RFQ No. 756-16

City of Riviera Beach

Consulting Services for Development of Design Criteria Package to Build New Library

June 14, 2016










ENGINEERING FOR ARCHITECTURE

KEITH & ASSOCIATES, INC.
consulting engineers

SIEBEIN ASSOCIATES

BEA Architects, Inc.
Bruno E. Ramos, Principal-in-Charge
3075 NW South River Drive, Miami, FL 33142
beamarketing@beai.com
T: 305.461.2053 F: 305.634.0599

SFBJ 2013 BUSINESS OF THE YEAR AWARD

THESPINNAKERGROUP

June 14, 2016

City of Riviera Beach
Office of the City Clerk
600 West Blue Heron Blvd., Suite 140
Riviera Beach, Fla. 33404

Re: **RFQ No. 756-16: Consulting Services for Development of Design Criteria Package**

Dear Evaluation Committee,

It is with great pleasure that we submit our professional and technical qualifications for Consulting Services for Development of Design Criteria Package to Build a New Library to the City of Riviera Beach. Our team provides you with a cohesive group of professionals offering full design, architectural, engineering, construction management, planning & surveying services. Since its inception, BEA has provided this type of service to cities, municipalities and public institutions such as: City of Miami Beach, City of Pompano, City of North Miami, City of Pinecrest, City of Miami Gardens, City of Homestead, City of Coral Gables, City of Palm Beach and Miami-Dade Parks & Recreation Department on similar continuous professional contracts.

Some of the services provided include:

- Intermodal Center & Parking Facility Design
- Urban Planning / Renewal / Feasability Studies
- Design Drawings / Specifications
- Passenger Cruise Terminal & Pier Design
- Construction Administration
- ADA/UFAS Upgrades / Code Compliance
- Buildings / Community Centers / Library Design
- LEED Sustainablility Consultation
- Site Investigation/Evaluation
- Project Planning / Master Planning
- Reports/Permits Preparation
- Historic Preservation
- Cost Estimating / Scheduling
- Interior Design / Space Planning

We are especially qualified to meet the challenges of this project with our long-standing experience in providing full architectural and construction administration services. As a Florida certified minority firm, the BEA team is an experienced and diversified group of local professionals with an impeccable reputation for service. We believe the talent, hard work and enthusiasm of our team, attributes this proposal showcases, will allow our team to reach and exceed the requirements set forth in your Request for Qualifications. We also appreciate the importance of professional services to the City of Riviera Beach, and express our enthusiasm in beginning a successful relationship with you.

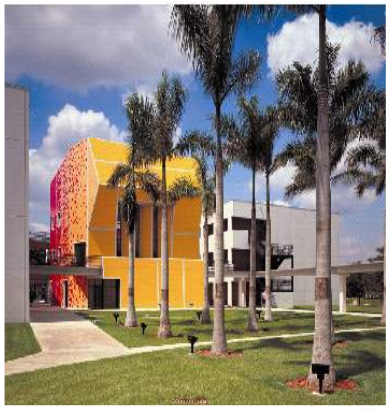
Respectfully submitted,

BEA architects, Inc.

Bruno E. Ramos, AIA, GC, NCARB, LEED AP
Principal-in-Charge

RFQ No. 756-16: Consulting Services for Development of Design Criteria Package to Build New Library

BEA architects



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Tab 1 Firm Qualifications

BEA Architects Qualifications

Headquartered in Miami, BEA architects, Inc. is a corporation of 39 employees. BEA has provided professional architectural and engineering services since its inception in 2000. Mr. Bruno-Elias Ramos, AIA, LEED AP is the Principal-in-Charge and a leading architect in the design and construction of South Florida civic buildings and port facilities. He founded BEA and has taken it to the top ten in volume of work for the region (*S. Florida Business Journal*). Mr. Ramos' 20 years of experience gives him the diversified background and leadership expertise that ensures uncompromising professional service. His creations emphasize service to employees, management and visitors, input often gathered through community outreach. His work has extended to community centers, parking garages, cruise terminals, parks, schools and much more.

BEA has established a reputation as an innovative provider of leading-edge design solutions to corporations and institutions worldwide. The reputation of the firm rests on its most important asset: its people, whose energy, creativity, and commitment point to even greater accomplishments in the decades to come. The pursuit of excellence in design, through technology and in execution, underscores BEA's commitment to quality. Central to our philosophy is the notion of design innovation and excellence in delivery, accomplished through the attention of direct senior personnel to design challenges and through the enthusiasm and passion our team brings to detailing and crafting a finished product. BEA is a full service architectural firm providing architecture, interior design, master-planning, renderings, construction management, value engineering analysis and architectural visualization.

BEA's Point of Contact information is as follows:

Agent: Bruno E. Ramos, President

Address: 3075 NW South River Drive, Miami, FL 33142

Phone Number: 305-461-2053

Fax Number: 305-634-0599

E-mail Address: beamarketing@beai.com

Our Team

At BEA architects Inc., the core group of Principals and Associates take an active, hands-on role with each project, regardless of size, and are involved in every aspect of the design process from conceptualization to owner occupancy.

Our design approach is collaborative in nature; working closely with clients, other team members and interest groups to find the most adequate alternative to a particular challenge. Through our collaborative design approach we arrive at solutions that take into account many influences resulting in designs that are not pre-established but rather evolve during the design process.

Design Services

We have many years of successful experience in architectural and engineering contracts for public agencies and institutions in South Florida including: City of Miami Beach, Miami-Dade County Parks and Recreations Department, City of Miami Gardens, Canaveral Port Authority, and City of Hallandale Beach. We understand that under this contract type a variety of tasks are commissioned and the selected architect must be versatile and have the skills to design a variety of projects such as Community Centers, Parking Garages, Libraries, Parks, Recreational Facilities, ADA retrofits and Code Upgrades. At BEA we have built an excellent reputation for timely and quality delivery. This experience is invaluable in providing efficient project services to our Public Sector clients. Under public agency contracts we have completed the following projects (selected list):

- City of Miami Beach. Historical City Hall Renovation.
- Florida International University. NCAA Stadium Renovation.
- City of Miami Beach. Bandshell Park Renovation.
- City of Miami Gardens. Master Plan for 8 Parks.
- Canaveral Port Authority. CT1 with Parking Facility.
- City of Pinecrest. Library and Community Center.
- Miami-Dade Seaport Department. PortMiami Cruise Terminals D & E with Parking Facility.

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF ARCHITECTURE & INTERIOR DESIGN

LICENSE NUMBER
AA26001612

The ARCHITECT CORPORATION
Named below IS CERTIFIED
Under the provisions of Chapter 481 FS.
Expiration date: FEB 28, 2017

BEA ARCHITECTS, INC
3075 NW SOUTH RIVER DRIVE
MIAMI FL 33142

ISSUED: 12/14/2014

DISPLAY AS REQUIRED BY LAW

SEQ # L1412140001264

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF ARCHITECTURE & INTERIOR DESIGN

LICENSE NUMBER
AR0012160

The ARCHITECT
Named below IS LICENSED
Under the provisions of Chapter 481 FS
Expiration date: FEB 28, 2017

RAMOS, BRUNO E
3075 NW SOUTH RIVER DRIVE
MIAMI FL 33142

ISSUED: 12/14/2014

DISPLAY AS REQUIRED BY LAW

SEQ # L1412140001209

State of Florida

Minority, Women & Florida Veteran Business Certification

BEA architects, Inc.

Is certified under the provisions of
287 and 295.187, Florida Statutes, for a period from:

06/09/2015 to 06/09/2017

management SERVICES

Chad Poppell, Secretary
Florida Department of Management Services

OSD

Office of Supplier Diversity • 4050 Esplanade Way, Suite 380 • Tallahassee, FL 32399 • 850-487-0915 • www.osd.dms.state.fl.us

State of Florida
Department of State

I certify from the records of this office that BEA ARCHITECTS, INC. is a corporation organized under the laws of the State of Florida, filed on May 26, 2000.

The document number of this corporation is P00000051935.

I further certify that said corporation has paid all fees due this office through December 31, 2015, that its most recent annual report/uniform business report was filed on March 19, 2015,, and that its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Nineteenth day of March, 2015

Secretary of State

Tracking Number: CC7112855947

To authenticate this certificate,visit the following site,enter this number, and then follow the instructions displayed.

https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication

Pinecrest Library & Community Center
Pinecrest, FL

BEA was selected to design a state-of-the-art community center and branch library of the Miami-Dade County library system, creating a new community campus within the gardens of the former Parrot Jungle. The client initially requested a 30,000 square-foot, 2-story facility. Through a master plan, however, BEA demonstrated that integrating two separate, single-story 15,000 sf structures was more effective, more aesthetic, and no more costly. The plan creates a sequence of open spaces mediating between existing parking in front and an athletic complex in the rear, conferring a campus environment conducive to a garden setting, harmonious with existing structures, and compatible with Pinecrest's developing design palette. Designed around a courtyard, the two structures form a gateway to a new 5-acre soccer park and integrated vita-course, also designed by the firm. The community center includes a computer lab, arts and crafts room, dance studio, wellness spaces, fitness center, and multipurpose classrooms. The library program encompasses three separate reading rooms.

BEA worked closely with architects of Miami-Dade County's Public Library System and the General Services Administration to tailor a flagship facility for the budding Village of Pinecrest township. BEA's design delivers a modern twist to a Mediterranean motif. Characteristic elements include metal roofs, generous overhangs, and stone cladding. Soaring vaulted ceilings and sloped roofs are the main features of the design. Natural light bathes the entire interior and reduces lighting costs. The open plan was designed to maximize visibility inside the library to reduce the need for time-intensive facility monitoring. The facility is fully wired and contains a separate meeting hall.

firm's responsibilities
Architecture
Structural Engineering
Civil Engineering

completion date
January 2008

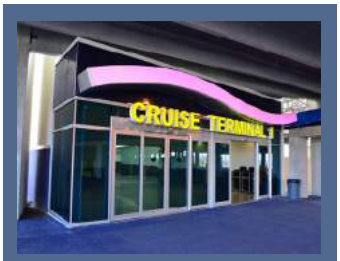
estimated cost entire project
$4.8 million

work for which firm was responsible
$4.8 million

owner's name & address
Village of Pinecrest
12645 Pinecrest Parkway
Pinecrest, FL 33156
Mr. Leo Llanos
305.234.2121

BEA
architects

Cruise Terminal No. 1 & Intermodal Center with Parking Garage
Port Canaveral, FL



firm's responsibilities
Complete Design-Build Services
Cruise Terminal Architecture

key personnel
Bruno E. Ramos, AIA, GC, LEED AP
John Colao, AIA, GC
Robert Draper, RA, NCARB

completion date
December 2014

estimated cost entire project
$100 million

work for which firm was responsible
$64 million

owner's name & address
Canaveral Port Authority
445 Challenger Road, Suite 301
Cape Canaveral, FL 32920
321.783.7831
Mr. Tom Foxhoven
tfoxhoven@portcanaveral.com

BEA is the Architect-of-Record for the Design / Build of Cruise Terminal No. 1 at Port Canaveral; a state-of-the-art 190,000 SF passenger cruise terminal facility. The two-story cruise terminal complex also includes a 1,000-space parking garage and Intermodal Center, as well as a 1,400 foot-long berth facility. The two-story cruise terminal complex has been designed to handle the largest cruise ships currently sailing, as well as the 6,000 passenger vessels currently in design. The terminal passenger service, as well as the U.S. Customs facilities, have been designed to accommodate vessels in home port or port of call visits, provides for simultaneous embark and disembark processes, as well as conforms to U.S. Customs Border Protection (USCBP) passenger screening and security regulations. The terminal complex also provides a landscaped public plaza; accented by a tensile sail structure for shade purposes, that connects the cruise terminal complex to nearby dining, shopping and entertainment options available to both cruise passengers as well as crew members. Special attention has been given to the design of embarking and disembarking processes to enhance passenger experience. The passenger waiting area has been located at the Second Floor of the terminal and is provided with a 200 foot-long north facing glazed wall that provides panoramic views of Port Canaveral. Another design effort to enhance overall passenger experience resulted in locating both the Intermodal Center and Passenger Drop-off Area at the Ground Level of the Parking Garage, thus providing shade and shelter from the sun and drenching summer rains, while ensuring the shortest walking distance to the cruise terminal complex.

BEA architects

firm's responsibilities
Complete A/E Services

key personnel
Bruno E. Ramos, AIA, GC, LEED AP

completion date
January 2010

estimated cost
$3.5 million

work for which firm was responsible
$3.5 million

owner's name & address
City of Homestead
Park & Recreation Department
790 N. Homestead Road
Homestead, FL 33030
Mr. Kirk Hearin
305.224.4572

BEA architects

Involving 11,500 square feet of additions and 6200 square feet of renovation, a senior center is being converted into a community center. The resulting facility offers a centralized entrance, two assembly rooms (serving approximately 400 guests), two health offices for seniors, a computer classroom, two kitchens, life trails for a 1/4-mile long vita course, three recreational shuffle boards, a 2300-sq. ft. putting green, a gazebo for outdoor events, studios for dance and ceramics, and an arts-and-crafts room. The layout and design are an invitation to nature: custom trusses of heavy timber held together by thin steel cords, with end trusses of impact resistant glass. BEA is providing architectural and engineering design, permitting, construction documents, and construction administration.

BEA architects

Jupiter Library
Jupiter, FL

firm's responsibilities
Project Management
Complete Architectural Services
Engineering

completion date
October 2003

estimated cost entire project
$2.5 million

work for which firm was responsible
$2.5 million

owner's name & address
Palm Beach County Library System
3650 Summit Blvd.
West Palm Beach, FL 33406
Ms. Lavinia Gardner
561.233.2701

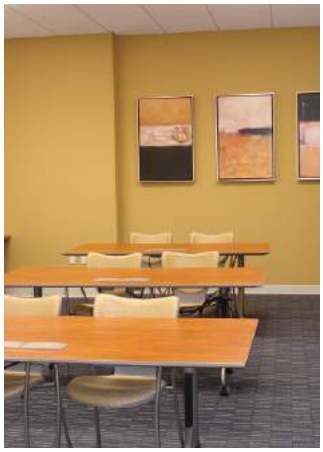
♦ *This project was selected for publication in a prestigious library sciences journal.*

BEA architects

In the fall of 2000, BEA was awarded the addition/ renovation of the Jupiter Branch Library for the Palm Beach County Library System. Through analysis of the existing library and several needs assessment workshops , it was determined that the 10,000-SF library required a complete exterior and interior renovation with the addition of approximately 12,000 SF of new space. The addition more than doubled the present size of the library. The project included expanding existing site amenities, converting the entire library to a central chilled water A/C system, and increasing the space for the reference library, meeting room, general collection, staff and circulation areas. The steel frame addition design employs the same construction type as the original. Some structural features include load-bearing masonry walls and long-span steel joists. BEA also provided threshold inspections during the construction process.

Millennia Atlantic University
Doral, FL

Build-out design-build of an 8,000-SF classroom facility for the new Millennia Atlantic University. The small university consists of a 700-SF lobby; eight offices (200 SF) with a side printer/copier room; three classrooms, each with interior glass (660 SF); an admissions center with transaction windows; a conference room; a 506-SF library with a small computer lab; a 240-SF kitchen and break room; and four storage areas including a server room. Each classroom is targeted to hold 33 students, and the facility will offer wireless internet service. Programs offered by the university include Bachelor of Human Resources, Bachelor of Management, Master of Human Resources, and Master of Business Administration. BEA is designing the facility and providing interior design services, while BEA's sister-firm Art, Design and Construction will oversee construction.



firm's responsibilities
Complete A/E Services
Interior Design

key personnel
Bruno Ramos, AIA, GC, LEED AP
John Colao, AIA, GC

completion date
2007

estimated cost entire project
$485,000

work for which firm was responsible
$485,000

owner's name & address
Millennia Atlantic University
201 S. Biscayne Blvd.
Miami, FL 33131
Ms. Orianna Maza-Duerto
305.913.1309

BEA architects

Miami Beach City Hall Façade Renovation

Miami Beach, FL

firm's responsibilities

Code Compliance
Historic Preservation
Permitting
Construction Documents

key personnel

Bruno E. Ramos, AIA, GC, LEED AP
John Colao, AIA, GC, NCARB

completion date

January 2008

total construction cost

$3 million

work for which firm was responsible

$2.7 million

owner's name & address

City of Miami Beach
1245 Michigan Ave
Miami Beach, FL 33139
Ms. Viviana Alemany
305.673.7000, x2968

Winner of the Dade Heritage Trust Preservation Award 2008

BEA architects

BEA evaluated decaying façade for structural integrity at the City of Miami Beach's Old City Hall. BEA's engineering department rebuilt structural drawings based on limited information collected from photographs of partial drawings from the last rehabilitation, as well as from photos and measurements taken during a site visit. After submitting recommendations, the city asked BEA to design, develop specifications, and oversee the renovation of this historic building's façade and its structural and concrete repair. In addition to the initial study, BEA provided schematic design through construction documents, construction administration, cost estimating and permitting services. Tasks included replacing envelope components such as windows, mouldings, cornices and doors with elements that are code compliant while keeping the aesthetical characteristics of the originals. New window sills and composite stucco were installed. New flashing details exterior waterproofing, and selecting paint color, finishes and decorative elements were also part of the scope of work. New lighting illuminates the crown and special features, allowing the tower to shine like a jewel in the dark.

The James Hotel Miami Beach
Miami Beach, FL

firm's responsibilities
Principal Architect

key personnel
Bruno E. Ramos, AIA, GC, LEED AP

completion date
Fall 2009

total construction cost
Withheld at Owner's Request

owner's name & address
The James Hotel
11 East 26th Street, 4th Floor
New York, NY 10010
Mr. Declan Fitzpatrick
dfitzpatrick@jameshotels.com

BEA architects

BEA served as Principal Architect for modernizing an eight-story, 115,000-SF Miami Beach hotel. Age and renovations by various prior owners had taken their toll on the 1950 structure. While honoring the visual intent of the original Miami Modern style, "green design" concepts and new materials upgraded the designated historical property into South Florida's first LEED-certified 5-star luxury hotel. Working with Skidmore, Owings & Merrill of New York, BEA preserved most of the footprint and façade of the building while enlarging guest rooms and adding upper floor balcony bays where the building is wider at its base. The conversion included reinstating the expansive, open nature of the main building's interior and reestablishing a connection between the hotel's public spaces, outdoor courtyards and terraces, and ocean views. Connections from outbuildings towards the inner pool courtyard were enhanced. While similarly opening an outbuilding towards Collins Park, its exterior façade seamlessly ties back to the main building, anchoring the entire building series. Aspects of green design include rooftop gardens, a series of skylights shedding natural light over interior spaces, and the use of fair colors for flooring and appurtenances to reduce lighting needs. The work invigorates the original spirit of interior appointments by reinstalling terrazzo, wood and stone details and finishes. Plans included restoring the original color scheme identified through historic photos. Through respectful renovation, the James Hotel Miami Beach revamped version of luxury is inclusive and casual while keeping its heritage alive.

Destination 305 Master Plan
Miami, FL

BEA Architects created Schematic Designs and a Master Plan for the future site of Destination 305 in Miami, FL. BEA's scope includes Architectural Design & Engineering, Master Plan for Waterfront, and Marine Engineering Services. Destination 305 incorporates: cruise line offices, three unique entertainment areas, original high-line attraction bridge use, a conference center and meeting rooms, retail shops, a logistics center, a mega yacht marina, and an excusions (land, sea, air) terminal, among many other amenities.

firm's responsibilities
Complete A/E Services
Marine Engineering
Marine Master Plan

key personnel
Bruno E. Ramos, AIA, GC, LEED AP

completion date
Ongoing

estimated cost entire project
$1.2 billion

work for which firm was responsible
$60 million

owner's name & address
Destination 305 LLC
605 Lincoln Road, 5th Floor
Miami Beach, FL 33139
Mr. Javier A. Granda
305.799.0662
javier@lionstone.net

BEA
architects

Virginia Key Beach Historical Museum

Miami, FL

firm's responsibilities

Complete A/E Services

key personnel

Bruno E. Ramos, AIA, GC, LEED AP

completion date

2008

estimated cost entire project

$15 million

work for which firm was responsible

$15 million

owner's name & address

Virginia Key Beach Park Trust
3550 Biscayne Blvd.
Miami, FL 33137
Mr. David Shorter
305.571.8230

A joint-venture design between BEA and Huff + Gooden Architects of Charleston, SC, won the competition for an African-American historical museum to be constructed on Virginia Key Beach. The $15 million, three-story structure spanning approximately 45,000 SF will chronicle the beach's history from its dedication in 1945 as Miami's "colored only" beach to its designation as a Florida Heritage Site by the U.S. National Park Service National Register of Historic Places. Not only will the museum recount South Florida's early indigenous ethnicity, it will also house oral and video commentaries as remembered by surviving citizens who frequented the beach before its demise in the 1970s. Artifacts are being collected for display. Intended to be a functioning part of its subtropical, island environment just minutes from downtown Miami, the design blurs the distinction between structure and landscape, history and the present, learning and fun. As part of Virginia Key Beach's renaissance, supplements such as the historic carousel, concession stand, bathhouse, dance pavilion, cabanas, picnic shelters, and minitrain have undergone $1.2 million of restoration and upgrading to modern construction standards.

The new museum is targeted to become a landmark and premiere destination in the American cultural landscape, the first ever constructed on a beachfront in Florida. The eco-friendly design carries a LEED Silver rating and showcases the natural environment of South Florida keys, emphasizing light by interacting with the sun's circadian path throughout the seasons. Elevation is required to protect from hurricane storm surges, and the roof growth reflects the repository's "green" character.

BEA architects


Vista Verde Park

firm's responsibilities
Park Master Planning
Complete A/E Services
Construction Administration

key personnel
Bruno E. Ramos, AIA, GC, LEED AP

completion date
December 2014

estimated cost entire project
$4 million

work for which firm was responsible
$4 million

owner's name & address
City of Miami Gardens
1515 NW 167 St., Suite 200
Mr. Anthony Smith
305.622.8000
asmith@miamigardens-fl.gov

BEA architects

A total of eight parks in the City of Miami Gardens were upgraded. The parks include Andover, Brentwood, Buccaneer, Cloverleaf, North Dade Optimist Park, Lake Lucerne, Vista Verde, and Norwood Park & Pool. Covering a total of 40 acres, master plans for each park were prepared. Improvements included designs for clubhouses, infrastructure, parking lots, athletic fields, landscaping and lighting.


Vista Verde Park


Vista Verde Park


Vista Verde Park


North Dade Optimist Park

The site of North Dade Optimist Park is surrounded by a network of freshwater wells that are a part of a municipal water system. BEA worked with city officials as well as with Miami-Dade County DERM to design and implement a water quality program for the North Dade Optimist Park that included the elimination of all trench drain storm water systems and asphalt paved parking areas. BEA program implemented the City's first pervious concrete parking facility and provided a series of detention ponds to capture and treat storm water within the site.


North Dade Optimist Park

Florida International University
Graduate School of Business
Miami, FL

In a joint venture with Kohn, Pedersen & Fox, BEA International provided complete A/E services for the new Chapman Graduate School of Business of Florida International University. The project includes a 300-seat auditorium, tiered classrooms, offices, and study rooms within an 85,000-SF building. The graduate business school houses more than 10 programs of study. A key challenge was capturing in its design the global and international focus that this young school has. The forward-looking educational facility fosters the interaction of students, faculty, business associates and guests within its premises.

firm's responsibilities
Complete A/E Services

key personnel
Bruno E. Ramos, AIA, GC, LEED AP

completion date
October 2007

estimated cost entire project
$20 million

work for which firm was responsible
$20 million

owner's name & address
Florida International University
University Park
Miami, FL 33199
Mr. Robert Griffith
305.348.4090

Winner of the FEFPA Award of Merit in 2008 - University Category

BEA architects

BEA
architects

Tab 2 Experience of Staff

BEA Architects, Inc.

