AIA Delaware

DELAWARE ARCHITECT
October, 2022

News

AIA Delaware Board of Directors

Call for ExCom Nominations for 2023-24 Term

All AIA Delaware members are invited to submit nominations for AIA Delaware Board of Directors positions of President-Elect, Vice President, Secretary and Treasurer.

The Board of Directors focuses on our mission as it executes its primary duties of working on strategy, setting goals and objectives, overseeing programs and activities, and actively managing risks of our organization. To ensure a strong, vibrant organization relevant to the architecture profession and to promote the role of architects in Delaware, a diverse board should lead the organization.

As part of the nomination process, Board diversity will be evaluated and the following criteria taken into consideration:

1. Membership type (e.g., AIA and Assoc. AIA, as applicable).
2. Practice type (e.g., traditional architecture practitioners, non-traditional practice roles, and educators).
3. Company size (e.g., solo practice, small, medium and large companies).
4. Geographic location, ethnicity and gender.

Board service is a minimum 2-year term with the expectation of continued and further involvement in the support of AIA Delaware and its members. Learn More about Becoming an AIA Delaware Board Member.

To be considered for AIA Delaware Board
Submit your brief expression of interest in serving on the AIA Delaware Board of Architects and resume to current Board President, Scott Edmonston, AIA (scott@seagreenstudio.com) and Executive Director, Nancy Payne, (director@aiadelaware.org) or self-nominate by November 30, 2022.

Self Nominate Here

Save-the-Date - AIA Delaware Annual Meeting (Election)

Monday, December 19th at 12:00-noon | Virtual

AIA Delaware will hold its annual meeting with the Board of Directors and the general membership **virtually on Monday, Dec. 19th starting at 12:00-noon** for the purpose of holding an election for certain positions on its Board of Directors. A slate of candidates and information on how to join the meeting will be provided in early December.

AIA 2030 Commitment, new report *By the Numbers*

Learn more about the progress firms made in RY2021 toward the goal of carbon neutral buildings by 2030.

Buildings are responsible for nearly 40% of greenhouse gas emissions globally. And we're running out of time to mitigate this. To dramatically reduce emissions from the built environment, the AIA 2030 Commitment program empowers firms to track and measure progress toward net zero carbon with transparency and accountability.

Temperatures are already up 1.2°C from before the

Industrial Revolution, and the world is currently on track to hit a 3.0°C increase, which is well above the 1.5°C threshold that the 2015 Paris Climate Agreement established. Giving ourselves an A for effort is not going to keep climate change in check; transformative climate action is critical. In 2021, for the second year in a row, signatories of the AIA 2030 Commitment reported their predicted energy use intensity data with an 80% reduction target. The program's target will go up to 90% in 2025 and to 100% full carbon neutrality, in 2030.

Since 2009, signatories of the 2030 Commitment have reported the predicted energy performance of all projects in their portfolio each year. The data, input via the Design Data Exchange (DDx), includes a project's baseline, its target, and its progress toward the target. Beyond these core metrics to track operational energy, the program expanded in 2020 to optionally track energy by fuel source, renewable energy, post-occupancy energy use, and embodied carbon.

Doubling its signatories these past five years and now representing **over 56,000 AEC professionals**, the AIA 2030 Commitment continues to be a part of leading the built environment profession in addressing the climate crisis. Reflecting **20,652 projects** from **417 firms**, this By the Numbers report for the 2021 reporting year measures how far we've come as a profession and also shows how far we have to go.

Explore the 2030 *By the Numbers* report (RY2021)

IMAGE: THE KENDEDA BUILDING FOR INNOVATIVE SUSTAINABLE DESIGN IS A 2021 COTE TOP TEN WINNER, AND FIRMS LORD AECK SARGENT (COLLABORATING AND PRIME ARCHITECT) AND THE MILLER HULL PARTNERSHIP, LLP (DESIGN ARCHITECT) ARE BOTH 2030 COMMITMENT SIGNATORIES. PHOTO: JONATHAN HILLYER

NIBS Launches U.S. National BIM Program to Transform Construction Industry

The National Institute of Building Sciences (NIBS) has developed an implementation and launch plan for the U.S. National Building Information Management (BIM) Program. The aim: To achieve a new level of industrial efficiency through digitalization.

An overview of the launch plan recently was presented to industry leaders at an executive roundtable to accelerate ongoing efforts from innovative and forward-thinking organizations.

A critical issue in the U.S. construction industry is its low level of digitalization, which prevents it from transforming lifecycle work processes to be more efficient, less expensive, more resilient, and safer to build and maintain. The U.S. National BIM Program expands upon existing and ongoing work of the NIBS BIM Council as well as various other initiatives in the industry.

