

# Florida/Caribbean ARCHITECT

Official Journal of the Florida Association of the American Institute of Architects | Summer 2018



AIA  
Florida

**NOW IN EFFECT STATEWIDE!**

# UPDATED CODES TAKE FLORIDA INTO A NEW ERA OF SAFETY AND RESILIENCY

The 2017 Florida 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, PDF downloads, or *premiumACCESS™* online subscriptions for added convenience.



## AVAILABLE NOW!

Florida Building Code: Building, 6 <sup>th</sup> Edition (2017)	#5601L17
Florida Building Code: Residential, 6 <sup>th</sup> Edition (2017)	#5610L17
Florida Building Code: Existing Building, 6 <sup>th</sup> Edition (2017)	#5650L17
Florida Building Code: Accessibility, 6 <sup>th</sup> Edition (2017)	#5603L17
Florida Building Code: Test Protocols for High Velocity Hurricane Zone, 6 <sup>th</sup> Edition (2017)	#5602L17
Florida Building Code: Plumbing, 6 <sup>th</sup> Edition (2017)	#5621L17
Florida Building Code: Mechanical, 6 <sup>th</sup> Edition (2017)	#5631L17
Florida Building Code: Fuel Gas, 6 <sup>th</sup> Edition (2017)	#5661L17
Florida Building Code: Energy, 6 <sup>th</sup> Edition (2017)	#5681L17

## MONEY-SAVING COLLECTIONS

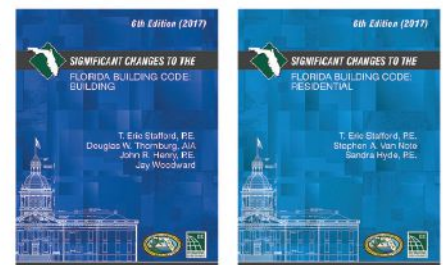
2017 Florida Codes: Complete Collection	#5600BN17
2017 Florida Codes: Building & Residential Combo	#5607BN17
2017 Florida Codes: Designer Collection	#5606BN17

## GET UP-TO-CODE FAST WITH SIGNIFICANT CHANGES ILLUSTRATED GUIDES!

Gain full access to the most critical updates to the 6th Edition (2017) Florida Building and Residential Codes as well as expert analysis for each change in these easy-to-use full-color resources.

**Significant Changes to the Florida Building Code, 2017 Edition**  
#5615S17

**Significant Changes to the Florida Residential Code, 2017 Edition**  
#5616S17



**ORDER YOUR COPIES TODAY! 1-800-786-4452 | [www.iccsafe.org/2017FL](http://www.iccsafe.org/2017FL)**



**INTRODUCING THE SLIMPACT® FRAMELESS IMPACT DOOR**  
Patent Pending Design with Florida Product Approval for HVHZ

Faour Glass Technologies continues to push the limits of its line of patented Slimpact® Frameless Impact Windows and Doors. The Slimpact® Door reaches an impressive height of 10 feet with design pressures of +/-90 psf, meeting Florida's HVHZ windborne debris requirements.

Slimpact® offers the combination of beauty, elegance, and performance in a frameless impact glazing system. To learn more visit: [SlimpactView.com](http://SlimpactView.com).

**SLIMPACT®**  
FRAMELESS IMPACT WINDOWS and DOORS

*brought to you by*

**Faour Glass Technologies**

faourglass.com | 800.929.4691

# ARCHITECT In This Issue

## PROJECTS

**Ron Wiendl, AIA**, is vice president and director of design at LEO A DALY. His award-winning work has earned him numerous national, regional and local design awards. Wiendl's philosophy of designing physical environments to enhance lives is the starting point and touchstone for each of his designs. His work also reflects a dedication to sustainability which can be seen on his project, the Royal Caribbean Innovation Lab, on page 12.

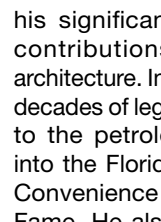
**HKS Architects** provides clients with full-service design, architecture, planning and interior design services focused on industries including healthcare, education, justice, aviation, interiors, commercial, hospitality, sports and entertainment. The team effort and collaboration HKS Architects puts into the build and design of large projects is on display with the National Training Center for United States Tennis Association, page 16.

**Mark Lutz, AIA, RA, LEED AP**, is a principal at Perkins + Will. He has devoted his entire 26-plus year career to the design of health care facilities. One of his health care projects, the Nicklaus Children's Hospital Advanced Pediatric Care Pavilion, can be seen on page 20. Lutz's extensive healthcare portfolio highlights his effectiveness in coordination and in completing projects with diverse requirements and complexity.

**Jason Jensen, AIA, LEED AP**, is a principal at Wannemacher Jensen Architects, an interdisciplinary architecture firm that provides creative design solutions that promote community and client ambitions, redefine conventions and generate purpose driven solutions. His work on the Madeira Beach City Hall, page 24, focuses on respecting the space and its intended use, relating the building to its site and adding value with purposeful design.



## FEATURES



**J. Michael Huey, Hon. AIA**, is a shareholder of GrayRobinson Attorneys at Law. Huey has represented design professionals, owners and contractors in construction matters for his entire career. In May 1999, Huey was conferred honorary membership in the American Institute of Architects for his significant legal and governmental contributions to the profession of architecture. In 2003, he was honored for his decades of legal and governmental services to the petroleum industry by induction into the Florida Petroleum Marketers and Convenience Store Association's Hall of Fame. He also represents local, national and international corporations in matters involving Florida's legislature and agencies. Huey provides an annual legislative update on page 28.

**Wesley Kean, AIA**, principal, founded the award-winning, knowledge and creativity-based design firm, KoDA in 2015. Kean earned a B.Arch degree at the University of Miami. With a design studio rooted in Miami Beach, Kean and his team embrace the challenges of the world with optimism and ambition, using research to carefully curate the growth of cities. He authored the essay, "How Metabolist Ideas Could Become the Solution to Sea-Level Rise Vulnerability," on page 30.

## AIA Florida

### Executive Vice President

Vicki L. Long, CAE, Hon. AIA  
vlong@aiafla.org

### Chief Operating Officer

Becky Magdaleno, CAE  
bmagdaleno@aiafla.org

### Director of Professional Development

Wendy Johnson  
wjohnson@aiafla.org

### Director of Marketing and Strategic Communications

Kathleen Hampton  
khampton@aiafla.org

### Communications and Public Relations Manager

Meagan Bonnell  
mbonnell@aiafla.org

### Component Relations and Member Services Manager

George Henning  
ghenning@aiafla.org

### Administrative Assistant

Hilary Gill  
hgill@aiafla.org

### Communications Associate

Victoria Villanti  
vvillanti@aiafla.org

### Graphic Designer

Scott Nichols, CPSM, Allied Member of AIA

### Story Ideas

editor@aiafla.org

### Member:



**The American  
Institute  
of Architects**



@AIAFlorida



Like AIA Florida on Facebook



@AIA\_Florida

## 2018 AIA FLORIDA BOARD OFFICERS

### President

Kim Headland, AIA

### First Vice President/President-Elect

Nati Soto, FAIA

### Secretary/Treasurer

J.J. Scott, AIA

### Vice Presidents

Linaea Floden, AIA  
Patrick E. Hoy, AIA  
Steve Panzarino, AIA  
Ignacio J. Reyes, AIA

### Associate Directors at Large

Trevor Boyle, AIA  
Amie Calisti, Assoc. AIA

## 2018 AIA PUERTO RICO BOARD OFFICERS

### President

Luis Galarza-Berrios, AIA

### President-Elect

Victor Diaz-Paunetto, AIA

### Secretary

Luis R. Mattei-Lozano, Assoc. AIA

### Treasurer

Hector J. Ralat-Sotomayor, AIA

### Immediate Past President

Jose I. Sadurni, AIA

### Chapter Directors

Zenaire Garcia-Cividanes, AIA  
Nilda Marchan, AIA  
Eugenio Ramirez-Ballagas, AIA

### Associate Director

Jose E. Rodriguez-Bou, Assoc. AIA

## 2018 AIA U.S. VIRGIN ISLANDS BOARD OFFICERS

### President

Brian Turnbull, AIA

### Secretary

Emily Burton, Assoc. AIA

### Treasurer

Jeffrey Boschulte, AIA

### Immediate Past President

Stacy A. Bourne, FAIA

## 2018 AIA FLORIDA / CARIBBEAN REGION

### Regional Representatives

Jaime Sobrino, AIA  
Nathan Butler, FAIA

### Regional Associate Director

Jason Adams, Assoc. AIA

## DEPARTMENTS

6 President's Perspective

8 EP Spotlight

33 On the Boards

34 Architects and Their Art

35 Advertisers' Index

---

**Cover Photo:** Nicklaus Children's Advanced Pediatric Care Pavilion. Photo by Cheryl Stieffel/Miami in Focus.

---

*Florida/Caribbean Architect* is published by  
Innovative Publishing,  
10629 Henning Way, Ste. 8, Louisville, KY 40241,  
844.423.7272, [www.innovativepublishing.com](http://www.innovativepublishing.com).