Bruno E. Ramos, AIA, GC, NCARB, LEED AP
Principal-in-Charge, Project Manager, Lead Planner & Designer

John Colao, AIA, GC, NCARB
QA/QC

Armando Trujillo, RA, LEED AP BD+C
Deputy Project Manager
Construction Administration
Code Analysis

Robert Draper, RA, NCARB
Senior Architect
Construction Administration
Specifications

Adrian Price, RA, NCARB
Senior Project Designer
Cost Estimating
Scheduling

Allan Zamora, RA
Production Architect
Construction Administration
Code Analysis

Anabel Mendt, M.A.
Project Designer
Construction Administration
Cost Estimating & Scheduling

Heidi Rodriguez, NCARB-IDP
Production Team Manager
BIM/CAD Support
Specifications

TLC Engineering for Architecture

Structural Engineering
MEP Engineering & Fire Protection
Communications & Technology

Gary C. Krueger, PE, SI, CM, LEED AP BD+C
Division Director, Senior Structural Engineer

Aniel Fernandez, PE, LEED AP
Mechanical Project Engineer

Jason Stinchcomb, PE, LEED AP, CxA
Senior Electrical Engineer

Taw North, RCDD, LEED AP
Technology Operations Director

Keith & Associates

Civil Engineering
Landscape Architecture
Land Surveying

Traci R. Scheppske, GC, CM-BIM, LEED AP
Vice President

Mark Castano, PE
Sr. Engineering Manager

Michael Phillips, PLA
Director of Landscape Architecture

Michael Mossey, PSM
Senior Project Surveyor

Siebein Associates

Architectural & Environmental Acoustics

Gary W. Siebein, FASA, FAIA
Senior Principal Architectural Acoustic Design Consultant

The Spinnaker Group

LEED Consultation & Commissioning

Rob Hink, LEED AP BD+C/OM/ND
Principal-in-Charge

Jonathan Burgess, RLA, LEED AP BD+C/ND
Vice President, LEED Project Manager

Joe Fleming, LEED AP BD+C, BEMP
Senior Commissioning Agent & Energy Modeler

Nabil Maroun, PE, PX, BN, CMC, LEED AP BD+C
Senior Commissioning Agent

BEA architects Inc.

selected awards & press coverage

FEFPA Award of Merit
Ransom Everglades Aquatic Center
Florida Educational Facility Planners Association
2015

The Chicago Athenaeum Award
Florida International University, Graduate School of Business
American Architecture Awards
2008

FEFPA Award of Merit
Florida International University, Graduate School of Business
Florida Educational Facility Planners Association
2008

AIA Merit Award of Excellence
Port of Miami Terminals 3, 4 & 5
American Institute of Architects
August 2004

AIA Design Awards Finalist
Florida International University, Paul L. Cejas School of Architecture
American Institute of Architects
November 2003

First Prize in Precast Systems
Port of Miami Terminals 3, 4 & 5
PCI Journal
January/February 2001

First Prize in International Competition
Port of Alicante, Spain
Master Planning & Architecture
2000

Designer of the Year Gilda Award
Port of Miami Terminals 3, 4 & 5
Interior Design Guild Foundation
2000

BEA architects

firm profile

BEA architects Inc., a world-renowned architectural design firm headquartered in Miami, has established a reputation as an innovative provider of leading-edge design solutions to corporations and institutions worldwide.

The reputation of the firm rests on its most important asset: its people, whose energy, creativity and commitment point to even greater accomplishments in the decades to come. The pursuit of excellence in design, through technology and in execution, underscores BEA's commitment to quality. Central to our philosophy is the notion of design innovation, accomplished through the attention of direct senior personnel to design challenges and through the enthusiasm and passion our team brings to detailing and crafting a finished product.

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We have many years of successful experience in architectural and engineering contracts for public agencies and institutions in South Florida including: City of Miami Beach, Miami-Dade County Parks and Recreations Department, City of Miami Gardens, Miami Seaport Authority, City of Palm Beach and City of North Miami. We understand that under this contract type a variety of tasks are commissioned and the selected architect must be versatile and have the skills to design a variety of projects such as Community Centers, Wellness Centers, Libraries, Park and Recreational Facilities, ADA retrofits and Code Upgrades. At BEA we have built an excellent reputation for timely and quality delivery.

looking forward

Technology and science are being applied to architecture so that we are freer to use our artistic abilities to create meaningful and delightful places and spaces. BEA employs software that, via digital transfer, directly transforms a designer's imagination to the computer screen, to the production line, and finally into position in the field. All of us at BEA look forward to the promises of tomorrow and are eager to help develop strategies and new technologies to meet and exceed future challenges.

3075 NW South River Drive
Miami, Florida 33142

P: 305.461.2053
F: 305.634.0599

BEA architects

Bruno-Elias Ramos, AIA, GC, NCARB, LEED AP

Principal-in-Charge, Project Manager, Lead Planner & Designer

registrations

Registered Architect: Florida
AR 0012160

Registered Architect: Massachusetts
30955

Registered Architect: Virginia
0401 013334

Registered Architect: Texas
24346

General Contractor: Florida
CG-C033989

NCARB Certification No. 53,136

SAVE International 40456

education

Master of Architecture
University of Florida
1985

Bachelor of Design
University of Florida
1982

professional affiliations

American Institute of Architects

LEED Accredited Professional

BEA architects

experience

Mr. Ramos founded BEA and has taken it to the top ten in volume of work for the region. His over 20 years of experience gives him the diversified background and leadership expertise that ensures uncompromising professional service. Mr. Ramos' experience with educational facilites ranges from a media center and fine arts suites to a cafetorium and college facility. He has also worked on projects involving fitness centers, parks and resorts, industry, housing, retail, and office complexes. His extensive expertise extends to all aspects of architectural services from master planning to schematic design, design development, construction documentation, permitting and construction management.

Florida International University Graduate School of Business, Miami, FL. Complete A/E services for an 86,000-SF higher educational facility consisting of classrooms, seminar rooms, library, offices and campus support services.

Florida International University School of Architecture, Miami, FL. International competition-winning schematic design of facilities. BEA provided complete A/E services for the 94,000-SF complex.

Temple Beth Am Campus, Pinecrest, FL. A 15-acre school and synagogue campus was revamped for future generations of use. The project includes a new 450-seat sanctuary that is capable of expanding to 640 and 1,150 for larger services. A social hall, chapel and administrative wing complete the 50,000 SF of new construction. Several existing facilities, including the current sanctuary and social hall, were adapted for use by the day school, a competitive youth basketball league, and various other temple organizations. New soccer fields, an outdoor basketball court with bleachers, a series of interconnected landscaped courtyards and a 220-vehicle lighted parking lot round out the program. By client request, civil engineering of the campus includes a drainage system designed to exceed minimum requirements by 30%.

Ransom Everglades School Aquatic Center, Coconut Grove, FL. BEA provided complete A/E services for this aquatic center in a sensitive and historical environment. The building provides an above ground competition size pool, a training pool, gymnasium, offices, ancillary facilities and parking areas. The surrounding landscape design includes a seating plaza dedicated to the students and two new tennis courts. A beautified walkway links the new sports facilities to the existing gymnasium and football field to unify the school's sports complex. BEA conducted a program and budget verification, zoning and code analysis and design concept for the new facility. Our responsibilities included providing full construction documents, bid package, and construction administration.

Pinecrest Library & Community Center, Pinecrest, FL. A state-of-the-art community center and branch library of the Miami-Dade County library system, creating a new community campus within the gardens of the former Parrot Jungle. The design entails a sequence of open spaces mediating between existing parking in front and an athletic complex in the rear, conferring a campus environment conducive to a garden setting. The community center includes a computer lab, arts and crafts room, dance studio, wellness spaces, fitness center and multipurpose classrooms. The library program encompasses three separate reading rooms. The design delivers a modern twist to a Mediterranean motif. Characteristic elements include metal roofs, generous overhangs and stone cladding. Soar-

ing vaulted ceilings and sloped roofs are the main features of the design. Natural light bathes the entire interior and maximizes visibility inside the library to reduce the need for time-intensive facility monitoring. The facility is fully wired and contains a separate meeting hall.

Vineland Elementary School, Miami-Dade County, FL. Additions and renovations affecting 16,000 SF included adding a new media center along with fine arts suites and a primary classroom facility. The existing cafeteria in the school was converted to a cafetorium and upgraded to current code requirements for kitchen fire supression systems, electric utilities and ADA compliance. The cafetorium is a multiuse, expansive facility marked for both dining and auditorium functions. A full working stage as well as complete educational aids were incorporated into the design.

Homestead Community Center Conversion, Homestead, FL. Involving 11,500 SF of additions and 6,200 SF of renovation, a senior center was converted into a community center. The resulting facility offers a centralized entrance, two assembly rooms (serving approximately 400 guests), two health offices for seniors, a computer classroom, two kitchens, life trails for a 1/4-mile long vita course, three recreational shuffle boards, a 2,300-SF putting green, a gazebo for outdoor events, studios for dance and ceramics and an arts-and-crafts room. The layout and design are an invitation to nature: custom trusses of heavy timber held together by thin steel cords, with end trusses of impact-resistant glass.

IMG Crandon Park Tennis Center Renovation, Key Biscayne, FL. BEA Architects is responsible for new construction, expansion and improvements to the existing Crandon Park Tennis Center facility. Phase I scope includes a 5,000 seat Grandstand, locker rooms, fitness assessment rooms, physical therapy and hydrotherapy rooms, the NW Addition to the existing stadium as well as site and utility improvements. The site of the Crandon Park Tennis Center is a former dump site which ceased operations in 1977, pursuant to Florida Statutes and Florida Department of Environmental Protection regulations. As the proposed expansion and new construction work at the existing tennis center will have an impact on existing below-grade conditions associated with the former dump site, BEA has been leading a team of civil and environmental engineers through the process of assessing existing below-grade conditions as well as meetings and negotiations with Florida Dept of Environmental Protection, South Florida Water Management District and Miami-Dade County DERM agencies. Salient among numerous innovative measures taken to design and build new above- and below-ground infrastructure, BEA is implementing design of special foundations to limit excavation of materials; providing passive as well as mechanical ventilation to manage methane gas and other below-grade emissions; encapsulating fi ll material below planned new structures, among others. The scope of work also includes upgrades to existing on-site utilities and storm drainage system, installation of sports lighting at all three new facilities. The Master Plan requires a multi-phased development in close coordination with the Miami Open tennis tournament seasons.

HOPE VI Community Center, Miami, FL. BEA proposal that won $35 million from HUD for the Miami-Dade Housing Agency for major overhaul of Miami-Dade County's public housing projects. Included the design of a 15,000-SF community center for social services offering banking, job placement, continuing education and childcare using input from community.

BEA architects

BEA architects

registrations

Registered Architect: Florida
AR 0007260

General Contractor: Florida
CG-C016746

NCARB Certificate No. 19,768

Real Estate License: Florida
SL 0348243

education

Bachelor of Architecture with Honors
University of Miami
1972

professional affiliations

American Institute of Architects

Greater Miami Chamber of Commerce

BEA architects

experience

Mr. Colao has over 30 years of architectural experience, ranging from design to on-site construction management, and is expert in code requirements and coordinating a variety of engineering disciplines. As a partner and Senior Vice President of BEA, he manages large scale public and private sector projects involving parks, cruise terminals, retail facilities, office buildings and warehouses.

Millennia Atlantic University, Miami, FL. Project manager for the build-out of an 8,000-SF classroom facility. The small university consists of a lobby, eight offices with a side printer/copier room, three classrooms with interior glass, an admissions center with transaction windows, conference room, library with a small computer lab, 240-SF kitchen and break room and four storage areas including a server room. The facility will offer wireless Internet service.

Vineland Elementary School, Miami-Dade County, FL. Additions and renovations affecting 16,000 SF included adding a new media center along with fine arts suites and a primary classroom facility. The existing cafeteria in the school was converted to a cafetorium and upgraded to current code requirements for kitchen fire supression systems, electric utilities and ADA compliance. The cafetorium is a multiuse, expansive facility marked for both dining and auditorium functions. A full working stage as well as complete educational aids were incorporated into the design.

County Parks Renovation, Miami-Dade Park & Recreation Department, Miami-Dade County, FL. Project manager for a variety of renovations, upgrades and ADA retrofits to Miami-Dade County parks. The work varies from new restrooms, parking lots and after-school care facilities, to multipurpose rooms, jogging paths, gazebos, stadium bleachers and new kiln rooms. All interiors, restrooms, sidewalks and parking areas were upgraded for ADA compliance. The parks included Lake Lucerne Park, Larry & Penny Thompson Park, Miller Park, Olinda Park, Coral State Park, Soar Park, Ojus Park, Norman & Jean Reach Park and Buccaneer Park.

Bird's Lake Park Recreation Center, Miami-Dade Park & Recreation Department, Miami-Dade County, FL. Project manager and architect for complete A/E services for a 3,000-SF, one-story recreation building including kitchen facility, snack bar, restrooms, meeting room, mechanical and storage areas as well as a lighted parking lot and an 800-SF covered open area.

Crandon Park Cabanas, Key Biscayne, FL. Project manager and architect for rehabilitation of beach cabanas, retaining original 1950s style while upgrading to code. Involves integration of six facilities into new main sewer line.

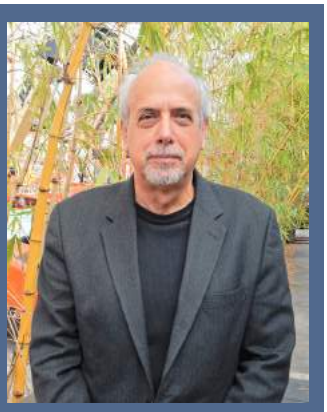
Bayshore Golf Club Storage Facility, Miami Beach, FL. Project manager for complete A/E services for an unusual bilevel structure, which is essentially a parking garage for golf carts. The 10,000-SF, $1 million facility harmonized with a new clubhouse. Disguised as a habitable building with arched openings and windows, the facility was designed to meet the City of Miami Beach's stringent review boards.

Bicentennial Maritime Park Master Plan, Port of Miami, Miami, FL. Master plan for a downtown park including four cruise ship berths, an outdoor amphitheater, vita course, soccer fields, nature walks, open spaces, retail shops and restaurants.and smooth metal panels consistent with Nissan's national standards.

BEA architects

Armando Trujillo, RA, LEED AP BD+C

Deputy Project Manager, Construction Administration, Code Analysis



registrations

Registered Architect: Florida
AR 0014721

Registered Architect: Texas
No. 10468

education

Bachelor of Architecture
University of Houston
1979

professional affiliations

LEED Accredited Professional

experience

Mr. Trujillo has over 32 years of experience as a registered architect, managing a wide variety of architectural projects with direct responsibility and accountability for day-to-day operations and performance of the project team. As the Deputy Project Manager, Mr. Trujillo is responsible for assessing and verifying contractual compliance on projects. His experience includes aviation, federal projects, higher education, hospitality and other commercial work.

Fashion, Art and Design District (FADD) Improvements, City of Hallandale Beach, Hallandale Beach, FL. BEA has been retained by the City of Hallandale Beach to provide a conceptual study and proposed improvements to existing commercial properties in the Fashion and Design District (FADD). The project includes streetscape improvements and a new arts park. BEA has already completed the pre-design for an addition to the Descarga Brewery stemming from this contract, which includes a new brew house, tap room and beer garden. Project responsibilities include conceptual façade revitalization of many properties, including schematic design and public outreach.

Temple Beth Am New Swimming Pool, Miami, FL. BEA provided full architectural and engineering services for a new swimming pool built at the Temple Beth Am Campus. Project responsibilities included design, permitting and construction administration services.

Wall of Honor, Miami-Dade Aviation Department, Miami International Airport, Miami, FL. BEA was retained by the Miami-Dade Aviation Department to conduct complete architectural and engineering services for the Wall of Honor, a memorial created at the Miami International Airport's North Terminal, that will honor members of the Armed Forces from South Florida that have died in the War on Terror since September 11, 2001.

Façade Improvements for 400-600 Foster Road Houses, City of Hallandale Beach Neighborhood Improvement Program (NIP), Hallandale Beach, FL. BEA was awarded this project of a conceptual facade revitalization of two multi-family houses as part of the City of Hallandale Beach's Neighborhood Improvement Program (NIP). The intent of the project is to provide exterior improvements for each house in order to improve their appearance on the public right-of-way. Project responsibilities include conceptual designs and preliminary cost estimates.

Port Everglades Southport Phase IX, Miami, FL. BEA provided planning, architecture, civil and environmental engineering, electrical engineering and surveying services for the design of a new 23 +/- acre cargo container yard at Port Everglades Southport. The new container yard planned and designed by BEA is part of an integrated expansion of the Port Everglades Southport Master Plan which also includes expansion of the Southport turning notch, modifications to numerous existing cargo yards now conducting cargo operations at Port Everglades Southport and re-alignment of McIntosh Road. The project involved extensive environmental assessment associated with storm water management design. The proposed drainage system must conform to existing stipulated drainage requirements of Southport's Drainage Master Plan as approved by Broward County and the State of Florida Department of Environmental Protection, and as amended in the past and most recently amended for the construction of the new FEC's Intermodal Container Transfer Facility (ICTF) immediately adjacent to the western parcel line of the new Southport Phase IX-B cargo yard.

SEED Charter School of Miami (Temporary Campus), South Miami-Dade, FL. The SEED Foundation is the nation's first public boarding school for underserved children, with chapters in Miami, Baltimore and Washington, DC. BEA was awarded this project by the SEED Foundation for a temporary campus for the new school being built in South Miami-Dade. Project responsibilities include schematic design and due diligence evaluation of the temporary campus.

BEA architects

Robert Draper, RA, NCARB

Senior Architect, Construction Administration, Specifications

registration

Registered Architect: Florida
AR96257

NCARB Certification No. 74968

education

Bachelor of Architectural Design
Florida International University
2002

experience

Robert Draper, a highly experienced design professional and registered architect, has had a long (15-year) career at BEA architects, Inc., with a wide spectrum of projects on his resume. One of his specialty areas is marine, cargo and transportation facilities. Nevertheless, he has been involved in a myriad of projects at almost every level.

Florida International University, School of Architecture, Miami, FL. International competition-winning schematic design of facilities. BEA provided complete A/E services for the 94,000-SF complex.

Vineland Elementary School, Miami-Dade County, FL. Additions and renovations affecting 16,000 SF included adding a new media center along with fine arts suites and a primary classroom facility. The existing cafeteria in the school was converted to a cafetorium and upgraded to current code requirements for kitchen fire supression systems, electric utilities and ADA compliance. The cafetorium is a multiuse, expansive facility marked for both dining and auditorium functions. A full working stage as well as complete educational aids were incorporated into the design.

Long Beach Cruise Terminal, Pier, Berth, Intermodal Center & Parking Garage, Carnival Cruise Lines, Long Beach, CA. A new berth adjacent to historic HMS Queen Mary was created. This $44 million project involved reusing a portion of the largest aluminum geodesic dome in the world (used to house Howard Hughes's Spruce Goose) for a modern cruise terminal with a unique check-in facility aboard the 65-year old HMS Queen Mary. A 1,200-foot pier was built on piles 200 feet offshore. Dredging and related marine infrastructure improvements accommodate the full range of Carnival's fleet. A new, 1400-vehicle parking garage was planned with its ground floor offering an efficient intermodal transfer facility, and sufficient parking revenue was assured. A new energy plant building was designed for the 10-acre complex. Mr. Draper provided construction documents.

Port Canaveral Cruise Terminal No. 1 with Parking Facility, Canaveral Port Authority, Cape Canaveral, FL. Mr. Draper was the senior planner and lead architect for the 190,000 sf cruise terminal facility. The technology of the building incorporates tilt up wall construction with an interior steel frame structure. This technology allowed for the rapid schedule of 11 months to be successfully accomplished. The interior finishes and architectural expression all incorporate maritime colors and shapes. A unique branding and way finding package was implemented allowing the terminal to change from day to day and cruise line to cruise line with a simple push of a button.

Cargo Area Gate Complex, Port of Miami, FL. Design-build of a new cargo gate complex, including support infrastructure, for over 120 acres of land. The project includes wireless communications and video surveillance for the entire 120-acre terminal facility. The project increases the Terminal Operating Company's number of daily gate moves from a maximum of 1100 to 1800. The project includes a 16-lane high-tech gatehouse allowing all transactions to occur at this remote facility. In addition, four of the 16 lanes are designed to be reversible, allowing POMTOC the flexibility to rapidly accommodate peak traffic flows. One hundred-foot-high radio antenna poles are located throughout the 120 acres, transferring pickup and delivery information to the top-loader operators.

Bill Seidle Dealerships, South Florida. Construction documents for complete A/E services for two dealerships. Suzuki in Davie, FL: 11,000 SF, $1.2 million new facility including site improvements. Nissan in Miami, FL: 5,000 SF 2nd-floor addition, $2.75 million. Mr. Draper also handled permitting for this project.

BEA architects

Adrian Price, RA, NCARB

Senior Project Designer, Cost Estimating & Scheduling

registrations

Registered Architect: Florida
AR 97981

NCARB Certification No. 83552

education

Master of Architecture
Florida International University
2009

Bachelor of Arts of
Architectural Studies [Honors]
University of Technology (Jamaica)
Caribbean School of Architecture
2005

BEA architects

experience

As a Senior Project Designer, Mr. Price plays an integral role in most projects at BEA. Mr. Price achieved the Academic Excellence Award 2009, from the Florida International University School of Architecture. He was also awarded the Florida International University Tau Sigma Delta Bronze Medal in 2009 and the Tau Sigma Delta Honor Society of Architecture & Allied Arts in 2008.

Ransom Everglades Aquatic Center, Coconut Grove, FL. Provided CADD services in the elaboration of elevations and plans for a $7 million Aquatic Center Complex that contains bleachers for 1,000 spectators, lockers, offices and other support spaces. BEA provided complete A/E services for this aquatic center in a sensitive and historical environment. The building has an above ground competition-sized pool, training pool, arena, gymnasium, offices, ancillary facilities and parking areas. The surrounding landscape design includes a seating plaza dedicated to the students and two new tennis courts. A beautified walkway links the new sports facilities to the existing gymnasium and football field to unify the school's sports complex. BEA also conducted a program and budget verification, zoning and code analysis and design concept.

Cruise Terminal No. 1 with Parking Facility, Canaveral Port Authority, Port Canaveral, FL. Design-build of state-of-the-art, 188,000-SF passenger cruise terminal. The two-story facility is designed to meet the comfort needs of passengers, is fully handicapped accessible and conforms to the technical and operational requirements of mega cruise ships -- the largest cruise ships in the industry that hold 5,000 passengers. ***(included CBP facilities)***

Bandshell Park Facilities Renovations, Miami Beach, FL. Provided sensitive restoration and rehabilitation services to the City of Miami Beach's 1961 Norman M. Giller Bandshell Theater. Restoration and facility upgrades were required for this outdoor performance venue's historic Miami-Modern Architecture to handle more varied performances. The improvements includes structural repairs, electrical systems upgrades, ADA improvements to backstage areas and rest rooms, increasing acoustical performance, enhanced sound and lighting systems, improving functionality of the loading dock and to enhance the overall user experience for visitors to the theater.

