, IA



Where "State of the Art" manufacturing combines with sustainability and conservation.

Palmetto Brick continues to lead today's sustainability and conservation effort with the only solar powered brick plant in the nation.

**PALMETTO
BRICK**
Since 1919



With the latest technology and one of the nation's newest facilities, Palmetto Brick offers a plethora of colors, sizes and textures that are essential for modern designs. Our rich, vibrant hues and through-the-body color palette provide architects unlimited design flexibility.

www.palmettobrick.com
1-800-922-4423