# President's Perspective

Kim Headland, AIA

American composer John Cage once said, “I can’t understand why people are frightened of new ideas. I am frightened of the old ones.”

ARE WE ADDRESSING THE REALITIES FACING ARCHITECTS TODAY AND THE MANY ENVIRONMENTAL, SOCIAL AND ECONOMIC FACTORS IMPACTING THE INDUSTRY?

This is particularly relevant today as our profession faces a rapidly changing landscape. As architects, we excel at developing new ideas and jump at the opportunity to tackle design challenges. Most often these challenges are within the built environment. However, increasingly architects are becoming valued civic collaborators, well-equipped to build consensus on the many issues facing our communities today. When it comes to “designing a solution,” we are quick to come up with the new idea — or 1,000 new ideas — without clinging too tightly to the old ones.

But how are we positioning ourselves and our profession for the future? Are we addressing the realities facing architects today and the many environmental, social and economic factors impacting the industry? Are we embracing and acting on issues of social equity and justice? Are we willing to consider new practice models, technologies and philosophies as we anticipate a significant shift in our country’s workforce with the retirement of more than 10,000 people per day in the decade to come?

These questions and many more will be tackled at this year’s annual convention, the theme of which is Innovate+. This inspirational event will frame critical conversations and lay the groundwork for positive action amongst our members and organization for the years to come. A special thanks to the 2018 convention

planning committee, led by Holly Stenger, AIA and Jordan Yee, AIA for organizing an amazing lineup of engaging speakers in Ponte Vedra Beach.

Nationally-recognized professionals like Jonathan Segal, FAIA of Segal Design, Mimi Hoang, AIA, LEED of nArchitects and Kevin Cavanaugh of Guerilla Development will present a wide range of topics, from the most cutting-edge practice models to crowd-sourced project development and high design for housing affordability. Jorge Arce of the U.S. Department of Commerce will share his expertise on the valuable resources available to increase international practice opportunities. A rockstar panel of experts including Craig Fugate, John Englander, Jeff Huber, AIA, Brad Schiffer, AIA and Anthony Abbate, AIA will lead a critical discussion titled “Wicked Water.” This discussion, moderated by Don Yoshino, FAIA will highlight Florida’s design future through the lens of the enormous natural (and not-so natural) changes facing our tropical environment.

Like the annual convention, AIA Florida’s many programs and initiatives are only made possible through you! Your membership, leadership, engagement and dedication to our ever-evolving profession shape our collective future. I hope to see you in Ponte Vedra to celebrate, learn and move our profession forward! ■

# MODULAR ARCHITECTURAL SOLUTIONS

FOR BETTER OUTDOOR SPACES



## FULLY MODULAR ASSEMBLY

Easy installation with less labor and more efficiency.  
Endless configurations and customization options.



## DESIGNED FOR ARCHITECTS

Final results are guaranteed to match the blue prints.  
Modern minimalist appeal across all products.



## STRUCTURAL PERFORMANCE

**Hurricane Resistant: Miami-Dade NOA certified.**  
Marine-grade materials and durability.



## FAIR TRADE, MADE IN USA

US Patented and domestically manufactured product,  
held to the highest quality standards.

## MOUNTING HARDWARE

18-8 Stainless steel

## ASSEMBLY CONNECTORS

Anodized aluminum  
CNC machined  
Solid components

## OUTDOOR FABRIC PANELS

SOLTIS W96, Serge Ferrari.  
Exceptional stability  
Max. Width 29"  
UV Protection  
100% Water proof  
Removable panels in an event of major hurricane.

## MARINE-GRADE POSTS BEAMS AND RAFTERS

Aluminum alloy 6005-T5  
Min. 1/8" Thick extrusion  
Tensile strength 38.0 min ksi.  
Yield strength 31.0 min ksi.



MIAMI SHOWROOM:  
2782 NW 79TH AVE. DORAL, FL 33122

TEL:  
1(844) 235.2993

WEBSITE:  
WWW.LAYZESYSTEMS.COM

AWNINGS | CANOPIES | CABANAS | FENCES | UMBRELLAS | RAILINGS | FURNITURE | DECKING

PLEASE VISIT OUR WEBSITE FOR DETAILED SHOP DRAWINGS, SPEC SHEETS AND PROFESSIONAL RESOURCES

# EP Spotlight

Amanda Rosenfeld, Assoc. AIA,  
LEED AP BD+C, WELL AP



Amanda Rosenfeld, Assoc. AIA, LEED AP BD+C,  
WELL AP

Amanda Rosenfeld, Assoc. AIA, LEED AP BD+C, WELL AP, traces her passion for architecture to her high school days, where her favorite subjects were art — specifically drawing — and science. She tried the field of medical illustration but found it limited her creativity. When she enrolled in a drafting and design class in high school, she knew that she wanted to become an architect.

Earning her B.Arch at the University of Miami School of Architecture, she experienced all aspects of architecture and design, learning how to problem-solve and think creatively. While in school, she participated in a design-build studio where she designed and constructed a portable, self-sufficient sanitation station for a farm in Homestead, Florida. She also learned about designing and repurposing historically preserved houses with the Norton Museum of Art in West Palm Beach, Florida.

As a designer at HKS Architects, Rosenfeld is active in her community. She visits local schools to encourage young girls to

pursue careers in STEM and architecture-related fields. As co-chair of the AIA Miami Mentorship Committee, she works with local universities to help students obtain and secure positions in the profession.

With a major focus on sustainability, Rosenfeld incorporates sustainability-positive techniques in her design. Rosenfeld, in fact, is both WELL and LEED certified. WELL, she said, focuses specifically on the users, considering the impact of nourishment, fitness, happiness and community in designs. She incorporates approaches that benefit the local ecology, like passive design.

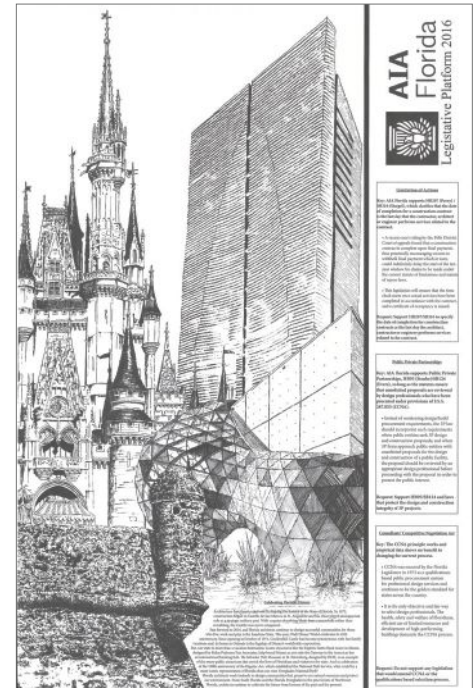
“I hope to be a small part in what has slowly become a widely adopted practice of incorporating designs that are environmentally conscious. I have always had a strong passion for protecting the environment and all the natural wonders,” Rosenfeld said.

Rosenfeld is a sustainable champion at HKS Architects and hosts the firm’s annual GreenWeek initiative, a program devoted to sharing ideas for sustainable, resilient and responsive design. She is currently expanding this programming to AIA Miami by developing presentations on subjects that include adaptable design and bird-friendly architecture.

Rosenfeld is serving her second year on the AIA Miami Board as associate director, and chairs AIA Miami’s Young Architect Forum and the ARE Committee. As a



Rosenfeld introducing young girls to architecture and STEM



2016 Legislative Poster

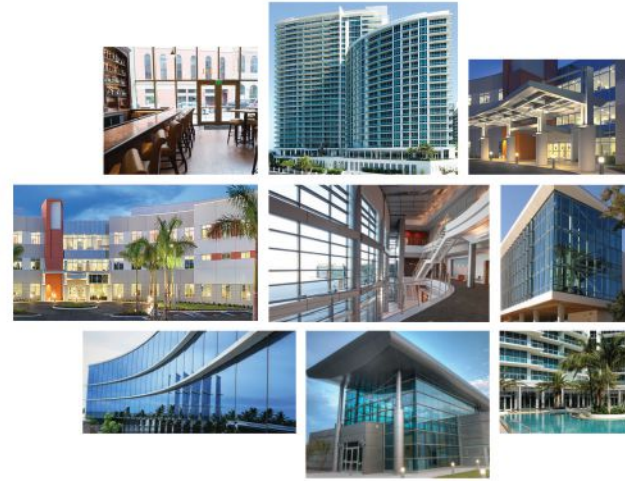
scholarship recipient at the first annual Speak Up AIA Advocacy/Action Event, she was part of a select group of associates learning strategies and techniques to successfully advocate for the industry with elected representatives. In 2015, she designed and hand-drew the official Legislative Day poster that was handed out to state senators and representatives.

