VANDERWEIL

Winter 2015

NEWS

Atlanta, GA
Boston, MA
Los Angeles, CA
New York, NY
Philadelphia, PA
Princeton, NJ
Syracuse, NY
Washington, DC

Frostburg State University, Center for Communications and Information Technology, Frostburg, MD

IN THE NEWS

Penn State University Career Fair
Vanderweil was among 129 companies that attended the 21st Annual Architectural Engineering Career Fair at the Bryce Jordan Center at Penn State University. This event is the largest AE Career Fair in the United States. Mike Kennedy and Patrick Murphy were present to represent Vanderweil and meet/interview potential engineering candidates.

Mike Kennedy and Patrick Murphy speaking with Chimay J. Anumba, Department Head & Professor of Architectural Engineering at PSU

Toys for Tots Christmas Drive
The Alexandria, Boston, and Princeton offices participated in this years Toys for Tots Christmas drive. This year Toys for Tots is hoping to collect toys for 7 million children in the United States. Thank you to all who helped make a child's Christmas wishes come true.

Award of Merit
Vanderweil has received an Award of Merit for Old Dominion University, Diehn II & Monarch Theater, Norfolk, Virginia. The project was awarded The Best Educational Building on October 4, 2014. This award was presented by Hampton Roads Association for Commercial Real Estate. Congratulations to all of those who were members of the team.

Continued on page 2

PROJECT HIGHLIGHT

LG Science Park
Vanderweil is currently working with HOK on the LG Group's Science Park located in Seoul, South Korea. This past November HOK unveiled the design and broke ground on the 11.8 million sf research and science campus.

The LG Science Park will be the largest research complex in western Seoul and will provide facilities to "support innovative research and industrial prototyping." When it is complete, this series of buildings will hold 10 different LG business groups.

LG Science Park campus is designed to include flexible laboratories for a host of sciences. The master plan includes a public greenway that dissects the site from north to south and also connects the campus to a public park. There will also be a park running from east to west. In the center of the campus there will be a welcome center, LG exhibition, conference space, sports and recreation facilities, a nursery, a VIP suite, and offices.

This project is seeking LEED Platinum certification and includes self-shading facades, algae panel, footfall harvesting, photovoltaic panels, vegetated roofs, and ground-source heat pumps.

LG Life Sciences, Science Park, Seoul, South Korea

PROJECT WINS

BOSTON OFFICE

City & County of San Francisco Department of Public Works
Teaming with HOK on a new facility to house the San Francisco Police Department Traffic Company & Forensic Services Division. This facility for the traffic department includes the integration of a secure facility for the handling and processing forensic evidence.

Confidential Client: Laboratory & Office Buildings
Working with HOK on the design of two new buildings located in Foster City, CA that include 160,000 sf of office and laboratory space as well as 40,000 gsf of amenities space.

Copley Place: Chiller Plant Replacement
Working with Elkus Manfredi on the Copley Place chiller plant design upgrade in Boston, MA that includes four new chillers, four new chilled water pumps, modifications to primary and secondary piping, and reuse of existing cooling tower.

NEW YORK OFFICE

Joseph Brant Hospital: Phase 3 Design
Collaborating with Parkins Association on the construction and renovation of Joseph Brant Hospital for this design competition sponsored by Ontario's Province that includes 450,000 sf of new construction, 150,000 sf of renovations and a new central utility plant.

North Shore-LIJ Health System: Oyster Bay Interior Renovations
Teaming with Mitchell Architectural Group on the renovation of an existing warehouse/ distribution center into a medical facility. This project includes centralized clinical services, sterile processing operations, and central pharmacy operations.

PRINCETON OFFICE

Rowan University/Rutgers-Camden: Health Sciences Building
Partnering with HOK to develop a new 100,000 sf health sciences building in Camden, NJ that will be designed to promote collaboration among a distinctive mix of researchers, mathematicians, computer scientists, and clinical investigators at a single site.

The Richard Stockton College of New Jersey: Unified Science Building II
Teaming with Perkins Eastman on a new 54,000 sf science building that includes labs, offices, classrooms, vivarium, and cadaver labs.

New Jersey Institute of Technology (NJIT): Integrated Life Science and Engineering Laboratory Building
Working with NK Architects on the addition and renovation of the bio-wet laboratories that includes the installation of modern communication systems and important research instrumentation and laboratory equipment.

