RGD CONSULTING ENGINEERS











Mechanical | Electrical | Structural | Plumbing | Fire Protection

City of Fort Lauderdale RFQ # 943-11367
A Continuing Contract for Mechanical, Electrical & Plumbing
Engineering Services

February 28, 2014

www.rgdengineers.com

Phone: 561-743-0165 | 1232 Indiantown Road, Suite 104, Jupiter, FL 33458



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CONTACT INFORMATION

Nate Davenport, V.P. Director of Operations

RGD Consulting Engineers 1232 W. Indiantown Road, Jupiter, Florida 33458

Phone: 561-743-0165 ext. 102 Nate.Davenport@rgdengineers.com



February 28, 2014

Procurement Services Division Fort Lauderdale City Hall 100 N. Andrews Avenue, Room 619 Fort Lauderdale, FL 33301

Re: RFQ 943-11367: MEP Services | City of Fort Lauderdale

Dear Selection Committee Members:

RGD Consulting Engineers, officially incorporated as RGD & Associates Inc, appreciate the opportunity to submit our qualifications to provide professional engineering services for the City of Fort Lauderdale. We are prepared to perform mechanical, electrical, plumbing and fire protection design and consulting services as needed.

OUR BACKGROUND SERVES YOU

As a full service MEP & Structural engineering firm, RGD's team can provide mechanical, electrical, plumbing and fire protection engineering design, planning, consulting and rehabilitation services in addition to construction administration. Based out of Jupiter, Florida, RGD has been providing engineering solutions throughout the State of Florida and the Caribbean since its inception in 1988. From our office located at the address below, we will be more than able to service the City's engineering needs:

RGD & Associates Inc. 1232 W. Indiantown Road Jupiter, FL 33458 Phone (561) 743-0165 / Fax (561) 743-0193 rgdengineers.com

While we may not have served the City directly, in the past we were able to serve through a continuing service contract with the Broward County School District. We have served in a similar capacity for the Palm Beach School District and the City of West Palm Beach. We offer repeat service for many of our clients including the following facilities that we have been serving for a number of years:

- Phillips Point, WPB
- The Breakers Hotel, WPB
- Office Depot

- Nova Southeastern University
- Caron Treatment Centers
- Marriott Vacation Club

CORPORATE CAPABILITIES

RGD offers the City a talented staff with extensive experience in the design of a variety of facility types for both new and renovation projects. With 22 professionals, each with a wealth of experience and education, RGD is well equipped with the appropriate resources to respond quickly to the City's needs.

We are also capable of providing a wide range of services within the mechanical, electrical, plumbing and fire protection engineering disciplines including the complete design, specifications, documentation and construction administration of systems for Heating-Ventilation-and-Air Conditioning (HVAC),



BID/PROPOSAL SIGNATURE PAGE

How to submit bids/proposals: Proposals must be submitted by hard copy only. It will be the sole responsibility of the Bidder to ensure that the bid reaches the City of Fort Lauderdale, City Hall, Procurement Services Division, Suite 619, 100 N. Andrews Avenue, Fort Lauderdale, FL 33301, prior to the bid opening date and time listed. Bids/proposals submitted by fax or email will NOT be accepted.

The below signed hereby agrees to furnish the following article(s) or services at the price(s) and terms stated subject to all instructions, conditions, specifications addenda, legal advertisement, and conditions contained in the bid. I have read all attachments including the specifications and fully understand what is required. By submitting this signed proposal I will accept a contract if approved by the CITY and such acceptance covers all terms, conditions, and specifications of this bid/proposal.

