



THE SOCIETY OF AMERICAN MILITARY ENGINEERS

ARCHITECTURAL PRACTICE COMMITTEE NEWSLETTER

REBUILDING: U.S. NAVY'S ONLY **BOOT CAMP**

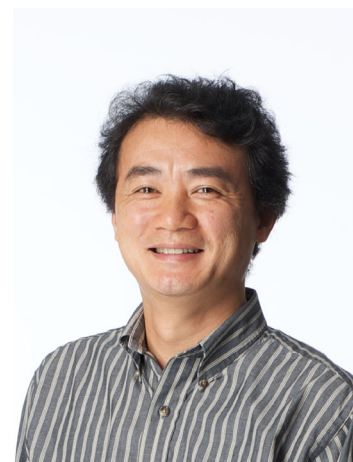
The Navy's \$800 million, a decade-long recapitalization program at the sole recruit training base for the entire US Navy - RTC, Great Lakes Naval Station in Illinois came to a successful conclusion in 2011. It modernizes its recruit training infrastructure, replacing prior 1960s-era buildings with state-of-the-art facilities to meet the mission of training 21st-century sailors. The recapitalization program included a master plan for RTC three campuses -Camp John Paul Jones, Camp

Moffett, and Camp Porter, utilized a design-build strategy to complete all 13 integrated training/housing facilities, drill halls, battles station 21, and established the Quarterdeck of the Navy theme for the Recruit Training Command.

Prototype Integrated Training/Housing facilities

This decade-long recapitalization program all started with the development of a prototype of the most efficient training/housing facilities for the Navy in 2000. The answer to this challenge is to combine recruit training, education, berthing, and dining, all under one roof, fully immersing the new recruits into Navy life – “land base ships” became the design concept. This design concept for recruit training is a radical departure from previous approaches where basic training took place in different building types and at different locations.

Each training/housing building encompasses 172,000 SF and accommodates 1,056 recruits and has three main components: a three-story open bay sleeping quarter, multipurpose rooms for physical training on one side; a two-story quarterdeck comprising of two entry lobbies, one large ceremonial gathering space and administrative spaces in the middle; a two-story education/dining building on the other side (Photo 1). This education/dining building has a large galley for 1,000 recruits on the first floor with two 100-person computer learning centers and two 200-person classrooms (Photo 2) on the second floor.



JJ Tang, AIA
APC Committee Chair



PHOTO 1. Training and Housing Prototype.

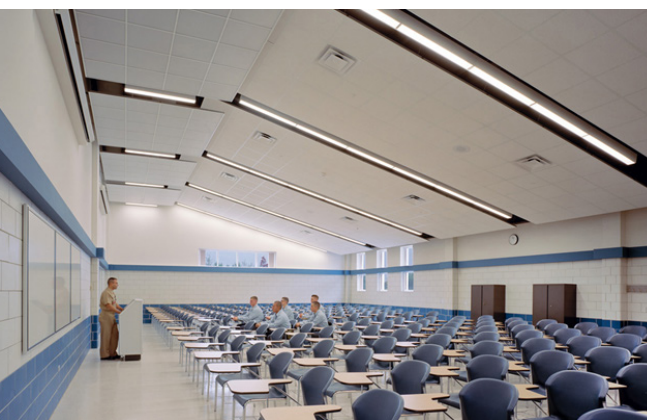


PHOTO 2. 200-person Classroom.

INSIDE

Member News	6
Collaboration with AIA	9
Happy Anniversary	10
Contacts	16

FROM THE COMMITTEE



David A. Packard, R.A., PMP
Communications Vice Chair

SAME Joint Engineer Training Conferences are a great place to meet new people, get reacquainted with old friends, and exchange war stories. This year was no exception. I had the great pleasure to play the role of moderator for the Urbahn Medal Recipient Lecture which made me think of the diversity this profession has to offer. Charles Enos, EYP Architecture and Engineering, was this year's recipient of the Urbahn Medal and his presentation included three case studies that demonstrated the challenge of utilizing design principles to maximize sustainability in renovation projects. The success of his projects required integration of engineering and architectural design within existing fabric in historic and non-historic structures. Phased construction schedules were developed to allow the buildings to be renovated while occupied. As the leader of a project delivery team that included as stakeholders the multiple agencies housed within the existing structures, a landlord (GSA), contractors and suppliers, regulatory agencies, members of the design team, and the public, Charles' abilities to balance the interests of this diverse group were key to the success of his projects.