"Many national and international initiatives focus on BIM standardization to support digital transformation throughout the entire life cycle of designing, constructing, and operating the built environment," says Stephen T. Ayers, FAIA, Interim CEO of NIBS. "The U.S. National BIM Program will be successful through collaboration between the public and private sectors and across the diversity of project stakeholders, namely owners, designers, constructors, suppliers, vendors, and other involved parties."
To aid in the implementation and launch of the U.S. National BIM Program, AEC subject matter expert Johnny Fortune joined NIBS in June. Fortune serves as Director of the National BIM Program. Fortune said next steps include securing resources and establishing workgroups to operationalize different aspects of the plan.

U.S. National BIM Program Background
NIBS began the planning process for the U.S. National BIM Program last year, meeting and working with industry leaders. Since then, many volunteers and NIBS staff members have worked to develop the implementation plan, which includes key activities and an estimated budget for the first five years.

The construction industry employs more than seven million people to create or renovate nearly $1.4 trillion in buildings, infrastructure, and other built assets each year. But the industry has yet to enjoy the productivity improvements of the digital age, averaging only 1% productivity growth in the past 20 years.

For more information, visit the NIBS Building Information Management Council.

Advocacy

Architects boost three cities as part of this year's Mayors Innovative Design Cohort, By Katherine Flynn

The Frosty Morn meat packing factory in Clarksville, Tenn.—all 52,600 square feet of it—has sat vacant since 1977. "Nobody's ever spent any money to keep the roof up," says John Hilborn, City Project Manager at the City of Clarksville. "When it rains, it rains as much inside the building as it does outside."

In its heyday, the Frosty Morn plant was a major employer in northern Tennessee. City officials think that, with the right renovations, the building has the potential to return to its former role as an anchor of the community—this time housing local businesses.

"The way that Clarksville is growing, that area has not evolved with the areas around it," says Pam Powell, AIA, of the vicinity surrounding Frosty Morn. "It's in an under-developed neighborhood, really. I think it's a perfect location for being a catalyst for change for the people that live there."

The building's iconic smokestack—torn down in 2020 amid safety concerns—has a chance at rising again thanks to the 2022 Mayors Innovative Design Cohort, a partnership between the Mayors Innovation Project and The American Institute of Architects' Blueprint for Better campaign that will revitalize Frosty Morn and two other underused sites around the country. Blueprint for Better targets mayors and civic leaders to work with architects to transform their towns into sustainable, resilient, equitable communities.

This year's three winning sites received technical assistance from project architects, peer learning opportunities, and a stipend to help cover the costs of staff time, project management, and community engagement.

Continue reading >

The Future of High-Performance Buildings

How new efficiency standards will help architects and civic leaders reduce emissions and improve communities.

In January, the White House launched the National Building Performance Standards Coalition, a groundbreaking initiative to increase energy efficiency in existing buildings and improve communities.

"New federal actions today, in tandem with close state and local coordination, will accelerate progress towards reducing buildings emissions at all levels of government," read a White House statement announcing the initiative. "When building performance standards are designed in partnership with frontline communities and key stakeholders, innovative and equitable solutions can address multiple needs in a community."

The coalition represents an important move forward for sustainable design, one that will help architects and civic leaders hasten the fight against climate change and enhance communities with new jobs and resources. For years, the success of sustainable design was measured by efficiency: Reducing energy consumption through insulation and high-efficiency windows, for example. The new performance standards, however, are flexible and allow communities to set appropriate, targeted requirements for a broad range of criteria, including energy use, water use, and emissions, as well as to align with programs that promote equity and health in underserved communities.

The coalition will make energy- and carbon-efficient design more common. And because the standards are aimed at existing buildings, they'll enable communities to achieve targets in stages, reducing embodied carbon that is released during new builds while also helping the United States achieve its goal of cutting national emissions in half by 2030.

"Our understanding of sustainable design has evolved tremendously over the past decade," says Lori Ferriss, AIA, the director of sustainability and climate action at Goody Clancy in Boston. "We now consider embodied-emissions mitigation, social-equity impacts of green design, and how buildings adapt to climate change. These new standards support coordination and growth among state and local governments to improve policy. Going forward, it's the work of the architect to implement these requirements in a way that creates equitable, beautiful, resilient spaces."

Continue reading >

Programs and Events

'SAY IT LOUD' exhibit is at The Octagon in Washington, DC

The Architects Foundation has launched its latest exhibit at The Octagon in Washington, D.C. SAY IT LOUD, curated by Pascale Sablan, FAIA, will be on view through December 2022.

