NATIONAL ARCHITECTURAL PRACTICE COMMITTEE
SOCIETY OF AMERICAN MILITARY ENGINEERS

APC Quarterly Call – April 24, 2013
Architectural Practice Committee

Agenda:

- Welcome remarks by Committee Chair – JJ Tang
- Mission Statement Review
- Review of Organization Structure and Four Areas of Focus
- 2013 Initiatives and sub-committee vice chair briefs.
- Presentation by Bill Brown, Hon AIA
- Open Discussions
Mission Statement:

- Promote Architectural Practice within SAME.
- Broaden SAME’s exposure in the architectural community to attract more architects in SAME.
- Networking and mentoring.
Announcement:

2012 SAME national Urbahn Medal recipient for significant contribution in the field of architecture in the past five years:

Phil Tobey, FAIA, Smith Group

Phil is recognized for his work on the National Intrepid Center of Excellence (NICoE). Phil was appointed by the Assistant Secretary of Defense to the U.S. Defense Health Board, commissioned by the U.S. Congress to define the now mandated DoD standards for world-class military healthcare facilities design and operations.
2013 Initiatives Progress Review:

1. Quarterly Committee Video Conference Calls:
   - Our first conference call – January 23, 2013
   - 50 SAME architects across the country participated.
   - SAME Deputy Director Nick Despot, RA as our first guest speaker.
   - Next conference call scheduled for July 24.

2. 2013 SAME JETC Committee Meeting
   - 1:30 pm to 3:30 pm, May 21 (Tuesday), San Diego.
   - The committee’s face to face meeting, and receiving 1.5 AIA LU/HSW.
   - DoD and VA healthcare focused presentations.
   - Phil Tobey, Smith Group: “DOD/VA Healthcare Facilities: New Models of Care”
   - Gus Ardura, HDR: "DOD Healthcare Projects-The Last Seven Years"
   - Detail info and Registration - [http://s3.goeshow.com/same/jetc/2013/APC.cfm](http://s3.goeshow.com/same/jetc/2013/APC.cfm)
3. Establishing Service Branch Liaison Each for USACE, NAVFAC, and AFCEC:

- Advising the committee on initiatives benefiting service branch architects.
- Encouraging and supporting interactions among industry and service branches.
- Encouraging participation from all service branches in SAME architectural activities.

- **Army Liaison:** Ed Gauvreau, USACE HQ, Edmond.G.Gauvreau@usace.army.mil
- **Navy Liaison:** Kathleen Reid, NAVFAC Atlantic, kathleen.o.reid@navy.mil
- **Air Force:** Rick Sinkfield, Air Force Civil Engineer Center, ralph.sinkfield@us.af.mil
4. Establishing Architectural Committee at local SAME Posts

- Encouraging quality architectural programs in major SAME posts.
- Encouraging SAME local post Architectural Practice Committee connecting with local AIA chapter.

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5. One SAME Continuing Education Course Webinars:
   - Architectural practice topic webinars, receiving AIA CEU
   - Open to all who are interested in attending.
   - Targeted October time frame, 2013
   - Currently seeking webinar topic and subject matter experts.

6. Building up a Professional Presentation Material Library
   - All Architectural Practice Committee presentations are stored at committee webpage under Meetings and Presentations category.
   - Presentations can be downloaded from our committee webpage - http://wwwSAME.org/index.php/committees-a-councils/committees/architectural-practice-committee.
7. Publishing Architectural Practice Committee Quarterly Newsletters:
   - Reporting on past APC activities – quarterly calls, annual JETC committee meeting, and others.
   - Upcoming event schedule and announcements.
   - Profile or interview of APC members or companies.
   - Seeking a candidate as the committee communications Vice Chair.

8. Maintaining Architectural Practice Committee Webpage
   - Events and announcements
   - Downloadable resources
   - Professional material presentation library
   - The webpage is updated on monthly bases.
9. Urbahn Sessions at Major SAME Regional Conferences:

- **Rocky Mountain SAME Joint Engineer Training Symposium**
  
  Hosted by: SAME Denver Metro, Frontier and Pikes Peak Posts
  
  POC: Cindy Lincicome 303-319-0190, Jim Brackett 719-596-8114
  
  
  APC Conference Coordinator:

- **SAME/DBIA Federal Project Delivery Symposium**
  
  POC: Michael Blount, Balfour Beatty
  
  Aug 20-22, 2013, Gaylord National Resort & Convention Center, Nat’l Harbor, MD
  
  APC Conference Coordinator: Paula Loomis, USACE HQ, paula.j.loomis@usace.army.mil