After Charles' presentation, the APC had the unique opportunity to visit the Magic Kingdom at Walt Disney World, guided by WDW Architect Steve Grant and Public Affairs representative Diego Parras. Steve shared some great stories about the planning, design, and construction of several new attractions in the park, including project execution in an active (to say the least) environment. While design at WDW may not be your

cup of tea or "architecture" as we might know it, all the problem-solving elements of the profession are indeed present. They include everything from contextual design to life safety and security, and included a huge dose of functional details that must stand the rigor of round the clock operations. Sustainability must be balanced with the seamless park experience. Art and technology work hand-in-hand.

As architects we are asked to play many roles during the course of our careers, many of which we have not been formally trained to do. We may not have the choice of the roles we are expected to play during any specific project. Nonetheless, we HAVE been trained to adapt and use the principles of leadership, integration, and facilitation to guide teams toward successful project execution. It is a little like jumping rope with some team members spinning the rope and others jumping with you... communication, timing, and abilities are essential.

Many of us graduated from colleges and universities with degrees in architecture without giving much thought to the careers ahead of us. My experience can't have been much different than others...I would take my degree and my portfolio to the streets hoping to find a position as a designer in an architectural firm. Maybe that was a product of my generation, but I suspect little has changed since those days a few decades ago. I know was surprised recently when we visited a university with my son, who was interested in robotics. When I attended college, the engineering curriculum included each of the basic engineering disciplines... Civil, Structural, Mechanical, Electrical,

W E L C O M E L E T T E R

Chemical, etc. He now has the choice to pursue robotics through either the Mechanical Engineering or Electronics Engineering programs. In fact, each discipline now contains as many as a dozen separate and specialized career tracks from which to choose.

SAME has exposed me to a similar diversity of professional career tracks. At the 2014 JETC, I met Jacinda Collins, P.E., LEED Green Assoc. with the American Institute of Steel Construction (AISC). Jacinda graduated from the University of Texas as an Architectural Engineer and worked her way to licensure. Her initial experience at HDR Engineering involved structural forensics, a great “foundation” for her professional career. Understanding the failures of design and construction can be a great way to learn the “right way” to approach building systems. Her current responsibilities allow her to communicate information that can be used by designers with a focus on building methods before construction even begins, advocating for the quality we all desire.

When I left school, the building industry was in shambles, with double digit interest rates in the mortgage industry. My path has been anything but straight, working in bicycle shops,

driving trucks, construction and finally, my first job as a Historical Architect for the National Park Service. Ultimately, I left NPS to join the private sector and worked long hours for little pay until it occurred to me that more education was needed. Graduate school was a pleasure and it allowed me to continue my professional development in private industry including licensure. Later, I was hired by the U.S. Army Corps of Engineers, where the diversity of project roles tested my adaptability again...design for every imaginable building type from latrines to missile silos, project management, real estate disposal, environmental remediation, systems engineering, and program management. In fact, I don't have to look far to see architects, architectural engineers, and landscape architects working well outside the traditional design professional's career track (if that even exists...although I also know many who HAVE had that experience, as well).

I'm not sure what I expected when I started, but I wouldn't trade the diversity of experience, to which this profession has led me, for anything. What's your story?

A handwritten signature in black ink that reads "dave". The signature is written in a cursive, lowercase style and is followed by a long, sweeping horizontal line that extends to the right.

QUARTERLY CONFERENCE CALL

The Architectural Practice Committee will host a quarterly conference call on **Wednesday, July 23, 2014 from 12:00 – 1:15 pm EST.** Video conference call-in number: For web connection, go to: <https://www.spiderphone.com/05698937> (This link will help connect both your browser) and dial +1 212-812-2800 and enter 0569 8937 for phone connection.

Time: 12:00 pm to 1:15 pm, Eastern Standard Time; 11:00 am to 12:15 pm, Central Standard Time; 10:00 am to 11:15 am Mountain Standard Time; 9:00 am to 10:15 am, Pacific Standard Time; 8:00 am to 9:15 am, Alaska Standard Time; 7:00 am to 8:15 am, Hawaii Standard Time.

The agenda includes a committee focus area initiatives update, 1 AIA LU/HSW/SD credited presentation, and open discussion. The AIA credited presentation will be given by **Ben Moore, AICP, LEED AP O+M**, titled **“Bird in Hand: Getting the Most Out of Existing Buildings.”**

Ben summarizes his presentation as follows:

“A bird in hand is better than two in the bush.” This proverb is often understood to mean that a dollar today is worth more than two dollars in the future. Its origin in medieval falconry reveals a deeper meaning relevant to owners and operators of facilities. In falconry, a bird of prey is trained to hunt. The outlay of time and effort to train the raptor is significant. However, the result is an extremely efficient system for meeting critical needs.

Investing in high-performance existing buildings is similar. Efficient, well managed existing buildings can lead to continual opportunities to save

money, boost productivity and even generate revenue.”