Her advice to emerging professionals is to continuously develop the divergent skills of public speaking and hand-sketching. According to Rosenfeld, “While these talents sound vastly different, they really have the same goal, namely to successfully communicate your message. Architecture is a service profession, and we need to ‘sell’ our design and our work to the client. Good public speaking skills allow us to verbally do so, and good hand-sketching allows us to visually communicate with the client. A quick five-minute sketch at a meeting might prove to be just what is needed for the client and the architect to agree on a design right then and there.” ■

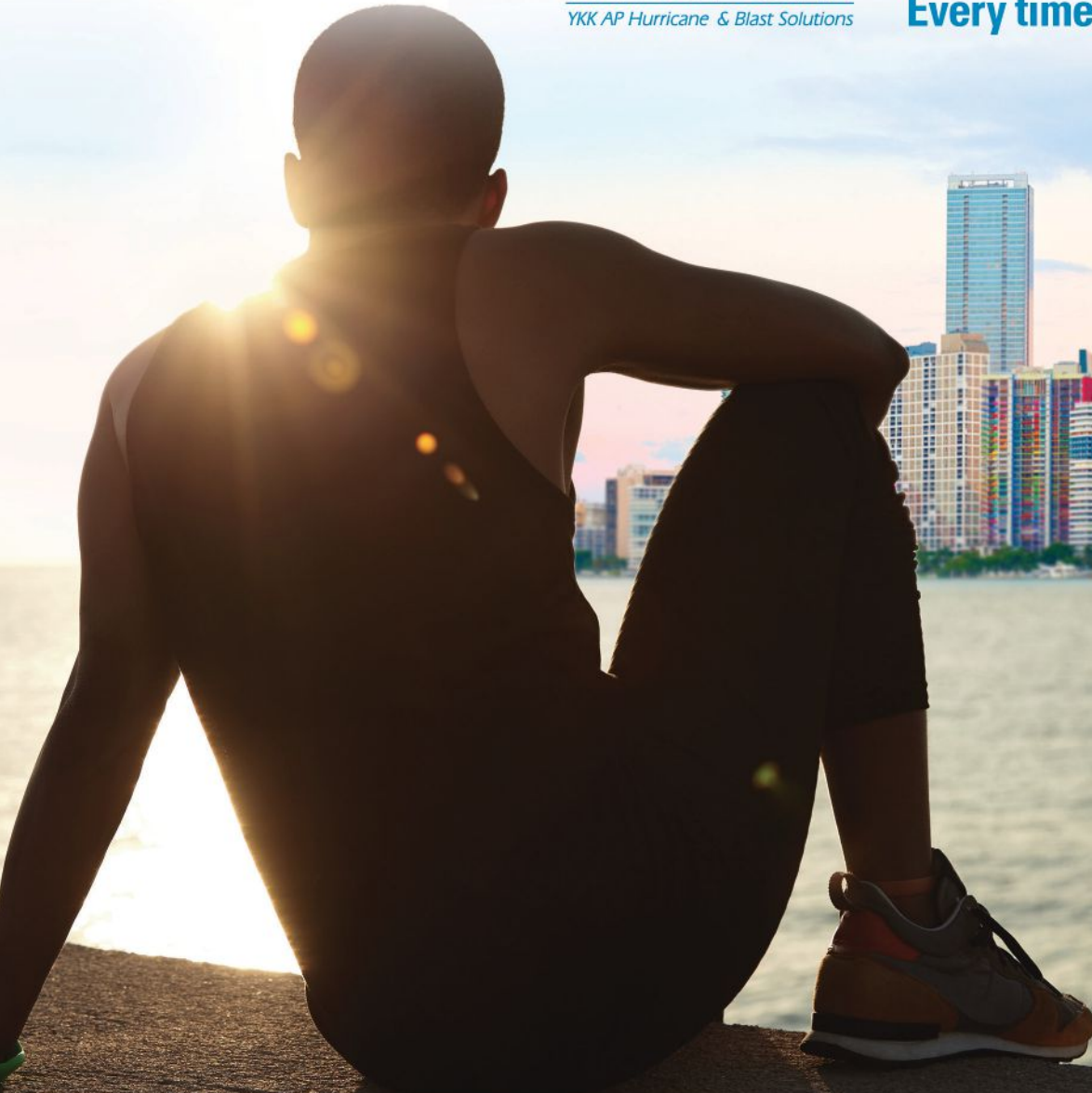


Our ProTek® line of facade systems has been in the path of every major U.S. hurricane in the past 15 years with no product failures. ProTek meets the requirements of the International Building Code and all state codes for hurricane impact protection in Wind-Borne Debris Regions, including Florida's High-Velocity Hurricane Zone – Miami-Dade and Broward counties. From low to high wind-speeds and design-pressures, ProTek provides high-quality solutions for your building envelope, whether the need is for Small Missile A, Large Missile D or Missile Level E for Essential Facilities, ProTek systems give you the protection you need.

**Contact our Orlando branch at  
800.444.9552 for more information.**



**Stands the test of time.  
Every time.**



[ykkap.com](http://ykkap.com)

MANUFACTURER  
- OF -  
ARCHITECTURAL  
METAL

**Hendrick**  
ARCHITECTURAL

**perforated metal  
products, profile bar  
& wedge wire grating**

Rare Aesthetics

Environmentally  
Responsible Materials

Dynamic Performance  
& Energy Efficiency

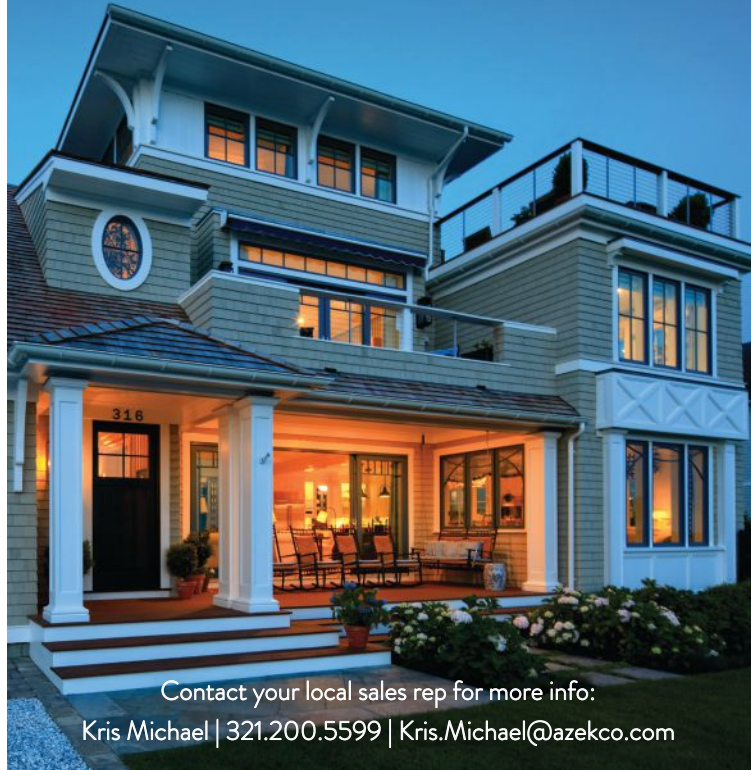
Subdued Maintenance

 **YouTube**  
watch project videos

[www.hendrickarch.com](http://www.hendrickarch.com)  
877.840.0881

**AZEK**  
Building Products

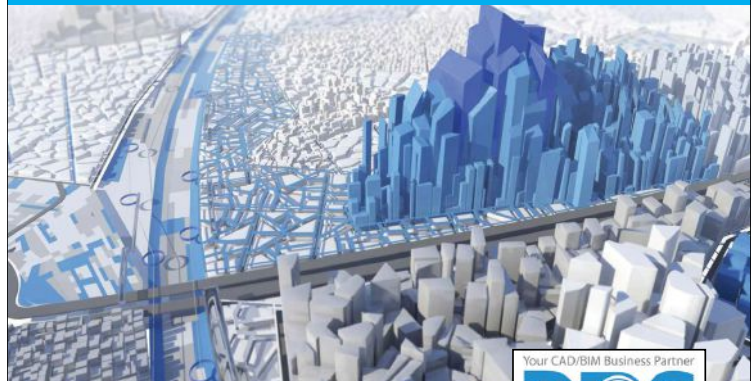
#1 IN PREMIUM  
DECKING AND TRIM



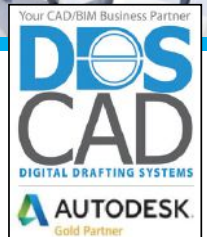
Contact your local sales rep for more info:  
Kris Michael | 321.200.5599 | [Kris.Michael@azekco.com](mailto:Kris.Michael@azekco.com)

## Digital Drafting Systems

**YOUR AUTODESK CAD/BIM  
BUSINESS PARTNER.**



- Autodesk CAD/BIM Solutions, Training, Support and Customization.
- BIM Services.
- HP Plotters and Support.