SAY IT LOUD is an exhibit featuring projects by women and diverse design professionals, as well as interviews about their experiences in the architecture and design professions. This exhibit shares, protects and celebrates the journey of the underrepresented to inspire the next generation. SAY IT LOUD at The Octagon in Washington will include a special component featuring Black architects from The American Institute of Architects' College of Fellows.

Pascale Sablan, FAIA, is also the 2021 AIA Whitney Young Award recipient. SAY IT LOUD is sponsored by the National Organization of Minority Architects (NOMA), the AIA College of Fellows, and the Architects Foundation.

Sablan has not only captured our audience, but the attention of Oprah Winfrey, and was featured in Oprah's FUTURERISING: Meet the Black trailblazers moving our world forward initiative.

The Octagon is open Thursday-Saturday from 11am-4pm. Museum admission is $10 for adults, $5 for children and teens under 18, and free for children under five. The Octagon is the oldest private residence in Washington and hosts programs demonstrating the cultural and societal impact of architects and architecture, and the architect's potential to create a just and equitable society.

Free guided tours will be offered at 11am and 3pm (roughly 45 minutes) and are included with museum admission. Self-guided tour information is available on-site.

Mid-Rise Design & Detailing: Optimizing Size, Maximizing Value
from AIA Delaware Allied Member, WoodWorks

As cities seek increased density to address urban population growth, many building designers and developers are looking to mid-rise wood construction as a cost-effective, code-compliant and sustainable solution.

This presentation will cover some of the design considerations associated with mid-rise wood-frame buildings, including how to maximize height and area through the use of sprinklers, open frontage, sloping sites, podiums and mezzanines. We'll also discuss common issues and areas of misunderstanding related to exterior walls and their intersection with rated floor assemblies as it pertains to fire resistant detailing.

DATE / TIME
November 16th | 12:30 pm – 2:30 pm EDT

WHERE
In Person and Online

Note: If you are joining us in person lunch will be served at 12:00 pm at the Westin Richmond, VA.

COST / CE
$20 | Attendees can earn 2.0 AIA/CES HSW LUs, 2.0 PDH credits or 0.2 ICC credits.

Reserve Your Spot

DESIGNING A WOOD BUILDING? ASK US ANYTHING.

Meet John O'Donald, your WoodWorks Regional Director who can provide you with free technical support, education and resources related to the code-compliant design of commercial and multi-family wood buildings in DC, DE, MD, VA & WV.

John O'Donald II, PE
WoodWorks | Wood Products Council
john.odonald@woodworks.org
(814) 880-5636

Structural Technology for Practicing and Intern Architects

Sponsored by Virginia Tech's College of Architecture, Arts and Design

About This Course
This course provides an overview of the fundamentals of the structural technology topics that every architect should be aware of. It also helps intern architects prepare for the structural portions of the Architect Registration Examination (ARE 5.0) offered by the National Council of Architectural Registration Boards (NCARB).

- **Part One** (General Structures) reviews the necessary knowledge on structural theory and behavior of different building components in steel, concrete, and wood.
- **Part Two** (Lateral Forces) emphasizes the effects of lateral forces on buildings and structural framing layout.

Who Should Attend
Practicing Architects: Course provides a solid review of architectural structures to help them with more

feasible designs and better communicate with the engineering team.

Intern Architects: This course prepares participants for successful completion of the structural sections of the Project Planning and Design (PPD) and Project Development and Documentation (PDD) divisions of the ARE.

Benefits

- A copy of STRUCTURAL SYSTEMS Second Edition book.
- Up to 32 LU hours approved by the AIA for Parts One and Two.
- A complete overview of the topics on the Architect Registration Examination
- A complete set of information on the theoretical and practical aspects of building structures.
- Detailed information on the effects of wind and earthquakes.
- Terms used by structural engineers.

Date (minimum number of participants needed to offer the course)
PART ONE: December 10 and 11, 2022
PART TWO: December 17 and 18, 2022

Cost
PART ONE: $350 (before November 25: $300)
PART TWO: $190 (before November 25: $165)
PARTS ONE + TWO: $500 (before November 25: $450)

For more information and to register.

Career

Local Opportunities

- Architectural Intern & Designer
- Architect
- Project Manager
- Engineer
- See them on our Job Board...

AIA Career Center Account Benefits for Job Seekers

- Post Your Resume
- Apply for Jobs
- Get Job Alerts
- Get Started!