Ransom Everglades School Science & Math Building Renovation, Coconut Grove, FL. BEA provided Architectural & Engineering services as part of the Design-Build project to renovate the Ransom Everglades School Science & Math Building. The scope of work centered around a complete interior remodel of the 4 science labs which including modifications to the electrical, mechanical, HVAC, plumbing and gas systems. BEA also provided interior space planning, which included integration of new laboratory equipment and furnishings along with life safety improvements. The Math Classrooms received new energy efficient, high level windows which provided daylighting and improved the overall quality of the space.

Pelican Harbor Marina Dockmaster Facility, Miami-Dade County, FL. Provided complete architectural and engineering services for a new, two-story dockmaster building offering offices, a multipurpose room, restrooms, and a laundry facility for boaters renting slips in its marina. The 3,000-SF structure boasting Art Deco Revival style is located on a small key between Miami's mainland and Miami Beach. Site improvements include replacing light poles and all new landscaping.

Cruise Terminal No. 6, Canaveral Port Authority, Port Canaveral, FL. Mr. Price was the BIM and CAD Production Manager for the design-build and state-of-the-art, 105,000-SF passenger cruise terminal. The two-story facility is designed to meet the comfort needs of passengers, is fully handicapped accessible and conforms to the technical and operational requirements of mega cruise ships - the largest cruise ships in the industry that hold 5,000 passengers. Special attention was being given to passenger needs in an effort to enhance the overall cruise experience. For example, passengers approaching the terminal will be able to see cruise-related information on large LED display screens that are being incorporated into the building facade. Passenger drop-off areas will have wide canopies to provide shelter from the sun and rain. The tall curtain wall in the lobby area will provide passengers with views of cruise ships, as well as bring natural light into the space. ***(included CBP facilities)***

registrations

Registered Architect: Florida

AR 94625

education

Master of Architecture

Florida International University

2007

Bachelor of Design in

Architectural Studies

Florida International University

2004

BEA architects

experience

Mr. Zamora is a registered architect with over 14 years of experience, ranging from government and municipal public projects to commercial and large residential apartment projects. Graduating from Florida International University with his Master of Architecture degree, he has worked on a wide variety of projects for the likes of the Miami International Airport, PortMiami and Miami-Dade County Parks.

IMG Crandon Park Tennis Center Renovation, Key Biscayne, FL. BEA Architects is responsible for new construction, expansion and improvements to the existing Crandon Park Tennis Center facility. Phase I scope includes a 5,000 seat Grandstand, locker rooms, fitness assessment rooms, physical therapy and hydro-therapy rooms, the NW Addition to the existing stadium as well as site and utility improvements. The site of the Crandon Park Tennis Center is a former dump site which ceased operations in 1977, pursuant to Florida Statutes and Florida Department of Environmental Protection regulations. As the proposed expansion and new construction work at the existing tennis center will have an impact on existing below-grade conditions associated with the former dump site, BEA has been leading a team of civil and environmental engineers through the process of assessing existing below-grade conditions as well as meetings and negotiations with Florida Dept of Environmental Protection, South Florida Water Management District and Miami-Dade County DERM agencies. Salient among numerous innovative measures taken to design and build new above- and below-ground infrastructure, BEA is implementing design of special foundations to limit excavation of materials; providing passive as well as mechanical ventilation to manage methane gas and other below-grade emissions; encapsulating fill material below planned new structures, among others. The scope of work also includes upgrades to existing on-site utilities and storm drainage system, installation of sports lighting at all three new facilities. The Master Plan requires a multi-phased development in close coordination with the Miami Open tennis tournament seasons.

Port Canaveral Cruise Terminal 1 and Parking Facility, Port Canaveral, FL. A state-of-the-art 190,000 SF passenger cruise terminal facility also includes a 1,000-space parking garage and Intermodal Center as well as a 1,400-foot-long berth facility. The terminal complex provides a landscaped public plaza, accented by a tensile sail structure for shade purposes, that connects the cruise terminal complex to nearby dining, shopping and entertainment options available to both cruise passengers as well as to crew members. The passenger waiting area has been located at the second floor of the terminal and is provided with a 200-foot-long north-facing glazed wall that provides panoramic views of Port Everglades. Another design effort to enhance the overall passenger experience locates both the Intermodal Center and Passenger Drop-off areas at the ground level of the parking garage, thus providing shade and shelter from the sun and drenching summer rains while providing the shortest walking distance to the cruise terminal complex.

Expansion and Renovation to Cruise Terminal No. 2 Building, Port of Galveston, TX. This prestigious newly-awarded (2014) project is a Design I Build fast-track expansion of an existing 90,000-square-foot terminal by adding 60,000 square feet on two stories - 30,000 square feet on each ftoor. The facility will accommodate ships carrying more than 4,000 passengers. Plans also include expanding areas for passenger screening, baggage handling and customs enforcement.

Cape Liberty Cruise Terminal, Bayonne, New Jersey. Master Planning, Site Planning, Schematic Design for a new $45 million, 106,000- Cruise Terminal and CBP facility, 1,300 space - five level parking garage structure, on-grade parking lot and Ground Transportation Area / Intermodal facility. The Cruise Terminal and Parking Garage facilities are being designed to achieve LEED Silver rating. The design of the Cruise Terminal and CBP areas conform to most recent Cruise Terminal Design Standards and CBP Minimum Physical Security Requirements as published by the Department of Homeland Security. The result is a streamlined CBP facility that virtually eliminates redundancies inherent in previous terminals design. BEA is capitalizing on its professional relationships and past experience leading and coordinated the design process with technical reviewers and professional staff from Homeland Security's office in Indianapolis, Indiana.

Metromover Bicentennial Park Station Rehabilitation, Miami, FL. Design-Build project for the rehabilitation of the Metromover Bicentennial Park Station in Downtown Miami. This included the replacement of existing escalator, elevator, ceiling, light fixtures, people counters, and modifications to the existing canopy along with other repairs. Work also included site improvements such as grading, paving, drainage, painting, lighting, and landscaping; all of which was coordinated with the design of the new Miami Art Museum. The primary mechanism for determining compliance with the program was USGBC's LEED Rating System, which was successfully implemented throughout the project.

education

Master of Architecture
Florida International University
2015

Bachelor of Architecture (5-year)
Magna Cum Laude
Universidad Central de Venezuela
2012

awards

AIA Florida Bronze Medal
Student of the Year Award
Fall 2015

Worlds Ahead Award
Florida International University
Summer 2015

Superior Master Thesis Award
Florida International University
Spring 2015

BEA
architects

experience

Ms. Mendt provides architectural design support to the BEA team, in addition to assisting to develop project cost estimates and schedules. She is a highly qualified project visualization designer with many years of experience using Autodesk REVIT, Adobe InDesign/Illustrator/ Photoshop, Google SketchUp, Artlantis Studio, Autodesk Maya and AutoCAD throughout a wide spectrum of project types.

On a daily basis, Ms. Mendt will evaluate site conditions, conduct zoning research, prepare construction documents, develop design concepts, prepare presentations using computer assisted design (CAD) software, and all while managing positive client relations and attending meetings with both clients and contractors.

Temple Beth Am New Swimming Pool, Miami, FL. BEA provided full architectural and engineering services for a new swimming pool built at the Temple Beth Am Campus. Project responsibilities included design, permitting and construction administration services.

Wall of Honor, Miami-Dade Aviation Department, Miami International Airport, Miami, FL. BEA was retained by the Miami-Dade Aviation Department to conduct complete architectural and engineering services for the Wall of Honor, a memorial created at the Miami International Airport's North Terminal, that will honor members of the Armed Forces from South Florida that have died in the War on Terror since September 11, 2001.

Fashion, Art and Design District (FADD) Improvements, City of Hallandale Beach, Hallandale Beach, FL. BEA has been retained by the City of Hallandale Beach to provide a conceptual study and proposed improvements to existing commercial properties in the Fashion and Design District (FADD). The project includes streetscape improvements and a new arts park. BEA has already completed the pre-design for an addition to the Descarga Brewery stemming from this contract, which includes a new brew house, tap room and beer garden. Project responsibilities include conceptual façade revitalization of many properties, including schematic design and public outreach.

SEED Charter School of Miami (Temporary Campus), South Miami-Dade, FL. The SEED Foundation is the nation's first public boarding school for underserved children, with chapters in Miami, Baltimore and Washington, DC. BEA was awarded this project by the SEED Foundation for a temporary campus for the new school being built in South Miami-Dade. Project responsibilities include schematic design and due diligence evaluation of the temporary campus.

Façade Improvements for 400-600 Foster Road Houses, City of Hallandale Beach Neighborhood Improvement Program (NIP), Hallandale Beach, FL. BEA was awarded this project of a conceptual facade revitalization of two multi-family houses as part of the City of Hallandale Beach's Neighborhood Improvement Program (NIP). The intent of the project is to provide exterior improvements for each house in order to improve their appearance on the public right-of-way. Project responsibilities include conceptual designs and preliminary cost estimates.

Heidi Rodriguez, NCARB-IDP

Production Team Manager, BIM /CAD Support

education

Bachelor of Science in Architecture

University of Florida

2010

professional affiliations

NCARB-IDP

awards

Luminaire Award

Environmental Technology 2

University of Florida

2009

Architectural Student of the Year

Miami Dade College

Kendall Campus

2008

BEA architects

experience

Ms. Rodriguez provides CAD and BIM support to BEA team of architect and designers. She is a highly qualified digital modeling and visualization designer with many years of experience using Revit Building Information System (BIM), Rhinoceros 3d + V-Ray, Illustrator, Photoshop, SketchUp and AutoCAD throughout a wide spectrum of project types.

Port Canaveral Cruise Terminal No. 1 Parking Facility, Port Canaveral, FL. A 1,000-space parking garage and Intermodal Center serves a state-of-the-art 190,000 SF passenger cruise terminal facility, as well as a 1,400-foot-long berth facility. Ms. Rodriguez was responsible for developing Revit BIM, Rhinoceros 3d + V-Ray, Illustrator, Photoshop, SketchUp illustration support for fast paced Design / Build cruise terminal project. Coordinated extraction of CAD 2D files from Revit BIM models for use as base drawings by the architects, structural and MEP engineers.

Port of Miami Master Plan Study, Port of Miami, FL. BEA has been retained by Port of Miami to conduct an assessment of existing cruise terminal and docking facilities as well as parking and other ancillary services and make recommendations regarding potential cruise terminal expansion opportunities. Responsible for developing Revit BIM, Rhinoceros 3d + V-Ray, Illustrator, Photoshop, SketchUp illustration support to the architects and planners working on the report.

BVI Pier Expansion Project – British Virgin Islands, Tortola. BEA is providing architect and engineering services for the highly complex expansion of an existing pier facility to accommodate large cruise vessels. Ms. Rodriguez is providing Revit BIM support to the architect and engineer team by modeling structural upgrades new foundation systems for the pier. Once 3D BIM models are reviewed and approved, AutoCAD 2D drawing files are extracted from the 3D BIM models and are shared with A/E design team members.

IMG Crandon Park Tennis Center Renovation, Key Biscayne, FL. BEA Architects is responsible for new construction, expansion and improvements to the existing Crandon Park Tennis Center facility. Phase I scope includes a 5,000 seat Grandstand, locker rooms, fitness assessment rooms, physical therapy and hydrotherapy rooms, the NW Addition to the existing stadium as well as site and utility improvements. The site of the Crandon Park Tennis Center is a former dump site which ceased operations in 1977, pursuant to Florida Statutes and Florida Department of Environmental Protection regulations. As the proposed expansion and new construction work at the existing tennis center will have an impact on existing below-grade conditions associated with the former dump site, BEA has been leading a team of civil and environmental engineers through the process of assessing existing below-grade conditions as well as meetings and negotiations with Florida Dept of Environmental Protection, South Florida Water Management District and Miami-Dade County DERM agencies. Salient among numerous innovative measures taken to design and build new above- and below-ground infrastructure, BEA is implementing design of special foundations to limit excavation of materials; providing passive as well as mechanical ventilation to manage methane gas and other below-grade emissions; encapsulating fi ll material below planned new structures, among others. The scope of work also includes upgrades to existing on-site utilities and storm drainage system, installation of sports lighting at all three new facilities. The Master Plan requires a multi-phased development in close coordination with the Miami Open tennis tournament seasons.

Expansion and Renovation to Cruise Terminal No. 2 Building, Port of Galveston, TX. Responsible for developing Revit BIM, Rhinoceros 3d + V-Ray, Illustrator, Photoshop, SketchUp illustration support for fast paced Design / Build project to expand and renovate the existing Cruise Terminal 2 facility. Coordinated extraction of CAD 2D files from Revit BIM models for use as base drawings by the architects, structural and MEP engineers. Project is a Design I Build fast track expansion of an existing 90,000-square-foot terminal by adding 60,000 square feet on two stories - 30,000 square feet on each ftoor. The facility will accommodate ships carrying more than 4,000 passengers. Plans also include expanding areas for passenger screening, baggage handling and customs enforcement.

TLC Engineering for Architecture, Inc. provides clients with exceptional high-performance engineering design, consulting and energy services. Founded in 1955 and consistently ranked as one of the largest MEP and structural engineering firms in the country, TLC is an industry leader delivering high-performance building design and consulting services on a wide array of building types, including health care, commercial, educational, institutional, hospitality, retail, entertainment and more. TLC's extensive experience and expertise in these building types is applied to engineer high-performance, complex projects that are completed on schedule and within budget.

Headquartered in Orlando, Florida, TLC has offices across Florida in Jacksonville, Tampa, Miami, Cocoa, Deerfield Beach and Ft. Myers, along with offices in Nashville, Tennessee; New Orleans, Louisiana; Dallas and San Antonio, Texas. The team of 350+ professionals includes 80 PEs, 20 EIs, 80 LEED Accredited Professionals and 30 ACG Registered Commissioning Authorities, along with energy management professionals, building energy modeling professionals, healthcare facility design professionals, and certified specialists in indoor air quality, plumbing design, security, technology and control systems. TLC has provided engineering design and energy services for buildings across the United States and in numerous foreign countries.

MEP/FP – In addition to designing complex, high-performance mechanical, electrical, plumbing and fire protection systems for a wide variety of new and renovated building types, TLC's MEP/FP design experience and expertise includes central plants, utility distribution, indoor air quality, code compliance review, comprehensive master plans and feasibility studies, along with specialized systems such as pre-conditioned air, thermal energy storage, low temperature air distribution, computer power distribution, heat pipe and desiccant systems for humidity control, chilled beams, variable refrigerant flow and the latest technology in building controls.

Structural – TLC specializes in structural solutions that are as creative as they are functional, with particular expertise in structural analysis and design, 3-D computer modeling, building and threshold inspections, existing building evaluations and investigations. In early 2016 TLC acquired Allan + Conrad, a longtime structural engineering firm in Central Florida, that had a rich history of working with several leading Florida architectural firms, facility owners and construction firms and complementing TLC's commitment to client service.

Communications & Technology – Using the latest software and tools, TLC's RCDD-credentialed staff produces cutting-edge designs that support unique project requirements. Rapidly evolving technology demands that designs are crafted for flexibility, growth and change. Specialized applications include integrated security, audio/visual presentation, voice/video/data distribution, public address/sound, acoustical analysis, intercom, closed circuit television, broadband distribution and video telepresence.

BIM – TLC was an early adopter of BIM for MEP and structural engineering, thus has more than a decade of experience, resulting in streamlined designs that are integrated with architectural partners, support construction activities and achieve clients' goals. TLC standard design and production tools include Revit MEP and Revit Structural and IES Virtual Environment for energy modeling and design analysis. TLC has interoperability experience in coordinating models via Navisworks, leveraging third-party software to enhance efficiency and using integrated project delivery (IPD) to gain constructability and real-time cost data.

Energy – In addition to designing high-performance new and renovated buildings, TLC provides an array of energy services focused on the design and operation of sustainable, energy-efficient existing buildings, including energy auditing, new building commissioning (Cx), existing building commissioning (EbCx), net operating income improvements (NOII), energy modeling and sustainability consulting. TLC's staff of specialty LEED Accredited Professionals, Certified Commissioning Authorities, Energy Management Professionals and Building Energy Modeling Professionals has delivered 312 LEED-certified projects, as well as projects targeting compliance with the Florida Green Building Coalition, Green Globes and the Living Building Challenge. TLC was among the first MEP firms to commit to the AIA 2030 Challenge and continues to progress towards the aggressive goals embodied by this commitment.

TLC Engineering for Architecture, Inc. is an employee-owned corporation classified as a large business.

ENGINEERING
FOR ARCHITECTURE

GARY C. KRUEGER, PE, CM, LEED AP BD+C

Division Director / Senior Structural Engineer

Experience

Gary is the Division Director in TLC's Cocoa office, as well as a Senior Structural Engineer. He joined TLC in 1988 with six years of prior experience and has risen through the firm to sit on the Board of Directors. He is intimately involved in developing new projects and clients for TLC and remains active through the design and construction process. Gary has a wide array of structural design experience and is particularly well versed in addressing wind loads requirements. His experience includes building analysis and design involving conventional structural steel, reinforced concrete, and precast concrete systems as well as foundations, high-rise structures, long span space trusses, and prestressed concrete design, and challenging mat deep foundations. Gary also consults as a forensic engineer and is a Diplomat member of the American Board of Forensic Engineers. He also holds Florida Special Inspectors license and is a certified manager as recognized by the Institute of Certified Professional Managers. Selected relevant projects include:

Deltona Regional Library Addition, Deltona, Florida
Addition to include library functions as well as county social services and environmental learning center. Certified LEED NC 2.2 Silver. $6 million / 25,000 sf new construction, 25,000 sf renovated space

Boynton Beach Library, Boynton Beach, Florida
Two-story addition and renovation of existing library. $5.8 Million / 58,000 sf

Winter Haven Library, Winter Haven, Florida
Feasibility Study and engineering design was provided for expansion, which included coffee shop and restroom modifications. $3.6 Million / 31,500 sf

Acreage Library, Acreage, Florida
New Library. $2.4 Million / 18,000 sf

West Osceola Branch Library, Celebration, Florida
New single story library. $1.2 Million / 10,000 sf

PBSC Humanities Building, West Palm Beach, Florida
The 4-story classroom facility with adjoining lecture hall functions include art classrooms, paint studio, kiln, and similar uses. Structural system design includes load bearing, tilt wall construction; long-span composite steel framing and a cast-in-place concrete stair tower. $10 Million / 49,000 sf

FAU North Palm Beach Library Classroom Addition, N. Palm Beach, Florida
New construction of building renovations was provided for new library and classroom additions, along with chiller plant modifications. $4.5 Million / 47,437 sf

Education
Michigan State University
B.S., Civil Engineering
1983
Michigan State University
M.S., Structural Engineering
1983

Years of Experience
TLC Years 27
Prior Years 6

Registrations
NCEES # 39682
PE FL # 40788
PE AL # 22948
PE GA # PE034747
PE MA # 48792
PE TX # 102687
PE VA # 0402051320
PE MO # 2016006420

Certifications
Certified Manager
Diplomate
LEED AP
LEED AP BD + C
Special Inspector

Professional Affiliations
American Concrete Institute (ACI)
American Institute of Steel Construction (AISC)
American Society of Military Engineers (SAME)

BEA architects

Port St. John Library, Port St. John, Florida
Addition and renovations to the Port St. John Library. $1.3 Million / 15,000 sf

Port St. John Library, Port St. John, Florida
Addition and renovations to the Port St. John Library. $1.3 Million / 15,000 sf

Pahokee Library Renovation, Palm Beach, Florida
Renovations to existing library. $300,000 / 4,500 sf

St. Lucie Cultural & History Center, Ft. Pierce, Florida
Renovation of facility. 6,600 sf

Merritt Island Library Addition/Renovation, Merritt Island, Florida
Addition and renovation. $1.9 Million / 16,000 sf

Cocoa Library 2nd/3rd Floor Structural Review, Cocoa, Florida
Review of existing floor structure and provide repairs as required. 50,000 sf

Mims Library Floor Repair, Mims, Florida
Provide design engineering and construction drawings for the repairs to the floor at Mims library. $80,000

Boynton Beach Library Cafe, Boynton Beach, Florida
Coffee shop tenant accommodations for existing library.

Lake Co - Cagan's Crossing Library, Tavares, Florida
Evaluation and assessment of HVAC performance issues.

Lake Alfred Library Renovation, Lake Alfred, Florida
Renovated single story, 6,000 sf medical facility into a new library.$750,000

Brevard County Central Library Archive Addition, Cocoa, Florida
Library addition. 2,500 sf

ANIEL FERNANDEZ, PE, LEED AP

Mechanical Project Engineer

Education
CUJAE University, Cuba
B.S., Mechanical Engineering
1994

Years of Experience
TLC Years 2
Prior Years 18

Registrations
PE FL # 66841

Experience
Aniel has over 19 years of experience in mechanical design, consulting engineering and management. His project experience includes: schools, clean rooms, production plants, laboratories, medical office buildings, kitchen ventilation design, and commercial office buildings. His field experience includes mechanical and plumbing inspections, and plan review in both fields. He uses energy simulation software tools to evaluate energy performances which are utilized for conceptual facility designs, State and Federal code compliance, LEED certifications, Energy Star certifications and AIA 2030 Challenge calculations.

Broward County Public Library AHU Design Resolution, Fort Lauderdale, Florida
Design solution to resolve the condensate issues in the west air handlers.