Visit: [ddscad.com](http://ddscad.com) or call 305.445.6480

# Durable Color

Multi-Color Metal Roof Creates a Lively Experience



Destin Commons, Destin, FL  
Owner: Turnberry Associates  
Installing contractor: Roof Specialties  
Architect: JPRA Architects  
Distributor: CRS - Commercial Roofing Specialties  
Profiles: Snap-Clad  
Colors: Arcadia Green, Slate Gray, Terra Cotta

Destin Commons, a premier open-air lifestyle center, is clad with Snap-Clad metal roofing panels in three complementary PAC-CLAD Cool Colors. Petersen's premium 70% PVDF finish is available in more than forty colors on steel and aluminum.



**SNAP-CLAD**

Arcadia Green, Slate Gray, Terra Cotta

Case study at [PAC-CLAD.COM/DESTIN](http://PAC-CLAD.COM/DESTIN)

[PAC-CLAD.COM](http://PAC-CLAD.COM) | [INFO@PAC-CLAD.COM](mailto: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



**PAC-CLAD**

P E T E R S E N

# Royal Caribbean Innovation Lab Miami, Florida

LEO A DALY | Miami, Florida



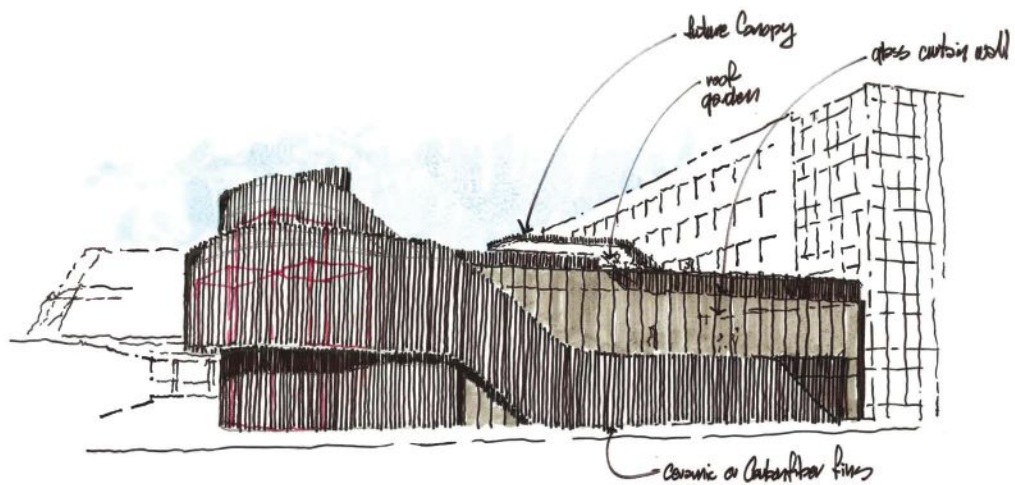
Royal Caribbean's new Innovation Lab was designed around a first-of-its-kind, 3D simulation environment referred to as the Cave. The company's six-story headquarters building at the Port of Miami has set the stage for the next generation of cruise ship design. This 20,000-square-foot addition, with its expressive shape, resilient skin and high-tech interior, creates the perfect environment for imagining and designing the vessels of the future. In the Cave, designers use virtual reality to immerse themselves in the vessels they design. Using projection equipment in the ceiling, floor and walls, they are able to create a panoramic digital simulation of new vessels. Wearing special headsets, as many as 10 team members can collaborate on a project at the same time.

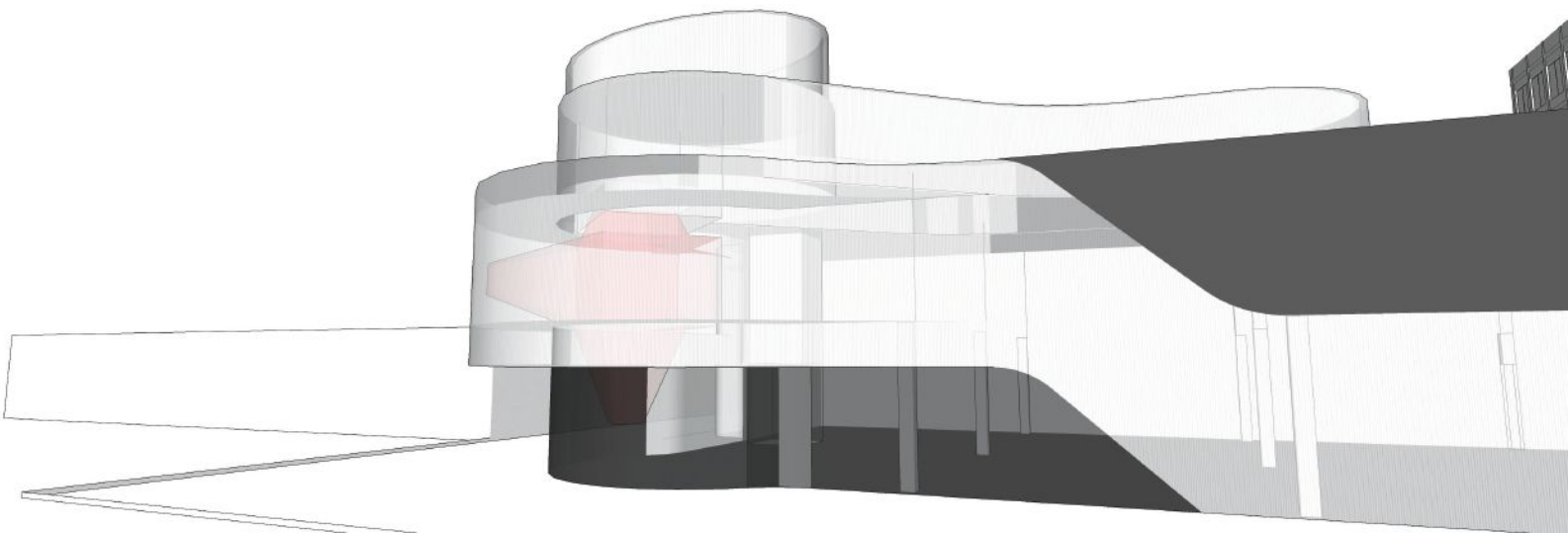
Photos by Robin Hill



The Cave is housed in a three-story volume in the southwest corner of the addition. It is accessed via the second level, while the rest of the floor contains collaborative workspaces, a lounge and a café area. The first floor is largely unfinished, which provides space for the construction, testing and aesthetics of full-size mockups of a ship's interior.

The lab's exterior architecture is a celebration of the innovative design happening within. The curved edge of the building cantilevers over its 270-degree radius and circumscribes the Cave within. The pure white concrete panels on the exterior were sandblasted to produce a delicate appearance, and aluminum fins were added to create a playful rhythm. The concrete skin also allows the lab to blend with the existing precast and concrete corporate headquarters, and it provides the building envelope with resilience against the port's harsh, salty environment.







The 10,000- to 20,000-pound weight of the 20-foot-tall architectural panels required close coordination between the precast manufacturer, the contractor and the architect. The panels were made hollow on the inside to offset the weight of the cantilever and provide stability. Using design-build and lean construction methods, the project was successfully fast-tracked, going from schematic design to occupancy in 10 months. Without this level of collaboration, a similar project was projected to take up to two years to complete. *(Editor's note: Lean construction is a combination of operational research and practical development in design and construction. Unlike manufacturing, construction is a project-based production process.)*

The LEED Silver Certified lab received an Unbuilt Award of Merit for Non-Residential Design from AIA Palm Beach in 2016. Upon completion in 2017, the project received an AIA Palm Beach Award of Merit. ■

**Interior Design Consultant:** Gensler  
**Precast Concrete Manufacturer:** STABIL Concrete Products  
**Design-Build Contractor:** Turner Construction