<u>Please Note:</u> All fields below <u>must</u> be completed. If the field does not apply to you, please note N/A in that field.
Submitted by: 2/25/14/ (signature) (date)
Name (printed): Nate Davenport Title: VP Director of Operations
Company: (Legal Registration): RGD & Associates INC
CONTRACTOR, IF FOREIGN CORPORATION, MAY BE REQUIRED TO OBTAIN A CERTIFICATE OF AUTHORIT FROM THE DEPARTMENT OF STATE, IN ACCORDANCE WITH FLORIDA STATUTE §607.1501.
Address: 1232 W. Indiantown Road, Suite 104 City: Jupiter State: Florida Zip: 33458
Telephone No: <u>561-743-0165</u> FAX No: <u>561-743-0193</u> Email: <u>Nate.Davenport@rgdengineers.com</u> Delivery: Calendar days after receipt of Purchase Order (section 1.02 of General Conditions):
Payment Terms (section 1.04): Total Bid Discount (section 1.05):
Does your firm qualify for MBE or WBE status (section 1.09): MBE WBE
ADDENDUM ACKNOWLEDGMENT - Proposer acknowledges that the following addenda have been received and are included in the proposal:
Addendum No. Date Issued
VARIANCES: State any variations to specifications, terms and conditions in the space provided below or reference in the space provided below all variances contained on other pages of bid, attachments or bid pages. No variations or exceptions by the Proposer will be deemed to be part of the bid submitted unless such variation or exception is listed and contained within the bid documents and referenced in the space provided below. If no statement is contained in the below space, it is hereby implied that your bid/proposal complies with the full scope of this solic itation. HAVE YOU STATED ANY VARIANCES OR EXCEPTIONS BELOW? BIDDER MUST CLICK THE EXCEPTION LINK IS ANY VARIATION OR EXCEPTION IS TAKEN TO THE SPECIFICATIONS, TERMS AND CONDITIONS. If this section does not apply to your bid, simply mark N/A in the section below. Variances:
revised 11-29-11



QUALIFICATIONS OF THE FIRM

FIRM PROFILE

ABOUT RGD CONSULTING ENGINEERS

RGD Consulting Engineers is a full service engineering firm offering structural, mechanical, electrical, plumbing and fire protection engineering design and consulting services.

Founded in 1988, by Bob Davenport, RGD has steadily grown from a 4 man team to a firm of 22. We work with a variety of clients--architects, facility managers, institutions, developers, government agencies and building contractors.

No project is too big or too small, we continually strive to provide the finest customer service coupled with the design of efficient systems for a wide range of projects including religious structures, restaurants, multi-family dwellings, public works, marinas, hospitality, commercial, education and healthcare facilities.

AREAS OF EXPERTISE

Providing engineering services throughout the State of Florida for over 35 years, RGD has both a diverse and versatile portfolio of experience in the provision of MEP & Structural services:

Mechanical Engineering

- HVAC Design & Remediation
- Chilled Water Systems
- Elevator & Stairwell Pressurization Systems
- VAV System Designs
- EMS & Building Automation Systems
- Smoke Control Designs
- Facilities Studies

Electrical Engineering

- Power Distribution Design
- Interior & Exterior Lighting & Photometric
- Emergency Generator & Optional Standby Power Systems
- Fire & Life Safety Systems
- Lighting Control Systems
- Utility Coordination
- Mission Critical UPS Design

CORPORATE INFORMATION

RGD Consulting Engineers 1232 W. Indiantown Road Jupiter, Florida 33458 P 561-743-0165 F 561-743-0193 info@rgdengineers.com http://rgdengineers.com

TYPE OF BUSINESS

Privately Owned & Operated State of Florida Corporation Incorporated July 26, 1988 Florida CA License No: 5454

LEADERSHIP

Robert Davenport, P.E., LEED AP President, Principal Engineer

Nate Davenport, MBA VP Director of Operations

Mike Bishop, P.E., LEED AP Mechanical Dept. Head/Project Manager

Will Rafalko, P.E., LEED AP Electrical Dept. Head/Project Manager

MISSION STATEMENT

Our mission is to build lasting relationships with our customers through exceptional service. We believe in controlling every link in the design chain, from conception to completion, so that the highest level of quality, integrity and professionalism is achieved in everything that we do.