City of Wellington Community and Tennis Center, Wellington, Florida
MEP/FP Engineering services for a 25,000 sq ft Community Center and a 2,400 sf Tennis Center/$3 million

Coral Springs Municipal Complex, Coral Springs, Florida
Five story municipal building with an adjacent parking garage/retail building. The parking garage consists of post office space on the ground level; and multi-level parking with an approximate capacity of 300 cars. The municipal building includes offices and commission chambers on the ground floor, offices and meeting areas on the second floor, IT offices and fitness center on third floor, and additional office space for government services on the fourth and fifth floor. $32 million/275,000 sf. / LEED NC 2009/ Targeting Silver

Deerfield Community Center, Deerfield Beach, Florida
MEP and FP Services for the construction of a 2400 SF single level community center and associated amenities in Deerfield Beach, Fl. Energy savings elements will be considered where possible. Building will have 2 Multipurpose rooms and support spaces. $15,000 / 2,400 sf

New Beach Library - Pompano, Pompano Beach, Florida
The project is to consist of design of a new beach library of approximately 5,000 sf. The building will include located at the intersection of Riverside Drive and NE 2nd Street in Pompano Beach, Florida. $1.5 million / 4,800 sf

Riviera Beach Community Redevelopment Agency Marina District, Riviera Beach, Florida
Master Planning oversight, security and MEP infrastructure, as well as MEP/LEED Services for building projects including a 500 car garage and 25,000 sf of Newcomb Hall./$25.4 million/23,251 sf

ENGINEERING
FOR ARCHITECTURE

JASON A. STINCHCOMB, PE, LEED AP BD+C, CxA

Senior Electrical Engineer

Education
Florida Atlantic University
B.S., Electrical Engineering
1996

Years of Experience
TLC Years 13
Prior Years 10

Registrations
PE FL # 58184

Professional Affiliations
USGBC

Experience
Jason has 4 years experience in installation as an electrician and 17 years experience in design of electrical systems for a variety of projects for the federal government, municipalities, public and private. Projects include port, educational, residential, public safety, assisted living, office, industrial, post office, water treatment plants, research, terminals and recreational facilities. His electrical design experience includes lighting, fire alarm, intrusion detection, communications, lightning protection, high mast lighting, lighting control, emergency power/co-generation, and power distribution. Jason has performed field inspections and construction administration for various projects. He has also done electrical studies of existing and future facilities including cost estimates. Selected relevant projects include:

Coral Springs Municipal Complex, Coral Springs, Florida
Five story municipal building with an adjacent parking garage/retail building. The parking garage consists of post office space on the ground level; and multi-level parking with an approximate capacity of 300 cars. The municipal building includes offices and commission chambers on the ground floor, offices and meeting areas on the second floor, IT offices and fitness center on third floor, and additional office space for government services on the fourth and fifth floor. $32,000,000 / 275,000 sf. / LEED NC 2009/ Targeting Silver

Deerfield Community Center, Deerfield Beach, Florida
Project consists of MEP and FP Services for the construction of a 2400 SF single level community center and associated amenities in Deerfield Beach, FI. LEED or Commissioning services are not required by the project, but energy savings elements will be considered where possible. Building will have 2 Multipurpose rooms and support spaces. $15,000 / 2,400 sf

Florida Atlantic University Library Office Addition, Jupiter, Florida
Renovation of open study area into two newly configured offices and reception area located in the Library Building #LY-3. $20,000 / 400 sf

New Beach Library - Pompano, Pompano Beach, Florida
The project is to consist of design of a new beach library of approximately 5,000 sf. The building will include located at the intersection of Riverside Drive and NE 2 d Street in Pompano Beach, Florida. $1.5 million / 4,800 sf

Riviera Beach Community Redevelopment Agency Marina District, Riviera Beach, Florida
Master Planning oversight, security and MEP infrastructure, as well as MEP/LEED Services for building projects including a 500 car garage as 25,000 sf of Newcomb Hall. $25.4 million / 23,251 sf

BEA architects

TAW NORTH, RCDD, LEED AP
Technology Operations Director

Education
United States Military Academy, West Point
B.S., Mechanical Engineering
1995

Years of Experience
TLC Years 9
(Hire Date: 11/27/06)
Prior Years 6

Registrations
RCDD# 162174R

Professional Affiliations
Member, Society of American Military Engineers (SAME)
Member, U.S. Green Building Council, North Florida Chapter
Member, Florida Healthcare Engineers Association (FHEA)

Experience
Taw is a TLC Principal with over 15 years of experience designing and commissioning low voltage technology systems in healthcare, commercial, and educational facilities. Taw's expertise includes voice-data, security & access control systems, and audio-visual systems. His extensive experience in designing, testing, and commissioning healthcare systems includes nurse call, code blue, fire alarm, patient records, and medical equipment. Taw works closely with Owners to assure their project's technology and equipment goals are met and systems are fully operational upon occupancy. Following 14 years of technology design experience, including telecommunications, security, access control systems and CCTV, Taw was named as Director of TLC's Technology Group. He has instructed BICSI accredited courses, authored various technical papers regarding cabling and served as a contributing author for a LAN design guide.

Fulton County Public Library System, Atlanta, Georgia
Technology design services for eight new branch libraries and two library renovations/expansions. A particularly important aspect of the overall information expansion effort includes the development of content for the wayfinding and video wall installations planned for use in the libraries, including: Building Information, Announcements, Wayfinding, Building Energy Display, Collaboration Station, Donor Wall, Gallery Wall, Public Art, Interactive Displays and Audio. TLC is also assisting the county with Proof of Concept studies, procurement, budget management, and requests for proposals for the technology systems./ 15,000 sf to 50,000 sf/$67 million

Seguin Public Library, Seguin, Texas
Commissioning and design of MEP/FP and C&T systems for a new two-story library, which incorporates a geothermal mechanical system. C&T services include voice/data, audio/visual, and security systems. $11 million / 45,000 sf

UNF Library Learning Commons, Jacksonville, Florida
Project consisted of schematic design for the renovation of the first and second floor of the UNF library to create Learning Commons' areas. MEP, FP and Technology engineering services' scope included renovation of the library to make way for office spaces, study rooms, presentation rooms, media studios, and collaboration technology areas. Also included was renovation of the existing services desk area, entry way to include upgrades to the security gates, space for a new ITD helpdesk, and incorporation of new furniture and technology to enhance the student experience.

West Regional Library, Luling, Louisiana
Renovation of an existing library, new lighting, mechanical units, plumbing fixtures, and audio / visual were provided. Also a 3,000 square infill was provided as part of this project. $2.8 million / 3,000 (new construction), 24,700 (renovation)

Keith and Associates, Inc. was incorporated as a Florida corporation in 1998. As a mid-size closely-knit firm, we provide civil engineering, construction management, comprehensive planning, landscape architecture, surveying and mapping and subsurface utility engineering services. The firm was founded on the principal of achieving success by combining the latest technology with client oriented business practices, and a staff of experienced and talented professionals.

The firm's civil engineering, CEI, surveying, planning, landscape architecture and construction management team of experts has extensive past and ongoing experience with both large-scale private and public sector projects. Our staff combines the technical work experience of over 80 professionals, each with an extensive working knowledge of local and regional projects. This convergence of experience has resulted in the development of a tremendous database of knowledge and information concerning local, past and ongoing projects, which is an invaluable asset to any company.

Keith and Associates, Inc. understands the importance of community involvement and the necessity of working with local, state, and federal agencies in a hands-on cooperative manner to build consensus and receive subsequent approval of highly sensitive projects. This approach represents an underlying philosophy of the firm which results in a quality product, with emphasis on scheduling and cost effectiveness through team oriented management and quality control.

DBE -- M/WBE Certifications
Keith and Associates, Inc. is certified as a Disadvantaged Business Enterprise with various public agencies.

FDOT Work Groups 3, 8, 10, 13, 15:
Keith & Associates, Inc. is certified with the Florida Department of Transportation in 3.1 Minor Highway Design, 3.2 Major Highway Design, 8.1 Control Surveying, 8.2 Design, Right of Way & Construction Surveying, 8.4 Right of Way Mapping, 10.1 Roadway Construction Engineering Inspection, 13.6 Land Planning/Engineering and 15.0 Landscape Architecture.

The professionals of Keith and Associates, Inc. continue to take great pride in the success of their undertakings. We look forward to the opportunity to provide you professional services.

CIVIL ENGINEERING:
Keith and Associates, Inc. has extensive experience in providing professional services required for the development or redevelopment of land including the permitting, design, coordination and construction of roadway / parking area(s), stormwater, potable water, utility, and wastewater systems. Recognizing and expecting that each development or redevelopment project has its own unique site issues, Keith and Associates, Inc. performs a thorough investigation into these issues in order to avoid planning, design, coordination, and construction issues. Our engineers have the knowledge and expertise to meet the needs of a wide variety of general civil engineering issues.

Keith and Associates, Inc. staff has provided comprehensive planning and engineering services in various disciplines involving many government agencies, institutions, and municipalities. We have had the honor and privilege of serving as one of the City of Pompano Beach's Civil Engineering consultants for the past thirteen years on a continuing service basis. Our ability to work with municipalities, government agencies and other consultants, while providing close coordination with the client result in projects being completed on time and within budget. Keith and Associates, Inc. has found great success utilizing a team approach that has led to effectively identifying problems and defining solutions.

TRACI R. SCHEPPSKE, CGC, CM-BIM, LEED AP
Vice President

Experience Highlights
More than 29 years of owner's rep, project management, and design experience

Expertise in overseeing all aspects of engineering design, permitting and construction for governmental and private sector projects.

Registration
State of Florida, Certified General Contractor # 1516581

Education
A.S., Architecture and Engineering Design, Catonsville Community College, Catonsville, MD, 1988.

Professional Training/Seminars
Certification of Management Building Information Modeling CM-BIM

Green Building Certification Institute LEED Accredited Professional

Strategies for success in LEED and Urban Heat Island Effect

Environmental Resource Protection - Design/Permitting seminar, South Florida Water Management District.

Turner School of Construction Management Certification

Professional/Civic Affiliations
BIM Smart Foundation Member

BuildingSMART Foundation Member

South Florida Water Management District Regulatory Peer Review Forum (Participant)

Traci Scheppske has more than 29 years of Owners Rep, Project Management and Design experience with land development firms. As Senior Engineering Manager she has provided complete project services overseeing all aspects of the Engineering design, permitting and construction for multiple projects for both commercial and residential developments. Her responsibilities include engineering design, and complete project management for land development projects with emphasis on site development, water distribution, sanitary sewer, drainage and roadway design. In addition to cost estimating, quantity take-offs, and bid evaluations she has extensive experience with project scheduling and coordination for design and construction. She regularly coordinates efforts for utility service/relocation with FPL, Bellsouth/AT&T Cable, gas etc., as well as, various disciplines such as Planning, Surveying, Architectural, Landscaping, and Construction. Her work has included all aspects of project management, design, and permitting and construction coordination for projects extending from Palm Beach County to the Florida Keys.

PROJECT EXPERIENCE

Design/Build Pier Parking Garage, City of Pompano Beach CRA, FL: The new parking garage will include five stories, 625 parking spaces, speed ramp to facilitate access to higher levels of the garage and retail space on the ground level fronting NE 3rd Street and the new Pier Street. As part of the design/build team, Keith and Associates is responsible for Planning, Surveying, Utility Coordination/Investigation, Civil Engineering, Landscape and Irrigation Design, Permitting and Construction Inspection of the project.

Fire Station 7 and Emergency Management Facility, Hallandale Beach, FL: The building program and design for the City's new main fire rescue headquarters and emergency management facility were developed to achieve LEED Silver Certification and include a 25,000 square feet, two-story complex with four apparatus bays and living quarters for up to 16 firefighters. In addition to on-duty fire rescue staff, the building will house the City's Fire Prevention Bureau including office space for fire inspectors, plans review and public education. Keith and Associates is providing Civil Engineering, Landscape Architecture and SUE services.

Nova Southeastern University Child Development Center, Davie, FL: Keith and Associates assisted with the coordination of the site plan approval process through the Town of Davie and Broward County for a private educational facility, as well as provided complete engineering design, project management and permitting coordination through all governmental agencies.

Broward Health North Emergency Department Expansion, Deerfield Beach, FL: In December 2011, Broward Health North received approval for an estimated $70 million construction project that would address key facility needs that included construction of a new Central Energy Plant; development of a new building façade that would serve to modernize the appearance of the facility; rectify water intrusion problems; expansion and redesign of the current Emergency Department; renovation/Construction of new Surgical Suites and Cardiac Central Care Unit; general refurbishment of patient care and public areas. As a sub-consultant to Perkins + Will, Keith and Associates is currently providing engineering, landscape architecture, construction administration, and engineering services. All design packages for the project including; SD, DD, CD's and as-builts will be provided utilizing Building Information Modeling in accordance with Broward Health BIM Execution Plan.

PROJECT EXPERIENCE

Pompano Beach Fire Station #103, Pompano Beach, FL: As a sub-consultant to Currie Sowards Aguila Architects, Keith and Associates is providing civil engineering, permitting and surveying services for this new fire station. The facility will be 2-stories at approximately 13,000 square feet. Keith and Associates' responsibilities include preparing preliminary design reports, feasibility analyses, site plans and design alternative recommendation, preparing surveys, design plans, technical specifications and cost estimates, prepare and process all required permit applications and providing construction engineering inspection services. Ms. Scheppske is serving as the client liaison, while managing the overall project team.

S.F.R.T.A. Pompano Beach Tri-Rail Station, Pompano Beach, FL: Keith and Associates provided the Surveying and QA/QC supplemental services for the 30% Design Criteria Package for the expansion of the Pompano Beach Station as a Sub-Consultant to Kimley-Horn and Associates, Inc. Our responsibilities included complete topographic design surveying, review of the 30% Civil Engineering plans and Specifications including; paving grading and drainage, water and sewer, pavement marking and signage, in addition to the specifications as it relates to the permitting process through the agencies having jurisdiction.

Seminole Tribe of Florida Hollywood Recreational Facility/Complex (Phase I): Keith and Associates is a Sub-Consultant on the project responsible for all aspects of the Civil Engineering and Landscape Architecture design. Keith and Associates will be preparing the infrastructure design and calculations to support for the proposed improvements including design of the Gymnasium, 3 baseball/ softball fields, soccer/event field with bleachers, batting cages, concession stand and parking ball fields, design of the parking area, landscaped/green space, storm water drainage improvements, Scope of services also included are construction engineering inspections and project construction management.

Tradewinds Park, Coconut Creek, FL: K&A was responsible for providing complete civil engineering design, permitting, construction inspection and certification services for the redevelopment of the existing park facilities including the relocation of the baseball fields and concession area, soccer fields, seating area, proposed pavilion for Broward County Parks and Recreation. The scope of work included water distribution, sanitary sewer, drainage, grading, pavement marking and signage, surface water pollution prevention and ADA compliance design, plans and permits. Since the water and sewer services within the park are provided by the City of Coconut Creek, Keith and Associates, Inc. performed capacity analysis for both systems to ensure they would be capable of providing acceptable service. In addition, Keith and Associates, Inc. assisted Broward County Parks and Recreation Division to process water and sewer agreements with the City of Coconut Creek.

Quiet Waters Park, Deerfield Beach, FL: Keith and Associates provided complete surveying, civil design, permitting, and construction management services for redevelopment/improvements throughout Broward County's Quiet Waters Park (427 acre regional park). The improvements included the complete demolition and reconstruction of the gatehouse/ticket booth facility, realignment of the main park entrance at Powerline Road, construction of a new main maintenance facility and service yard used for all Broward County Parks, new restroom building, rehabilitation of existing parking lots and sidewalks throughout the site to meet ADA criteria, and drainage/water distribution/wastewater collection improvements throughout. Since most the improvements were isolated within the park and the park has a limited wastewater gravity collection infrastructure; Keith and Associates designed and permitted several lift stations, force mains and/or septic systems throughout the park to provide sanitary sewer service to these isolated improvements.

Pompano Pier Renovation: Keith and Associates was part of the Design Criteria Team responsible for Surveying and Civil Engineering for the Pompano Pier Renovation project including schematic designs and standard criteria for the RFQ.

MARK CASTANO, P.E.
Senior Engineering Manager

Experience Highlights
More than 19 years of civil engineering, planning and construction administration experience

Expertise in engineering design, permitting, construction administration and project management

Education
B.S., Civil Engineering, Florida International University, 1997

Professional Registration
State of Florida
Professional Engineer, #75644

Professional Affiliations
Florida Engineering Society (FES)

American Society of Civil Engineers (ASCE)

Mark Castano has more than 19 years of experience in Civil Engineering projects throughout South Florida. His qualifications include planning, engineering design, permitting, construction administration and project management for a variety of Civil Engineering projects. His experience includes designing and managing a wide variety of public and private land development (residential, commercial, institutional and industrial) projects. He has extensive technical knowledge in water distribution systems, stormwater management systems, sanitary sewer systems including sewer lift stations, gravity sewers and force mains, roadway design throughout Miami-Dade, Broward, and Palm Beach counties. Mr. Castano has had numerous project management responsibilities including managing contracts, multi-disciplinary teams, municipal Capital and Engineering programs, managing and setting up bid procurement processes, and preparation and monitoring project budgets.

PROJECT EXPERIENCE

Design/Build Pier Parking Garage, City of Pompano Beach CRA, FL: The new parking garage will include five stories, 625 parking spaces, speed ramp to facilitate access to higher levels of the garage and retail space on the ground level fronting NE 3rd Street and the new Pier Street. As part of the design/build team, Keith and Associates is responsible for Planning, Surveying, Utility Coordination/Investigation, Civil Engineering, Landscape and Irrigation Design, Permitting and Construction Inspection of the project.

Quiet Waters Park, Deerfield Beach, FL: Keith and Associates provided complete surveying, civil design, permitting, and construction management services for redevelopment/improvements throughout Broward County's Quiet Waters Park (427 acre regional park). The improvements included the complete demolition and reconstruction of the gatehouse/ticket booth facility, realignment of the main park entrance at Powerline Road, construction of a new main maintenance facility and service yard used for all Broward County Parks, new restroom building, rehabilitation of existing parking lots and sidewalks throughout the site to meet ADA criteria, and drainage/water distribution/wastewater collection improvements throughout. Since most the improvements were isolated within the park and the park has a limited wastewater gravity collection infrastructure; Keith and Associates designed and permitted several lift stations, force mains and/or septic systems throughout the park to provide sanitary sewer service to these isolated improvements.

Deerfield Beach CRA, ADA Facilities Assessments, Deerfield Beach, FL: Mr. Castano provided field review and assessment services of the existing conditions concerning pedestrian sidewalks within the public right-of-ways of the City's Community Redevelopment Agency district limits. The assessment resulted in a report of the conditions of the existing sidewalks relative to ADA criteria and requirements, and the consideration of installing new and/or reconstructing the existing sidewalks. Field reporting identified obstructions, slope issues, drainage concerns and parking space impacts/reductions. The final report contained viability recommendations and a cost analysis.

Quigley Park Tennis Center, Parkland, FL: Keith and Associates is the prime consultant for the Parkland Tennis Center at Quigley Park Project and has been providing Surveying, Planning, Engineering, Landscape Architecture design/permitting and construction management services. This project includes demolition of an existing 5.4 acre City park to accommodate the construction of a new state-of-the-art tennis center with twelve (12) clay hydro courts (including one (1) center court with covered bleacher area), one (1) practice court, one office building with restroom/locker room facilities, one maintenance building, required specialty lighting/landscape/irrigation and other site amenities. Mr. Castano is the Project Engineer responsible for preparing design/construction documents and technical specifications. In addition, Mr. Castano processed all required site engineering permits through the

PROJECT EXPERIENCE

various jurisdictional agencies; including processing a stormwater permit modification through North Springs Improvements District to modify the master stormwater permit for the overall 673 acre area master plan. Mr. Castano also led the value engineering phase of the project to ensure the project would fit within City of Parkland's budget.

City of Sunrise City Hall Municipal Campus Master Plan: As a sub-consultant to Song + Associates, Keith and Associates Inc. is serving as the Civil Engineer for the development of the new City of Sunrise - City Hall Municipal Campus Master Plan. Mr. Castano performed engineering services to support the master planning and alternative evaluation for several site option development alternatives to present to City staff, City officials and other area stakeholders as it pertains to the water distribution, sanitary sewer collection and stormwater management systems. These evaluations included identifying the potential impacts and recommendations associated with each master plan Site Option developed by Song and Associates.

Tradewinds Park, Coconut Creek, FL: Mr. Castano served as Project Engineer, and was responsible for complete civil engineering design, permitting, construction inspection and certification services for the redevelopment of the existing park facilities including the relocation of the baseball fields and concession area, soccer fields, seating area, proposed pavilion for Broward County Parks and Recreation. The scope of work included water distribution, sanitary sewer, drainage, grading, pavement marking and signage, surface water pollution prevention and ADA compliance design, plans and permits. Since the water and sewer services within the park are provided by the City of Coconut Creek, Keith and Associates, Inc. performed capacity analysis for both systems to ensure they would be capable of providing acceptable service. In addition, Keith and Associates, Inc. assisted Broward County Parks and Recreation Division to process water and sewer agreements with the City of Coconut Creek.

Alta Mira Apartments, Miami, FL: The project includes the redevelopment of a pre-existing mobile home park known as "The Palm Trailer Park" into a new 240 unit apartment complex with the units varying in size from 1, 2 and 3 bedrooms. The proposed development will include all the amenities typically associated with gated communities; including on-site clubhouse, recreational facilities, swimming pool, buried utilities, as well as other facilities that will serve for community-based activities. Keith and Associates provided planning, feasibility study, engineering design, permitting, utility coordination and surveying.

Heron Heights Elementary, Parkland, FL: Project Engineer responsible for complete civil engineering design, permitting, construction inspection and certification services for the development of a new 914 student elementary school for the School Board of Broward of County located within the City of Parkland. This project also included improvements to surrounding infrastructure such as water mains, force mains, roadways and turn lanes in order to support the new school.

Discovery Elementary, Sunrise, FL: Project Engineer responsible for complete civil engineering design, platting modifications, permitting, construction inspection and certification services for the development of a new 900 plus student elementary school for the School Board of Broward of County located within the City of Sunrise. This project also included off-site infrastructure improvements such as water main extension, roadway widening, school zone flashers and turn lanes in order to support the new school.

Pinnacle Village, Pompano Beach, FL: This project, located in Pompano Beach, is a 148-unit affordable housing multifamily project, which substantially enhanced the quality of life for residents of the community. Mr. Castano was solely responsible for reviewing construction plans for conformance with code and inspecting all construction activities related to Paving, Grading, Drainage, Water Distribution and Sewerage Collection System and offsite roadway improvements along State Road 945 (Powerline Road) and all coordination with client, contractor, public agencies, utilities and affected property owners. Funding was secured from numerous entities including HUD.

Michael Phillips, R.L.A.
Director of Landscape Architecture

Experience Highlights
More than 30 years of Landscape Architecture experience.

Expertise in site inventory and analysis, landscape and hardscape design, construction detailing, Florida Friendly Landscaping' planting plans and irrigation systems, plazas, FDOT compliant streetscapes, public park master planning and project management.

Education
Bachelors of Science
Interior Design 1985
Florida State University

Professional Registrations
FL Registered Landscape Architect LA0001540, 1995

Professional Affiliations
United States Green Building Council – South Florida

American Society of Landscape Architects (ASLA)

Michael Phillips has over 30 years of experience in the field of Landscape Architecture spanning both the private and public sectors. He has developed and managed projects from preliminary schematic design through final completion. His commercial project experience ranges from small retail projects to large office and industrial commercial developments. Michael has experience with institutional properties as well as government and public agency projects. Some commercial office projects include several regional and corporate headquarters in South Florida and are located from Miami to the Palm Beaches. He is also experienced with design for golf course, resort and resort hotel projects. Mr. Phillips' residential experience ranges from small single family homes, to private estates, and includes multi-family townhomes, apartments and condominium projects. He has also developed landscape plans for educational, business and medical campuses. Additionally, he is well versed in LEED requirements, 'Florida Friendly Landscaping' guidelines, Green Book Standards and FDOT design standards.

By incorporating analysis and inventory of existing site conditions, Mr. Phillips has produced Landscape Architecture construction documents that include vegetation surveys, tree disposition plans, and mitigation plans. He has also developed hardscape design and layout with details, grading plans, planting plans, lighting plans and irrigation plans. These successful designs include site amenities, such as swimming pools and patios, fire pits, outdoor kitchens, fountains, water features, parks, plazas, project entry features, waterway and greenway enhancements.

In addition to design and overall project management, Mr. Phillips plays a critical role as the QA/QC officer for the Landscape Architecture department. In conjunction with the deliverables schedule, he develops QA/QC milestones that aid in keeping the project on schedule, while ensuring plans are compliant with all applicable codes, ordinances and Indexes. Additionally, his input is key in site inventory and analysis, coordinating with our Survey Department to establish the location and species of trees and appraising the dollar value of such trees, which is paramount in the process of developing tree disposition plans followed by landscape plans that preserve existing trees and vegetation.

PROJECT EXPERIENCE

City of Boca Raton Western Library, Boca Raton, FL: Project Landscape Architect responsible for site detailing, landscape plans, tree removals and mitigation plans. Plans for bidding and construction were produced that related to the unique location of the facility on the old IBM property.

Spanish River Library, Boca Raton, FL: Mr. Phillips provided Landscape, Irrigation and Mitigation for new city library and community center in Boca Raton. Since then, the facility *has hosted dozens of weddings, meetings, receptions, parties, and other special events since it opened.*

City of Pompano Beach CRA - Design/Build Beach Parking Garage, Pompano Beach, FL: The new parking garage will include five stories, 625 parking spaces, speed ramp to facilitate access to higher levels of the garage and retail space on the ground level fronting NE 3rd Street and the new Pier Street. As part of the design/build team, Keith and Associates is responsible for Planning, Surveying, Utility Coordination/Investigation, Civil Engineering, Landscape and Irrigation Design, Permitting and Construction Inspection of the project.