Join AIA

NOW is the best time to join.

Our best offer of the year!
AIA is the largest, most influential network of architecture professionals—a community of 94,000+ members who share your passion for design and your desire to change the world.

Membership connects you around key practice areas so you can share knowledge, partner on solutions, and learn from experts and creative thinkers.

It connects you to your local architecture community through your chapter, which hosts virtual events, conferences, awards programs, and volunteer opportunities.

And it comes with unparalleled support AIA offers for your career, your practice, and the architecture profession, plus free AIAU courses and free practice guides and reports to help you design for equity and climate action.

It's this kind of support and community that matters. Join AIA, and let's design a better world, together.

Special offer
Join AIA for 2023 and get the rest of 2022 for free.

How Small Firms Leverage the AIA 2030 Commitment

By Kira Gould, Hon. AIA

Committee on the Environment
AIA Knowledge Community

The AIA 2030 Commitment has been growing steadily since its launch more than a decade ago, as a tool for architects, firms, and the profession to measure and improve its climate action effectiveness. Today, 1,100 signatory firms represent 54,000 architects, more than half of the AIA's 94,000 members. The AIA is comprised of 69,000 firms—the majority being small firms and sole practitioners—who are underrepresented among signatories.

Unfortunately, a perception persists that the program is better suited to large firms (especially those large enough to have dedicated sustainability teams to handle reporting). Let's bust that myth right now. The potential benefits to small firms of signing and reporting are vast. Engaging with the 2030 Commitment is a way that firms -- of all sizes -- can help further innovation in building performance and climate-responsive design at all scales.

Jane Frederick, FAIA, spoke about this during her AIA presidency (2020); Frederick runs Frederick + Frederick Architects, in Beaufort, South Carolina, and she says: "Participating in the 2030 Commitment has brought a new focus on sustainability that we didn't have before we started reporting. Here's one example: We begin each project thinking about how we can meet the goals with a combination of passive strategies and on-site electrical generation. Most of our clients have not considered photovoltaics and a battery backup system but once we present it to them with the payback business case, they get on board quickly, especially when they were previously considering a back-up generator."

Small firm practitioner Nathan Kipnis, FAIA, also sees value; he runs Kipnis Architecture + Planning (in Evanston, Illinois, and Boulder, Colorado). Kipnis notes that, over time, "this moves the firm's work in a positive direction towards the reduction target, increasing the performance of projects and making the firm more marketable in today's world. **We make time for the 2030 Commitment by having it at the forefront of what we are doing.** People often ask how I got a sustainable component so well integrated into our design. That is because it was very likely the key overall concept for our project, not an afterthought."

There is a belief that uploading data can be very time consuming. But many firms suggest that the investment pays off quickly. David Arkin, AIA, of Arkin Tilt, concurs: "At our firm we keep a spreadsheet with the basic DDx [Design Data Exchange] reporting items, and have each project manager keep it up to date. One person is then responsible for collecting all the data, reviewing it with a Principal, and uploading. The whole process is surprisingly easy and doesn't take much time. I'd estimate a few hours per project, on average."

Here are some resources for more about how small firms can engage with the 2030 Commitment and also with the Framework for Design Excellence (and the related Toolkit)

- Article: Small Firms and the 2030 Commitment
- Article: Creating a Sustainability Action Plan that Works!
- Article: Why we made the AIA 2030 Commitment
- Article: Seven ways small firms can help change the world
- Article: Michael Lassel on the F4DE Toolkit, and how his small firm uses it
- Video: Megan Feenstra Wall on using the Framework for Design Excellence in Small Firms
- AIAU course: Making the 2030 Commitment Work for Your Small Firm | AIAU
- AIAU course: Energy Modeling for All: 2030 Commitment for Small Firms | AIAU
- AIAU course: AIA 2030 Signatories: Secrets to success for smaller firms | AIAU

Let us know about your pain points by emailing us at cote@aia.org. Perhaps we can leverage the COTE Network in ways that can support you.

Guides for Equitable Practice - Updated
Best practices, relevant research, and other tools to help firms

Chapter 2 – Workplace Culture
This guide describes components of a strong, healthy workplace culture, details the field's dominant patterns, and outlines the concept of architecture's cultural iceberg—made up of objective culture (above the surface) and subjective culture (usually below the surface).

You'll learn how workplace culture affects individuals, firms, and the profession—from retention to strategic planning and perception of the field. This guide also contains the legal aspects of harassment, including individuals' responsibilities, questions to assess organizations' workplace culture, and ways to improve your own organizations' workplace culture.