EMPLOYEE PROFILE

22 Team Members

- 1 Executive Management
- 1 Principal
- 16 Engineers
- 2 Draftsman
- 2 Admin / Operations



QUALIFICATIONS OF THE FIRM

FIRM PROFILE CONTINUED

Plumbing Engineering

- Domestic Water Lines
- Sanitary Systems
- Natural Gas & LP Piping Systems
- Medical Gas Systems
- Grease Interceptors
- Ground & Marina Fueling System
- Military Piping Design

Fire Protection Engineering

- Fire Alarm System Design
- Fire Sprinkler Design
- Data Center Clean Agent Fire Suppression
- Atrium Smoke Control Design
- Smoke Evacuation Design

Structural Engineering

- Foundation Analysis & Design
- · Design of New Structures, Additions and Retrofits
- Concrete Repair and Restoration

Building Information Modeling

3D Modeling of Existing & New Structures

Green Building

- LEED Design & Consulting
- HVAC Commissioning
- Energy Modeling
- Life Cycle Cost Analysis

RGD is committed to the creation of sustainable designs, which is why we are a member of LEED and Energy Star. Energy savings can only be achieved if every building system, from heating to security, works cohesively together. The integration of these systems results in better performance and more energy savings.

Our whole building design approach, the coordination of our departments, and our partnership with LEED, enables us to design, construct, and operate facilities that are green friendly.

COMMERCIAL

- Al Packer Lincoln
- Fountainview Plaza
- · Rybovich Marine Center
- Save the Chimps
- Flagler Center
- Phillips Point
- Fisherman's Wharf Plaza
- STS Aviation Solutions

Public Works

- Sunset Cove Amphitheater
- Riverside Plaza
- Jewish Community Center
- St. Lucie Fire Station
- Wellington Amphitheater
- Jupiter West Community Group

EDUCATION

- Nova Southeastern University
- Florida Atlantic University
- North Broward Preparatory School
- Grove Park Elementary School
- · Palm Beach Day Academy
- Meyer Academy
- Gulfstream Academy
- Renaissance Charter School
- Broward State College

HOSPITALITY

- · The Breakers Hotel
- · High Ridge Country Club
- Talis Park Country Club
- Gleneagles Country Club
- Mediterra Country Club

WORSHIP

- Christ Fellowship
- Christ Rock Church
- Generation Church
- Urban Youth Impact
- Grace Fellowship Preschool
- Temple Israel
- Temple Emanu-EL

HEALTHCARE

- · Hanley Medical Center
- St. Mary's Child Development Center
- Children Family Services
- Family Counseling Center
- Behavioral Health
- · Caron Treatment Centers
- Plastic Surgery of the Palm Beaches



RELATED PROJECT EXPERIENCE

THE BREAKERS HOTEL

Palm Beach, Florida

Services Provided: Mechanical, Plumbing, Structural, 3D Modeling

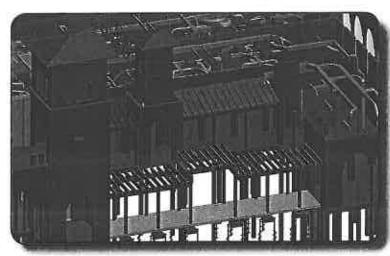
Team Members: Robert Davenport, P.E., Jimmy Farrar P.E., Michael Riemer P.E., & Aida Baez, E.I.

For over 14 years, RGD has provided mechanical, plumbing and structural engineering design and consulting services for The Breakers Hotel for its many yearly renovations including the Flagler Steakhouse, HMF restaurant and the Beach front Ocean Club.

Most recently, RGD has been providing engineering services for the expansion of the Hotel's Ocean Club Spa, which has involved the addition of a second floor fitness center. RGD's team has been using 3D software to create Building Information Modeling of the facility. This is beneficial in the long term as it provides an overview of the facility's entire life cycle and can be used by the managers, architects and contractors.

