



Biomedical Sciences Building

University of Florida



In this issue:



SAME tours the Ocean Sciences Laboratory at Stennis Space Center

Page 2

37	FBA
38	Sch
39	Inter
40	Haw

EC&M Magazine lists SDA in their Top 40 list

Page 2



Two Engineer Interns join the SDA Daphne Team

Page 3



SDA gives "green" a go

Page 3



Photo of the Month: Heather gets hitched

Page 4



UF's Biomedical Science Building begins to take shape:

Construction is well underway for the University of Florida's new Biomedical Science Building (BMSB). This 160,000 square foot building will house the research and administrative operation of biomedical engineering, sciences, and animal resources at the University, as well as establish UF as a leader in interdisciplinary biomedical science, engineering, technology, translational research, and technology transfer.

Under the direction of Hunton Brady Architects, Inc., Schmidt Dell Associates, Inc. provided Telecommunications, Audio-Visual, Access Control, and Camera Surveillance system design for the project. The Animal Facility of BMSB was designed around the National Institute of Health (NIH) standards to help the lab gain accreditation. The system contains nearly 60 access control doors, including palm reader biometric devices, and nearly 40 cameras that are continuously viewable over the data network.

The project is seeking LEED Silver certification.

*Photos of the Biomedical Science Building by AeroPhoto
Courtesy of the University of Florida and Hunton Brady Architects*

Ocean Sciences Laboratory



SAME tours the Ocean Sciences Laboratory: The Mississippi Gulf Coast Post of the Society of American Military Engineers (SAME) conducted a tour of the Ocean Sciences Laboratory (OSL) at Stennis Space Center in Mississippi on April 9th. OSL is a \$42.6 million, 171,600 square foot building that will support the Naval Oceanographic Office (NAVO). The tour was attended by local military and civilian engineers and construction professionals.

*Photo by AeroPhoto
Courtesy of the Roy Anderson Corporation*

The OSL project was developed under a design-build contract. The facility is required to support 263 persons and will consolidate numerous functions and people from various buildings around Stennis Space Center. The state-of-the-art laboratory, training spaces, and administrative support spaces of this building will be utilized to accomplish engineering, system design, system development, system integration, test and evaluation, and maintenance of marine systems. NAVO marine systems include analytical systems for evaluation of the ocean environment, systems for studies of wave dynamics, current flow, thermoclines, chemical variances, acoustics, geophysics, bottom sampling, navigation, bathymetry, bottom imagery, and target detection. This facility will also serve to accomplish NAVO's mission of developing new techniques and equipment to increase mankind's knowledge and utilization of the total ocean environment.

Schmidt Dell Associates, Inc., along with Studio South Architects and the Roy Anderson Corporation (Contractor), served on the project team for OSL. SDA provided Mechanical, Plumbing, Electrical, Telecommunications, and Structural design services for the project. Regarding our performance, Paul Mullins, the government construction manager for the Resident Officer in Charge of Construction (ROICC), had this to say:

"The contractor's design team, Studio South Architects of Biloxi, MS and Schmidt Dell Associates of Pensacola, FL spend a tremendous amount of time coordinating with NAVO. They really covered all mission requirements from overall square footage to the placement of outlets on the wall."

The new building will be served by two, 260-ton chillers; two, 2,000,000 BTU per hour boilers; and a 1500 kilo-watt back-up diesel generator. Site work consisted of a total of 600, 55 foot and 65 foot auger cast piles. The building slab was placed with 5,200 cubic yards of 4,000 pounds-per-square-inch (psi) concrete, with a thickness ranging from 9-inches to 12-inches. A 100,000 square foot ramp area was constructed with 650 psi flex mix design concrete. Additionally, the building consists of 1,000,000 linear feet, or almost 190 miles of communications and data cabling.

Construction of the OSL project has an estimated completion date of Fall 2008.

SDA in the Top 40:

36	Realtime Utility Engineers	Madison, Wis.
37	FBA Engineering	Newport Beach, Calif.
38	Schmidt Dell Associates	Pensacola, Fla.
39	Interstates Engineering	Sioux Center, Iowa
40	Hawkins Design Group	Mesa, Ariz.

EC&M Magazine lists SDA in their Top 40 list: EC&M magazine is the technical authority for 140,000+ electrical professionals, offering a mix of in-depth technical articles, forecasts, and comprehensive product reviews. In the March issue's article "Maximum Capacity," SDA was ranked as the 38th top overall design firm, and the 32nd electrical design firm in the country in terms of revenue for 2007.

Over seventy firms from across the country responded to the magazine's proprietary survey and collectively accounted for \$13.7 billion in overall design services revenues (\$1.2 billion attributed specifically to electrical design work) for 2007. EC&M noted that this overall design services total marked an average increase of 14.7% of those disclosed in 2006.