- **2013 TEXOMA and Missouri River Joint Engineer Training Symposium (JETS)**
  
  Hosted by: SAME Oklahoma City Post
  
  POC: Trudi Logan 405-734-4582
  
  October 9-11, 2013, Oklahoma City, OK
  
  APC Conference Coordinator:
2013 Great Lakes and Ohio Valley Joint Engineer Training Symposium (JETS)
Hosted by: SAME Rock Island Post  POC: Gary Loss, 563-355-3661
October 16-18, 2013,  Davenport, Iowa
APC Conference Coordinator: Mary Ann O'Hara, FGM Architects, maryanno@fgmarchitects.com

2013 South Central-South Atlantic Joint Engineer Training Symposium (JETS)
Hosted by SAME Pensacola Post & SAME Mobile Post  POC: Steven R. Flukinger, 251-652-1130
October 22-24, 2013,  Mobile Convention Center, Mobile, Ala.
APC Conference Coordinator:

North Atlantic and New England JETS
Hosted by: SAME Baltimore Post  POC: Trudi Logan, 405-734-4582
November 5-7, 2013  Baltimore, MD
APC Conference Lead Coordinator:
POC: Conference sub-committee vice chair - Homer Guy
Guest Speaker –

Bill Brown, Hon AIA, Executive Vice President, Page Southerland Page, LLP

“The Development of Military Architecture in the Department of Defense”

Bill Brown, Hon AIA, FSAME is Executive Vice President of Page Southerland Page, LLP. He was the Deputy Director, Military Programs, HQs U.S. Army Corps of Engineers. He directed execution of the COEs’ annual 10 Billion dollar Military Construction Program for Defense components, and foreign nations and he provided direction to a field organization consisting of 8 divisions, 40 districts and 15,000 personnel. Bill is also a National Vice President of the Society of American Military Engineers and Chair of the SAME College of Fellows. In 1986 the American Institute of Architects bestowed Honorary Membership upon Bill for his leadership in substantially improving the quality of military facilities throughout the world. In 2003, he received an AIA Presidential Citation for his continued outstanding leadership and commitment to design excellence.
The Development of Military Architecture

William A. Brown Sr. P.E., Hon AIA, FSAME (SES ret.)
Executive Vice President
Page Southerland Page
Architecture, Interiors, Consulting Engineers
The Development of Military Architecture

Objectives

Definition

Architectural Periods
- Pre 1900 – Basic Necessitates
- 1901 – 1960 – Functional comfort
- 1960 – 2000 – Architectural Renaissance
- 2000 – Present – Functional comfort/no frills design

-- The Challenge Ahead
The Development of Military Architecture

Objectives

To become familiar with what constitutes military architecture

To understand the origin/history of military architecture

To understand the values military customers place on their man made and natural environment

To be able to plan and design facilities which respond to the needs of the military
The Development of Military Architecture

Definition

Military architecture is the style of design found on U.S. military installations around the world consisting of understated finishes and features and tried and proven concepts arranged in a complementary manner to invoke mission readiness and public trust. Functionality dominates the design.

Military design is funded – reviewed – and maintained by the public. Military facilities are occupied by service members and their families normally for up to four years and by civilian employees for longer periods of time resulting in constant turn over/change in management style and building use.
The Development of Military Architecture
Pre 1900 – Basic Necessities
The Development of Military Architecture

Pre 1900 – Basic Necessities

- The design of Pre-1900 military facilities and Posts varied
- State Militia – craftsman from Europe
- Continental Army – federal/unified branding
- Western outpost – spartan defensive facilities to fight wars with Indians and Spanish
- Southwest outpost – Spanish and western design elements
- Facilities required for European tradition for Balls and other formal gatherings
- Facilities considered equipment and procured by Quartermaster Corps
- Early designers and builders were engineers
The Development of Military Architecture
1901 - 1960 – Basic Comfort
The Development of Military Architecture

1901 – 1960 – Basic Comfort
- World Wars I and II brought on need for facilities to build planes, produce bombs and temporarily house troops
- Response was mass produced Quonset huts, wooden barracks buildings, dining halls, etc arranged in a geometric north south direction
- Maximum use was made of “one Design” fits all with site adaption and standard plans and specs
- Heavy emphases was placed on use of definitive designs with little regard for varying site conditions, materials or local styles of architecture
- Army had primary responsibility for design and construction of military facilities
- Mission drove military base development
  Army – land fighters
  Navy – ships first, land facilities when conditions permitted
  Air Force – bases as platforms for launching military missions (Air)
The Development of Military Architecture

1901-1960 – Basic Comfort continued

- 1947 – Air Force created out of Army Air Corps
  - Given existing army bases many historic
    Randolph AFB – southwest architecture
    Lackland AFB – southwest architecture
    FE Warren AFB – early frontier
  - Air Force by law allowed to develop facility program requirements however
    design and construction remained with the Army Corps of Engineers
The Development of Military Architecture
1961 to 2000 – Architectural Renaissance
The Development of Military Architecture