Ben Moore is an Energy and Environmental Planner with Reynolds, Smith and Hills (RS&H). As a member of RS&H’s Energy and Sustainability Service Groups, Mr. Moore manages projects related to resource conservation strategies, high performance and sustainable buildings and sustainable organization management. He was a contributing author to “The Convenient Guide to Climate Change Policy & Technology,” published by the Nicholas Institute for Environmental Policy Solutions and co-author of “Re/Retro-commissioning: The Best-kept Secret You Can’t Afford Not to Know,” published in Strategic Planning for Energy & the Environment and “Policy to Process: Miami-Dade’s Sustainable Buildings Program” published in the Proceedings of the World Energy Engineering Conference.

Ben has served on the Board of Directors of the U.S. Green Building Council North Florida Chapter since 2010. He is currently Board Chair, 2013-2014. Ben is a Certified Planner accredited by the American Planning Association’s professional institute and a LEED Accredited Professional with an Operations and Maintenance specialty credential maintained through the Green Building Certification Institute. He holds a Masters of Environmental Management in Environmental Economics and Policy from Duke University with a certificate in Energy and the Environment and a bachelor’s degree from Haverford College.

LAST QUARTERLY CALL



JJ Tang, APC Chair, opened the Quarterly Call on April 23 with a welcome, introductions, and a review of the APC Mission Statement and Organizational Structure Review. He announced the name of this year's Urbahn Medal Recipient,



Uniform Design by Cecil B. Demille

Charles Enos, AIA, EYP and the recipient of the 2013 SAME Appreciation Award to David Thompson, FAIA. Both were recognized at the 2014 JETC in Orlando in May.

In review, he recognized the contributions of Service Branch Liaisons and welcomed a new Air Force Liaison, Gene Mesick, Air Force Regional Civil Engineer Center (AFCEC). Scott Lester is now the architectural liaison coordinator, encouraging quality architectural programs in major SAME Posts. Collaboration with the American Institute of Architects (AIA) continues with a Memorandum of agreement near completion. Two SAME Continuing Education Webinars were scheduled including: How to implement the new

UFC 4-010-01 on AFTP in June and BIM Lessons-Learned on DoD projects in October. We continue to update the APC webpage at same.org/apc adding webinar documents and these quarterly newsletters as they are published. We previewed the very successful APC sessions at JETC (described elsewhere in this document).

Professor Jim Pocock, R.A., U.S. Air Force Academy provided a presentation titled "Design and Construction of the US Air Force Academy."

Professor Pocock's presentation chronicled the development of the design concepts and described the sources of inspiration and selection process for designers hoping to participate in the design and development of the site and facilities. Ultimately Skidmore, Owings & Merrill were awarded a contract in July 1954 overseen by Eero Saarinen. Other key team members included Ansel Adams (photography...what else?), Dan Kiley (landscape architecture), Walter Teague (interior and industrial design), and Cecil B. DeMille (uniform design). A discussion of the Cadet Area Master Plan and the controversy surrounding the Academy added much interest to this great presentation. The entire slide deck and a recorded presentation are available at same.org/apc.

MEMBER NEWS



David Thompson, FAIA
2014 APC Appreciation Award

First SAME National Committee Appreciation Award to David Thompson, FAIA

For the first time, in association with SAME national JETC conference, SAME established a national committee appreciation award, awarded to one individual of each SAME mission focused national committee. This year the Architectural Practice Committee awarded its first appreciation award to David Thompson, FAIA, for his important contribution and leadership in the establishment of SAME Urbahn Medal Group and subsequently the SAME Architectural Practice Committee in

2012. As a recipient himself of SAME Urbahn Medal awarded to one SAME architect annually, he spent great amount of time doing research and documenting the history of SAME Urbahn Medal, Max O Urbahn after whom the medal named, and past award recipients. His effort resulted in an article of Urbahn Medal History published in the first issue of Architectural Practice Committee Newsletter. He also served as a juror in the 2013 Urbahn Medal Selection Committee.

Please join me in congratulating David Thompson for this award.

- JJ Tang

SERVICE BRANCH LIAISONS

Three APC Service Branch Liaisons have been identified to advise the committee on initiatives benefiting service branch architects and to assist in communications between service branch architects and SAME. The Service Branch Liaisons are listed below.

These liaisons have been informing their communities on the opportunity

for participation by architects in SAME training activities and are communicating information about professional and career development opportunities within their ranks. Please do not hesitate to contact them and express your topical interests. Join the dialogue!

Branch	Name	Email
Army	Ed Gauvreau, USACE HQ	edmond.g.gauvreau@usace.army.mil
Navy	Kathleen Reid, NAVFAC Atlantic	kathleen.o.reid@navy.mil
Air Force	Gene Mesick, AFCEC	gene.mesick@us.af.mil

ARCHITECTURAL LIAISONS

SAME Architectural liaisons help coordinate architectural programs within their local SAME post as well as coordinating shared programs between SAME and local architectural organizations (such as American Institute of Architect chapters, architectural schools, Boy/Girl Scout Architectural troops, local high school programs, etc.).