At the onset of this project, RGD's structural department analyzed the existing structure to determine the feasibility of a second floor addition. Once it was determined that the existing beams and walls would be able to support the second floor, RGD's structural engineers proceeded to design the load bearing CMU walls, arch beams, layout of new wood truss system, new bar joist roof system, new interior steel framing and provided required wind load criteria based on the ASCE 7-10.

In addition, RGD's mechanical and plumbing engineers have worked to coordinate the design of the mechanical systems for the spa and fitness areas. As the spa had special ventilation and plumbing needs due to the materials used and the pedicure stations.



3D model of the Ocean Club Facility.



The Ocean Club, which RGD will be adding a second floor fitness center.



RELATED PROJECT EXPERIENCE

PHILLIPS POINT

West Palm Beach, Florida

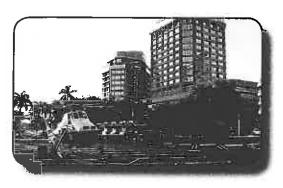
Services Provided: Mechanical, Electrical, Plumbing, Fire Protection & Structural

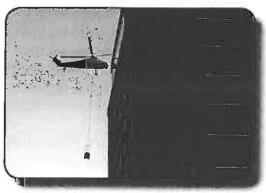
Team Members: Robert Davenport, P.E., Michael Bishop P.E., Will Rafalko P.E. & Michael Riemer P.E.

As the facility engineering firm for over 10 years, RGD has played an integral role in a number of projects for the two17-story buildings that make up Phillips Point.

From redesign of a number of the MEP and structural systems for major tenant improvements of office spaces and restaurants, to modify the building to have working elevator pressurization along with a digital control upgrade, RGD has played a integral role in the design of the engineering systems.

Faced with the challenge of getting four huge elevator pressurizer fans on top of both Phillip Points Towers, without the option of a crane, RGD and team used modular design to come up with an efficient and community friendly option—N658 Bravo.





A helicopter was used to transport the elevator pressurizer fans on top of the towers.

BROKEN SOUND COUNTRY CLUB

Boca Raton, Florida

Services Provided: Mechanical, Electrical, Plumbing, LEED Silver Consulting & Design, Energy Modeling, Life Cycle Cost Analysis, LEED Construction Documents

Team Members: Robert Davenport, P.E., Michael Bishop P.E.

Broken Sound Club completed a facility enhancement, which included design and construction upgrades to the pool and bistro and the new addition of a 38,000 sq. ft. spa and fitness center.

This project was unique as it was seeking LEED Silver Certification, which would make Broken Sound 1 of 3 clubhouse facilities in the state of Florida to receive that certification. As of February 2014, Broken Sound is expected to receive that certification.

RGD's team collaborated with the architect and facility managers to provide the design for the structural, mechanical, electrical, plumbing, fire protection systems. As sustainability and green friendly designs were of the utmost importance, RGD selected HVAC and plumbing equipment that would help the facility meet the requirements set forth by the United States Green Building Department as well as made sure that the design itself was as efficient as possible.



RELATED PROJECT EXPERIENCE

STOF FIRE STATION & EMERGENCY OPERATIONS COMPLEX Hollywood, Florida

Services Provided: Mechanical, Electrical and Plumbing

Team Members: Robert Davenport, P.E., Michael Bishop P.E., & Will Rafalko

RGD acted as the consulting engineer for the Seminole Tribe of Florida Fire Station and Emergency Operation Complex project in Hollywood, Florida.

This project consisted of a 2-story renovation an existing fire station. The first floor of the facility was renovated to house fire station, while the second floor was retrofitted as the emergency operations complex for the entire Seminole Tribe in Florida.

RGD provided the mechanical, electrical and plumbing designs for a full renovation of the facility's systems both the first and second floors.