New additions to Chapter 2

- Additional guidance on how firms might respond to the heightened drive for social change, including specifically the alignment (or misalignment) between public statements and actual workplace culture.
- Description of how firms both shape culture and are shaped by it.

Download the Guides for Equitable Practice
Introduction executive summary
Introduction
Chapter 1: Intercultural Competence
Chapter 2: Workplace Culture

Series on Contracting with Consultants, Part 5

By the AIA Risk Management Program

Architecturally focused firms may directly contract with, or otherwise be required to coordinate with, a complete team comprising those other disciplines necessary for the project. The sum of fees associated with these "other" services can be as much as, or sometimes exceed those for, basic architectural services. Hence, smart architects pay close attention to the selection, retention, and management of these services. These articles by the AIA Risk Management Committee will provide initial guidance on the most essential topics for the architect's consideration.

Contracting with Consultants: Part 5, Insurance
Insurance often confounds design professionals, but besides the consultants' portfolio of project experience, it may be the most important consideration when selecting consultants. Because the architect is retaining the consultant, the architect is vicariously liable for the consultant's performance to the owner. Put simply, if the consultant performs negligently, the architect is responsible to the owner. In that circumstance, it is vitally important that the consultant have adequate insurance to cover the architect's liability to the owner.

The architect may have a contractual obligation to ensure that its consultants maintain coverage required under the prime agreement, but the architect also should consider what types and limits of coverage should be required of the consultant in addition to or beyond the requirements under the prime agreement.

Continue reading >

The AIA Risk Management Program creates educational materials for individuals who are unable to devote the resources to a full-fledged risk management team or in-house legal counsel department.

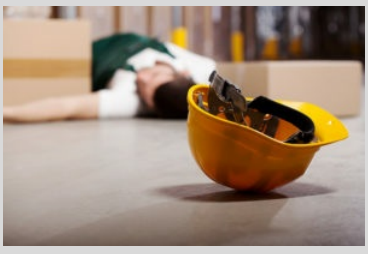
AIA Trust

AD&D / High Limit Accident Insurance

AIA Trust

Accidents are one of the leading causes of death in the U.S., according to the CDC and the 2019 Study by NCHS. You may not be able to prevent an accident from happening to you, but you can help prepare your family for what comes next.

In the event that you experience a covered accident, AD&D coverage (also known as High Limit Accident Insurance), can



Take the next step
Learn more from our provider

help safeguard your family's financial future. Underwritten by New York Life Insurance Company, AD&D coverage through AIA Trust can help to:

- Cover your family's day-to-day living expenses
- Fund your children's education
- Pay your family's medical bills
- Ensure that you provide for them as they rebuild their lives

Select one of three benefit options: $50,000, $100,000, or $150,000 coverage based on your needs and budget.

Questions?
(877) 801 3727

Additional Resources

Bodily Injury Claims: More Shock than Severity

An Accident-Free Workplace

Forms

Emerging Professionals

NCARB AXP Update: FREE Practice Exams Now Available for All Candidates

Six free Architect Registration Examination® (ARE®) practice exams—one for each division—are now available to all licensure candidates! While this resource was previously only available to those with active exam eligibilities, you can now access these practice exams at any time to help prepare for your next steps on the path to licensure.

To access the free practice exams if you don't have active exam eligibilities, simply log in to your NCARB Record, navigate to the Overview tab, and select "Practice the ARE®." If you have active exam eligibilities, you can continue to access the practice exams through the "Exams" tab of your NCARB Record.

Take the Practice Exams

You can take the practice exams in two modes:

- Test mode mimics the experience you'll have during a real exam appointment and provides a score report afterward.
- Practice mode provides the correct answer and rationale behind each item as you go.

The full-length, fully scored practice exams were written and developed the same way that our real exams are developed: volunteer architects collaborate to develop questions (also called "items") that test on the objectives outlined in the ARE 5.0 Guidelines.

If you have questions or experience issues accessing the practice exams, please reach out to our Customer Relations team.

News from our Members

Becker Morgan Group Recognized as Best Architecture Firm Across Delmarva

Becker Morgan Group is proud to have been recognized by the readers of Coastal Style Magazine as the Best Architectural Firm in Worcester and Wicomico counties in Maryland and Sussex County in Delaware.

Becker Morgan Group has been bringing creative design solutions to clients since 1983 and is honored to be known as a responsive and client-centered firm providing optimal design solutions. The firm is organized into practice areas with dedicated staff, ensuring clients receive specialized design attention for their specific project type.