Scott Leister is now the APC Architectural Liaison Coordinator. If you are interested in becoming a SAME Architectural Liaison, please contact Scott for more information: richard.leister@us.af.mil

SAME Architectural Liaison teleconferences are held regularly. If you're interested in participating, please contact [Scott Leister](#).

Post	Name	Email	Company
Alaska	Harley Hightower, FAIA	hhh@gci.net	Harley Hightower
Albuquerque	Roger Basarich	roger.basarich@merrick.com	Merrick & Company
Baltimore	Bill McCarthy	bmccarthy@rtkl.com	RTKL
Dallas	Laura Lavelle	Laura.Lavelle@jacobs.com	Jacobs
Denver	Joe Cruz, AIA, NCARB	joe@ihamail.com	Iron Horse Architects
Hampton Roads	Richard Corner	RichardC@hbaonline.com	HBA Architecture & Interior Design, Inc.
Kentuckianna	Luke Leising	luke@guidondesign.com	Guidon Design
Kittyhawk	Drew Titone	Drew.Titone@Woolpert.com	Woolpert
Lake Michigan	MaryAnn O'Hara	Maryanno@fgmarchitects.com	FGM Architects
Las Vegas	Monica Gresser	mgresser@brazenarchitecture.com	Brazen Architecture
Missouri (Whiteman & Kansas City)	Matthew Turner	mtturner@yainc.com	YAEGER ARCHITECTURE
New York City	Suzanne DiGeronimo, FAIA	sdigeronimo@digeronimo-pc.com	DiGERONIMO ARCHITECTS
Northern Virginia	William Santer, AIA	wjs@samaha-arch.com	SAMAHA
Omaha	Robert Hailey, Lt Col AIA, LEED GA	rhailey@hdrinc.com	HDR
Pensacola	Yvonne Lee, Assoc AIA	ylee@stoaarchitects.com	STOA Architects
Pikes Peak	Jim Pocock	James.Pocock@usafa.edu	USAF Academy
Portland	Mark Gillem	mark@urbancollaborative.com	The Urban Collaborative
Seattle	Scott Harm	sharm@belayarchitecture.com	Belay Architecture
St. Louis	Bill Albinson	albinson@teamfourstl.com	TeamFour/Saur
Tampa	Steve Tozer	Steven.Tozer@hdrinc.com	HDR
European Region SAME (Rhein Main, Kaiserslautern, Naples, UK)	Sandra Zettersten, AIA, Dipl.-Ing. Architektin, FSAME	SZettersten@BH-BA.com	Buchart-Horn GmbH

UPCOMING CONFERENCES

AUGUST 2014

Post Leaders Workshop

August 4-6, Embassy Suites Alexandria Hotel (Alexandria, VA)

Sacramento Post Training And Business Opportunities Symposium

August 12-13, Lion's Gate Hotel (Sacramento, CA)

San Antonio Post Small Business Market Research Fair

August 13-15, Omni San Antonio Hotel at the Colonnade (San Antonio, TX)

SAME/DBIA Federal Project Delivery Symposium

August 19-21, Omni Shoreham Hotel (Washington DC)

Missouri River and TEXOMA JETS

August 26-28, Ft. Leonard Wood, MO

OCTOBER 2014

Hawaii Engineer Training Workshop

October 7-8, Historic Hickam Officers Club, (Honolulu, HI)

DBIA Conference & Expo

October 6-8, Sheraton Dallas Hotel (Dallas, TX)

Midwest Levees & Rivers Technical Exchange

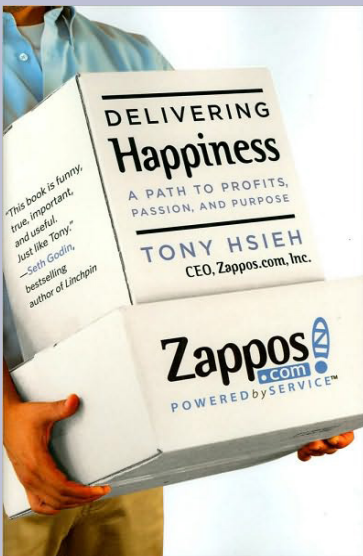
October 17-29, Chase Park Plaza (St. Louis, MO)

For more information on upcoming SAME events, please visit:

<http://www.same.org/index.php/events/calendar-of-events>

ARCHITECTURAL BOOK REVIEW

Delivering Happiness by Tony Hsieh



In *Delivering Happiness*, Zappos CEO Tony Hsieh shares the lessons he has learned from starting a worm farm to running a pizza business through LinkExchange and Zappos. Tony Hsieh was the last keynote speaker at the AIA Convention in Chicago in June 2014. What struck me about his presentation was how his firm, which is based on the old town part of Las Vegas, reaches out to the local community to create a community environment – similar to that discussed by Richard Florida. Tony saw how a sense of community was important for his business and attracting employees. Tony's firm helped Las Vegas renovate streets, created public gathering events, and helped start small businesses to ensure the small town feel of community stayed in old Las Vegas. This benefitted his firm and Las Vegas. An inspiring model to read about and emulate. Have a good read!