Fire Station 7 and Emergency Management Facility, Hallandale Beach, FL: The building program and design for the City's new main fire rescue headquarters and emergency management facility were developed to achieve LEED Silver Certification and include a 25,000 square feet, two-story complex with four apparatus bays and living quarters for up to 16 firefighters. In addition to on-duty fire rescue staff, the building will house the City's Fire Prevention Bureau including office space for fire inspectors, plans review and public education. Keith and Associates is providing Civil Engineering, Landscape Architecture and SUE services.

Deerfield Beach Entryway Sign, Deerfield Beach, FL: Keith and Associates is providing Landscape Architecture, Civil Engineering and Surveying services for a new monument sign to be erected at Federal Highway and Hillsboro Boulevard. The landscape design will beautify the area with plant materials that are suited to the existing conditions and are easily maintained. The survey includes topographic survey, location of trees and locations of utilities in the area. The civil engineering includes grading, drainage plan adjacent to the area.

Margate CRA General Engineering Consulting Services, Margate, FL: Keith and Associates is providing civil engineering, surveying, utility locating, landscape architecture, traffic and environmental services for this continuing services contract for the Margate CRA. Mr. Phillips is responsible for managing the landscape architecture requirements providing QA/QC for projects identified in the CRA's Capital Improvement Plan.

City of Pompano Beach CRA ALI Cultural Center Landscape/Hardscape Design – Pompano Beach, FL: Keith and Associates, as sub consultant to DK Architects, is in charge of Civil Engineering and Landscape Architecture for this cultural center. The Landscape Department did full site analysis and evaluation to prepare tree disposition plans showing tree preservation and tree removal; subsequently prepared landscape/hardscape plans for the outdoor amenities. Trees in some islands were placed in tree grates to allow for pedestrian corridors through the parking lot. The property has exterior plazas for events and exterior pedestrian corridors to connect the neighborhoods with the commercial area on MLK Boulevard.

Seminole Palms Park, Palm Beach County, FL: Landscape architect involved in the production of site details for ball fields and recreation amenities. Responsible for the design of landscape plans that incorporated a mix of appropriate native and non-native plants. Plans for bidding and construction were produced that incorporated site plans, site details, and landscape plans.

Seminole Palms Aquatic Park, Palm Beach County, FL: Landscape architect responsible for landscape and irrigation plans for the aquatic facility. Also developed design and layout of features such as slides, lazy river, splash pads and wading pools. Performed on-site coordination with contractor and conducted inspections.

Bethesda West Memorial Hospital, Boynton Beach, FL: Project Landscape Architect responsible for landscape plans and irrigation plans for this 58-acre regional hospital in Palm Beach County. This large campus-like site included landscaped perimeter buffers, a network of lakes, and an internal roadway system. Michael designed and produced plans that exceeded the Palm Beach County and local landscape requirements. Michael also designed and coordinated the planting of the offsite medians for Boynton Beach Boulevard in accordance with Palm Beach County and F.D.O.T. design guidelines.

Office Depot Headquarters, Boca Raton, FL: The world headquarters for the Office Depot Corporation consists of three five story office buildings, two parking garages, surface parking, and natural buffer areas. Michael was the project Landscape Architect responsible for design and site detailing, landscape plans, irrigation plans, tree preservation, removals and relocations. Michael worked in the field to establish the limits of vegetation removals and to protect the natural buffers. This field coordination of mitigation requirements and protection of existing natural buffers was an integral part of the construction. Michael also coordinated with the contractor during the installation of the new planting. Michael also designed and coordinated the relocation of existing trees within the offsite medians of Military Trail and coordinated with the Civil Engineer and FDOT.

MICHAEL MOSSEY, P.S.M.
Senior Project Surveyor

Experience Highlights
Over 38 years of experience in land surveying and mapping in South Florida

Education
Maryville College, Maryville, Tennessee

Professional Registration
Professional Surveyor & Mapper, Florida (#5660) 07-06-96

Professional Affiliations
Florida Society of Professional Surveyors & Mappers

Secretary, Broward Chapter, FSMS, 1999-2000 and 2000-2001

Mr. Mossey has 38 years of experience in land surveying and mapping in South Florida. He has extensive senior project management experience for large-scale projects and continuing service, on-call type contracts for both public and private sector clients. He is a highly talented Quality Surveyor with a successful track record in budget estimation, valuation of items and completing projects on time. His ability to lead the team to perform in a fast paced environment and meet stringent deadlines has provided critical schedule enhancements for our clients.

Mr. Mossey is knowledgeable in the use of a wide range of state-of-the-art surveying equipment, automated field data collection systems and associated computer technologies. He has extensive experience in field crew supervision, quality control and client relations. He has overseen and performed construction, right-of-way, control, boundary, as-built (both acreage and coastal), topographic, quantity and condominium surveys. In addition, he has provided full service platting in the tri-county area jurisdictions, title encumbrance determinations, GIS data base building and American Land Title Association (ALTA) surveys. His experience includes numerous coastal topographic surveys in accordance with the current requirements of the Florida Department of Environmental Protection, Division of Beaches and Shores.

SELECTED PROJECT EXPERIENCE

Design/Build Pier Parking Garage, City of Pompano Beach CRA, FL: The new parking garage will include five stories, 625 parking spaces, speed ramp to facilitate access to higher levels of the garage and retail space on the ground level fronting NE 3rd Street and the new Pier Street. As part of the design/build team, Keith and Associates is responsible for Planning, Surveying, Utility Coordination/Investigation, Civil Engineering, Landscape and Irrigation Design, Permitting and Construction Inspection of the project.

Fort Lauderdale Marriott Pompano Beach Resort & Spa, Pompano Beach, FL: The new Fort Lauderdale Marriott Pompano Beach Oceanfront Resort & Spa is set to open July 1, 2013 and is an overhaul of the former Ocean Point Hotel which includes two adjacent towers (one renovated, one new) with 219 rooms included with private balconies, and more than 8,000-square-feet of meeting and function space, including a 4,000-square-foot oceanfront ballroom, pools, restaurants, a fitness center and a 2-story parking garage. The resort is the first hotel to break ground in Pompano in a decade following the construction of the Residence Inn Fort Lauderdale Pompano Beach Oceanfront (former Ocean Sands Resort & Spa) in 2002. Keith and Associates coordinated the site plan approval process through the City of Pompano Beach for this luxury beach-front hotel site as well as provided complete engineering design, project management, and permitting coordination through all governmental agencies.

General Engineering/Surveying Services Contract, Pompano Beach, FL: Thru our continuing services contract, Keith and Associates has provided surveying and mapping services for multiple parks and publics spaces within the City. As Survey Project Manager Mr. Mossey prepared Boundary and Topographic surveys, as well as sketches of description for Pompano Community Park, Highlands Park, Alsdorf Park, Rustic Bridge Park, Founders Park and Lovely Park.

Tradewinds Park, Coconut Creek, FL: Keith and Associates was responsible for providing complete civil engineering design, permitting, construction inspection and certification services for the redevelopment of the existing park facilities including the relocation of the baseball fields and concession area, soccer fields, seating area, proposed pavilion for Broward County Parks and Recreation. The scope of work included water distribution, sanitary sewer, drainage, grading, pavement marking and signage, surface water pollution prevention and ADA compliance design, plans and permits.

PROJECT EXPERIENCE

Brickell CityCenter, Miami, FL: Keith and Associates is providing surveying and subsurface utility engineering (SUE) services associated with the vertical drilling operations. Survey tasks include providing layout, as-built and general on-call surveying services.

Pompano Beach Oceanside Fire Station #11, Pompano Beach, FL: Keith and Associates is working with a team of consultants with the primary responsibility of surveying and platting to construct a new barrier island Oceanside Fire Station (Station # 11) in Pompano Beach. The proposed site required a land use plan amendment, rezoning, platting and site plan approval before the station could be permitted. K&A coordinated with City staff and other consultants to properly time the plat approval in conjunction with the plan amendment as well as coordinating with the architect and FDOT for the plat opening along A-1-A for the fire station driveway. As Survey Project Manager, Mr. Mossey prepared Boundary and Topographic Design Survey including tree locations and identifications for this new public facility station on A-1-A including offsite improvements. Services included easement vacations plat preparation, processing and recordation.

Pompano Beach Fire Station #103, Pompano Beach, FL: As a sub-consultant to Currie Sowards Aguila Architects, Keith and Associates responsibilities included the following services: preparing boundary and topographic surveys; plat preparation and processing; preparation of documents and attendance meetings for the site plan approval; pre-application meeting with agencies having jurisdiction; prepare all required bidding and construction documents for the projects, design plans, supplementary contract requirements, technical specifications and cost estimates; provide assistance for LEED BD+C rating documentation and processing; prepare and process all required plat permit applications and submittal packages as required for permit issuance of all agency permits (i.e. State, County and City);

Pompano Beach GIS Mapping Services Pilot Project, Pompano Beach, FL: Keith and Associates was tasked to locate all water meters and valves, sanitary manholes and cleanouts, and storm drainage inlet structures and manholes with at least sub-meter grade GPS (Global Positioning System). The general limits of the project are from McNab Road (SE 15th Street) to the southerly edge of water of Lettuce Lake (just North of SE 8th Street) and from the easterly right-of-way of Federal Highway to the westerly edge of water of the Intracoastal Waterway. Mr. Mossey served as Senior Project Surveyor for this GIS project and is currently working in this geographic area and progress up to 1,550 data points. Once completed, K&A will edit the files by moving the existing utilities, including any pipes, services or laterals that connect to the structure, to the true, GPS-verified location. The attribute data attached to each utility will remain unchanged.

Lauderdale Marine Center: Mr. Mossey served as Project Surveyor for this industrial marina redevelopment project located on the New River in the City of Fort Lauderdale. Project included surveying, land acquisitions, land use modifications, rezoning, site engineering and design, permitting, community liaison, platting, construction inspection services, environmental assessments and construction cost estimates on this 50-acre state-of-the-art marina complex. With diligent project management and aggressive construction administrative services the 34-acre Phase 1 Marina was completed on time and within budget in 2006. The project has now completed the 18-acre Phase 2 Boat Yard and Marina expansion of similar uses as Phase 1. Offsite improvements include: roadway, utility and drainage improvements to resolve existing issues within the neighborhood roadways.

City of Ft. Lauderdale General Services: As Survey Project Manager, Mr. Mossey prepared extensive Topographic Design Surveys for City of Ft. Lauderdale's Water Works 2011 Program for redevelopment of approximately 20-square miles of infrastructure in the City's utility expansion program. Projects included the Miami Road, Sewer Septic Areas 8, 3 and 4, Wastewater Treatment Plants and the Sistrunk Boulevard project.

FIRM OVERVIEW

SIEBEIN ASSOCIATES

Clearwater Library

Siebein Associates is a leading acoustical consulting firm established in 1981 with an office in Gainesville, Florida. We have a broad range of diverse experience in acoustical design and research that enables us to provide state-of-the-art consulting services for a wide variety of project types. We specialize in the design of spaces for natural acoustic and amplified performances in many venues. We have pioneered the use of advanced acoustical measuring systems to evaluate acoustical challenges in rooms as well as computer modeling methods to assess prospective design solutions. We provide computerized design calculations and model studies for proposed designs and sound system layouts as part of our basic services. We also have the equipment to perform field measurements in conformance with ANSI, ASTM, ISO and other standards for most acoustic situations in existing buildings.

Senior Principal Consultant, Gary W. Siebein founded the firm to bring the advanced acoustical modeling, measuring, predicting and evaluation tools developed in his university research laboratory to truly value-engineer acoustical systems in a wide variety of actual building acoustic and environmental noise projects.

We have received awards for research and acoustical design from the American Institute of Architects, the Association of Collegiate Schools of Architecture, the National Council of Acoustical Consultants and Progressive Architecture.

We have completed work on over 1800 challenging projects and we are one of the premier acoustical consulting firms in the world.

MISSION

At Siebein Associates, Inc., our company values and design ideologies are philosophy grounded, theory based, and practice driven. We rely on our team's innovation, expertise, collaboration, inspiration, resourcefulness, artful designs, scientific methodologies, and proven results to achieve superior acoustics in every situation. We are committed to work in a fully integrated way with clients, architects, user groups, and other key design team members to establish unique acoustical identities specific to the requirements and ambitions of every project.

Gary W. Siebein, FASA, FAIA

Senior Principal Consultant

Gary W. Siebein, founder of Siebein Associates has over 30 years' extensive experience in environmental noise and assessment, human and community response to noise, and instrumentation and methodology for the measurement, monitoring and analysis of sound levels. He is experienced in all phases of acoustical design, performance, and assessment in buildings from conceptualization to construction administration and post-occupancy studies and has ***worked on more than 1,800 projects*** worldwide. He specializes in acoustical analysis for numerous building types to develop cutting edge, yet practical solutions for sound enhancement and noise mitigation.

He is also a Professor Emeritus in the School of Architecture at the University of Florida where he directed a graduate program in building and environmental acoustics from 1980 to 2015. He is an international leader in acoustic and soundscape research. He has written five books, 16 book chapters, and over 200 technical papers and monographs in architectural and environmental acoustics that have been presented at regional, national and international professional society meetings.

EXPERIENCE

- Faculty Member (Professor), University of Florida (1980-2015)
- University Research Foundation Professor (1999-2002)
- Director, Architecture Technology Research Center (1985-2015)
- Principal Consultant, Siebein Associates. Acoustical consulting commissions in private practice, including space shaping of theaters, interior and exterior noise control, mechanical system noise control, and sound system design (1981-present)
- Architectural design work in several small firms in southwestern Connecticut (1972-1980)

RELEVANT PROJECTS (Partial List)

- Orlando Public Library
- Clearwater Main Library
- Elsie Quirk Public Library
- Fruitville Public Library
- Ocala Library
- UWF John C. Pace Library
- Dr. Phillips High School
- Ft. Stewart Elementary School
- Ringling College Library
- Valencia Community College Building 4
- Vietnam Broadcast Studios
- Edgewater High School
- Polk Community College / USF Technology Center

PROJECTS IN PALM BEACH COUNTY (Partial List)

- Brazilian Court Hotel Proposed Chiller
- Brazilian Court New Chiller Acoustical Measurements
- City Place Apartments Party Wall Review
- City Place Outdoor Mechanical Equipment Noise
- Conniston Middle School Aircraft Attenuation Noise Study
- Everglades Youth Camp Firing Range
- Fellowship Hall Family Life Center
- Flight Safety International New Training Center
- Flight Safety International Simulator Bay Noise Reduction
- GL Homes Atlantic Commons Traffic Noise Study
- GL Homes DuBois Berm and Wall Noise Study
- GL Homes Florida Turnpike Highway Noise Barrier Study
- GL Homes Greystone HUD Noise Assessment
- GL Homes Lyons West Traffic Noise Study
- GL Homes Mecca Dubois and Voustas
- GL Homes Mini Assemblage Traffic Noise Study
- Graden's Preserve HVAC Noise
- Harris Corporation New High Technology Office
- Harris Residence Generator Noise

SIEBEIN ASSOCIATES

AREAS OF EXPERTISE

Environmental Noise; Architectural Acoustic Design; Mechanical System Noise & Vibration Control

EDUCATION

M.A. (Architecture), 1980
University of Florida

Bachelor of Architecture, 1978
Rensselaer Polytechnic Institute

B.S. (Building Science), 1972
Rensselaer Polytechnic Institute

REGISTRATION

Registered Architect
Florida # 8846

AFFILIATIONS

Fellow, American Institute of Architects
Fellow, Acoustical Society of America
Member, National Council of Acoustical Consultants
Member, American Society for Testing & Materials
Member, American Society of Heating, Refrigerating & Air-Conditioning Engineers

PROFESSIONAL EXPERIENCE

40+Years

CONTACT INFORMATION

625 NW 60th Street, Suite C
Gainesville, Florida 32607
352-331-5111 x 16
gsiebein@siebeinacoustic.com

BEA architects

THE**SPINNAKER**GROUP


AVENTURA OPTIMA PLAZA - ROOF TOP GARDEN


NSU'S CORAL REEF ECOSYSTEMS RESEARCH


JOE DIMAGGIO
CHILDREN'S HOSPITAL


MIAMI DESIGN DISTRICT

Project Certifications To-Date:

3	58	29	11	2

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- Contractor Credit Facilitation

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- Over 100 LEED Certified Projects To-Date
- Over 200 Projects In-Progress
- Professional Engineers & Architects
- Licensed Building Commissioners
- LEED APs; BD+C, ND, CI, EBO+M, FGBC, WELL, Living Future & LBC, National Green Building Standard
- CSI, CDT, BEMP, PX, BN, CMC Certifications
- LEED Fellow, LEED Faculty

VALUABLE, PROVEN RESULTS

LEED Certified Projects are Proven To:

- Increase Productivity
- Lower Energy Costs
- Increase Lease Rates and Leasing Velocity
- Increase in Market Value
- Competitive pricing for all Green Building and LEED related services

AWARD WINNING

- USGBC South Florida Chapter, Gala Verde Project Award Winners
- USGBC South Florida Chapter, Firm of the Year Award
- ULI Project of the Year
- 2013 South Florida Business Journal "Business of the Year"
- 2013 AIA Palm Beach "Consulting Firm of the Year"
- 2013 Sustainable Florida "Best Practices" Award

BEA architects

THESPINNAKERGROUP
3236 Huntington
Weston, FL 33326
P (754) 800-3100 ext. 201
F (954) 217-3614
www.thespinnakergroupinc.com

Mission Statement
To provide best in class sustainable green building design consulting services to Corporations, Private Companies, Government entities client throughout the world.

Company Profile
The Spinnaker Group Management is a Professional Services organization founded and operated by experienced professionals in the Sustainable and LEED Consulting and Certification, Florida Green Building Consulting, Building Commissioning, Engineering and Energy Management. The Spinnaker Group was incorporated in the State of Florida in 2003, celebrating over 10 years in business, and is a certified DBE & WBE. The Spinnaker Group is a Certified Engineering Firm by the Florida Board of Professional Engineers.

The Spinnaker Group is providing sustainable design, certification, commissioning and consulting services to a broad range of projects including retail, mixed use, commercial office, university buildings, government facilities, schools and high rise residential. TSG has over 100 LEED certified projects and is currently working on over 200 projects that are all pursuing LEED Certification.

The Spinnaker Group provides the following services:

- LEED Certification & Sustainable Design Consulting
- Design Charrette Facilitation
- Building Commissioning
- Green Material Sourcing
- Integrated Design Process Management
- Energy & Daylight Modeling
- Life Cycle Cost Analysis
- Green Marketing & Training

The Spinnaker Group has extensive knowledge and experience in the application of the LEED Rating Systems. TSG can assist you in maximizing your credits in the areas of Sustainable Sites, Water Efficiency, Energy and Atmosphere, Materials and Resources, Indoor Environmental Quality and Innovation and Design.

By using Integrated Design practices, The Spinnaker Group strives to help you achieve your Green Building goals with little or no cost increase over standard construction.

LEED certified buildings typically:
- Improve Productivity
- Lower Energy Costs
- Increase lease rates and leasing velocity
- Increase in market value

THESPINNAKERGROUP
3236 Huntington | Weston, FL 33332
robhink@thespinnakergroupinc.com | P: 954.347.0967

ROB HINK,LEED AP, BD+C/OM/ND
ROLE IN CONTRACT: PRINCIPAL IN CHARGE

YEARS OF EXPERIENCE: 30 **YEARS OF EXPERIENCE AT SPINNAKER:** 11
EDUCATION: US Naval Academy, BS Mechanical Engineering
PROFESSIONAL LICENSES: LEED AP
PROFESSIONAL AFFILIATIONS: USGBC LEED Faculty
OTHER CERTIFICATIONS: LEED Fellow, LEED Faculty, LEED AP Building Design + Construction (66512-AP-BD+C) LEED AP Operations + Maintenance (66512-AP-O+M) LEED AP for Neighborhood Development (66512-AP-ND)

KEY QUALIFICATIONS

Rob Hink, LEED AP, BD+C/OM/ND is the Principal and Senior Vice President at The Spinnaker Group; a firm that has been involved in the design of over 100 LEED certified projects and is currently involved in more than 200 LEED projects, both locally, nationally and internationally. The firm has also provided commissioning services on more than 500 million square feet of buildings. Rob is a Past President of the USGBC South Florida Chapter and has achieved the prestigious title of USGBC LEED Faculty. Rob has been involved with USGBC governance for more than 8 years. Rob has more than a decade of full-time green-design and commissioning experience, and more than 25 years' experience in facilities management, project management and energy management, and control systems. After graduating from the US Naval Academy with a BS in Mechanical Engineering, Rob spent the first eight years of his professional career in the United States Navy nuclear power program serving in the submarine force and acquiring extensive experience in power generation, mechanical and electrical systems, and leadership expertise. After leaving the Navy, Rob taught HVAC and Electrical Theory at the collegiate level.

RELEVANT EXPERIENCE

Pompano Beach Fire Station 11 and 103: The Spinnaker Group is providing LEED Consulting and Building Commissioning on these projects, which are pursuing LEED Certification.
Village of Wellington Village Hall and Municipal Complex: The Spinnaker Group provided LEED Consulting and Building Commissioning for this 54,000 square foot, $10.5 million dollar municipal complex which was LEED certified Gold.
Edgar Mills Community Center: The Spinnaker Group provided LEED Consulting, Building Commissioning and Energy Modeling for this 50,000 square feet, $15.5 million dollar multi-purpose center in Broward County which achieved LEED Silver Certification.
Young at Art/Broward Library: The Spinnaker Group provided LEED Consulting and Building Commissioning for this 55,000 square foot, $15 million dollar Broward County museum and library which achieved LEED Gold Certification.
Gibson Park: The Spinnaker Group provided LEED Consulting, Commissioning and Energy Modeling for this $9.6 million dollar City of Miami park renovation project which is in the process of pursuing LEED Certification.
Children's Crisis Center in Homestead: TGS is providing LEED Consulting and Building Commissioning for this 9,000 sq. ft, $2.1 million dollar facility which is pursuing LEED Certification.
City of Coral Springs Sustainable Consulting - Coral Springs, FL: Worked with Planning and Zoning to develop Sustainable Design Guidelines to be use by architect and builders and the City's Architectural Review Board. Provide project review during P&Z application to ensure projects meet the City's Sustainable Design requirements.

THESPINNAKERGROUP
3236 Huntington | Weston, FL 33332
Jonathan Burgess | jonathan@thespinnakergroupinc.com | P: 954.347.0967

JONATHAN BURGESS, RLA, LEED AP, BD+C/ND
ROLE IN THIS CONTRACT: VICE PRESIDENT, SUSTAINABLE OPERATIONS, LEED PROJECT MANAGER

TOTAL YEARS EXPERIENCE: 11 **YEARS EXPERIENCE CURRENT FIRM:** 4
EDUCATION: University of Rhode Island, Bachelor of Landscape Architecture
PROFESSIONAL LICENSES: RLA (LA6667220) LEED AP (#10157149) BD+C, ND
PROFESSIONAL AFFILIATIONS: USGBC, ULI, ASLA

KEY QUALIFICATIONS

Jonathan oversees the Sustainability Division's vision, mission and overall direction while leading, mentoring, planning and evaluating the work of all project managers. His firm has been involved in the design of over 100 LEED certified projects and is currently involved in more than 200 LEED projects, both locally, nationally and internationally. Jonathan was the LEED Project manager on the first LEED ND (Neighborhood Development) project in the City of Miami; the Miami Design District, and has managed over two dozen (Building Design + Construction (BD+C) projects since joining The Spinnaker Group. Jonathan is also the Immediate Past Chair of the USGBC Florida-Caribbean Region and is currently a member of both the Chapter Steering Committee and the LEED Location & Transportation Technical Advisory Group.