In addition, RGD's team provided designs for a computer back up UPS and generator to supply power to both the EOC and fire station in the event of a natural disaster.

PORT ST. LUCIE FIRE STATIONS

Port St. Lucie, Florida

Services Provided: Mechanical, Electrical and Plumbing

Team Members: Robert Davenport, P.E., Michael Bishop P.E., & Will Rafalko

The project consisted of retrofitting 10 fire stations with energy efficient HVAC systems, throughout Port St. Lucie, Florida. RGD worked in conjunction with Trane corporation to perform energy analyses on each of the fire stations.

In addition, RGD was responsible for the redesign of all 10 of the fire station's mechanical & electrical systems. The goal was to make each of the station's more energy efficient in addition to cutting on operation costs.

RGD's team performed energy modeling in order to achieve the goals of this project.



QUALIFICATIONS OF THE FIRM

CORPORATE CERTIFICATE

State of Florida Department of State

I certify from the records of this office that RGD & ASSOCIATES, INC. is a corporation organized under the laws of the State of Florida, filed on July 26, 1988.

The document number of this corporation is K29548.

I further certify that said corporation has paid all fees due this office through December 31, 2014, that its most recent annual report/uniform business report was filed on January 8, 2014, and 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 Eighth day of January, 2014



Ken Define Secretary of State

Authentication ID: CC3893481430

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

https://efile.sunbiz.org/certauthver.html

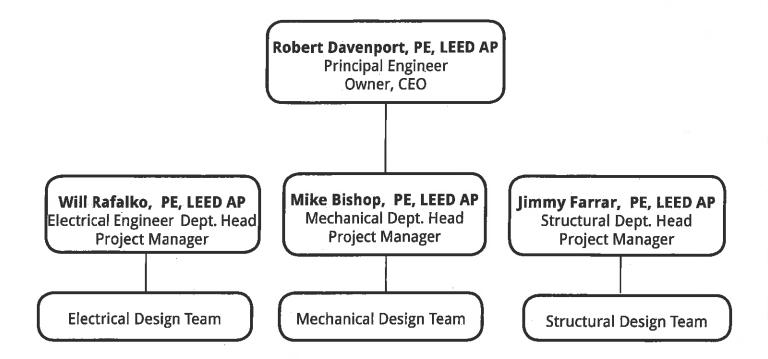


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City of Fort Lauderdale



ORGANIZATIONAL CHART OF PROPOSED TEAM





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12. N/	AME	13. ROLE IN THIS CONTRACT			14.	YEARS	EXPERIENCE
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	Renovation Davie, Florida				2014		
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	For the Flight Deck, the accommodate an outdoor	existing 3,300 sq. ft. area was or kitchen area with an outdoor b and structural elements. Will coo	ar area. R	d whil GD's	le a 1,800 sq. f team designed t	t. add	dition was added to echanical, electrical,
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	Broken Sound Count	ry Club		PROFE	SSIONAL SERVICES	CON	ISTRUCTION (If applicable)
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	Renovation of an existing	50,000 sq. ft. country club, which i ntion of applying for LEED silver certi			0 sq. ft. spa and	fitness	s center. This facility
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d.	A new 56,000 sq. ft., 20 million multipurpose facility, RGD's team of was based upon a chilled water system. In addition, RGD's team project and integration of the digital control systems. Will was the point			provi	ded design of th	ne ger	nerator, site lighting
the generator and site lighting.							
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	Gulfstream Academy	•		PROFE	SSIONAL SERVICES	CON	ISTRUCTION (If applicable)
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	W	ty made up of classrooms and	administr	ative	offices. Under	Will's	leadership, RGD's
	electrical team coordinated the electrical services for the new facility and layout of fire alarm devices. STANDARD FORM 330 (6 2004) PAGE 2						