- Paula Loomis, FAIA

CHICAGO!

AIA Convention 2014 June 26–28 Chicago

2014 Public Architects Workshop – AIA National Convention 25 June 2014, Chicago, IL

by Edmond G. Gauvreau, AIA, M.S.A.M.E.

Against the back-drop of The Windy City, the American Institute of Architects (AIA) held its National Convention on 25–28 June. Over 22,000 architects, vendors and associated professionals filled the halls of McCormick Place to attend various seminars, presentations and exhibits of the latest trends and products.

On 25 June, the Public Architects Knowledge Community (PAKC) held its annual Public Architects Workshop. Ed Gauvreau, AIA, M.S.A.M.E., Chief of Planning Branch, Installation Support Division, HQUSACE, chaired the overall effort for the Workshop. Several changes were made to the format from years past – splitting the former all-day inclusive workshop into two half-day workshops, open to all architects; using the AIA’s format for presenters; inclusion in the peer review process to compete against all proposals for educational sessions. In all, the changes were well received and resulted in over 60 attendees at each session.

The morning session featured

four speakers who spearheaded initiatives within government agencies, focusing on master planning, sustainability, project delivery, and building coalitions to create better environments. Mark Gillem, PhD, FAIA, ACIP, of The Urban Collaborative, Eugene, OR, led off with a discussion of his work with USACE and DoD to develop new installation planning guidance and standards, codified in UFC 2-100-01, “Installation Master Planning”, issued in 2012 and subsequently implemented by OSD in 2013. By using examples of current projects at US Army Garrison – Hawaii, Joint Base Lewis McChord, Miramar Marine Corps Air Station, and Fort Hood, Gillem demonstrated how using traditional town planning patterns combined with sound sustainability principles are creating master plans that over time will reduce energy usage, improve overall health of soldiers and their families, and re-create true communities within our military installations.

Lyndsey Pruitt, AIA, HQUSACE, followed with an overview of her USACE 2030 project to develop a net-zero military installation plan. She led a multi-discipline team of young USACE professionals from across the country and overseas

to develop a installation master plan for Fort Leonard Wood, MO, encompassing many attributes that would result in net zero water usage, net zero energy and net zero waste. The project was entered into the Holcim Competition in 2011, winning a award for best entry from a public agency.

Susan Goldberg, AIA, presented an overview of the redevelopment of the Broadwalk in Hollywood, FL – the ocean front pedestrian corridor that had fallen into disuse. A combination of public and private efforts have re-created a destination pedestrian/bicycle way that draws tourists and residents alike, spurring

AIA Public Architects Committee

The Public Architects Committee promotes excellence in public architecture and enhances the role of the public architect as an essential element in the planning, design, construction, and management of public facilities.

Earliest recollections reveal that the PAKC can be traced back to the 1950s. However, it was not until the late 1980s that the AIA Board of Directors decided to maintain the committee as an official Knowledge Community. In 2000, at the AIA National Convention in Philadelphia, the PAKC held their first public architects training workshop.

*For more information visit:
www.aia.org/pa*

HAPPY ANNIVERSARY

SAME ARCHITECTURAL PRACTICE COMMITTEE @ 2014 JETC

The Architectural Practice Committee (APC) celebrated its first anniversary during the 2014 Joint Engineer Training Conference (JETC) held in Orlando, Florida May 20-23, 2014. The APC hosted two Concurrent Education Sessions during the conference. The first, held on Wednesday, May 21, titled “2013 SAME Urbahn Medal Recipient Lecture” was moderated by David Packard, APC Vice Chair for Communications. An update to APC initiatives by APC Chair, JJ Tang was followed with a feature presentation by Mr. Charles Enos, AIA, LEED AP, Principal, EYP Architecture & Engineering PC, recipient of the 2013 Urbahn Medal. His presentation is titled “Sustainable Design in Renovation – Case Studies” and available at http://www.same.org/images/Documents/APC_Enos.pdf. The presentation followed the development of sustainable designs for three existing federally-owned structures, demonstrating designers’ challenges to achieve LEED NC criteria within the limits of existing and historically significant buildings. The work was the basis of his award.

