

Killey Center for Homeland Operations



Photograph Courtesy of Tyndall Air Force Base

In this issue:

Tyndall AFB dedicates a new building:

Schmidt Consulting Group, Inc. provided research to be incorporated into the Design/Build Request for Proposal for the 1st Air Force Command Headquarters project at Tyndall Air Force Base, Florida. This project was broken into three phases. Phase I and II have already been constructed and resulted in the Killey Center for Homeland Operations. The Killey Center, located on L.K. Arnold Way, is dedicated to Maj. Gen. Philip Killey and Maj. Gen. Larry Arnold whose efforts as CONR-1AF commanders empowered the organization to achieve its current status - providing air sovereignty for homeland defense and support to civil authorities, on a daily basis. A dedication ceremony was held on March 13th, 2009 with both retired general officers in attendance.


This complex, when complete, will consolidate the functions of 10 individual directorates, located throughout the base, and will ultimately house over 370 personnel. The first two buildings are occupied by the Personnel & Manpower, Intelligence, Operations, Plans & Programs and Communications Directorates. The senior leadership is also co-located in a second floor command suite, surrounded by the Commander's Personal and Special staff. The separate buildings are connected by conditioned walkways, purposefully designed to enhance access control and isolate classified information storage and activities. The entire facility is designed to operate as a secure facility, including SCIF and open storage. Support systems include intrusion detection and access control systems.

Construction for Phase III of the project, which will include the Logistics, Installations, Lessons Learned and Emergency Preparedness Directorates, has just started. SCG, alongside Gulf Coast Architectural Group and STOA Architects, provided Mechanical, Electrical, Plumbing, Fire Protection, Communications, and Structural bridging documents. The project spanned a total of 100,000 square feet and has an overall estimated construction value of \$28 million.

As a Headquarters facility, amenities include a TV studio for video teleconferencing and training missions, shared kitchen and break room facilities, consolidated printing and copying areas and nine conference rooms of varying sizes and capabilities. The facility's computer systems use blade computer technology which allows a secure and centralized unit instead of personal computers at every station. This contributes to its space and energy-saving natures. Another energy saving feature is the use of lighting occupancy sensors.


The Killey Center was presented with the 2005 U.S. Air Force Concept Design Award.

Special thanks to Daniel Messier, SMSgt, USAF at Tyndall AFB for his assistance on this article.




A floor plan for the unexpected

Page 2



FKCC propels into the future

Page 2



LEED v3 to Launch April 27th

Page 2



Photo of the Month: Bellview Elementary's Media Center

Page 3



Above: One of the nine conference rooms within the Killey Center.

Photograph Courtesy of Gulf Coast Architectural Group.

A floor plan for the unexpected



Above: Students from Felix A. Williams Elementary School are evacuated

Floor plans aid in disaster clean-up in Martin County: A fire broke out near Felix A. Williams Elementary School in Stuart, Florida on March 25th. A cigarette casually flicked from a passing car is suspected to have sparked the 90-acre blaze that took roughly six hours to contain. Firefighters evacuated students from the Elementary school along with residents from about 100 homes in the area.

The School Board of Martin County contacted Schmidt Consulting Group, Inc. to request the square footage of the school in lieu of the fire. This information was needed to receive quotes from companies to provide clean-up of the campus. SCG was recently contracted to provide floor plans of District owned properties and was able to give the total square footage of conditioned space to the Board in less than 30 minutes.

Our firm has provided such services for the School District of Escambia County, Florida after Hurricane Ivan. Having this information on hand can be of great benefit for Districts and local governments in light of a hurricane, natural disaster, or act of carelessness that turns into disaster.

FKCC propels into the future

FKCC prepares for a new Marine Technology Building: Schmidt Consulting Group, Inc., alongside Hayes | Cumming Architects PA, is working with Florida Keys Community College (FKCC) staff and consultants to program, design, bid, and provide management oversight for a new \$3.7 million, 24,200 square foot Marine Technology Building to be built on the College's Key West Campus.

FKCC's location in the Florida Keys offers unique opportunities for learning. The campus sits adjacent to the only living coral reef in the northern hemisphere, making it the perfect location for a facility dedicated to Marine Propulsion.

This state-of-the-art laboratory and classroom building is designed to project a modern image as well as promote sustainable design. Energy efficient technology is at the forefront of design and the building is being designed to LEED Silver certification standards. Some of the technologies being explored are solar panels that would not only aid in energy efficiency, but also serve as a reference for students in future programs.

Unique features of the building include a fiberglass painting booth and an engine repair room. Special attention was given to communal outdoor space. The building's design includes a number of outside balconies to allow students to connect with the natural environment as well as promote outdoor learning. The two, third floor balconies also serve the requirement for an outdoor night time classroom to teach celestial navigation.

*Featured Right: Architect's Model of the Marine Technology Building
Courtesy of Hayes | Cumming Architects PA*

LEED v3 to launch April 27th

The next version of LEED, known as LEED v3, will launch on April 27th. The new version of LEED recognizes new technologies and advancements in building science and prioritizes energy efficiency and CO2 emissions reductions.

The three main components of LEED v3 are: LEED 2009, the new version of the technical rating system; a more user-friendly, reliable and faster LEED Online; and an expanded building certification infrastructure based on ISO standards, administered by the Green Building Certification Institute (GBCI).

USGBC is committed to supporting the transition to LEED v3. The latest information and support tools can be accessed at www.usgbc.org/LEEDv3.



Photo of the Month



Photograph Courtesy of Sam Marshall Architects
Photo Credit: Mike Marshall

Bellview Elementary receives a new Media Center: Construction is complete for Bellview Elementary School's new \$1.5 million, 7,800 square foot Media Center, located within the School District of Escambia County, Florida. Furniture is in the process of being installed and the Center will be operational for the upcoming 2009-2010 school year.

Schmidt Consulting Group, Inc., alongside Sam Marshall Architects, provided Structural and Communications design services for the project. System design included voice, data, instructional television, audio-visual, studio production, and I.P. surveillance camera.

The project also required the relocation of the School's main communications equipment room into the new Media Center because the room's former housing was prone to overheating.

About Us: Schmidt Consulting Group, Inc. (SCG) was established in 1987 to provide Mechanical, Plumbing, Electrical, Communications, and Structural design services to a very diverse client base. We currently employ offices in Pensacola and St. Petersburg, Florida and Daphne, Alabama to serve our clients more effectively and efficiently. Our range of services includes planning, design, construction documents, supervision of public bidding, contract administration and supervision, commissioning, and inspection during construction.

Our team has provided design services for a variety of facility types and has operated in many construction arrangements. From Fast Track to Design/Bid to Design/Build to Design with Construction Management, our reputation for quality, responsiveness, and timeliness has been demonstrated through successful projects for many private, federal, state, and local entities.

Schmidt Consulting Group, Inc. has provided specialized design solutions for a variety of facility types including: Airports, Auditoriums, Broadcast Studios, Churches, Colleges and Universities, Correctional Facilities, Data Centers, Emergency Operations Centers, K-12 Schools, Hospitals and Healthcare Facilities, Industrial Complexes, Laboratories, Libraries, Military Facilities, Multi-Family Residential Units, Municipal Facilities, Museums and Performing Art Centers, Office Buildings, Recreational Facilities, Sport Complexes, and Wastewater Treatment Plants.



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