RELEVANT EXPERIENCE

City of Hallandale Beach BF James Park: The Spinnaker Group is providing LEED Consulting, Building Commissioning and Energy Modeling for this 3,800 square foot park project, totaling $2.6 million which achieved LEED Gold Certification.
Gibson Park: The Spinnaker Group provided LEED Consulting, Commissioning and Energy Modeling for this $9.6 million dollar City of Miami park renovation project which achieved LEED Gold Certification.
VA Healthcare Center Kernersville (Kernersville, NC): The Spinnaker Group is providing LEED Consulting for this 280,000 square foot Veterans Hospital which is pursuing LEED Gold Certification.
Miami Design District Garden Lounge Building: The Spinnaker Group provided LEED Consulting, Building Commissioning and Energy Modeling for this LEED Gold Certified, 10,000 square foot, $2.5 million dollar project in the Miami Design District. The Design District is the first LEED for Neighborhood Development project in the City of Miami.
University of Miami Frost School of Music: The Spinnaker Group is providing LEED Consulting and Building Commissioning for the University of Miami Frost School of Music project, totaling over 40,000 square feet of building with a total budget of $19.5 million dollars.
Northwest Gardens: Jonathan Burgess worked on Northwest Gardens as an independent Sustainability Consultant and LEED Project Manager for this LEED for Neighborhood Development project, totaling over 30 acres of Mixed-Use Development.
Miami Design District : TSG is providing LEED Consulting, Commissioning, & Energy Modeling for this 23.4 acres, 2.2 million square feet, $150 million dollar Mixed-Use (Retail, Office, Lodging, Residential which is pursuing LEED for Neighborhood Development, Gold Certification.
Children's Crisis Center in Homestead: The Spinnaker Group is providing LEED Consulting and Building Commissioning for this 9,000 square foot, $2.1 million dollar facility which is pursuing LEED Certification.

THESPINNAKERGROUP
3236 Huntington | Weston, FL 33332
joe@thespinnakergroupinc.com | P: 754.800.3100

JOE FLEMING, PE, LEED AP BD+C, BEMP
ROLE IN CONTRACT: SENIOR COMMISSIONING AGENT AND ENERGY MODELER

YEARS OF EXPERIENCE: 10 **YEARS OF EXPERIENCE AT SPINNAKER:** 4
EDUCATION: Bachelors of Science, Mechanical Engineering, University of Florida
PROFESSIONAL LICENSES: Florida Professional Engineer (#73116)
PROFESSIONAL AFFILIATIONS: USGBC

KEY QUALIFICATIONS

Joe Fleming, PE, LEED AP, and Building Energy Modeling Professional, is a Commissioning Agent and Energy Modeler at The Spinnaker Group; a firm that has been involved in the design of over 100 LEED certified projects and is currently involved in more than 200 LEED projects, both locally, nationally and internationally. The firm has also provided commissioning services on more than 500 million square feet of buildings. Joe has over 10 years of mechanical design experience and construction administration experience to back up his 3+ years of Commissioning experience. His experience includes commissioning many complex HVAC systems, HVAC and lighting controls, as well as renewable energy systems and water cisterns. He also has over 7 years of energy modeling experience and has modeled dozens of complex buildings and systems for LEED certifications. The models are also used to assist the owner and design team in making early design decisions. He is proficient with numerous energy modeling software platforms including; Carrier HAP, eQuest, Trane Trace, Energy Plus, FLACOM Energy Gauge, and Visual DOE.

RELEVANT EXPERIENCE

West Palm Beach Convention Center Hotel: The Spinnaker Group is providing LEED Consulting, Energy Modeling & Building Commissioning for this 300,000 square feet, 400 key hotel, plus 2-stor parking garage with 400 spaces.
City of Hallandale Beach BF James Park: The Spinnaker Group is providing LEED Consulting, Building Commissioning and Energy Modeling for this 100,000 square foot park project, totaling $2.6 million dollars. **The project is pursuing LEED Certification**
New River Landing III: The Spinnaker Group is providing LEED Consulting and Energy Modeling for this LEED NC Multi-Family High Rise totaling 268,000 square feet with a budget of $32 million dollars. This project achieved LEED Silver Certification.
Sweet Bird Residences: The Spinnaker Group is providing LEED Consulting, Building Commissioning and Energy Modeling for this 158,000 square foot hotel/residential/mixed use building totaling $53 million dollars.
SkyRise Miami: The Spinnaker Group is providing LEED Consulting, Building Commissioning and Energy Modeling for this 295,000 square foot entertainment/mixed use/observation tower which will soar over 1,000 feet high.
Paradise Plaza: The Spinnaker Group is providing LEED Consulting, Building Commissioning and Energy Modeling for this 115,000 square foot open shopping center that is pursuing LEED Certification.
University of Miami Frost School of Music: The Spinnaker Group is providing LEED Consulting and Building Commissioning for this project, totaling over 40,000 square feet of building with a total budget of $19.5 million dollars, pursuing LEED Platinum certification.
Nova Southeastern University Center for Collaborative Research: The Spinnaker Group provided LEED Consulting and Building Commissioning for this 55,500,000 square foot research facility for Nova Southeastern University. The project received LEED Silver Certification with a total project budget of $23 million dollars.

THESPINNAKERGROUP
3236 Huntington | Weston, FL 33332
nabil@thespinnakergroupinc.com | P: (954)347-0967

NABIL MAROUN, PE, PX, BN, CMC, LEED AP BD+C
ROLE IN CONTRACT: SENIOR COMMISSIONING AGENT

YEARS OF EXPERIENCE: 8 **YEARS OF EXPERIENCE AT SPINNAKER:** 8
PERCENTAGE TIME TO PROJECT: 10%
EDUCATION: Florida International University, Bachelors of Science, Mechanical Engineering, Cum Laude
PROFESSIONAL LICENSES: Florida Professional Engineer (#74550), LEED Accredited Professional BD&C (Building Design & Construction #10232059)
PROFESSIONAL AFFILIATIONS: USGBC (United States Green Building Council)
OTHER PROFESSIONAL CREDENTIALS: PX (Plants Examiner), BN (Mechanical Building Inspector), CMC (Certified Mechanical Contractor)

KEY QUALIFICATIONS

Nabil Maroun, PE, PX, BN, CMC, LEED AP BD+C, is a Senior Commissioning Agent at The Spinnaker Group; a firm that has been involved in the design of over 95 LEED certified projects and is currently involved in more than 200 LEED projects both locally, nationally and internationally. The firm has also provided commissioning services on more than 500 million square feet of buildings. Nabil is a registered Professional Engineer, Certified General Contractor, Certified Mechanical Contractor, Mechanical Plans Examiner, Mechanical Inspector, Home Inspector and LEED AP. He has a Bachelor of Science degree in Mechanical Engineering from Florida International University. His diverse experience and expertise in these fields enable him to know all of the meticulous details of building commissioning. Nabil is also an ACG Commissioning Authority. He regularly performs mechanical system inspections including duct work and equipment installation, verifying the systems perform in accordance to the engineer's design. He also performs mechanical plan reviews and consultations, provides the fundamental commissioning for buildings to become LEED certified and writes commissioning plans, pre-functional checklists and functional test procedures.

RELEVANT EXPERIENCE

Miami Airport People Mover: The Spinnaker Group provided LEED Consulting and Building Commissioning for this 40,000 square foot, $27 million dollar transportation project, which achieved LEED Gold Certification.
Cleveland Clinic, Weston Meridian Phase II: The Spinnaker Group provided LEED Building Commissioning for this Commercial Interiors healthcare project which was certified LEED Gold.
Miami Gardens Municipal Complex: The Spinnaker Group is providing LEED Consulting and Commissioning on this 60,000 square foot, $4,000,000.00 city hall and police station which is in the process of being LEED Gold Certified.
Boca Ciega High School: The Spinnaker Group provided LEED Consulting and Building Commissioning on this LEED For Schools project -- 360,000 square foot, $66.8 million dollar job that received LEED Gold Certification. Harvard Jolly was the architect.
Broward College IPS Building #22: The Spinnaker Group provided LEED Consulting & Building Commissioning for this 47,000 square foot, $8 million dollar educational facility which achieved LEED Gold Certification.
FIU School of International Policy: The Spinnaker Group provided LEED Consulting and Building Commissioning for this 58,000 square foot, $14.8 million dollar educational facility which received LEED Gold Certification.
Madison View Affordable Housing: The Spinnaker Group provided LEED Consulting and Building Commissioning for this multi-family affordable housing development in Miami, which achieved LEED Silver Certification.

Tab 3 Team Experience

DELTONA REGIONAL LIBRARY EXPANSION/RENOVATION

Deltona, Florida

The expanded Deltona Regional Library is twice the size of the original **library**, with an **enhanced computer area**, designated spaces for children and teens, and **a dividable conference suite.** Included in the project were the 4,000-sf Environmental Learning Center (ELC) and 500-seat outdoor amphitheater. The ELC focuses on the Lyonia Preserve that surrounds it and features a separate entrance, an **interactive exhibit space**, two science **classrooms** and a **photo gallery**. Energy efficiency and water conservation were key goals for the building, which was awarded **USGBC LEED Silver certification**.

The structural system comprises exterior concrete masonry walls supported by spread foundations. Continuous **ribbon-style tinted windows** were incorporated into the exterior walls to **maximize day-lighting and views.** The primary roof system consists of steel joists supported by structural steel columns and beams and exterior load-bearing walls. Several high roof areas in key portions of the building allow space for **raised and vaulted ceilings**. The amphitheater, strategically located to take advantage of the site's bowl shape, features numerous concrete masonry retaining walls that form tiered seating and walkways. A balcony overlooks the amphitheater and performance area. Several concrete support columns cantilever up above the balcony and provide the primary support for the triangular-shaped fabric sail shades and the audio-visual equipment.

The HVAC systems serving the new construction included two new high-efficiency 50-ton, CFC-free condensing units paired with indoor variable volume air handling units. The air handlers are equipped with variable frequency drives that **reduce power consumption during non-peak times.** Carbon dioxide controls also saves energy by reducing CO levels when occupancy levels aren't high enough to require outside air. Each HVAC system **is controlled by the Building Management System for even more energy savings**. **Water reducing strategies** include low-flow sinks and

lavatories and sensor-operated flush controls.

All Photos Courtesy of RZK Architects

The design features **full cut-off site lighting fixtures**. Site lighting power density was designed to be 59% below the LEED allowable limit, and façade lighting power density was designed to be 62% below the LEED allowable limit. This will contribute to **significant energy savings, even beyond a traditional LEED-certified building.** Several **daylight harvesting strategies were used including dimming ballasts and photo sensors**. Lighting in all of the new spaces uses a **combination of occupancy sensors and bi-level switching to reduce energy consumption.** Two **architectural dimming systems** were incorporated into the design, one for the displays in the environmental center and the other for the amphitheater's aisle and theatrical lighting fixtures.

Relevant Features

- ✓ *Silver LEED Certification Standards*
- ✓ *Single Floor Design*
- ✓ *Enhanced Computer Area*
- ✓ *Teen Area*
- ✓ *Interactive Exhibit Area*
- ✓ *Public Art Display / Photo Gallery*
- ✓ *Large Assembly Rooms / Dual Meeting Suite*
- ✓ *Full Audio/Visual Capability*
- ✓ *Acoustic Control*
- ✓ *Café*
- ✓ *4,000-sf Environmental Learning Center*
- ✓ *500-Seat Amphitheater*
- ✓ *Concession and Restroom Building*
- ✓ *Designed to City of Deltona's Code of Ordinances*

Project Size: *25,000 sf renovation / 25,000 sf addition*

Construction Cost: *$6 Million*

Completion Date: *September 2009*

TLC Services
Structural
Mechanical / Electrical / Plumbing / Fire Protection
LEED Administration
Fundamental Commissioning
Energy Modeling

Contact Reference:
Gerald (Jerry) N. Brinton, PE
County of Volusia Construction Engineering
Ph: 386.736.5967 / Email: gbrinton@co.volusia.fl.us

ENGINEERING
FOR ARCHITECTURE

LEE COUNTY LIBRARY SYSTEM
FORT MYERS REGIONAL LIBRARY
Fort Myers, Florida

Image Courtesy of BSSW Architects / LeBoutillier Media Group

Fort Myers' River District is a brighter place with the addition of a new regional library. Two buildings, sited across a public plaza from each other, provide nearly triple the space of the previous facility, centralize materials for the county's talking book program and offers more than 80 Internet terminals and free wifi for patrons in the buildings and public plaza.

The two-story building on the northern side of the plaza is more than 37,000 square feet and efficiently houses an expanded collection of books, tapes and electronic resources through the use of an automated material handling system. The main building also houses expanded AV collections, a regional genealogy center , is the system's main collection of legal, business and financial information, along with a cafe.

A single-story, 5,700 square foot building across the plaza serves as the collection and distribution point for the county's talking book program and provides conference and meeting space for use by the public.

The plaza created between the two buildings offers a variety of seating, performance and exhibit spaces, along with a water feature that attracts youngsters. The plaza is a gathering place and was engineered with various types of lighting, including an extensive use of LED fixtures, to enhance a range of events. A sound system extends from the main building through the plaza and accommodations in the plaza provide for the use of a portable stage.

The entire complex was engineered to achieve sustainable design goals and operate efficiently. The main building uses a thermal ice storage system to efficiently cool the facility. Peak demand shift of 150 tons is provided by the system, with a full load shift of 1,200 ton-hours. The smaller building is served by a separate water chiller for maximum systems control.

Additional sustainable features of the new complex include:

- Demand control ventilation
- Supply air temperature reset
- Chilled water supply temperature reset
- High quality insulated glazing with low-e coating
- Lower lighting levels to reduce cooling demand
- LED lighting throughout interior and exterior
- Occupancy sensors on interior lighting

Architect
BSSW Architects, Inc.
Fort Myers, Florida

Owner
Lee County
Fort Myers, Florida

Constructor
Lodge Construction, Inc.
Fort Myers, Florida

Major Components
Automated materials handling
Distribution center
Meeting / Conference spaces
Public plaza
Ice storage

Project Size
43,135 square feet

Construction Cost
$20 Million

Completion Date
2013

TLC Services
Mechanical
Electrical
Plumbing
Fire Protection
Voice/Data
Energy Modeling
LEED consulting

Reference
Sheldon Kaye, Director
Lee County Library Systems
SKaye@leegov.com
T: 239-533-4830

Registered for LEED 2009

BEA architects

ENGINEERING
FOR ARCHITECTURE

ATLANTA - FULTON COUNTY PUBLIC LIBRARY SYSTEM
Atlanta, Georgia

Rendering courtesy of The Freleon Group: Architects

In a move to significantly upgrade the technology of ten community libraries (two existing and eight new sites), Fulton County selected TLC to support the design and development of systems that will speed the delivery of information for library users, increase the connectivity for the benefit of all Fulton County library patrons, while also providing for the security of collections and personnel.

The overall goal is uniform application of both hardware and software to create an infrastructure standard. TLC is providing designs for the LAN, WAN, telecommunications, audio-visual, network attached security devices, building security, library collection security through RFID systems, self check-out, PC reservations, automated material handling and other library-centric technology.

Funded by a 2008 bond issue, the County recognized a need to upgrade technology in many of their facilities,while also expanding their system. By selecting one technology consultant for ten facilities, they assure consistency in the development of system infrastructure and standards. Each of the libraries has a unique design team, thus careful coordination among all ten teams is required to achieve the clients' goal. A well-developed management plan for each project, from schematic design through construction administration, has kept the project on track.

Among the ten libraries is the renovation/ expansion and rebranding of the Auburn Avenue Research Library (pictured above). It is one of four significant archive and research centers in the country dedicated to Africana and African American collections. AARL preserves and provides access to historical records of significant value, along with hosting numerous multi-media events which bring their rich archive collection to the public. TLC's scope at AARL includes virtual books, mobile video walls, distance learning solutions and an advanced digital audio system.

A particularly important aspect of the overall information expansion effort includes the development of content for the wayfinding and video wall installations planned for use in the libraries, including:

- Building Information
- Announcements
- Wayfinding
- Building Energy Display
- Collaboration Station
- Donor Wall
- Gallery Wall
- Public Art
- Interactive Displays and Audio

TLC is also assisting the county with Proof of Concept studies, procurement, budget management, and requests for proposals for the technology systems.

Owner
Atlanta-Fulton Public Library System, Atlanta, Georgia

Project Size
15,000 square feet to 50,000 square feet

Construction Cost
$3.2 million to $16 million
Technology investment $10 million

Completion Date
2016

Reference
Alfred Collins, Assistant Director
Fulton County
(404) 730-1822
Alfred.Collins@fultoncountyga.gov

TLC Services
Audio-Visual
Voice-Data
Security
Library Automation
Theft Detection System
PC Reservation System

BEA architects

ENGINEERING
FOR ARCHITECTURE

NORTHWEST REGIONAL LIBRARY
Cape Coral, Florida

Images Courtesy of BSSW Architects

With a concentrated focus on education, the state-of-the-art library offers a myriad of educational resources to patrons of all ages, from English cafes for adults and book readings for children. The library boasts a large exhibit space that is frequently used to showcase educational displays and national exhibits to complement its creative and diverse programs.

Clerestory glass panels and a multitude of windows maximize natural daylighting and provide breathtaking views of its four tranquil reading gardens.

The modern library features:

- Separate areas for children, teens and adults
- Children's story time room with puppet stage
- Large meeting room with after hours availability
- Patron café area with vending machines

Temperature and humidity control are critical components in the preservation of library and archival collections because unacceptable levels result in the breakdown of materials. Designed with this sensitivity in mind, the HVAC system serving the library includes four variable air volume, chilled-water separate air handling units with variable frequency drives for increased energy efficiency. Outside air is pre-treated to maximize humidity control. VAV boxes with electric heat in individual spaces maintain temperature within those spaces. A DX system provides 24-hour climate control to properly maintain the critical materials stored in the data room.

Chilled water is supplied by the nearby central energy plant located at the northeast end of the parking lot. The plant houses two air-cooled screw chilled water chillers piped in parallel. Each chiller has a dedicated chilled water pump with one additional stand-by pump.

An indoor pedestrian plaza uses post top light fixtures to add to the architectural appeal of the library. Programmable relay panels provide zoned lighting control of each area of the library from a central touchpad location.

The technology systems are elevated by the use of a radio frequency identification (RFID) program to track the library's assets, reducing theft and increasing productivity through the use of self check-in/check-out stations. This technology also allows 24/7 drive-up book returns for immediate check-in of materials.

Architect
BSSW Architects, Inc.
Ft. Myers, Florida

Constructor
Casey Construction
Ft. Myers, Florida

Owner
Lee County Board of Commissioners

Major Components
Exhibit Space
Patron Café
Computer Rooms
Central Energy Plant
Children's Area
Outdoor Reading Areas

Project Size
40,000 square feet

Construction Cost
$12.5 Million

Completion Date
2009

TLC Services
Mechanical
Electrical
Plumbing
Fire Protection
Audio-Visual
Voice-Data

Awards
2010, AIA of Florida Southwest,
Built Merit Award in Architecture
New Work Commercial

Reference
Sheldon Kaye, Director
Lee County Library Systems
SKaye@leegov.com
T: 239-533-4830

BEA architects

ENGINEERING
FOR ARCHITECTURE

CITY OF MIRAMAR POLICE HEADQUARTERS
DESIGN CRITERIA PACKAGE
Miramar, Florida

Rendering Courtesy of Walters-Zackria Associates

In 2005, South Florida was devastated by one of the strongest hurricanes on record to hit the Atlantic, causing an estimated $29 billion in damage and leaving the former Miramar Police Headquarters in a state of disrepair. Since the hurricane, displaced employees have worked from space-limiting temporary quarters that require shuttling arrested suspects to nearby police stations due to lack of holding facilities.

TLC collaborated with Walters-Zackria Associates, the City of Miramar and various stakeholders to develop design criteria for MEP, fire protection and audio-visual systems for the new police headquarters. TLC performed a thorough analysis of the Master Plan and utilized available project reports, drawings and existing utility information to develop the design package that for distribution to potential design-build teams.

Design efforts for the facility reunite the department's nearly 270 employees under one roof and provides 14,000 sf of shell space for retail and restaurants on the ground floor. The second and third floors house the department's facilities, including a sally port entry, gym, holding areas, offices, conference rooms and investigative rooms.

Design measures comprise redundant systems to continuously serve the facility, including full capacity main and backup chillers, along with cooling towers; main and backup fan motors for each air handling unit (AHU); and independent HVAC units with 100% backup service to protect sensitive network data in communication rooms.

The HVAC system design includes water-cooled chillers, cooling towers and pumps stored in the chilled water plant, which is adjacent to the existing parking garage. Variable air volume (VAV) terminals condition individual zones while electric reheat provides zone temperature control.

The HVAC system for the retail level space includes conventional direct expansion split system (DX) comprising outdoor condensing units interconnected by means of refrigerant piping to indoor AHUs.

The facility's design is storm hardened to withstand Category 5 hurricanes.

Technology design incorporates access points; a distributed antenna system (DAS) for cellular frequencies, along with public safety frequency; state-of-the-art audio-visual systems; access control system for all entry doors; and a CCTV security system that fully integrates with the department's current security platform.

Preliminary efforts identified by TLC to help the facility reach LEED Silver certification include low-flow water closets; low lighting power density; daylight harvesting in select areas with continuous dimming; solar water heat; demand-controlled ventilation; CO_2 sensors; and MERV 13 filters.

With approval by the City, TLC will be supporting the selected design-build team with LEED administration and fundamental commissioning services.

Owner
City of Miramar
Miramar, Florida

Architect
Walters-Zackria Associates
Fort Lauderdale, Florida

Major Components
Sally Port
Holding Areas
Offices
Conference Rooms
Investigative Rooms
Gym
Retail and Restaurant Space

Project Size
65,000 square feet

Construction Cost
$23 Million

Completion Date
2016

TLC Services
Mechanical
Electrical
Plumbing
Fire Protection
Audio-Visual
LEED Administration
Fundamental Commissioning

Reference
Abbas Zackria, Architect
(954) 522-4123

Registered for LEED NC 2009, targeting Silver certification

BEA architects

RIVIERA BEACH CRA MARINA DISTRICT
Riviera Beach, Florida

The Riviera Beach CRA is a group of three buildings. The largest, Marina Event Center, is a two story structure containing meeting / function space and unfinished shell for a future restaurant. The project also includes two smaller restroom buildings, one of which includes a concession stand and mechanical equipment for a nearby water feature. In order to obtain the targeted LEED Silver certification, efficiency and sustainability were carefully considered throughout the design process. An energy analysis of the Riviera Beach CRA was performed using Trane TRACE® 700. The software was used to model the project's design and determine anticipated energy usage. As of December 7, 2015, the energy model reflected 17.19% energy cost savings over the ASHRAE 90.1-2007 benchmark facility. A combination of energy conservation measures provided energy savings, but exterior lighting, space cooling, and interior lighting made the most notable contributions.