1961 to 2000 – Architectural Renaissance

- Selection of World-class architects
- Skidmore Owning and Merrill – planning and some initial buildings
  - Chapel
  - established design guidelines
  - European influence of Bauhaus
  - Five foot module
  - strict adherence to design guidelines
- Leo Daly – designed most buildings
- Evoked positive public response and became a catalyst for quality federal facility design and planning
The Development of Military Architecture

-1961 to 2000 – Architectural Renaissance continued

-Air Force not bound by tradition sort it own design identity to cope with its image as a high tech world class Air Power
- Period of technology innovation in the U.S. spurred by development of new missile systems at Vandenberg AFB and Cape Canaveral
- Newer lighter weight, more durable materials were developed, longer clear spans for buildings for flexibility and a new technologically advanced image was incorporated in select projects such as AF Space Command Headquarters in Colorado Springs, Co. and the new AF Hangar One at Andrews AFB, MD
- Air Force welcomed architects and planners into its ranks
The Development of Military Architecture

1961 to 2000 – Architectural Renaissance continued

- 1970 surge led by Colonel Sid Key, RA

  Major General Duke Wright, AF Civil Engineer, P.E. Hon AIA (AE degree)

  B/G Shelly Lustig, Planner

  William A. Brown, AF Chief Architect, P.E. Hon AIA (AE degree)

  Gary Lynn, RA, FAIA

  B/G ret. Larry Enyart, RA, FAIA

  Major General Gene Lupia, AF Civil Engineer, P.E. Hon AIA (Academy grad)

  Col. Gayland Witherspoon, FAIA, former Chair Clemson Univ. School of Architecture
The Development of Military Architecture

1961 to 2000 – Architectural Renaissance continued

Air Force Programs
- International Design Awards Program
  Concept – encourage good design
  AIA President Elect chaired Jury

-- Planning and Assistance Teams
  Reservists analyze and assist bases on sub area master planning and individual building design
  Teams traveled to and performed work at the installation

-- Air Force Design Advisory Board
  Reservists in the design profession assigned to this board to advise AF Civil Engineer on ways to improve the quality of the Air Force environments
The Development of Military Architecture

1961 to 2000 – Architectural Renaissance continued

-- Tactical Air Command, Langley AFB, VA
  General Creech – since the quality of a person’s environment influences their ability to successfully accomplish our missions AF Commanders will be rated on the condition of their installations

-- NCARB and Air Force agreement giving AF interns credit for their federal work

-- Developed an Interior Design Program

-- Air Installation Capability Use Program – AICUZ (Gary Vest)
  Encroachment number one issue for military installations
  Engage community in dialogue
  Identify risks, concerns, opportunities for efficient land use, new materials and design techniques to offset noise from aircraft
The Development of Military Architecture

1960 to 2000 - Architectural Renaissance continued

- Corps of Engineers – over 90 percent engineers
- Architecture banner carried by William Holmes, RA
- Overcome influence by engineering oriented workforce

- Design Awards and Interior Design Programs

-- Executed Air Force Program in-accordance with AF Guidelines
-- Executed Army Program in-accordance with Army Guidelines

-- Larry Delaney, RA - first Corps of Engineers Chief Architect

-- James Allred, RA, first Corps Architect to direct a major program
  Medical Facilities Design Program for all services
  Produced outstanding landmark facilities that established design
  standards for the installations where they were located
The Development of Military Architecture

1960 to 2000 – *Architectural Renaissance*

Navy
- Admiral Mike Marshall, P.E. – champion for quality planning and design

- Difficult to overcome emphases on ships vice land facilities

-- Quality design centers at Washington Navy Yard and San Bruno, Ca

- Architectural registration equal to engineering registration
The Development of Military Architecture
2000 to Present
The Development of Military Architecture

2000 to present

-- Emphases on cost reduction
-- Emphases on energy efficiency
-- Emphases on environmental concerns
-- Sequestration
-- Emphases on design/build acquisition strategy
-- Emphases on out sourcing – let someone else provide and maintain
-- Similarity when moving from one base/installation to another functionally
-- Maximum use of local design and construction standards
-- Housing similar to civilian communities
-- Technology intensive facilities
The Development of Military Architecture

The Challenges Ahead!

- Developing military architecture for a purpled suited organization that respects individual service traditions

- Architects achieving a greater voice and influence in organizations dominated by engineers

- Developing a facility acquisition process that constantly produces quality products
Architectural Practice Committee

- Open Discussions
- Input or suggestions from SAME architects
- Welcome volunteers
- Next APC video conference call in July.
- Please email your AIA number to Rad Delaney raddelaney@gmail.com for your 1 AIA CEU.
Contact information:

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APC webpage:

http://www.same.org/index.php/committees-a-councils/committees/architectural-practice-committee