Photos by Garrett Rowland

# United States Tennis Association National Campus Orlando, Florida

HKS Architects | Orlando, Florida

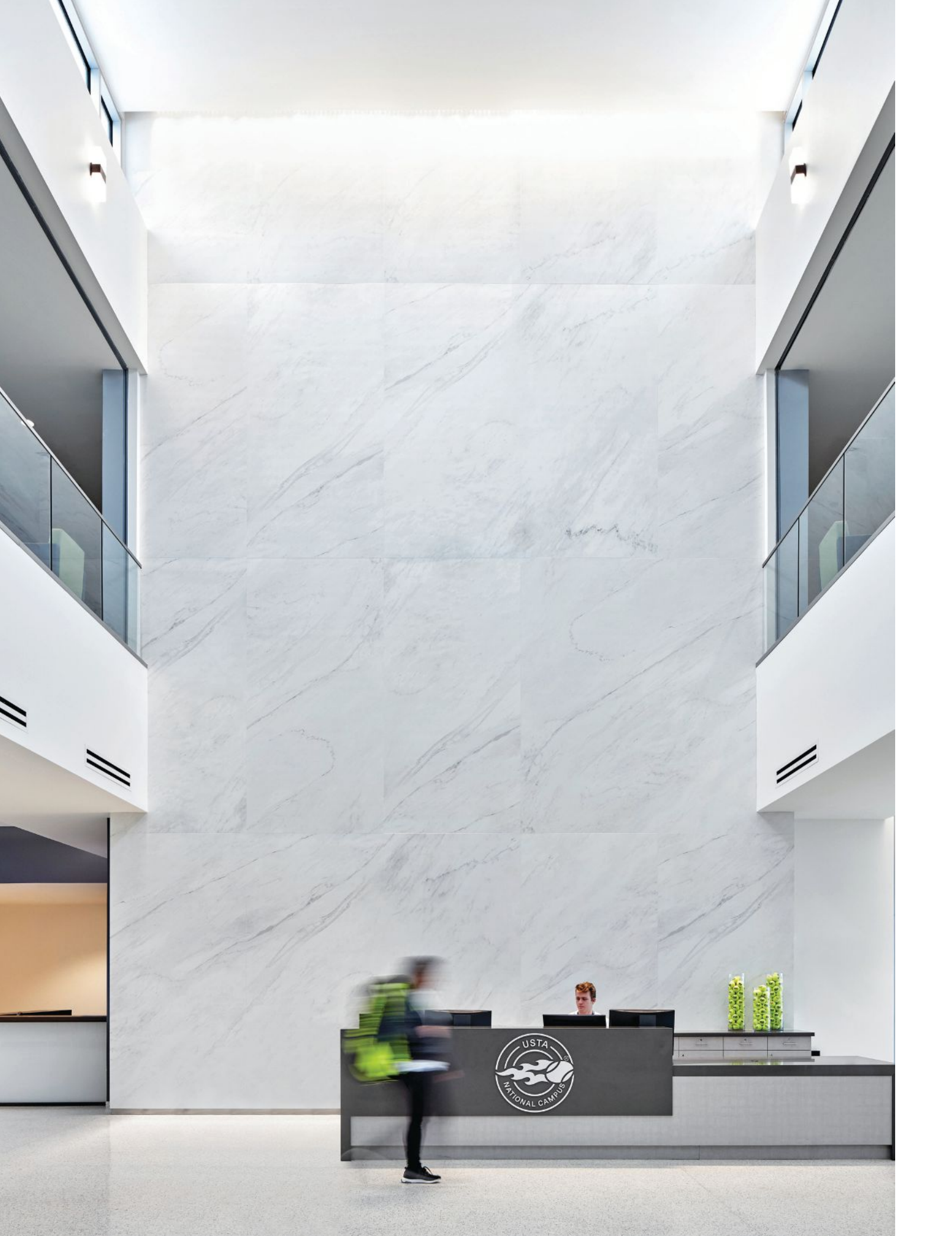
The United States Tennis Association (USTA) is a nonprofit organization with more than 700,000 members, serving as the sport's national governing body. Progressing into the 21st century, the association perceived a need to modernize the way the game is delivered at all levels of play and decided to create a new National Campus in Orlando, Florida, to serve as an innovation hub for the sport.

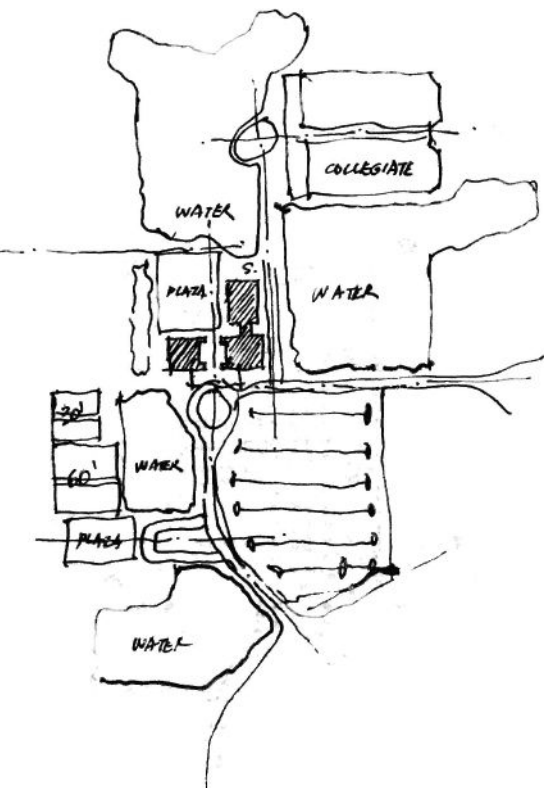


The new National Training Center is situated on a 65-acre site southeast of downtown Orlando, in the Lake Nona development. The focus of the campus is the 96 tennis courts in a variety of surfaces — green and red clay, as well as asphalt — for leisure play, competitions and tournaments. The facility also contains over 175,000 square feet of building within a number of unique facilities scattered throughout the site, including an administration office building, collegiate tennis center, player development lodge and a tournament administration building.

From the very inception of the project, there was a focus and obvious desire to connect the buildings to the land — clean, efficient and modern, yet sensitive to the Florida climate.

The site's primary focus is dedicated to outdoor activities, creating an interesting spatial reversal — buildings now become small islands inhabiting the places in between the dominating land use consumed by courts, outdoor green spaces, pathways and retention ponds. The stated project goal was to design the buildings as efficient, modern and cost-effective structures. During design, the team analyzed architectural precedents associated with western central Florida, and incorporated the elements indicative of that style, adapted to the regional environmental conditions. The buildings exercised the principles of design which raised the building massing off the ground to create outdoor shaded areas, incorporated deep overhangs and trellis structures to protect exterior





windows, occupants, and users, and used an orthogonally geometric discipline to organize the façades and building patterns.

The architectural style and vocabulary, as well as the site layout, had to be flexible enough to support a variety of simultaneous activities. These include the incorporation of integral court technology that allows review and study of player performance and ability analyses, an NCAA venue that is the home of the University of Central Florida's varsity tennis team, which supports televised competitions, and a variety of spectator and fan amenities to support public and community engagement.

The final result was the USTA's first LEED® Certified facility and the largest tennis facility in the country supporting all stages of player growth from beginner to professional training to bolster the USTA's performance in global competition. ■

**Architect:** HKS  
**Project Cost:** \$63 million  
**Civil Engineer:** Donald W. McIntosh Associates, Inc.  
**Landscape Architect:** EDSA  
**MEP:** exp  
**Structural Engineer:** BBM Structural Engineers  
**Construction Manager:** DPR Construction  
**Owner:** Lake Nona Central LLC/United States Tennis Association



Photos by Cheryl Steffel/Miami in Focus

# Nicklaus Children's Hospital Advanced Pediatric Care Pavilion Miami, Florida

Perkins + Will | Miami, Florida



Miami architects Perkins + Will had to overcome multiple challenges during the pavilion's design process, including working with a limited proposed expansion area on the Nicklaus Children's Hospital (NCH) campus. Connecting the new pavilion to the existing hospital and the phasing of underground construction in order to navigate the existing utilities to avoid any shutdown were challenges that also had to be overcome. Additionally, because the project is located in a high-velocity hurricane zone, the design team employed strategies to "harden" the facility to withstand hurricane-force winds.

The design techniques that were employed include access to daylight and nature, and opportunities for social interaction with family and peers.



With the intention of making the new pavilion represent community outreach, the building's exterior is shaped like a prism and lined with windows on the west side. These windows provide for an abundance of natural light while mitigating the south Florida heat through varying degrees of translucence. Abundant windows also soften the transition between indoors and the outside courtyard that is shaded from the sun by a canopy of trees.

Employing evidence-based design techniques to meet the unique needs of children, the 215,000-square-foot Advanced Pediatric Care Pavilion houses a neonatal intensive care unit (NICU), a pediatric intensive care unit (PICU), a neurology unit, a bone marrow transplant unit (BMTU) and a cardiovascular intensive care unit (CVICU). The design techniques that were employed include access to daylight and nature, and opportunities for social interaction with family and peers. The new patient rooms provide generous space for visitors, since family bedside visits ensure a sense of patient comfort.