Owner
City of Riviera Beach

Architect
Song + Associates

Facilities
Master Plan
Event Center
Restaurant Shell
Restroom Buildings

Project Cost
$25 million

Completion Date
2016

TLC Services
Mechanical
Plumbing
Electrical
Fire Protection
Security
Voice/Data
Commissioning

Reference:
Jay Quillen, Song + Assoc
561-655-2423

Port of Palm Beach Slip #3

Riviera Beach, Florida

Client:
Port of Palm Beach
Mr. Rey Rivas, Associate Vice President (AECOM)
3750 N.W. 87th Avenue, Suite 300
Miami, Florida 33178
305-716-5142

Project Commencement - 2011
Project Completion - 2011

Project Description:
This project is intended to widen and lengthen Slip #3 to allow two ships to use the slip simultaneously. Project will also increase the dock-side work and storage areas. Project will also update/modernize utilities. The goal is to increase the capacity of the Port of Palm Beach.

Keith and Associates conducted a full topographic survey of the upland areas of the project limits. The survey included locating all man-made features, elevations observed at intervals no greater than 50 feet, grade changes, storm and sanitary structure details and establishing project control in support of the subsurface utility engineering and underwater efforts. Keith and Associates set aerial targets to provide horizontal control for aerial imagery. Aerial imagery was digitally recorded to be easily used in survey and engineering CAD files. K&A mounted aerial imagery to be used as a 4 feet tall, 16 feet wide exhibit for use by the Port of Palm Beach.

KEITH & ASSOCIATES, INC. consulting engineers

BEA architects

Galaxy Elementary School & Replacement Park

Boynton Beach, Florida

Client:
School District of Palm Beach County
Jim Kunard, PE, LEED AP, General Manager/Facilities Services
3300 Forest Hill Boulevard
West Palm Beach, FL 33406
(561) 687-7165

Project Commencement: 2009
Project Completion: 2011

Project Description:
This surveying related project involves a landswap of the proposed properties by the School Board of Palm Beach County and the City of Boynton Beach. The School Board will acquire a park property in order to expand the school and in turn provide the City with a replacement park within the existing school property.

Keith and Associates performed all of the field and office work required to provide the School Board of Palm Beach County with boundary and topographic surveys of Galaxy Elementary, Galaxy Park, and the proposed replacement park site, and also provided a tree survey for the conservation area. In addition, K&A also prepared sketches and legal descriptions for the existing school property, new school property, existing park property, replacement park property, construction land within the existing school property, access easements, and easement vacations.

In addition to the Boundary and Topographic Surveys for the properties, Keith and Associates also performed Subsurface Utility Engineering (SUE) to locate and identify underground utilities and infrastructure that provided critical record informaion during the planning and design process.

ALI Cultural Center

Pompano Beach, Florida

Client:
City of Pompano Beach CRA
Attn: Horacio Danovich - CRA Engineer
100 W. Atlantic Boulevard, Room 276
Pompano Beach, Florida 33063
Tel: 954-786-7834

Estimated Project Value: $1.4 Million

Project Commencement: 2013
Project Completion: 2015

Project Description:
Keith and Associates, as sub consultant to DK Architects, provided Civil Engineering and Landscape Architecture services to the Pompano Beach Community Redevelopment Agency (CRA) for the renovation of the 2-story, 7,000 square foot building and new addition to this historically significant cultural center located on MLK Boulevard in Downtown Pompano. The existing historical building was renovated and enhanced by the addition of an outdoor performance space and concession facilities, as well as a new multi-purpose building including exhibit space, offices and conference room, to form a cultural campus.

The Landscape Department performed full site analysis and evaluation to prepare tree disposition plans showing tree preservation and tree removal and subsequently prepared landscape and hardscape plans for the outdoor amenities. Trees in some islands were placed in tree grates to allow for pedestrian corridors through the parking lot. The property has exterior plazas for events and exterior pedestrian corridors to connect the neighborhoods with the commercial area on MLK Boulevard. Keith and Associates' efforts for this project within historical context included extensive coordination with the CRA and the City of Pompano Beach to coordinate the project with the MLK Streetscape project and the Downtown Connectivity Plans.

Civil engineering design for the project included water/sanitary sewer/storm drainage to service the new site plan, parking lot and driveway connections to existing right-of-ways and permitting through the regulatory agencies. Services also extended into construction inspections and final engineering certifications for the overall project.

Design/Build Pier Parking Garage

Pompano Beach, Florida

Client:
For: Pompano Beach CRA
Prime/Lead: Kaufman Lynn Construction (Design/Build Lead)
Mr. Nathan Coker
Tel. 561-361-6700
4850 T-Rex Avenue, Suite 300
Boca Raton, Florida 33431

Estimated Project Value: $16 Million

Project Commencement: 2014
Project Completion: On-going

Project Description:
The new Pompano Beach – Beach Parking Garage is located at the southeast corner of North Ocean Blvd. (S.R. A1A) and NE 3rd Street.

The 3.5-acre site is currently operating as an underutilized at-grade parking lot which until recently included a County library and City Fire Station. The new parking garage will include five stories, 625 parking spaces, speed ramp to facilitate access to higher levels of the garage and some retail space on the ground level fronting NE 3rd Street and the new Pier Street. The Pompano Beach CRA has ambitious plans for the redevelopment of the area and the need for additional parking facilities in the beach area is critical for the future of this beach community.

As part of the design/build team, Keith and Associates is responsible for Planning, Surveying, Utility Coordination/Investigation, Civil Engineering, Landscape Design, Permitting and Construction Inspection of the project. Our professional services includes extensive community and municipal outreach, complete topographic and boundary surveying, utility investigation of all public and private utilities within and adjacent to the project limits, complete civil design to adequately provide water/fire/sanitary sewer service and stormwater management design/grading of the site to ensure compliance with recently changed federal/state and local criteria, full landscape and irrigation design, permitting through all jurisdictional agencies and construction inspection and certification services.

Selected Library Projects:

Name:	Location:
Clearwater Main Library	Clearwater, Florida
Elsie Quirk Public Library	Englewood, Florida
Fruitville Public Library	Sarasota, Florida
Ocala Library	Ocala, Florida
Dr. Phillips High School	Orlando, Florida
Ringling College Library	Sarasota, Florida
University of West Florida John C. Pace Library	Pensacola, Florida

Name:	Location:
Fort Stewart Elementary School	Ft. Stewart, Georgia
Valencia Community College Building 4	Kissimmee, Florida
Vietnam Broadcast Studios	Long Am, Vietnam
Ringling College New Academic Building	Sarasota, Florida
Edgewater High School	Orlando, Florida
Polk Community College / USF Joint Technology Building	Lakeland, Florida

ACOUSTICAL ISSUES OF THE MODERN LIBRARY

Siebein Associates, Inc. has extensive experience in the acoustical design and noise mitigation for many building types including libraries; meeting and conference rooms, offices, public schools; colleges and universities; commission chambers; boardrooms; auditoria; and lecture halls among numerous others.

Modern libraries designed with the latest technology often include a number of versatile spaces including adult and children reading rooms, computer areas, staff offices and public meeting rooms. Some acoustical elements that may not be considered during the design and construction process include noise intrusion from exterior and interior sources such as traffic, building mechanical systems, excess reverberation in public spaces, speech communication, and intrusion from potentially non-compliant uses, such as public meeting rooms.

Acoustical Design Tasks May Include:

Maximizing natural acoustic projection of people speaking in meeting/ learning rooms.

- Shape walls and ceiling for natural sound propagation
- Integrate A/V system design
- Optimize speech intelligibility

Optimizing acoustics in public meeting, gathering and social rooms for amplified sounds to provide a high level of vocal clarity.

- Select acoustical finishes to reduce noise buildup of from people speaking and dining

Acoustical design for interior finish systems to strategically reduce noise levels in all areas.

Mechanical systems noise and vibration control for all areas.

Acoustical design for privacy between meeting rooms and public areas.

Sound transmission control and reduction between public and library areas.

Multi-Media / Listening Areas

- Use acoustical finishes
- Contain sounds from audio listening areas

Children / Playing Areas

- Contain sounds with partial enclosures
- Absorb sounds with acoustical finishes
- Control room volume

Reading / Viewing / Studying Areas

- Absorb sounds with acoustical finishes

Working Areas

- Contain sounds from copying, printing, etc.
- Provide privacy in offices and conference room
- Acoustical finishes

SIEBEIN ASSOCIATES Clearwater Main Library, Clearwater, Florida

Square Footage:	92,000
Construction Cost:	$20.2 million
Completed:	2004
Client:	Harvard Jolly Architecture
Architects:	Harvard Jolly Architecture Robert A.M. Stern Architects

Clearwater Main Library was built on a bluff 28 feet above sea level overlooking Coachmen Park and Clearwater Harbor. The library is a locally recognizable landmark, a source of civic pride, and a community-wide learning resource. The facility offers a local history center, café, computer lab, teen room, gallery space, expansive reading areas and a children's collection. The 4-story building features a subtle nautical theme and undulating roofline that resembles a wave along with a 60-foot atrium.

Siebein Associates, Inc. provided acoustical design for interior finish materials and sound isolation for mechanical rooms to ensure that noise was kept to a minimum in acoustically sensitive spaces.

Showcased in florida/carribean ARCHITECT Journal Spring 2005 issue in "Urban and Dignity Civic Structure" pp 22-25.

SIEBEIN ASSOCIATES Ringling College Library, Sarasota, Florida

Square Footage:	50,000
Construction Cost:	$16 million
Expected Completion:	2016
Client:	Ringling College
Architects:	Shepley Bulfinch, Boston, MA Sweet | Sparkman, Sarasota, FL

The new Ringling College Library is located at the heart of the Ringling College campus. It provides a space in which collaborations using digital media (including audio/visual) can occur, alongside more traditional uses of library spaces, including quiet reading and small study spaces. On the first floor is a café, circulation desk, enclosed collaboration spaces of different sizes and an open collaboration space. Acoustic design of the café and atrium included the use of strategically placed sound absorbent materials to maintain a comfortable acoustic environment, especially when large numbers of people congregate and speak. In the collaboration spaces, Siebein Associates designed the walls to reduce sound spill of sounds and activities associated with collaboration into main library space. The acoustic design for these spaces also included acoustic finishes in them to allow the digital audio to be heard clearly.

On the 2nd floor is the Academic Resource Center, Special Collections area and Library Directors Office and 2 large instructional spaces that can be combined into 1 very large instructional space. Acoustic finishes were strategically placed in the Classroom spaces to maintain high fidelity listening to audio tracks and to provide a comfortable acoustic environment where sounds from the instructors could be clearly heard throughout the room.

On the 3rd floor, this is where the majority of the collections will be held, along with several classroom spaces and an exterior terrace. The 3rd floor is a more traditional library space which had to be isolated from the multimedia activities from the library spaces downstairs. HVAC noise and vibration control was also performed to keep sound levels at comfortable levels for dynamic collaborating, thinking, reading and working spaces.

There were also chillers in the rear of the building that faced a residential community across a bayou. Siebein Associates provided design to reduce the chiller noise from propagating across the bayou.

SIEBEIN ASSOCIATES University of West Florida Pace Library, Pensacola, FL

Square Footage:	165,000
Construction Cost:	$7.2 million renovation
Completed:	1995
Architects:	Morris Architects Studio Red Architects

The Pace Library is a 5-story, 165,000 ft^2 library located in the heart of the University of West Florida Campus. Renovations took place in a phased approach to expand and renovate the existing building.

Siebein Associates performed acoustic analysis to determine the placement and square footage of acoustic finishes needed in the critical acoustic spaces, including the Main Library spaces on each floor as well as for the independent study rooms, discussion areas and media rooms. Large AHU's were located closely to reading rooms, conference rooms and other acoustically sensitive spaces. Acoustical analysis of the HVAC system and design for noise mitigation systems including silencers, increased duct lengths and reselection of grilles, registers and diffusers were undertaken to control mechanical system noise in sensitive areas.

THESPINNAKERGROUP
3236 Huntington
Weston, FL 33326
P (754) 800-3100 ext. 201
F (954) 217-3614
www.thespinnakergroupinc.com

Relevant Experience: Municipal Projects

Project: City of Hallandale Beach BF James Park
Location: Hallandale Beach, Florida
Project Budget: $2.6 Million Dollars
Services Rendered: LEED Consulting, Building Commissioning and Energy Modeling
Key Staff Involved: Rob Hink (Principal, LEED Charette); Jonathan Burgess (VP Sustainability, LEED Project Management); Trevor Schatz (LEED Project Management, LEED Contractor Credits); Nabil Maroun (Building Commissioning); Joe Fleming (Energy Modeling)
Completion Date: January 2015
Owner Contact Information: Sarita Shamah, Director Capital Improvements, City of Hallandale Beach | 954-457-2995 | sshamah@hallandalebeachfl.gov

Project: Village of Wellington Municipal Complex
Location: Wellington, Florida
Project Budget: $10.5 Million Dollars
Services Rendered: LEED Consulting and Building Commissioning
Key Staff Involved: Rob Hink (Principal, LEED Charette); Jonathan Burgess (VP Sustainability, LEED Project Management); Linda Smithe (LEED Project Management, LEED Design & Contractor Credits); Ernest Collazo (Building Commissioning)
Completion Date: September 2011
Owner / Client Contact Information: Jim Barnes, Director of Operations, Village of Wellington | 561-791-4000 | Jbarnes@wellingtonfl.gov
Michael Rodebaugh, Project Manager, Leo A Daly | 561-688-2111 | MDRodebaugh@leoadaly.com

Project: Miami Gardens Municipal Complex
Location: Miami Gardens, Florida
Project Budget: $4 Million Dollars
Services Rendered: Building Commissioning
Key Staff Involved: Nabil Maroun (Building Commissioning)
Completion Date: 2015
Owner Contact Information: Noel Sankovich | 786-312-3722 | nsankovich@miamigardens-fl.gov

Project: Young at Art Museum and Broward County Library
Location: Davie, Florida
Project Budget: $13.3 Million Dollars
Services Rendered: LEED Consulting, Building Commissioning and Energy Modeling
Key Staff Involved: Rob Hink (Principal, LEED Charette); Jonathan Burgess (VP Sustainability, LEED Project Management); Linda Smithe (LEED Project Management, LEED Design & Contractor Credits); Ernesto Collazo (Building Commissioning
Completion Date: August 2012
Owner Contact Information: Jeff Thompson, Assistant Director, Construction Management Division of Broward County | 954-357-8460 | jthompson@broward.org

Tab 4 References

REFERENCES

1. **Miami-Dade Parks & Recreation Department**
   275 Northwest 2nd Street
   Miami, FL 33128
   Telephone: 305.755.5453
   Email: jarango@miamidade.gov
   Contact Person: Mr. Joel Arango
   Type of Project: A&E Services for Improvements to County Parks

2. **City of Miami Gardens**
   1515 NW 167th Street, Suite 200
   Miami Gardens, FL 33169
   Telephone: 305.622.8000
   Email: asmith1@miamigardens-fl.gov
   Contact Person: Mr. Anthony Smith
   Type of Project: A&E Services for City-Wide Parks

3. **IMG Tennis**
   1500 Douglas Road, Suite 230
   Coral Gables, FL 33134
   Telephone: 305.446.2200
   Email: cstock@imgworld.com
   Contact Person: Ms. Catherine Stock
   Type of Project: Prime Architect for Crandon Tennis Center Expansion

4. **City of Miami Beach**
   1245 Michigan Avenue
   Miami Beach, FL 33139
   Telephone: 305.673.7071
   Email: thaisvieira@miamibeachfl.gov
   Contact Person: Ms. Thais Vieira
   Type of Project: A&E Services for Selected City Projects (including City Hall & Bandshell Park)

5. **Florida International University**
   11200 SW 8th Street
   Miami, FL 33199
   Telephone: 305.348.4001
   Email: John.Cal@fiu.edu
   Contact Person: Mr. John Cal
   Type of Project: A&E Services for New Football Stadium & School of Business

Tab 5 Project Approach

PROJECT APPROACH

The City of Riviera Beach Design Criteria Professional Consulting Services for a New Public Library project provides the opportunity for innovation, excellence, and standout civic amenities that respect and reflect the City's natural environment. This requires a team with experience in handling complex recreational and infrastructure projects, as well as an understanding of the needs and processes in which municipalities work. With BEA Architects and its highly-experienced consultant team, the City of Riviera Beach will have both.

BEA architects, Inc. is firmly and aggressively committed to meeting all design, budget, scope and schedule requirements that are identified with and associated with the City of Riviera Beach contract and the various phases of the contract's realization. Therefore, we are prepared to approach our tasks with the City of Riviera Beach in the following manner:

At the onset of the Contract, BEA will set up a Project Kick-Off Meeting with the City staff and other stakeholders to identify and discuss the City's requirements, goals and objectives, challenges and opportunities as well as listen to the needs of end users.

PROJECT SCOPE AND BUDGET

We shall discuss the project scope and budget to ascertain its feasibility, and suggest adjustments if necessary. We shall:

- Establish project goals and work with the City to identify specific goals, and offer suggestions for growth based on goals that are identified.
- Establish design parameters and conduct Site Reconnaissance Visit(s).
- Establish timetable of deliverables for all phases from Schematics, 30%, 60%, 90% and final Construction Documents.
- Establish protocol for permitting / bidding phase and Construction Administration.
- Establish protocol for invoicing and monitoring fees, and determining what services are a part of the agreement.

On the basis of the City's goals and expectations and BEA's overall understanding of the project, we will develop a comprehensive project schedule and timeline delineating project management expectations to achieve optimum workflow and project completion in an expedited manner. Though it may seem simplistic, the smooth flow of the project(s) depends on the clear and mutual understanding and agreement on these matters.

MAINTAIN TIME SCHEDULES

BEA is equipped to handle multiple jobs without affecting the flow or the ability to meet deadlines. Based on an assessment of our current workload, BEA has sufficient staff and capacity available to immediately undertake and proceed with tasks to be awarded by the City of Riviera Beach. BEA will assign a project team headed by the Principal-in-Charge as Project Manager and a Deputy Project Manager. The project team will be staffed with a Florida-licensed Senior Architect and a Florida-licensed Project Architect. The architects will be supported by BEA's CAD / BIM production staff, specification writer, scheduler, estimator and a host of illustrators. Visual exhibits are key to the project approval phase as well as to community outreach process. BEA works with the latest digital programs such as AutoCAD, REVIT/BIM, 3D Max, Rhino and other simulation software. In addition, we have an in-house graphics department with full printing and binding capabilities, for the preparation of brochures and other media related to the project.

COST CONTROL

Our approach to value engineering and cost control is tied to our design philosophy – we work comparatively and collaboratively, presenting various options at early stages of design, developing the project in close collaboration with the City. These options are analyzed for cost impact as well as design and schedule implications. The value engineering process is most effective when it's the result of collaboration between the architect, engineer, general contractor and owner, so that choices are made together and implications weighted from all sides. We see value engineering as a response to ever shifting project conditions, such as the market environment, labor forces and availability of products that during the life of a project, which typically spans several years, may change dramatically affecting cost. Therefore, it's part of our business landscape so our team must be prepared to accommodate change within reason.

QUALITY CONTROL

BEA employs a 3-step quality control review system, whereby the Deputy Project Manager is the first reviewer of the work product. His mark-ups are incorporated and sent to John Colao, AIA, QA/QC assigned to the project. Said partner's comments are incorporated and sent to the project Principal, Bruno E. Ramos, AIA, for a final review. Each person's mark-ups are recorded in their own color, and the entire check set is maintained on file for the client. In addition, Mr. Ramos, as peer reviewer and Principal-in-Charge of BEA, will conduct specific analysis of project documentation. The 3-step process is used at 60% and 100% construction documents as well as in earlier phases. Of course, the client is the fourth step of the review process. Though it may appear at first cumbersome, we have found controlling documents in this manner helps projects of all size to run smoothly.

SCHEMATIC DESIGN AND PROGRAMMING

At the start of the project BEA will conduct a program verification and as stated before, a schedule and budget analysis. During the schematic design phase we will envision design concepts and visualize communications to the client via sketches, plans, sections, elevations and models as necessary to fully convey the main idea. Working in collaboration with

the City's project team, we bring design options to the table and together choose the most desirable (per aesthetics, sustainability, cost schedules and technical implications), to be developed further. When requested to do so, BEA will present illustrations of design alternatives in 2D and 3D to the City and others.

SOFTWARE EXPERTISE

BEA uses 3D animation software and BIM (Building Information Management) technology to aid the client, the design and construction team design successful and meaningful spaces that are fully coordinated across all disciplines. Animation provides a visualization of the concept and allows the client to encounter, visualize and "walk-through" a 3-dimensional image of the building in real time. The BIM technical process focuses of the integration and coordination of all design disciplines in real time; effectively, the proposed facility is "built as a model" in electronic space, thus allowing immediate assessment of all design decisions.

Extractions from the BIM model are used to generate 2D CAD drawings and construction documents. The CAD drawings extracted from the BIM model accurately reflect the coordination of myriad building systems that have been undertaken on the model. This tool therefore allows the coordination of varying levels of building system detail, to result in a thorough analysis and planning before building commences - and which can be amended with new design input to assess impact of design alternative during the phases of both design and construction to achieve high levels of project coordination as well as assess potential impacts to the Project Schedule.

DESIGN DEVELOPMENT

At this stage, the team identifies the major project components and systems. This will include those that have a direct impact on LEED certification if applicable. We work collaboratively and with comparative studies, present design alternatives in 2D and 3D for the client's evaluation. We conduct several presentation meetings and final submittal review meeting with the City.

CONSTRUCTION DOCUMENTS

Once approved by the City, we proceed with the preparation of construction documents and specifications. Normally this phase is broken in 50% and 100% Submittals, although per client's request it can also be broken down further. At each one of the milestones, we submit complete sets of plans and specifications and conduct a review meeting with the City's project team and other project stakeholders, to convey and explain the project detail. Any comments resulting from this and other review sessions are incorporated immediately into the final work product for construction. A key element to this phase is to achieve a thorough coordination between all the disciplines. BEA performs regular coordination meetings with the engineers and requires follow-up meetings to ensure that the revisions have been incorporated.

We have justifiable confidence in our approach to work. Over two decades of high-profile planning, architecture, interior design, and project and construction management experience have culminated in a portfolio of satisfied clients, which include municipalities, transportation, port, maritime and seaport entities, corporate, high-end residential, hospitality, food & beverage, educational, religious and retail organizations. We are keen to contribute to the smooth maintenance of City operations and of its critical facilities.

SUMMARY

BEA Architects, and its highly experienced diverse team of consultants, brings excellence to the City of Riviera Beach in a host of necessary competencies such as:

1. Proven design experience, having designed an extensive list of private, as well as public sector projects, ranging from government buildings, libraries, community centers, parking facilities, educational facilities, parks, sports complexes (aquatic, tennis, soccer and football), intermodal facilities, cruise terminals and port projects for Port Everglades**,** Port Miami, Port Canaveral, as well as other ports in the U.S. and around the world for all major cruise lines and port authorities.
2. Planning and design of multiple civic facilities for Miami-Dade County, Broward County and local municipalities.
3. Extensive and relevant experience interfacing with local permitting and code enforcement agencies; BEA coordinated permitting efforts thorough multiple Miami-Dade and Broward County agencies and state permitting agencies; including South Florida Water Management District and Florida Department of Environmental Protection.
4. Extensive and relevant experience interfacing with federal agencies such as the Federal Aviation Administration (F.A.A.), U.S. Department of Homeland Security / Customs and Border Protection (CBP), Immigration and Customs Enforcement (ICE), Army Corps of Engineers (USACE) and the U.S Coast Guard.
5. Thorough application of BIM, CAD, VISM, AutoTURN, and other visualization and through-put assessment technologies, to value-engineer and produce unique design results with a keen insight and analyses towards a successful project integration and coordination of all architectural and engineering disciplines.
6. Application of LEED principles, to bring sustainability into the project within limitations imposed by budget, schedule and operations.
7. Total commitment to the City of Riviera Beach project requirements, scope, schedule and budget.
8. The firm is ready, willing and able to immediately go to work on all tasks associated with the projects that the City of Riviera Beach assigns to BEA.