Becker Morgan Group Staff Earn Licensures

Becker Morgan Group is proud of staff members Tyler Giffear, P.E., and Molly Marino, AIA, for earning their professional engineering and architecture licenses. Tyler and Molly have met the requirements set out by the National Council of Examiners for Engineering and Surveying and the National Council of Architectural Registration Boards, including education, experience, and rigorous professional exams.

Tyler Giffear, P.E., graduated from the University of Delaware, earning his Bachelor of Civil Engineering. He joined the firm as a Civil Designer in 2018 and has been an integral member of the firm's civil engineering department in the Newark, DE office.

Molly Marino, AIA, joined the firm as an architectural designer in the firm's Wilmington, NC office in 2021. Molly has been a valuable member of the firm and has supported various project types giving her a diverse and rich skill set.

Becker Morgan Group is proud of these individuals for taking the next step in their professional careers and expanding the firm's licensed staff. These individuals allow the firm to better serve clients and the community.

Becker Morgan Group Expands Hospitality Expertise

Becker Morgan Group Associate, David Botscheller, AIA, completed the Cornell University Hotel Planning and Design Course, further expanding his expertise in the hospitality practice area. Since joining the firm in 2014, Dave's passion for travel has fueled his interest in hotel design. The course focused on the guest experience and maximizing the ROI for investors.

Jack Mumford III, AIA, Principal, and Hospitality Practice Area Leader comments on the accomplishment, "We are very proud of Dave for continuing to expand his expertise. We pride ourselves on bringing specialized staff to each project, and continuing education plays a big role in keeping Becker Morgan Group at the leading edge of the design profession."

Established in 1983, Becker Morgan Group is a leader in architecture, engineering, surveying, land planning, and interior design in the Mid-Atlantic and Southeast regions of the United States.

Wilmington's Former Water Witch Steam Fire Engine Company No. 5 Restoration / Adaptive Reuse to a New Single-Family Residence

Architects
Breckstone Architecture, Wilmington, DE
Kellenyi, Johnson, Wagner Architects, Red Bank, NJ

BRECKSTONE ARCHITECTURE

Contractor
Edge Construction Corporation, Wilmington, DE

The Water Witch Steam Fire Engine Company No. 5 was constructed in 1893 and served Wilmington's Forty Acres community for over 100 years from its 1814 Gilpin Avenue location. Originally designed by local architect Edward L. Rice, Jr., the firehouse was awarded designation on the National Register of Historic Places in 2011.

The station began as a volunteer fire company and they were at the forefront of firefighting technology and practice at the time. They were the first company to employ a steam-powered pump engine and one of the first to use horse-power. By 1911 the company completely replaced their horse-drawn equipment with automotive fire engines.

In 2014, Fire Engine Company No. 5 relocated to a new facility on North DuPont Street, less than two blocks away from its original red brick Gilpin Avenue station. The former Gilpin Avenue fire station remained vacant until it was purchased in September 2021. The new owner's goal was to preserve the historic nature of the property and convert the structure into a single-family residence.

Breckstone Architecture, in partnership with Kellenyi, Johnson, Wagner Architects, added key architectural design elements. Two sets of large custom carriage doors replaced the existing overhead doors to highlight the original firehouse bays on the front façade. Reconstruction of the original bell tower, which was structurally damaged during Hurricane Hazel in 1954, honors an era before automated sirens. The original signage on the front façade has been restored or historically replicated and includes the year "1893" on the belltower, the number "5" located under the gable roof and the initials W.W.S.F.E.Co. The interior design preserved and restored key elements to showcase many original details including the brass fire pole, the wood staircase and millwork.
Edge Construction, the general contractor, performed the preservation and restoration work for the project. This 3-story landmark was completed in September 2022.

Breckstone Architecture is committed to providing Architectural, Engineering, Interior Design and Project Management services using the knowledge and talents of our professional team through partnerships with our clients and consultants to develop comprehensive solutions. Breckstone Architecture extends their services far beyond the traditional architecture and engineering services. Download ar

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Spiezle Welcomes Education Veteran Jeff Livingston as Director of Campus Architecture

Spiezle Architectural Group, Inc., an employee-owned, award-winning, full-service architectural, interior design, landscape architecture, and planning firm, proudly announces that Jeff B. Livingston, RA, NCARB has joined the firm as Director of Campus Architecture. A significant focus of Spiezle's portfolio encompasses educational and life-science facilities. The addition of Livingston, who formerly served as Campus Architect/Director of Design at Rutgers University and most recently at New Jersey City University, will bolster the firm's planning and design team while enhancing the thought leadership that Spiezle provides their clientele.