Ed Gauvreau, AIA, is the Vice-Chair, AIA Public Architects Advisory Group and the Army’s Service Branch Liaison to the Architecture Practice Committee. His presentation focused on the great architectural design work being done by public agency architects in a presentation titled, “AIA Public Architects Knowledge Community”.

A second Concurrent Education Session was held on Thursday, May 22, and moderated by APC Chair, JJ Tang. The session, titled “DoD

Facility Design & Construction Strategic Focus and Direction”, explored facility design and construction from the perspectives of chief architects of the Air Force (Gene Mesick, R.A., AFCEC), the Navy (Ray Rodriguez, NCARB+GGP, LEED AP, NAVFAC Southeast), and the Army (Scott Wick, AIA, LEED AP, PMP, HQUSACE). The dialogue that resulted from the session yielded valuable feedback to the agencies from public agency and private sector architects.

Members and spouses of the Architectural Practice Committee, along with 2013-2014 SAME President Gary Engle and his wife, gathered for a very special social outing, hosted by Charles Enos. The group was treated to a tour of several new attractions which recently opened at Walt Disney World’s Magic Kingdom, guided by Steve Grant, WDW Architect,

and Diego Parras, WDW Office of Public Affairs. Their enthusiastic presentation included detailed descriptions of the challenges facing WDW design and construction teams as they completed work on new attractions within the WDW operating environment. Attention to design details with extreme operational demands (around the clock operation, high density public safety, and contextual design) can present special challenges to the WDW Imagineering team. The planning, programming, and construction they do sets the Disney experience apart from similar theme park experiences and the enthusiasm modeled by our hosts was infectious, to say the least! Afterward, the APC retired to a local Japanese steakhouse for a delightful rest at the end of a long, but gratifying day.



APC at Walt Disney World

From left: Gary Engle, Franklin Kaye, Steve Grant, Paula Loomis, Regina Engle, Charles Enos, Rad Delaney, Ed Gauvreau, Nick Desport, Adam Nodjoman, JJ Tang, Cathy Grow, Dave Packard

□ continued from page 9

commercial redevelopment to make Hollywood the place to be in South Florida.

Juan Carlos Argueta, AIA, of Miami-Dade County closed the morning session with a presentation of various project delivery methods used for major infrastructure projects in South Florida, giving the recent \$7 billion renovation and expansion of Miami International Airport. He focused the challenges of a major expansion and renovation of a major airport while maintaining the full spectrum of airport operations.

The afternoon session was led off by Paula Loomis, FAIA, F.SAME, with a panel discussion on new sustainability initiatives by the Corps of Engineers that will be applied across DoD facilities to comply with new energy and sustainability standards. She included representatives from GSA and the Architect of the Capitol to discuss their initiatives on sustainable design and standards.

Next up was an overview of the project portfolio and challenges by the Public Building Commission of the City of Chicago, presented by Erin Lavin Cabonargi, Executive Director of the PBC. Her organization is responsible for all design and construction for all agencies in Chicago, including the schools, police and fire, parks and recreation, general administration, and other facilities. PBC showed its array of authorities and processes that can quickly meet facilities, using the example of having to renovate 90 schools in less than 60 days to meet new educational standards.

Dina Griffin, AIA, IIDA, NOMA, followed with her presentation on how her firm, Integrated Design Architects, built long-term relationships with public sector

clients, culminating in receiving the commission to design the addition to the Art Institute of Chicago, in partnership with Renzo Piano.

The final presentation was led by Pam Loeffelman, FAIA of Stantec, Inc. Pam focused on the process to evolve and develop new designs for Department of Defense Schools in conjunction with DoDEA and Norfolk District, USACE. The new designs for schools demonstrate greater adaptability for class sizes, plus inclusion of spaces for small group projects and one-on-one instruction. These projects will be constructed over the next several years, mostly in Europe but some will be in CONUS.

With a long, fulfilling day of knowledge behind the group, they moved on to a reception hosted by DIRT Environmental Systems

in their newly renovated quarters near the Merchandise Mart and overlooking the Chicago River. The participants had great praise for the efforts of the AIA PAKC, specifically Mr. Gauvreau, to pull together this full day of learning for the entire design community. With the soon-to-be signed partnering agreement between the APC and PAKC, we hope to provide more cross-functional training opportunities between both AIA and SAME. **APC**