	E. RE	SUMES OF KEY PERSONNEL PRO				
12. N	AME	13. ROLE IN THIS CONTRACT		70.00.		EARS EXPERIENCE
	Mike Bishop, PE	Senior Mechanical Engineer			A. TOTAL	B. WITH CURRENT FIRM
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	1232 W. Indiantown Road	, Suite 104, Jupiter, Florida 3345	58			
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	resizing the HVAC system and addressing the ventilation issues, in addition to resizing the kitchen air handler. There was insufficient capacity from the chiller on the South Campus, RGD provided needed design remediation.					
	was insufficient capacity t	rom the chiller on the South Camp	us, KGD p	rovideo	a needed design re	emediation.
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	was based upon a chilled	water system.				
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$\mathbf{F1}$	chelor of Science, Ocean Engineer orida Atlantic University ca Raton, Florida	RGD & Ass Authorize	sociates Inc. Co ation CA#5454	ertificate of
	OTHER PROFESSIONAL QUALIFICATIONS (Publications, O.	raspizations Training Awards &C.		
Am	erican Society of Heating, Refricerican Society of Mechanical Engineerican Society of Mechanical Engineerican of Plumbing, Gas and Me	geration and Air-Conditi ineers,National Fire Pro echanical Inspectors, se	DESCRIPTION ASSOCIA	CTOH, PIOLIUG
		19. RELEVANT PROJECTS		
	(1) TITLE AND LOCATION (City and State)	m		AR COMPLETED S CONSTRUCTION (If applicable)
	Nova Southeastern University	Davie, Florida	2013	2014
	(3) BRIEF DESCRIPTION (Brief scape, size, cost, etc.) AND	SPECIFIC ROLF		performed with current firm
a.	Renovation of the school's stud with the addition of an outdoor ductwork and diffuser layout, s provider. RGD provided the load	lent union "The Flight D kitchen and bar area w	nd coordinated to make design	with food service specifications.
-	(1) TITLE AND LOCATION (City and State)		(2) YE	AR COMPLETED
	Nova Southeastern University	Davie, Florida	PROFESSIONAL SERVICE:	S CONSTRUCTION (If applicable) 2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND	SPECIFIC ROLE	× Check if project p	performed with current firm
b.	RGD's team has provided engineering design and consulting for the new Center for Collaborative Research. This involved a fiber optic design for the site. RGD provided design of the chilled water piping from the building to the central chiller plant.			
_	(1) TITLE AND LOCATION (City and State)	<u></u>		AR COMPLETED
	Broward College	Davie, Florida	PROFESSIONAL SERVICE	CONSTRUCTION (If applicable)
			2014	2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND		_	erformed with current firm
c.	The Broward College increased tareas. RGD was involved in rendissues, in addition to resizing from the chiller on the South C	ovating the HVAC system the kitchen air bandle	and addressing r. There was in ign remediation	sufficient capacity to fix issues.
	(1) TITLE AND LOCATION (City and State)		(2) YEA	AR COMPLETED S CONSTRUCTION (If applicable)
	The Meyer Academy	West Plm Beach, Florida	2013	2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND			performed with current firm
d. RGD provided MEP-FP design for 120,000 sq. ft. new classroom and office space. The design was based on a chilled water sysyem with ice storage.				
_	(1) TITLE AND LOCATION (City and State)			AR COMPLETED
		West Palm Beach,		S CONSTRUCTION (If applicable)
	Florida Atlantic University,	Florida	2014	2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND		_	performed with current firm
8.	Refoofing project at the Dauer design for the 47,000 sq. ft. r	Building. RGD's mechani new roof.	cal department	provided plumbing