"I know I can speak for the entire firm that we are excited to have Jeff join the Spiezle team," said Thomas Perrino, President and CEO at Spiezle. "Jeff has a tremendous reputation and vast experience, having served in strategic positions in-house for several higher education institutions. His experience is a strategic addition to our education and life-science market sectors and will bring an owner's perspective to our projects."

Livingston's architectural background spans over 30 years in higher education, pharmaceutical/biotech, R&D, and manufacturing. He's expertise includes master planning, architectural programming and design, construction administration, space management, and long-range operational and capital planning. He recently was a team member in the development of Rutgers University's 2030 Master Plan, which included academic and research strengths, transportation logistics, and facilities condition assessments. It also looked at the

realignment of graduate and undergraduate residence halls, capital project planning for new facilities and programable landscape areas, all mandating sustainability using LEED silver as a minimum goal. He is a registered architect and a member of the National Council of Architectural Registration Boards (NCARB). He received his Bachelor of Architecture from Pratt Institute. He also attended the Royal Danish Academy of Art in Copenhagen, Denmark.

"Joining Spiezle, a strong education architecture firm, who I had the pleasure to work with when I was at Rutgers on numerous occasions, is an exciting next step for me," said Livingston. "I've been involved with higher education and the life sciences for a good portion of my career. The firm has a great reputation and impressive design philosophy and portfolio. This is an exciting opportunity, and I'm certain we'll continue to push innovative campus designs forward for all our clients."

Livingston's previous work on the Indiana State University Power Plant won awards from the Midwest Construction project of the year, Industrial; Midwest Construction Top Indiana Projects; and the BKD Build Indiana Award. In his time off, Jeff is an avid builder of harpsichords and clavichords.

Spiezle Architectural Group is an award-winning, full-service architectural and planning firm. Founded in 1954, the firm is known for innovative design, financially responsible solutions, and personalized service. Spiezle serves academic, senior living, acute healthcare, corporate/commercial, government, hospitality, landscape architecture, electrical engineering, urban planning, multi-family, enhanced construction administration, recreational and religious clients. Spiezle is listed in the Top 100 Green Design Firms by Engineering News-Record and the Top 300 U.S. Architecture Firms by Architectural Record. Learn more at www.spiezle.com.

Partner News

Goober's Diner and Garage

Goober's Diner and Garage opened in late 2020 off North Lincoln Street in the City of Wilmington, DE as a space to gather and enjoy two American classics- vintage cars and comfort food. The two-story, stainless-steel restaurant serves traditional diner cuisine including all day breakfast. The high-tech garage houses part of one of the owners, Vance Kershner's, personal car collection and is open on special occasions for viewing. Even the name Goober evokes nostalgic charm, as it comes from the character, Goober Pyle, on the old TV sitcom "The Andy Griffith Show". The original three parcels were combined into a single parcel during the project to house both the garage and diner buildings and the associated parking. These spaces complement each other perfectly and bring a cool, retro aesthetic and a deeper appreciation for the classics to the City of Wilmington.

Apex is so grateful to help bring a fun project like Goober's to life. Our team was honored to provide a topographic survey of the original 3 tax parcels, site design, grading, erosion controls and layout and provide guidance through the City of Wilmington's review process for this site. Stop in, enjoy some cars and delicious food and tell them Apex sent you!

At Apex Engineering Incorporated we listen to your needs, your concerns and design proactive solutions that will serve the client and the community. Civil Engineering is a science and an art. Our design approach is simple. We maintain good working relationships and open communications with our clients and with City, State, County, and other regulatory officials while offering expedient, practical, cost-effective solutions to design issues. Call us at (302) 994-1900 or visit us online at ApexEngineeringInc.co

View full release

New from StuXure, Cabana X

Earlier this year, the AZEK Company acquired StruXure to expand our footprint in the Outdoor Living sector with a Pergola system unlike most others. StruXure, if you are not aware, manufactures pergola systems with motorized louvers.

The Story of StruXure starts in a classroom, truly, a middle-school classroom where Scott Selzer, StruXure's founder and product designer was a teacher with a summer-break remodeling business, specializing in decks and pergolas. A customer requested a pergola that could provide shade abut also permit sunlight when desired. When he tried to find something to fulfil the need, he found product close to his vision but not exact, so he designed and built a better version. In 2009, the PergolaX was born (under a different name but you can read more on the website).

The PergolaX Systems are permanent structures and comes in many different sizes and attributes. Customizable and able to integrate things like Phantom Screens and such. The systems are beautiful made of Extruded Aluminum, non-corrosive, resilient and scratch-resistant with colors to compliment any space. The PergolaX System requires installation only by fully trained StruXurarians to ensure the product functions and is installed currently.