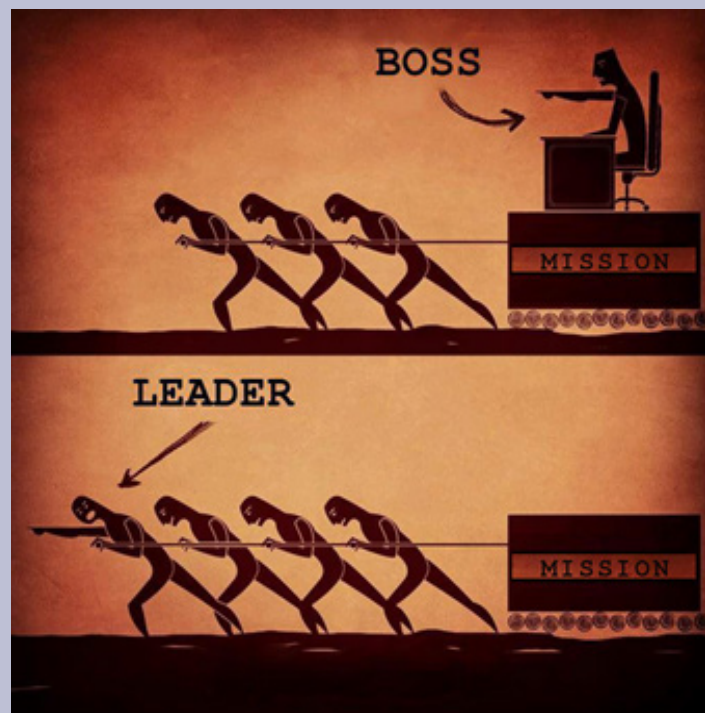
About the Author:

Edmond G. Gauvreau, AIA is the Chief, Planning Branch, Installation Support Community, Headquarters, U.S. Army Corps of Engineers, Washington, DC.

RANDOM THOUGHTS

BY PAULA LOOMIS

As our organizations get smaller and leaner, I thought this image would help us remember what it means to be a great leader.



□ continued from page 1

It is important to the Navy that the design reflects a nautical theme. Rather than a literal interpretation, the design honestly expresses building materials and connection methods the way it would be in a ship. The “land base ships” concept also reminds recruits and visitors of the experience of being on a ship (Photo 3).

Clad in red brick, the main exterior wall conforms to the campus Master Plan and meets the Navy’s preference for masonry buildings. A series of vertical articulations made of split face CMU form a counterpoint to the horizontality of the buildings. Detailed arches, spaced along the façade, reflect the historical buildings on the main campus.

The prototype integrated training/housing facility is a critical element of the recapitalization program and is the “corner stone” of a “training centric” environment at the Navy’s only recruit training campus. The design greatly enhances recruit training with increased efficiency, quality and sustainability required by today’s Navy.



PHOTO 3. “Land base ships” design.

Camp John Paul Jones

After successfully completing the two prototypes integrated training/housing facilities, the next challenge was to translate this new training methodology design into a seven-building complex in a 57-acre campus setting to support 10,000 recruits at any given time.

The ultimate master plan goals for Camp John Paul Jones were to provide a safe, integrated training campus for today’s and future generations of Navy sailors as well as maximum training efficiency and flexibility for ever-changing Navy missions. The design concept of this 57-acre campus focuses on “pedestrian centric”. Parking and vehicular roads loop around the campus perimeter and a large central green campus quadrangle becomes the focal and organization center for all seven facilities (Photo 4).

Through “out of the box” thinking and careful architectural design, a utilitarian railroad bridge separating Camp John Paul Jones from the main RTC campus – Camp Porter has been transformed into a symbolical entranceway to this new campus (Photo 5). The pedestrian approach on the tree-lined axis from the main campus to the Central Quadrangle brings a sense of spatial hierarchy into the campus. This approach includes two landscaped nodes where major recruit formation paths intersect. An antique naval anchor highlights the smaller Entry Node (Photo 6), while the Primary Node terminates the approach axis to the Quadrangle with a flag display and time capsule (Photo 7). In contrast with the more formal recruit marching paths, the area between two pairs of integrated training/housing facilities form informal landscape courtyards. They serve as a visual counterpoint to the more regimented environment of the campus’s formal Quad and two recruit marching axes.

As a result, the project was delivered to the Navy \$30 million dollars under the approved budget and 6 months ahead of schedule without interruption of recruit training.

Camp Moffett

Towards the end of Camp John Paul Jones construction, another design/build task was under way to design an in-processing day complex and re-master plan Camp Moffett.

Named USS Heal Harbor, the induction facility encompasses 181,000 square feet and accommodates 1,056 to 1,512 recruits. It is comprised of berthing compartments, classrooms, learning centers, kitchen/



PHOTO 4. Large central, green campus quadrangle.



PHOTO 5. Campus Gateway. A railroad bridge underpass is transformed into a symbolic gateway.

dining facilities and conditional concourses. Covered walkways link with three other existing buildings to form a cohesive five building in-processing recruit complex. By designing the classrooms adjacent to the concourses, it “cleverly” incorporates a future unfunded education facility into this complex without additional construction funding, saving taxpayers millions of dollars for a new facility.