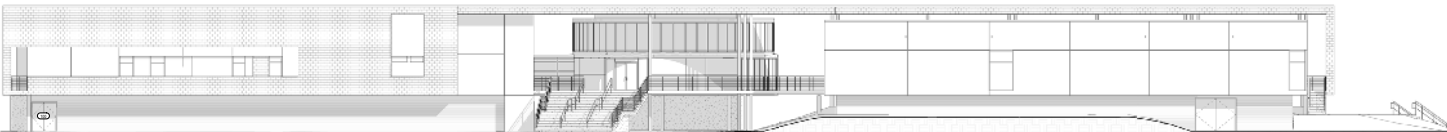
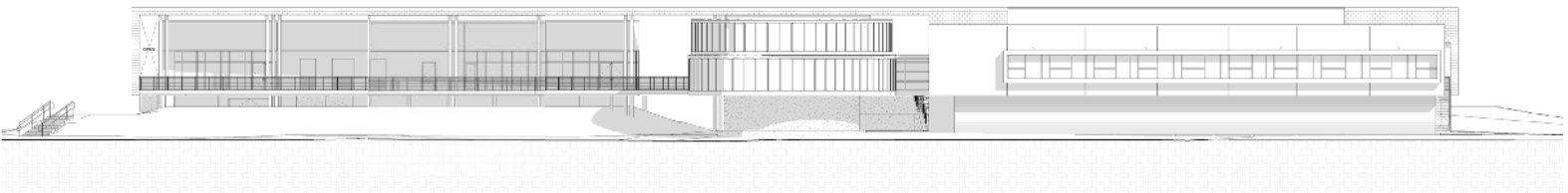
Beyond the patient rooms, "Wonder Rooms" throughout the facility provide space designed to distract from illness and encourage a multi-sensory experience where children can interact with textured surfaces and playful objects. "Family Rooms" provide a space for a calming respite with family and friends. ■







Photos by Rich Montalbano





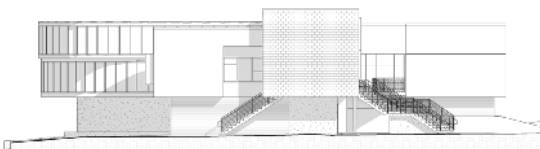


# The Madeira City Hall Madeira Beach, Florida

Wannemacher Jensen Architects  
St. Petersburg, Florida



This new public building is sited at the west end of a municipal complex that includes a fire station, recreation center and community park. The addition of the city hall provided the opportunity to weave together a large multi-use public space with core civic activity. Designing a functional new city hall and blending it with surrounding parkland enabled the designers to create a community center for all residents.





The planning and design of the city hall has fostered new relationships between public space and public service by allowing exterior circulation to be used as event space. Even the commission chambers can be used for community events.

To accomplish this, the chamber was moved from its typical interior location and is exposed as a transparent volume that serves both as a place for civic engagement and as a lantern inviting people to the park and waterfront edge.





The architect drew design inspiration from natural site aspects, outdoor activity and waterfront views. The city hall's basic program requirements included office space, building department services, a commission chamber, a multipurpose room, a small gym and a covered boardwalk. To reduce energy consumption, the designer used extensive low-e glass and created flexible interior spaces and covered exterior circulation on the north side of the building. In addition, elevating the structure creates opportunities for engagement with the outdoor environment. It also promotes wellness for the city hall staff and the public by creating a positive and familiar atmosphere indoor and out. ■

# Legislative Wrap-Up



J. Michael Huey, Esq.  
Hon. AIA

The 2018 legislative session concluded at 4:16 p.m., Sunday, March 11, two days past the scheduled March 9 sine die, ending a dramatic session that began with legislators tackling the aftermath of Hurricane Irma and concluded with their response to the horrific school shooting at Parkland's Marjory Stoneman Douglas High School.

At issue were budget items relating to \$300 million in hospital compensation formulas, and \$400 million for enhanced school security and mental health funding in response to the Parkland shooting. The two major incidents had a noticeable impact on other legislation introduced for consideration this year. Of the 3,250 bills filed, only 200 passed both chambers to be sent to the governor for approval.

Florida's total budget for 2018-2019 is \$88.7 billion, an increase of \$5.7 billion over the prior fiscal year, and sets aside \$3.3 billion toward state reserves. Florida will spend nearly 30 percent on health care, 53 percent on education, 13 percent on criminal justice, and the remainder on transportation and economic development, natural resources, and necessary government functions.

## High Priority Legislation

### Statute of Repose – Passed

SB 536 Sen. Kathleen Passidomo

HB 875 Rep. Tom Leek

The statute of repose is designed to bar actions brought against contractors and design professionals for latent defects found on completed projects after a specified period of time. Last session, we successfully passed legislation to clarify when a project is complete, defining it as the last day during which the professional engineer, registered architect or licensed contractor furnishes labor, services or materials, excluding labor, services or materials relating to the correction of deficiencies in previously performed work or materials supplied.

This session, legislation was passed to further clarify that once a certificate of occupancy has been issued, uncompleted

punch list or warranty items do not extend the time for filing one's complaint under the statute of repose. Additionally, the bill allows a design professional to file a counterclaim or cross-claim within one year after they are sued, even if that one year falls outside of the 10-year statute of repose, giving time for the design professional to file counterclaim or cross-claim against one of the other parties in the suit, or sue a third party whom they think was responsible for the claim being made against them.

### Deregulation of Professions and Occupations – Failed

SB 1114 Sen. Jeff Brandes

HB 1041 Rep. Scott Plakon

This session, we once again worked closely with the Department of Business and Professional Regulation (DBPR), Rep. Plakon and Sen. Brandes on legislation intended to remove or reduce the regulatory burdens on professionals regulated by the department. As it relates to the practice of architecture, the legislation would have removed the requirement that architects

acquire a certificate of authorization for their business entities and instead would have created a new system where the licensee would apply to be the qualifying agent for his or her business organization. In previous sessions, we worked with DBPR and the bill sponsors to remove problematic language from this legislation declaring that the architect who qualifies his or her firm under the practice act "is jointly and severally liable with the business organization for any damages resulting from the actions of the business organization."

This session, we again worked to ensure that this expansion of joint and severe liability remained out of the department's bill and that our other "tweaks" to the practice act remained unchanged. As session progressed, this language was amended to other bills. Ultimately, the legislation failed to pass in any bill. We anticipate that DBPR will file the bill again for consideration in the 2019 session.

### Florida Building Commission – Failed

HB 299 Rep. Stan McClain

No Senate bill filed

Legislation to change the Florida Building Code was filed again this session. The legislation would have significantly reduced the number of commissioners on the Florida Building Commission from 27 to 11, and would have removed the architect and engineer seats from the panel. AIA Florida opposed this legislation, as it would have removed significant and necessary experience from the commission; we were ultimately able to reinsert the architect member of the panel. Working with our industry allies and friends in the Senate, no Senate bill was filed.



Members of AIA Florida are briefed on legislative issues and happenings in the Old Capitol.



Ignacio Reyes, AIA and Sen. Powell (D-West Palm Beach) shake hands for a photo-op.



Kim Headland, AIA, AIA Florida president and Rep. Robert Olszewski (R-Orlando).



J. Michael Huey, Esq. Hon. AIA speaks at Legislative Day.

Last session, the Florida Home Builders Association surprised the design and construction industry by having legislation filed to modify the Florida Building Code review and adoption process. The final compromise requires the Florida Building Commission to review and determine which parts of the international and national codes to adopt instead of automatically adopting the international and national codes. The commission subsequently began developing rules regarding code adoption that AIA Florida believed to go beyond the legislation authorization. AIA Florida filed a rule challenge as they set a ridiculously high bar for the adoption of I-codes into the FBC by requiring that any new code meet a “Florida specific need,” without regard to merit. The rule challenge is ongoing.

#### Temporary Licensure – Failed

SB 1708 Sen. Victor Torres  
HB 1413 Rep. Carlos Guillermo Smith

This legislation would have provided for certain licensed professionals in Puerto Rico to temporarily transfer that license to Florida for two years. Puerto Rico sustained immense damage as a result of Hurricane Maria, and Puerto Rico’s already bruised economy has come to a standstill, leaving very limited employment opportunities. Many professionals have migrated to Florida in hope of finding a better financial future.

### Other Legislative Issues Legislation That Passed

**Public Records/Health Care Facilities**  
SB 906 Sen. Dana Young  
HE 551 Rep. Colleen Burton

The bill expands Florida’s public record exemption for building plans, blueprints, schematic drawings and diagrams, including draft, preliminary and final forms, which depict the internal layout and structural elements to include health care facilities. Specifically, the bill provides that such plans for a hospital,

ambulatory surgical center, nursing home, hospice or intermediate care facility for the developmentally disabled are exempt from public disclosure. The bill provides for repeal of the exemption on October 2, 2023, unless reviewed and saved from repeal through re-enactment by the legislature.