ALEXANDRIA OFFICE

U.S. General Services Administration: Phase 2 of the Consolidation of the U.S. Department of Homeland Security
Collaborating with Shalom Baranes Associates on this design-build project for the DHS Headquarters Building located on the campus of St. Elizabeth's, a National Historic Landmark in Washington, DC. This project includes architectural, engineering, historic preservation, construction, security, commissioning, and other related services to construct/renovate the building.

United Medical Center: Operating Suites Renovation
Providing mechanical and electrical upgrades with RSg to United Medical's operating suites HVAC systems located in Washington, DC. Upgrades include new HVAC systems, electrical power distribution upgrades, medical compressed air, medical vacuum, waste anesthetic, and nitrogen gas upgrades.

Fannie Mae: New Corporate Headquarters
Working with HKS on a 700,000 sf "consolidated headquarters" building/complex in Washington, DC; the project is divided into two phases. The first phase includes programming and project direction analysis services - a due-diligence analysis of the MEP systems for five existing buildings as well as the analysis of three proposed sites/building designs. Phase two involves the consolidation of their signature building into operations of five primary facilities. The facility will be designed for a minimum of LEED® Plus certification.

PHILADELPHIA OFFICE

Clara Maass Medical Center: CLM Surgical Expansion
Working with EwingCole on the surgical expansion that includes renovating the surgical suite services, controls, staff locker rooms and lounge, family waiting and pre-OP holding areas. The renovation will also accommodate four operating rooms, sterile supply, equipment storage, anesthesia office, work room, and soiled work room.

The Woodlynde School: Renovation and Additions
Teaming with Bohlin Cywinski Jackson on the renovation and additions for the Woodlynde School located in Strattford, PA. The project includes 25,000 gsf new classrooms, an auditorium, and a gymnasium.

TRANSMISSION & DISTRIBUTION

Plainridge Park Substation
New modular integrated transportable substation (MITS) located in Plainville, MA to serve the new slot parlor facility. Consists of two skids: a transformer skid 23kV/13.8kV and a recloser and voltage regulator skid to serve the load.

Robinson Ave Substation Upgrade
Replacing four 115kV breakers, nine 115kV disconnect switches, new 115kV current and voltage transformers and the addition of relay and control panels to the control house.

Biogen Idec, 225 Binney Street, Cambridge, MA

University of Southern California, Michelson Center for Covergent Bioscience, Los Angeles, CA

SUSTAINABILITY SUCCESS

The Largest Celebratory Gathering of LEED Project Teams in Massachusetts

Grey Lee, USGBC Massachusetts Director and Alana Spencer

The LEED Project Showcase is an annual event that highlights all of the previous year's LEED certified buildings, recognizes their achievements, and celebrates these sustainability projects with peers.

According to the United States Green Building Council (USGBC), Massachusetts Chapter, "Each year, thousands of professionals are involved in the design, construction and operations of green buildings in Massachusetts. The LEED Project Showcase is an innovative way to recognize the hard-earned achievement that LEED Certification signifies. This gathering is a chance to feature the successes and the lessons learned that these buildings represent, and a chance to re-connect with peers in the trade."

Alana Spencer, LEED Facilitator within Vanderweil's Green Integration Group, has been actively involved in the local LEED and sustainability movement serving as a volunteer on the Events Committee with the USGBC, Massachusetts Chapter.

The first program Alana became involved with under the Events Committee was the LEED Project Showcase. This year's event, which was held on September 30, 2014, attracted over 130 attendees whose companies represented more than 50% of the state's LEED projects from 2013. Alana was the evening's video interviewer and had the opportunity to speak with several event sponsors including National Grid, Suffolk Construction, and Brightworks Sustainability. Some of the topics of discussion included upcoming energy incentive programs, E+ (E Positive), resiliency, and Passivhaus.

It is interesting to note that Vanderweil was the only MEP engineering firm that attended this event. We are appreciative of Alana's involvement and the good will her presence gave Vanderweil. The overall night was a great success.

DisruptCRE Boston "Where Technology and Commercial Real Estate Collide"

Suzanne Robinson, Director of Sustainability, participated in the event DisruptCRE held on October 16, 2014 at District Hall in Boston, MA. This event was "a first-of-its-kind commercial real estate / technology event designed to connect disruptive ideas with capital and commercial real estate professionals." The goal of the organization is to be a catalyst of change through the merge of a built environment with technological innovation.