The overall campus master plan and design is all about “immense newly arrival recruits into Navy tradition and pride.” To that end, an inspiring arrival sequence and spatial arrangements are established through architectural articulations and site planning (Photo 8). Connecting concourses of five facilities also becomes a series educational galleries to ensure the



PHOTO 6. Approaching view of the Flag Plaza



PHOTO 7. At the end of the main pedestrian spine, a circular, ceremonial flag plaza overlooks the landscaped quadrangle.



PHOTO 8. Arrival sequence and spatial arrangements.



PHOTO 9. Transition.

newly arrived recruit's initial experience is a memorable one as they begin their transition from civil to military life (Photo 9). The design also unifies the somewhat diverse architectural character of existing buildings into a cohesive military campus.

Camp Porter

The last piece of the puzzle in this decade long rebuilding process is recapitalization of Camp Porter. A majority of World War II to 1960s buildings were demolished. A new master plan for Camp Porter was developed. The design concept of Camp Porter is to transfer old "facility centric" planning model to a new "training centric" model by clearly creating three distinct functional zones - a public zone for visitors and weekly graduation ceremonies (Photo 10), a living area and a central area for training, medical and administration, by establishing a pedestrian friendly environment, and by lowering life cycle cost of the campus (Photo 11).

The Camp Porter project comprised of a 540,000 SF three-story integrated training/housing complex to serve a total of 3168 recruits, a 60,000 SF simulated small arms range, a 48,000 SF campus museum/visitors center, a five level 850-space parking garage and a 100,000 SF consolidated trainer and the campus wide landscape, roadways, and infrastructures upgrade.

The result, the U.S. Navy concluded, is a reduction in recruit basic training length by two weeks. Ultimately saving tax payers money and a better-trained sailor can be sent to the fleet.

The rebuilding of the sole US Navy recruit training command was complete in 2011. 100 years after the commissioning of Great Lakes and over 10 years in the making, the Navy has achieved its mission by realizing its vision.

The RTC campus at the Great Lakes Naval Training Station is the pride of the Navy. A state of the art, functional, visually appealing and sustainable facility,

that will continue to produce the world's best trained and prepared sailors for the next 100 years.

The RTC recapitalization program has won many industry awards, has appeared in national media including reports on CNN, NBC, and Fox News, and has been published in many publications including the New York Times, the Chicago Tribune, the Chicago Sun Times, and the Midwest Construction magazine.

For the history of the Navy only boot camp, please go to http://en.wikipedia.org/wiki/Recruit_Training_Command,_Great_Lakes,_Illinois

Footnote: JJ Tang was awarded a special recognition plaque from Commander of Naval Region Midwest RADM G.R. Jones. The plaque reads: "With great thanks for the dedication and architectural brilliance you brought to the RTC recapitalization program, creating a visual image and a functional reality that superbly represents and supports the Quarterdeck of the Navy." *APC*



PHOTO 10. Public zone for visitors & weekly graduation ceremonies.



PHOTO 11. Camp Porter, aerial view.

CREDITS

EDITOR

DAVID PACKARD, RA, PMP
USACE, Northwestern Division
402.996.3822
david.a.packard@usace.army.mil

GRAPHIC ARTIST

YVONNE LEE, ASSOC. AIA
STOA Architects, Pensacola, FL
832.978.3553
ylee@stoaarchitects.com

FEATURE ARTICLE AUTHORS

JJ TANG, AIA
HDR Architecture Inc.
773.380.7900
junjian.tang@hdrinc.com

EDMOND G. GAUVREAU, AIA, M.SAME
USACE, Headquarters
202.761.0936
edmond.g.gauvreau@usace.army.mil

SAME ARCHITECTURAL PRACTICE COMMITTEE CONTACTS

COMMITTEE CHAIR

JJ TANG, AIA
HDR Architecture Inc.
773.380.7900
junjian.tang@hdrinc.com

COLLABORATION WITH AIA VICE CHAIR

PAULA LOOMIS, FAIA
USACE, Headquarters
202.761.7526
paula.j.loomis@usace.army.mil

ARCHITECTURAL LIAISON COORDINATOR

SCOTT LEISTER
Space Command
719.554.5028
richard.leister@us.af.mil

CONTINUING EDUCATION VICE CHAIR

RAD DELANEY, AIA, FSAME
Philadelphia, PA
267.800.8671
delaneyra@cdmsmith.com

COMMUNICATIONS VICE CHAIR

DAVID PACKARD, RA, PMP
USACE, Northwestern Division
402.996.3822
david.a.packard@usace.army.mil

SAME CONFERENCE VICE CHAIR

HOMER GUY, AIA, FSAME
J.M. Waller Associates, Inc.
210.822.8006
homer.guy@jmwaller.com