The survey not only addressed finances but asked design firms to identify their key areas of expertise. Of the survey respondents, an overwhelming amount indicated design/build as their first choice. SDA has operated under an increasing amount of design/build projects in the past five years, primarily for military support facility projects such as the Ocean Sciences Laboratory featured in the previous article.

SDA Daphne keeps growing:



Schmidt Dell Associates, Inc. opened its Daphne branch office in 2003 to better serve the Baldwin County School District. Since that time, our firm has provided design services for seven new schools in the district. We have had the opportunity to provide design services for the University of South Alabama, Faulkner State Community College, Spring Hill College, Mobile Infirmary, Baldwin County, and many others. **SDA is proud to announce the arrival of Rob Howard, E.I. and Brandy Baker, E.I. to our Daphne Office.**



Rob Howard, E.I.: Rob Howard, E.I. has joined the Electrical Design Team at SDA Daphne. Mr. Howard graduated from the University of Central Florida in December 2004 where he received his Bachelor of Science Degree in Electrical Engineering.

Over the past three years, Mr. Howard has provided electrical, fire alarm, communication, and lighting design services for a variety of projects including many for the Escambia County School District, as well as for medical imaging suites, religious facilities, country clubs, office buildings, and other commercial facilities. Mr. Howard's present duties include electrical design for projects in Alabama and Mississippi.



Brandy Baker, E.I.: Brandy Baker, E.I. has joined the Mechanical Design Team at SDA Daphne. Mrs. Baker graduated from the University of South Alabama in May 2005 where she received her Bachelor of Science degree in Mechanical Engineering.

Over the past 3 years, Mrs. Baker has designed plumbing and HVAC systems for a variety of facility types including commercial, multi-family residential, educational, and financial, as well as for community sports complexes. Mrs. Baker's present duties include electrical design for projects in Alabama and Mississippi.

SDA gives "green" a go



MEEP! MEEP! The light's green, let's go!

Sustainable design has become a hot topic in the building industry because of the profound impact that the built environment has on our natural environment and economy. SDA recognizes that it is our responsibility to incorporate sustainable practices into our designs, as well as to create a work environment that demonstrates our commitment to environmental stewardship and social responsibility.

Forty percent of our staff recently attended a LEED A.P. test preparation course led by Kelly Wiczork, LEED A.P. of DAG Architects with plans to take the examination in the near future. We have also implemented a company-wide recycling policy and have purchased a more environmentally friendly company vehicle - a Vespa GTS 250 Scooter to run errands around town.

Left: Stuart Smith and Diane Baxter set out on a 'Roman Holiday' - Peck/Hepburn style
Right: Erica Almanza says "Ciao SDA".....MEEP! MEEP!...and away!

Photo of the Month



Heather got hitched: Our own Heather Callaway married Billy Bennett on March 14th (leave it to Comm person to pick a mathematical constant as a wedding date - 3.14 get it? Pi?...ok let's move on).

The ceremony was held at Gulf Coast Christian Church. Heather looked absolutely beautiful coming down the aisle. A reception at Soiree followed and we were privileged to have Heather and Billy belt out some of their favorite tunes, as well as do little beat-boxin' on the mic. Of course there was dancing, and OF COURSE Heather broke out some of her signature moves such as the "sprinkler," the "trout," and the infamous "dirty lasso." We even taught the young ones how to do the robot.

A good time was had by all. It was wonderful to share such a special day with such a special person.

About Us: Schmidt Dell Associates, Inc. was established in 1987 to provide Mechanical, Plumbing, Electrical, Telecommunications, and Structural design services to a very diverse client base.

Headquartered in Pensacola, Florida, SDA currently employs branch offices in St. Petersburg, Florida and Daphne, Alabama to serve our clients more effectively and efficiently.

Our range of consulting services includes planning, design, the production of construction documents, supervision of public bidding, contract administration, and supervision and inspection during construction.

Our reputation for quality, responsiveness, and timeliness has been demonstrated through successful projects for many private, federal, state, and local entities.

Schmidt Dell Associates, 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, 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.



Locations:

Pensacola Office:

139 East Government Street
Pensacola, FL 32502
P: 850-438-0050 | F: 850-432-8631

St. Petersburg Office:

2111 Dr. Martin Luther King Jr. Street N.
St. Petersburg, FL 33704
P: 727-822-6286 | F: 727-822-6280

Daphne Office:

29000 Highway 98 | Building A, Suite 201
Daphne, AL 36526
P: 251-625-3003 | F: 251-625-3020

www.sdace.com