This bill was presented to the governor on March 14. He had until March 29 to sign or veto the bill, or allow it to become law without his signature.

### Legislation That Failed

**State Procurement Efficiency Task Force**  
SB 368 Sen. Jeff Brandes  
HE 111 Rep. Ben Albritton

Legislation was filed again this session that would have created a Statewide Procurement Efficiency Task Force to evaluate the effectiveness and value of state and local procurement laws and policies to the taxpayers of this state, and submit a report by July 1, 2019. The final report of the task force would have included, at a minimum, recommendations for consideration by the legislature that promote procurement efficiency, streamline procurement policies, establish best management practices and encourage increased use of state term contracts.

### Other Issues of Interest

**Consultants’ Competitive Negotiation Act (CCNA)**

Last session, the CCNA saw a full frontal attack. With a significant number of newly elected freshmen legislators, CCNA opponents seized the opportunity to have legislation filed to dismantle Florida’s qualifications-based selection process. With the assistance of our design community allies and the support of many of our legislator friends, we were able to prevent such legislation from being filed again this session.

### Five Forms of Flooding

This session, AIA Florida encouraged legislators to consider the impacts of water intrusion on current and future development and construction in Florida, including rainfall, storm surge, seasonal high groundwater, urban runoff and tidal flooding. AIA Florida began the conversation with legislative leaders this session, suggesting that a thorough review of current laws, rules, codes and development practices is necessary to mitigate the impacts of water intrusion. We will be working with our industry partners, legislators and staff over the summer and fall to develop a game plan for addressing Florida’s five forms of flooding.

### Next Session

The 2019 legislative session will begin March 5, 2019, and we expect that committee hearings will begin January 2019. We sincerely appreciate the opportunity to represent AIA Florida and commend you for your tireless commitment to the legislative process each session. Should you have any questions concerning the information provided in this report, please do not hesitate to contact us. ■



Kim Headland, AIA, AIA Florida president presents David Stone, AIA with a Citizen Architect Award.

Photo by media-reyes-powell

# How Metabolist Ideas Could Become the Solution to Sea-Level Rise Vulnerability

by Wesley Kean, AIA, Miami, Florida

There has been some recent momentum on the discussion of sea-level rise in Miami. More often than not, however, the conversation turns apocalyptic very quickly. After all, this is an overwhelming subject and one with myriad physical, emotional and political challenges that force many to avoid the topic altogether. In search of the “silver lining,” I stumbled across Metabolism, a post-war manifesto by Japanese architects in pursuit of an entirely new urbanism.

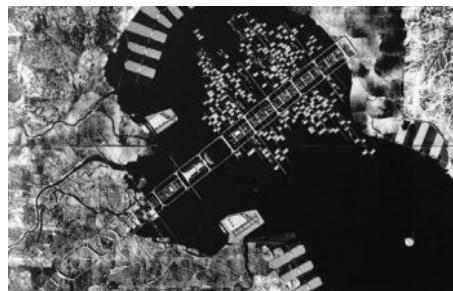
In order to understand how Metabolism can be a prescriptive solution for cities confronting sea-level rise, one must first understand its fundamental concept. The notion of Metabolism is to conceive the growth of the city as a biological condition, much like the cell division of elements found in nature. The Metabolists wanted to transcend what they referred to as “continental civilization,” and conceptualized floating cities along the pacific to become Japan’s newest archipelago. After the devastation of Hiroshima, they determined a need to abandon man’s desperate obligation to land, and liberate our cities from the constraints of terra firma. At the time, this stood in stark contrast to the Modernist framework of urbanism and resulted in ideas about artificial land, pelagic civilization and megastructures to support group form.

Why is this important within the Miami context? Well, once you detach the built environment from the ground plane, the threshold, boundary or “edge” suddenly becomes irrelevant. The current focus on re-building our seawalls higher and higher as the water continues to rise is interminable. I would propose that, rather than resist, we should allow the natural course of the water to follow its determined path. Knowing the issue in advance makes us capable of utilizing the technology of today to adapt to it. The answer is not in Venice, not in Amsterdam and certainly not in New Orleans, but in a post-war Japan. A time when architects were forced to become critical thinkers, re-inventors of urbanization and archetypes as we know them.

Metabolists like Kiyonori Kikutake first tested these ideas of “artificial ground” and “changeability” in the design of his own “Sky House” in 1958. Perched on a steep hill in northwest Tokyo, the house was initially designed as a single-story slab elevated by four tall concrete panels. Rather than locate the structure at the corners, these wide columns stand in the middle of each side, allowing the suspended volume to float over the landscape. The building was designed to evolve, and it provides flexibility for spatial arrangement with the possibility of future additions and renovation. In fact, the house had been built onto, renovated and reconfigured a total of seven times in almost 60 years since its first inception. As children were born, “move-nets” could



Kenzo Tange 1960 Plan for Tokyo



Kenzo Tange, A Plan for Tokyo (Bay) 1960-1961



Sky House by Kiyonori Kikutake – Japan 1958

be added to the underbelly of the slab and then later removed as the children grew. It was with this house that Kikutake and the Metabolists first explored the idea of a building that responds organically to its physical and programmatic demands. These concepts are what transcended scale and led to his series of futuristic urban projects, including “Tower-Shaped City” and “Marine City.”

At the urban scale, the leader of the movement, Kenzo Tange, had completed a plan for Tokyo in 1960, which may prove to be the most relevant prototype for resilient cities. Often described as “The Future City over the Sea,” Tange presented his vision of a “New Tokyo” through the reclamation of Tokyo Bay. A series of loops, elevated 30 kilometers above the sea, were interconnected via an elevated highway system. Starting by framing the existing city center of Tokyo, these links formed a linear network of infrastructure that expanded entirely across the bay, reaching the opposite shore in Chiba. The central links would contain a new civic center and a port, surrounded by bridge-like office buildings spanning from a grid of large towers. Arterial freeways emit from the central spine and connect to clusters of residential units that spread over the bay in the form of *irimoya*, the traditional form of a Japanese roof. Consistent with the concepts of the Sky House, these mega structures would serve as artificial grounds upon which residents could build their own houses.

Once we realize that we can detach and liberate our cities from the ground plane, the location of the edge or boundary becomes immaterial. Urbanization and development becomes limitless. We have the ability to change the social narrative on sea-level rise from one of fear to one of new opportunity and optimism. Adapting Metabolist principles and thinking radically about the future development of our city has never been more critical. ■



**PRINT SMARTER.**

Let us equip your office with the latest HP PageWide multifunction printer, allowing you to increase productivity and reduce costs.

- Scan in color
- Print in black & white or color at high speeds
- Lowest cost in the market

**THOMAS PRINTWORKS**

<b>MIAMI</b> 305-667-4149	<b>FORT LAUDERDALE</b> 954-525-0157	<b>CORAL GABLES</b> 305-461-3540
<b>ORLANDO</b> 407-647-3034	<b>WEST PALM BEACH</b> 561-802-3599	<b>WEB</b> <a href="http://ThomasPrintworks.com">ThomasPrintworks.com</a>

# 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](http://PattersonPope.com)



# In Memory



## Michael Lingerfelt, FAIA

Leader and Mentor

Michael Lingerfelt, FAIA, a champion of the profession, passed away on May 9, 2018. Lingerfelt served the profession at all levels, and made notable contributions to the public through his work with AIA and his extensive work with disaster relief assistance.

Lingerfelt received numerous awards and honors throughout his illustrious career. He was awarded the prestigious AIA Florida Gold Medal Award in 2014 for his profound and lasting impact in the field. In 2012, he was elevated to the College of Fellows. In 2011, he served as AIA Florida president. During his tenure, he defended the profession from threats to safe, essential practice and facilitated the passing of legislation that aligned Florida Building Codes with model codes for a safer, more consistent code and administration.

“Michael’s year as president was marked by his buoyant personality, his love of this organization and for the profession,” said Vicki Long, AE, Hon. AIA, executive vice president. “Calls and condolences have come from all across the country in an attestation to his lasting legacy.”

His prolific career spanned more than 30 years. As director of project architecture and engineering for Walt Disney Imagineering, he was the architect of record for the new Tomorrowland project at the Magic Kingdom theme park and Disney’s Animal Kingdom theme park projects — works that created experiences that were enjoyed by millions of people. He was also design manager for Marriott International, architectural lead for Darden Restaurants, and designed notable works such as Morimoto Asia at Disney Springs, and the Lion’s Pride Soccer Pub & Grill on Church Street for Orlando City Soccer and the Orlando Pride.