Architects Hourly Rates

Principal in Charge, Sr. Project Manager	$ 200.00
Sr. Architect	$ 185.00
Project Manager	$ 125.00
Jr. Project Manager	$ 100.00
Project Architect	$ 110.00
Jr. Project Architect	$ 90.00
CADD/Drafting	$ 80.00
Design, Scheduling, and Cost Estimator	$ 100.00
Clerks & Administrative Support Staff	$ 65.00

TLC Standard Hourly Rates

Professional Engineering Services Proposal
May 24, 2016

TLC Engineering for Architecture, Inc.

BILLING FACTOR	DESIGNATION	BILLING RATES
6	Director	$ 205
5	Senior Engineer, Manager	175
4	Project Engineer, Manager	150
3	Engineer, Specialist	120
2	Graduate Engineer, Designer, Administrative Secretary	95
1	Technician, Secretary, Intern, Clerical	70

Rates subject to change with 30 days prior notice.

Forensic Engineering and Special Consulting – 1.5 to 2.0 times normal billing rate

Rev. 7/8/2015

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PROFESSIONAL SERVICE FEES SCHEDULE

	Hourly Rate
01 Administrative Assistant	$50.00
11 Technician	$80.00
15 Senior Technician	$90.00
30 Associate Planner	$90.00
32 Senior Planner (AICP)	$125.00
33 Landscape Designer	$80.00
34 Senior Landscape Designer	$100.00
35 Landscape Architect (RLA)	$125.00
36 ISA Certified Arborist	$125.00
50 Project Engineer	$100.00
51 Senior Project Engineer	$115.00
52 Professional Engineer (PE)	$125.00
53 Field Representative	$75.00
54 Sr Field Representative	$90.00
60 Project Manager	$125.00
61 Senior Project Manager	$160.00
70 Principal	$190.00
72 Expert Witness Testimony	$250.00
76 BIM Modeler	$110.00
77 GIS Specialist	$100.00
78 Project Surveyor	$95.00
79 Senior Project Surveyor.	$110.00
80 Professional Surveyor & Mapper (PSM).	$120.00
81 Survey Party (2) Person	$110.00
82 Survey Party (3) Person	$130.00
83 Survey Laser Scanning	$125.00
90 Utility Crew Supervisor	$70.00
91 Utility Locating Technician	$60.00
92 Utility Project Manager	$100.00
93 Utility Project Engineer	$125.00
95 Utility Field Technician	$40.00
96 Utility Designating/GPR	$200.00
97 Vacuum Excavation Test Hole (Pervious Surface)	$350.00/Each
98 Vacuum Excavation Test Hole (Impervious Surface)	$475.00/Each

Effective 01/01/2015

SIEBEIN ASSOCIATES, INC.
Consultants in Architectural Acoustics
625 NW 60th Street, Suite C Gainesville, Florida 32607
Telephone - (352)-331-5111 Facsimile - (352)-331-0009

Table 1. Siebein Associates, Inc. Hourly Billing Rates

Senior Principal Consultant 1	$ 275.00 per hour
Senior Principal Consultant 2	$ 250.00 per hour
Principal Consultant 1	$ 215.00 per hour
Principal Consultant 2	$ 205.00 per hour
Associate Principal Consultant 1	$ 185.00 per hour
Associate Principal Consultant 2	$ 175.00 per hour
Senior Consultant 1	$ 150.00 per hour
Senior Consultant 2	$ 145.00 per hour
Senior Consultant 3	$ 135.00 per hour
Senior Consultant 4	$ 130.00 per hour
Senior Consultant 5	$ 125.00 per hour
Consultant 1	$ 105.00 per hour
Consultant 2	$ 100.00 per hour
Consultant 3	$ 95.00 per hour
Consultant 4	$ 85.00 per hour
Consultant 5	$ 75.00 per hour
Administrative 1	$ 90.00 per hour
Administrative 2	$ 85.00 per hour
Administrative 3	$ 75.00 per hour
Junior Consultant 1	$ 65.00 per hour
Junior Consultant 2	$ 60.00 per hour
Technical Staff 1	$ 55.00 per hour
Technical Staff 2	$ 50.00 per hour

THESPINNAKERGROUP
3236 HUNTINGTON
WESTON, FL 33332
(954) 347-0967
Fax (954)-217-3614
www.thespinnakergroupinc.com

Hourly/Billing Rates_2016

Title	Hourly Rate
Principal	$225.00
Engineer	$145.00
Commissioning Agent	$145.00
LEED Consultant	$165.00
Energy Modeler	$175.00
Administration	$85.00

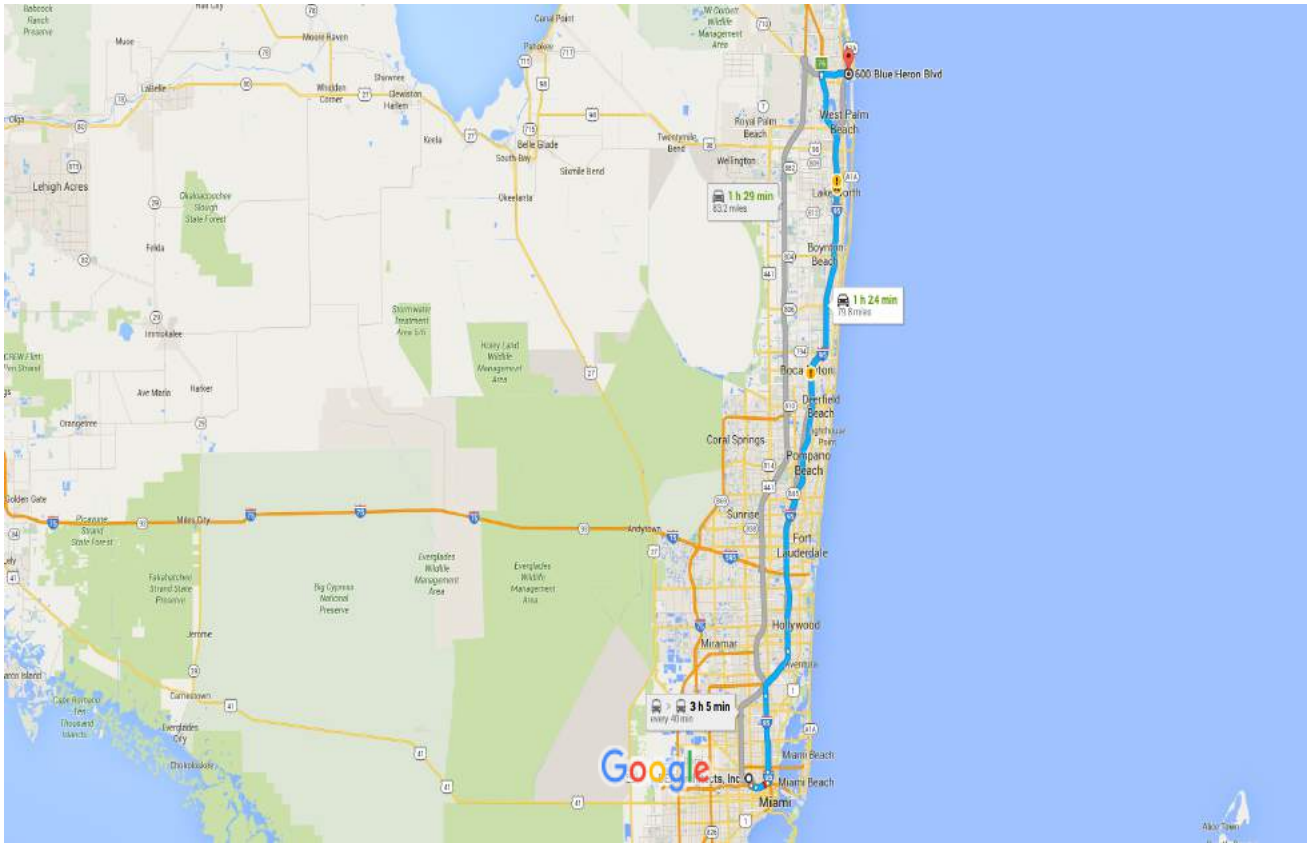
Tab 6 Disputes/Litigation

BEA Architects, Inc. has no disputes or current litigation pending.

Tab 7 Local Vendor

BEA Architects, Inc. is located in Miami-Dade County, just a short trip away from Riviera Beach, Florida.

Google Maps BEA Architects, Inc. to 600 Blue Heron Blvd Drive 79.8 miles, 1 h 24 min



Tab 8 MBE Participation

Prime MBE Firm:

BEA Architects, Inc. is a registered Minority Business Enterprise (MBE) and will assign itself at least 50% of this project's work.

Subconsultant WBE/CBE/DBE Firm:

Keith & Associates, Inc. is a registered Women's Business Enterprise (WBE), in addition to being a registered Community Business Enterprise (CBE) and a Disadvantaged Business Enterprise (DBE).

Subconsultant WBE Firm:

The Spinnaker Group is a registered Women's Business Enterprise (WBE).

Tab 9 Forms & Certificate of Insurance

NOTICE

ADDENDUM NO. ONE (I) May 25, 2016

CITY OF RIVIERA BEACH
RFQ NO 756-16
FOR
PROFESSIONAL CONSULTING SERVICES FOR DEVELOPMENT OF DESIGN CRITIERA PACKAGE TO BUILD A NEW PUBLIC LIBRARY

TO ALL PROPOSERS ON THE ABOVE PROJECT: PLEASE NOTE CONTENTS HEREIN AND AFFIX (PASTE OR STAPLE) TO PROPOSAL DOCUMENTS YOU HAVE ON HAND.

The following statements supersede and supplant corresponding items in the above subject bid as follows:

GENERAL CONDITIONS:
The following statements supersede and supplant corresponding items in the above subject proposal as follows:

Does Read: ***Proposal Submittal Deadline***
Day/Date: **Monday, May 27, 2016**
Time: **3:30 p.m.**

Should Read: ***Proposal Submittal Deadline***
Day/Date: **Tuesday, June 14, 2016**
Time: **3:30 p.m.**

SPECIFICATION:
The following responses are provided to questions submitted regarding the solicitation:

- Can you please provide me with a list of MBE and SBE businesses of Riviera Beach?
  Answer: The City of Riviera Beach does not currently have a list of MBE and SBE businesses available.

- Can you please provide me with the current list of Selection Committee Members?
  Answer: The solicitation has not closed and the selection committee has not yet been established.

PLANSHEETS:

NOTICE:

It will be required that Addendum No. One (1) be signed in acknowledgment of receipt and that it be attached to the RFQ when same is submitted at 3:30 p.m., June 14, 2016 at the Office of the City Clerk, 600 W. Blue Heron Boulevard, Suite 140, Riviera Beach, Florida. For information on this RFQ, please contact:

Purchasing Department
2051 MLK Blvd, Suite 310
Riviera Beach, FL 33404
(561) 845-4180; (561) 842-5105 - fax

BEA Architects, Inc.
NAME OF COMPANY

BIDDER'S SIGNATURE

DATE: 5-25-2016

1

NOTICE

ADDENDUM NO. TWO (II) JUNE 08, 2016

CITY OF RIVIERA BEACH
RFQ NO 756-16
FOR
PROFESSIONAL CONSULTING SERVICES FOR DEVELOPMENT OF DESIGN CRITIERA PACKAGE TO BUILD A NEW PUBLIC LIBRARY

TO ALL PROPOSERS ON THE ABOVE PROJECT: PLEASE NOTE CONTENTS HEREIN AND AFFIX (PASTE OR STAPLE) TO PROPOSAL DOCUMENTS YOU HAVE ON HAND.

The following statements supersede and supplant corresponding items in the above subject bid as follows:

GENERAL CONDITIONS:
SPECIFICATION:
The following responses are provided to questions submitted regarding the solicitation:

- Should our submittal of qualifications include a fee proposal for this project or are you looking for a typical range of fees for the various types of services that may be included? I ask because ordinarily under the CCNA, A/E RFQ's are qualifications based and do not include fee proposals.

- **Answer:** Correct, as CCNA, A/E RFQ's are qualifications based and do not include fee proposals, the City of Riviera Beach for a typical range of fees for the various types of services that may be included.

PLANSHEETS:

NOTICE:

It will be required that Addendum No. Two (2) be signed in acknowledgment of receipt and that it be attached to the RFQ when same is submitted at 3:30 p.m., June 14, 2016 at the Office of the City Clerk, 600 W. Blue Heron Boulevard, Suite 140, Riviera Beach, Florida. For information on this RFQ, please contact:

Purchasing Department
2051 MLK Blvd, Suite 310
Riviera Beach, FL 33404
(561) 845-4180; (561) 842-5105 - fax

BEA Architects, Inc.
NAME OF COMPANY

BIDDER'S SIGNATURE

DATE: 6-8-2016

1

ATTACHMENT H
DRUG FREE WORKPLACE

Preference shall be given to businesses with drug-free workplace programs. Whenever two (2) or more proposals which are equal with respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a proposal received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie proposals will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.

3. Give each employee engaged in providing the commodities or contractual services that are under contract a copy of the statement specified in subsection (1).

4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under contract, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or *nolo contendere* to, any violation of chapter 893 of the Florida Statues or of any controlled substance law of the United States or any state for a violation occurring in the workplace no later than five (5) days after such conviction.

5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.

6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this form complies fully with the above requirements.

THIS CERTIFICATION is submitted by Bruno E. Ramos the
(INDIVIDUAL'S NAME)

President Of BEA Architects, Inc.
(TITLE/POSITION WITH COMPANY/VENDOR) (NAME OF COMPANY/VENDOR)

who does hereby certify that said Company/Vendor has implemented a drug free workplace program which meets the requirements of Section 287.087, Florida Statutes, which are identified in numbers (1) through (6) above.

5-25-2016

SIGNATURE DATE

ATTACHMENT K
SWORN STATEMENT PURSUANT TO SECTION 287.133(3)(A), FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS.

1. THIS SWORN STATEMENT IS SUBMITTED TO City of Riviera Beach

by Bruno E. Ramos, President
(Print Individual's Name and Title)
for BEA Architects, Inc.
(Print Name of Entity Submitting Sworn Statement)
whose business is 3075 NW South River Drive Miami, Florida 33142

and (if applicable) its Federal Employer Identification Number (FEIN) is 65-1020158

2. I understand that a "public entity crime" as defined in Paragraph 287.133 (1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or of the United States, including, but not limited to, any bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

3. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

4. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:

    a. A predecessor or successor of a person convicted of a public entity crime; or

    b. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

5. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts for the provisions of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

6. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (Indicate which statement applies).

   _x_ Neither the entity submitting this sworn statement, nor any of its officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity, nor any affiliates of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

   _____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

   _____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been a subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. (Attach a copy of the final order).

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND, THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES, FOR A CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

_____
(Signature)

Sworn and subscribed before me this 13 day of June, 2016.

Personally known X

Katherine Evans

(Notary)
OR produced identification_____ Notary Public State of Florida

_____ My commission expires: 05-07-19
(Type of Identification)

KATHERINE EVANS
MY COMMISSION #FF228417
EXPIRES: MAY 07, 2019
Bonded through 1st State Insurance

Remainder of page left intentionally blank.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 5/23/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Michael J Hall & Company
Michael J Hall & Company Hall & Company 19660 10th Ave NE Poulsbo WA 98370	PHONE (A/C, No, Ext): 360-598-3700 FAX (A/C, No): 360-598-3703 E-MAIL ADDRESS: certificates@hallandcompany.com

INSURED	INSURER(S) AFFORDING COVERAGE	NAIC #
BEA Architects Inc 3075 NW South River Dr Miami FL 33142	INSURER A : RLI INSURANCE COMPANY	13056
BEAARCH-01	INSURER B : EVEREST NATIONAL INSURANCE COMPANY	10102
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** 1680550783 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	**GENERAL LIABILITY** X COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR X OCP/XCU/BFPD X Separation Insds GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [X] PRO-JECT [ ] LOC			PSB0003722	8/26/2015	8/26/2016	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG $	$1,000,000 $1,000,000 $10,000 $1,000,000 $2,000,000 $2,000,000 $
A	**AUTOMOBILE LIABILITY** ANY AUTO ALL OWNED AUTOS [ ] SCHEDULED AUTOS X HIRED AUTOS [X] NON-OWNED AUTOS			PSB0003722	8/26/2015	8/26/2016	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) $	$1,000,000 $ $ $ $
A	[ ] **UMBRELLA LIAB** [X] OCCUR X **EXCESS LIAB** [ ] CLAIMS-MADE [ ] DED [X] RETENTION $ 0			PSE0002119	8/26/2015	8/26/2016	EACH OCCURRENCE AGGREGATE $	$4,000,000 $4,000,000 $
A	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** Y / N ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		PSW0003099	8/26/2015	8/26/2016	X WC STATU-TORY LIMITS [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $1,000,000 $1,000,000 $1,000,000
B	Professional Liab:Claims Made			PL5EO00159151	8/26/2015	8/26/2016	$2,000,000 Per Claim $2,000,000 Aggregate	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Certificate Holder(s) is/are an Additional Insured on the Commercial General Liability and Auto Liability when required by written contract or agreement regarding activities by or on behalf of the Named Insured. The Commercial General Liability insurance is primary insurance and any other insurance maintained by the Additional Insured shall be excess only and non-contributing with this insurance. A waiver of subrogation applies to the Commercial General Liability, Auto Liability, Employers Liability /Workers Compensation and Umbrella / Excess Liability in favor of the Additional Insured.

CERTIFICATE HOLDER

City of Riviera Beach
Attn: Marie Sullin, Risk Manager
2051 MLK Blvd
Riviera Beach FL 33404

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Matthew L. Copus

ACORD 25 (2010/05) **The ACORD name and logo are registered marks of ACORD**

Policy Number: PSB0003722
Named Insured: BEA Architects, Inc

RLI Insurance Company

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

RLIPack® FOR PROFESSIONALS
BLANKET ADDITIONAL INSURED ENDORSEMENT

This endorsement modifies insurance provided under the following:

BUSINESSOWNERS COVERAGE FORM - SECTION II – LIABILITY

1. **C. WHO IS AN INSURED** is amended to include as an additional insured any person or organization that you agree in a contract or agreement requiring insurance to include as an additional insured on this policy, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused in whole or in part by you or those acting on your behalf:
   a. In the performance of your ongoing operations;
   b. In connection with premises owned by or rented to you; or
   c. In connection with "your work" and included within the "product-completed operations hazard".
2. The insurance provided to the additional insured by this endorsement is limited as follows:
   a. This insurance does not apply on any basis to any person or organization for which coverage as an additional insured specifically is added by another endorsement to this policy.
   b. This insurance does not apply to the rendering of or failure to render any "professional services".
   c. This endorsement does not increase any of the limits of insurance stated in **D. Liability And Medical Expenses Limits of Insurance**.
3. The following is added to **SECTION III H.2. Other Insurance – COMMON POLICY CONDITIONS (BUT APPLICABLE ONLY TO SECTION II – LIABILITY)**

   However, if you specifically agree in a contract or agreement that the insurance provided to an additional insured under this policy must apply on a primary basis, or a primary and non-contributory basis, this insurance is primary to other insurance that is available to such additional insured which covers such additional insured as a named insured, and we will not share with that other insurance, provided that:
   a. The "bodily injury" or "property damage" for which coverage is sought occurs after you have entered into that contract or agreement; or
   b. The "personal and advertising injury" for which coverage is sought arises out of an offense committed after you have entered into that contract or agreement.
4. The following is added to **SECTION III K. 2. Transfer of Rights of Recovery Against Others to Us – COMMON POLICY CONDITIONS (BUT APPLICABLE TO ONLY TO SECTION II – LIABILITY)**

   We waive any rights of recovery we may have against any person or organization because of payments we make for "bodily injury", "property damage" or "personal and advertising injury" arising out of "your work" performed by you, or on your behalf, under a contract or agreement with that person or organization. We waive these rights only where you have agreed to do so as part of a contract or agreement with such person or organization entered into by you before the "bodily injury" or "property damage" occurs, or the "personal and advertising injury" offense is committed.

ALL OTHER TERMS AND CONDITIONS OF THIS POLICY REMAIN UNCHANGED.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

RLIPack® FOR DESIGN PROFESSIONALS EXCESS LIABILITY ENHANCEMENT

SCHEDULE OF COVERAGES ADDRESSED BY THIS ENDORSEMENT

A. General Aggregate Limit – Per Project Or Per Location
B. Additional Insured – Primary/Non-contributory
C. Waiver Of Transfer Of Rights Of Recovery Against Others To Us

This endorsement modifies insurance provided under the following:

COMMERCIAL EXCESS LIABILITY COVERAGE FORM

A. General Aggregate Limit – Per Project Or Per Location

Paragraph **2.a.** of **C. Limits of Liability** of **SECTION I – INSURING AGREEMENT** is deleted and replaced by the following:

a. The limit of liability stated in the Declarations as general aggregate is the most we will pay during each policy period for all ultimate net loss, except ultimate net loss because of:

(1) injury and damage included in the products-completed operations hazard or;

(2) any coverage included in **underlying insurance** to which no underlying aggregate applies.

The general aggregate applies separately to each of your "projects" away from premises owned by or occupied by you or to each of your locations owned by or occupied by you.

"Projects" mean an area away from premises owned by or rented to you at which you are performing operations pursuant to a contract or agreement. For the purposes of determining the applicable aggregate limit of insurance, each "project" at the same "location" shall be considered a single "project".

For the purposes of this provision, "location" means

(1) premises involving the same or connecting lots;

(2) premises where connection is interrupted only by a street, roadway, waterway or right-of-way of a railroad; or

(3) premises where operations are performed in sections, stages or phases as a continuation of the same contract or agreement, even if the premises do not involve connecting lots.

B. Additional Insured – Primary/Non-contributory

Paragraph **K. Other Insurance** of **SECTION IV – CONDITIONS** is deleted and replaced by the following:

K. Other Insurance

If other insurance, whether collectible or not, is available to the insured covering a loss also covered by this policy, the insurance afforded by this policy shall be in excess of, and shall not contribute with, such other insurance. However, if the **underlying insurance** provides coverage to an additional insured on a primary basis, or a primary and non-contributory basis, this insurance shall be available to such additional insured on an excess basis over the underlying insurance. We will not share with other insurance which covers such additional insured as a named insured.

C. Waiver Of Transfer Of Rights Of Recovery Against Others To Us

Paragraph **L. Subrogation** of **SECTION IV – CONDITIONS** is deleted and replaced by the following:

L. Subrogation

In the event of any payment under this policy, the insured must notify us of any of the insured's rights of recovery against any person or organization. We shall be subrogated to all such rights. The insured shall execute and deliver instruments and papers and do whatever else is necessary to secure such rights. The insured shall do nothing after loss to prejudice such rights. However we waive any rights of recovery we may have against any person or organization if the **underlying insurance** also waives such rights.

Any amount recovered through subrogation or otherwise shall be apportioned in the inverse order of payment of the claim or claims involved to the extent of actual payment thereof by all interests. The expenses of all such recoveries and proceedings in connection therewith shall be apportioned in the ratio of respective recoveries. With respect to proceedings conducted solely by us, if there is no recovery, we will bear the expense thereof. If there is a recovery, we shall be reimbursed in full from such recovery for the amount of all expenses incurred by us before apportionment of such recovery as herein provided.

ALL OTHER TERMS AND CONDITIONS OF THIS POLICY REMAIN UNCHANGED.