Suzanne was part of a three person panel that lead a discussion entitled: "The Science of Building Systems". The panel discussed the science and new technology behind changes in design, development, and functionality of buildings. The moderator, Gary Lee, USGBC Massachusetts Director, asked them an assortment of questions geared to make attendees think about the impact of what they are doing right now and where it will lead them in the future. Once the discussion concluded, the panelists were asked to participate in an interview which DisruptCRE will use to distribute to radio shows and post on iTunes. The interviews can also be found on the group's YouTube page. To hear Suzanne's complete interview go to: https://www.youtube.com/watch?v=tocPH9A1slk.

Learn more at LEED@vanderweil.com

YOUNG PROFESSIONAL SPOTLIGHT

JUSTIN CHIERA

Office Location
Syracuse, New York

Joined Vanderweil
December 2012

Education
Syracuse University, B.S. Civil Engineering, 2012

Department/Responsibilities
Transmission & Distribution Group: responsibilities include project engineering, generating plot/site plans, steel structure and foundation detail drawings, construction specifications, designing steel support structures and concrete foundations, performing engineering calculations, and acting as liaison between civil subcontractors and clients.

Where Did You Grow Up?
Syracuse, New York

Hobbies
Huge kickball enthusiast, softball, home renovations, and ballroom dancing (even though I am terrible at it)

Professional Aspirations

To continue to learn more about all aspects of substation and transmission engineering, work toward my PE license, and progress into more advanced leadership roles.

Fun Facts
I am the Syracuse University tour guide, mini golf champion, 2-time kickball champion, and an avid fantasy football fanatic. I am a diehard New York Yankees and Buffalo Bills fan. I go on a random road trip with a longtime friend every summer. So far the trips have included Chicago, Washington, DC, Nashville, and Memphis.

Last Book Read
The Opposite of Loneliness (Essays and Stories) by Marina Keegan

IN THE NEWS

Continued from page 1

Duke University Environmental Hall, Durham, NC

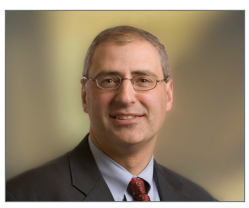
ENR Southeast Best Projects 2014
Vanderweil received an award for Duke University's Environmental Hall under the category Best Green Building presented by ENR magazine's Southeast Best Projects. The award was given at ENR's 14th Annual project excellence program held on November 11, 2014 in Orlando, Florida.

First Friday Project Spotlights
Starting in January 2015, the Boston office will host a monthly event called *First Friday Project Spotlight.* Complete your work early and come join your Vanderweil colleagues for a brief project presentation accompanied by snacks and camaraderie the first Friday of every month!

NOAA Center for Weather and Climate Prediction

AIA Virginia Design Awards
Vanderweil served on the HOK team that was awarded two AIA Virginia Design awards. The NOAA Center for Weather and Climate Prediction, a 268,000 sf project that achieved LEED®-NC Gold, won the Architect Honor Award. The other project, the DC Consolidated Laboratory in Washington DC, a 351,000 sf project, achieved LEED®-NC Platinum and was awarded an Architecture Merit Award.

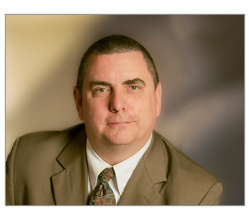
Tradeline 26th Annual Animal Research Facilities Conference 2014
Mike Walsh co-presented with Jeff Zynda of Payette at the Tradeline Animal Research Facilities Conference 2014 on November 19, 2014. They taught a six-session class entitled "Fundamentals of Planning and Design of Animal Labs and MEP Systems".



John Saad, LEED AP, HFDP

US Army Corps of Engineers, Middle East District, TAM Industry Day
John Saad participated in the Middle East District Industry Day held on October 16, 2014. The event provided information about the Corps' Middle East District's mission and future contract opportunities.

Boston Preservation Alliance Awards
The Boston Preservation Alliance held its annual award ceremony on October 24, 2014 honoring companies for work they have done throughout the City of Boston. Vanderweil was a recipient of the "Fan Favorite" award for the LogMeIn Headquarters on the South Boston Waterfront based on 10,000 votes submitted online.



Michael Walsh , PE, LEED AP

International Institute for Sustainable Laboratories (I2SL) National Conference 2014
Mike Walsh co-presented with Tim O'Connell from HOK at the I2SL National Conference held on September 24, 2014. They presented a case study of the DC Consolidated Forensic Laboratory titled "Sustainability and Energy Efficiency for High-Containment Government Labs." The presentation identified the high performance features of the facility including external automated shading, multiple heat recovery systems and an internal heat shift chiller along with the actual energy performance after one year of operation.