Nationally renowned for his work in disaster relief assistance and architectural disaster recovery, Lingerfelt played a



Michael Lingerfelt, FAIA, at the 2017 Design and Honor Awards. From left to right, Patrick Hoy, AIA; Michael Lingerfelt, FAIA; AIA Florida Exec. VP Vicki Long, CAE Hon. AIA; Donald Yoshino, FAIA; Trish Hickey-Jones; and Peter W. Jones, AIA

crucial role in leading the resiliency movement to design better communities. As a consultant at FEMA, he participated in training personnel in safety assessment. In Florida, he created a disaster response model that has been duplicated around the U.S. and abroad. He served as chair of the AIA Disaster Assistance Committee and was considered the heart of the Safety-Assessment Program (SAP). His advocacy for architects serving the public surrounding a disaster changed protocols nationwide.

Lingerfelt will also be remembered for his work in the community. He encouraged students to enter into the architectural design industry. Serving on the Valencia Foundation Board, he helped set up a

statewide architectural studies program partnership with the University of Central Florida and the University of Florida that is still active today.

Services were held on May 19 at the Downtown Baptist Church in Orlando. Condolences go out to his wife, Rebeca, and the many family and friends whose lives were touched by his work and dedication. A memorial scholarship has been established to support Student Leadership University, a cause dear to Lingerfelt. ■



# On the Boards



Tallahassee Orthopedic Clinic (TOC), Tallahassee, Florida  
EMI Architects (Elliott Marshall Innes), Tallahassee, Florida

TOC is one of the largest orthopedic practices in northwest Florida and a very forward-thinking client. EMI's design for the new clinic will provide 36,000 square feet of space to accommodate necessary additional resources. Working with doctors and medical staff, the project features a large, naturally lit, two-story reception area that acts as a connecting element that permits fluid movement into the medical wings on either side. Custom curtain wall expansion on the exterior will ensure that an abundant amount of natural light will be supplied to the interior. In particular, open spaces occupied by patients will receive maximum amounts of outside light. Additional exterior materials include a combination of ground-face concrete masonry units and limestone finished stucco.



Blowing Rocks Tower, Jupiter Island, Florida  
Hughes Umbanhowar Architects, Hobe Sound, Florida

A barrier island off the east coast of south Florida provides a unique setting for the planned Blowing Rocks Tower. The site the residential tower will occupy is surrounded by preserved land that provides a natural buffer from other structures on the north and south. Each wedge-shaped duplex provides occupants with unobstructed views of the ocean and the Intracoastal Waterway. Each unit will have dramatic folding walls that pivot and allow occupants to control the amount of light that enters the living spaces according to the sun's angle. ■



Proven and Intuitive BIM Software for Architects



**THORBURN ASSOCIATES**  
ACOUSTICAL, TECHNOLOGY,  
AND LIGHTING DESIGN

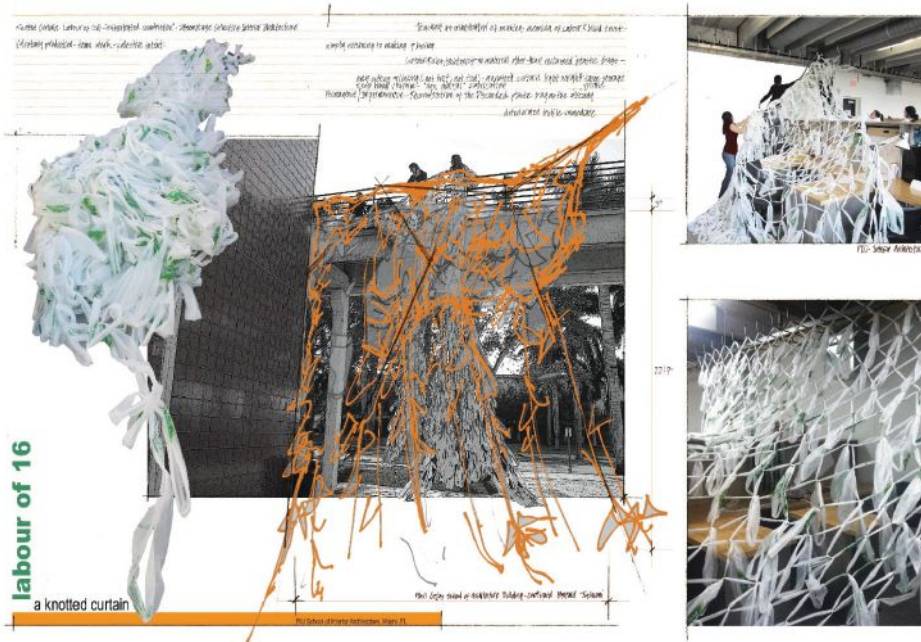
**Acoustical Consulting  
Technology Engineering  
Lighting Design  
WBE**

**(407)-898-5645 • www.TA-Inc.com**

SAN FRANCISCO • LOS ANGELES  
**ORLANDO** • CHARLOTTE • RALEIGH-DURHAM

# Architects and Their Art

Labour 16 | Mixed Media | Yaprak Markeset, Assoc. AIA



Yaprak Markeset, Assoc. AIA, created “Labour 16” as part of “Curtains,” a multi-site installation, exhibition and publication event designed by The Center for American Architecture & Design at the University of Texas at Austin. The goal of “Curtains” was to experiment with fabric as a vehicle for creating both space and experience. From this direction, “Labour 16” was born. By examining the reconstruction of a discarded object, the team created a curtain from disposed plastic bags using the studio cable trays as the loom.

## CONSTRUCTION COST CLARITY



ESTIMATING | PROJECT MANAGEMENT  
LEGAL SERVICES | MEP EXPERTISE  
ON-SITE INSPECTIONS | PROJECT AUDITS

For more than 20 years, WCCI has been recognized as an international construction cost estimating firm specializing in complex, large-scale commercial projects.

Our range and depth of expertise is paramount in the industry.

RESORTS & HOSPITALITY	HEALTHCARE	INTERNATIONAL
ENTERTAINMENT	MUNICIPALITY	COMMERCIAL
SPORTING	EDUCATION	INDUSTRIAL
RELIGIOUS	TRANSPORTATION	RESIDENTIAL



WillisEstimating.com 407.352.0107 2200 Lucien Way, Suite 204, Maitland, FL 32751

## WHY Florida/Caribbean ARCHITECT?

- Our members spend over \$30 million per year on **products and services**.
- Our members are responsible for more than **\$188 million annually** in prebid, bid-phase and post-bid projects.



Innovative  
PUBLISHING

844.423.7272

advertise@innovativepublishing.com  
www.innovativepublishing.com



**AIA**  
Florida

## Advertisers' Index

3DCADCO, Inc.....	33
AZEK Building Products.....	10
CGI Windows and Doors .....	36
Crawford-Tracey Corporation.....	35
Creative Contractors Inc.....	35
Digital Drafting Systems .....	10
Faour Glass Technologies .....	3
Hendrick Architectural.....	10
International Code Council .....	2
Layze Systems.....	7
Patterson Pope.....	31
Petersen Aluminum Corp.....	11
Thomas Printworks .....	31
Thorburn Associates .....	33
Willis Construction Consulting.....	34
YKK AP of America.....	9

**CURTAIN WALL • WINDOW WALL • ARCHITECTURAL WINDOWS**

**CRAWFORD-TRACEY CORPORATION**  
**CTO**

Memorial Hospital West - Pembroke Pines, FL | [www.crawfordtracey.com](http://www.crawfordtracey.com)

# Added Value

We always dig a little deeper.

Contact Josh Bomstein (727) 461-5522, [jbomstein@creativecontractors.com](mailto:jbomstein@creativecontractors.com)  
[www.creativecontractors.com](http://www.creativecontractors.com)

**CREATIVE CONTRACTORS INC.**

CGC060364

EDUCATION • HEALTHCARE • MUNICIPAL • COMMERCIAL • INDUSTRIAL • GREEN BUILDING

AIA Florida  
104 E. Jefferson St.  
Tallahassee, FL 32301

PRSR STD  
U.S. POSTAGE  
PAID  
MOS



INVENT. BUILD. DELIVER.

A photograph of a modern, multi-story house at dusk. The house has large glass windows and a balcony. A swimming pool is visible in the foreground, and a palm tree stands to the left. The sky is a mix of blue and orange from the setting sun.

SMARTER.  
SAFER.  
STRONGER.



CUSTOM WINDOWS + DOORS



The PGT Innovations family of brands—CGI®, PGT® Custom Windows + Doors, and WinDoor®—pushes the boundaries of engineering to deliver the future of impact-resistant windows and doors. We work every day to develop smarter, safer, and stronger ways to protect homes and families through the next big storm.

Learn more at [pgtinnovations.com](http://pgtinnovations.com)

“WE INVENT,  
WE BUILD,  
WE DELIVER  
FOR YOU.”

JEFF JACKSON  
CEO AND PRESIDENT