By what for the average Joe? Or Contractor? This is where CabanaX comes in. This is a new system that is offered in a fixed size of 116" x 116" and, in some areas, may not need for permitting. It still has the motorized adjustable louvers, so a quick summer shower doesn't spoil the fun. The product is shipped from our GA plant and can truly be set up in a matter of hours.

There are 2 models, Core and Core +; the later comes with lights. The system comes with 4 posts, 4 beams and 17 louvers. Colors are Black, White or maybe South Beach strikes your fancy. The features are:

- Post Height adjustments
- Motorized adjustable louvers powered by Somfy
- Easy Power Plug
- Controlled LED lighting (Core + only)
- Modular configurations
- Interchangeable wall panels: Solid, Slat, Power panel for a TV and others
- Architectural Corbels
- Sunbrella Fabric Curtains

Truly the best stay-cation for your home or one of your clients! For more information and to learn more visit the StruXure website to acquire or configure your own or call me!

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Fairview Campus Wins Conceptor Award for Engineering Excellence

Landmark Science & Engineering won the Conceptor Award at ACEC Delaware's Engineering Excellence Awards ceremony at the 2022 Engineer Week Banquet held this year. The Conceptor Award is the second highest award presented and was for the category for projects in the over $5 million cost category. Landmark's Joseph C. Marvasi was also recognized as a new Professional Engineer by the Delaware Association of Professional Engineers (DAPE) at this rescheduled banquet held on June 16, 2022.

Fairview Campus Set New Standards for School Development
Delaware's first public K-12 school, Fairview Campus, located in the fast-growing Middletown-Odessa-Townsend area, was recognized as a school model that set new standards for school development. With the civil engineering site design of unique, low-impact stormwater elements, combined with shared building components and site infrastructure, the 272-acres of farmland – a large tract of prime land – was able to remain intact and meet all of the community's educational needs in one campus setting, rather than on four separate school sites with many costly redundancies. It is also possible that less overall land will ultimately be removed from the public tax rolls by consolidating the four schools on one site.

Engineering Excellence
In addition to the design of low-impact stormwater facilities, approval of parking variances allowed for shared vehicle parking and bus loading area that eliminated about 1,000 parking spaces – or 10 acres – of impervious parking surfaces. This helped with greening of the site,

maintaining more natural habitat, improving water quality, and saving construction costs, as well as operating and maintenance costs that the school district will realize for many years to come.

All classroom buildings were designed with frontage around a central green, with an **inner loop** road for parent drop-off of students that is segregated from bus, staff, and student parking by directing those vehicles to an outer loop road. Vehicle access to the separated loop roads is via a single, dual lane entrance/exit boulevard and roundabout. Activity centers, such as the performing arts center, gymnasium, and sports complex with tennis courts, track and field, athletic fields, and stadium, are all situated with direct access to the **outer loop**.

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News from our Allied Members

ASCE Names K. James Taylor, Jr. Named Young Engineer of the Year and COVID-19 Wastewater Epidemiology Sampling Project Small Project of the Year

K. James Taylor, Jr., Senior Project Manager and Civil Group Leader at Verdantas, was named ASCE's Delaware Section Young Engineer of the Year.

James was nominated and recognized for not only his dedication to his profession, but his unique ability to seize every opportunity to continue to improve not only himself but his community and build up those around him by encouraging a high standard of excellence in their work, professional development, and personal growth. James is a big-picture thinker and strategist, always thinking of how to elevate his team's performance and meet project, client and company goals.

David Small, Senior Consultant, and his project team were awarded the Small Project of the Year for their COVID-19 Wastewater Epidemiology Sampling project with New Castle County and the State of Delaware to monitor infection hot-spots. Building upon the recognition that laboratory methodologies can be used to detect the virus in wastewater from people shedding the virus through excrement, this project demonstrated the ability to deploy sampling equipment successfully and economically in strategic locations to collect data from large and small catchment areas. This sampling was able to monitor increases and decreases in clinical cases up to approximately two weeks in advance of clinical test results. Data collected also assisted public health decisions such as where in the community to offer clinical testing and vaccinations. The methodology is being used to track other public health challenges including the use of opioids and recent outbreaks of polio.

Verdantas is an environmental and civil infrastructure company committed to our clients and people, and working together to improve our communities and world. We have local offices in Wilmington, Dover and Lewes, DE. For more information, please visit www.verdantas.com

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