City of Fort Lauderdale



F. EXAMPLE PROJECTS V QUALIFIC (Present as many projects as requ Complete	VHICH BEST ILLUSTRATE PROPOSE ATIONS FOR THIS CONTRACT iested by the agency, or 10 projects one Section F for each project.	D TEAM'S , if not specified		20. EXAMPLE PROJECT KEY NUMBER 1
21. TITLE AND LOCATION (City and State)			22. YEAR	R COMPLETED
Palm Beach Day Academy	PALM BEACH, FL	PROFESSIONAL	SERVICES	CONSTRUCTION (If applicable)
	·	20	1i	2012
	23. PROJECT OWNER'S INFORM	MATION		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	1	POINT OF	CONTACT TELEPHONE NUMBER
Tercilla Courtemanche AIA	Rene Tercilla		561-47	8-4457

RGD provided professional engineering services pertaining to renovation of the Palm Beach Day Academy K-12 auditorium totaling 30,000 sq. ft. The scope of work included the replacement of all HVAC equipment in the main rooms, modification of the duct work that was not addressed in prior renovations, modification of the sanitary system to accommodate the new room layouts. Also included was full electrical plumbing and fire sprinkler design work. A major component of this project was the new state of the art performance arts theatre. RGD's team upgrading the electrical service to accommodate new sound and musical equipment. RGD also designed for the replacement of a 260 ton chiller and converted the existing facility into a variable volume system.

	25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT				
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE		
a.	RGD & ASSOCIATES ENGINEERS	JUPITER, FLORIDA	PRINCIPAL ENGINEER		
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE		
с.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE		
d.	(†) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE		
θ,	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE		
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE		

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F. EXAMPLE PROJECTS V TEAM'S QU (Present as many projects as request Complete one	20. EXAMPLE PROJECT KEY NUMBER 2			
21. TITLE AND LOCATION (City and State)			COMPLETED	
Nova Southeastern University, The Flight	Dook	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
Davie, Florida	Deck	2013	2014	
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT T	ELEPHONE NUMBER	
Nova Southeastern University Jessica Brumley			262-8835	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)				

To prepare for the renovation, RGD conducted an engineering survey of the student union "Flight Deck" area, supporting site and roof areas of the Don Taft University Center. The mechanical, electrical, plumbing, fire sprinkler and fuel gas systems were evaluated in regards to the proposed renovation space.

For the Flight Deck, the existing 3,300 sq. ft. area was renovated while a 1,800 sq. ft. addition was added to accommodate an outdoor kitchen area with an outdoor bar area. RGD's team designed the mechanical, electrical, plumbing, fire protection and structural elements

RGD worked closely with the owner, architect ACAI Associates and landscape architect EDSA through the planning and construction of the project, which is expected to open in the spring of 2014.

	25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT				
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE		
a.	RGD & Associates Engineers	Jupiter, Florida	Mechanical, Electrical, Plumbing and Fire Protection Engineering services		
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE		
b.					
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE		
C.					
_	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE		
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F. EXAMPLE PROJECTS V TEAM'S QU (Present as many projects as request Complete one	20. EXAMPLE PROJECT KEY NUMBER 3		
21. TITLE AND LOCATION (City and State)	22. YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION (If applicable)		
Nova Southeastern University Center For Davie, Florida	2014		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TO	ELEPHONE NUMBER
Nova Southeastern University Jessica Brumley 954-262-8835			

The Center for Collaborative Research will enable the university to expand its research efforts. The project will cost more than \$73 million to construct in addition to \$20 million worth of research equipment.

The 214,131 sq. ft. training research facility will offer full-service labs for many of NSU's innovative researchers, as well as a General Clinical Research Center, parking garage and a physical plant. The Center will house several organizations & research groups including:

- Rumbaugh-Godwin Institute for Cancer Research
- The Buehler Foundation facility
- Florida Lambdarail
- The NSU Technology Incubator
- U.S. Geological Survey (USGS)

RGD has collaborated with the owner and architect, ACAI Associates for the duration of this project. RGD's team designed the mechanical, electrical and plumbing systems. Some aspects of the design included fiber optics and medium voltage electrical distribution system.

	25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT				
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE		
a.	RGD & Associates Engineers	Jupiter, Florida	Mechanical, Electrical, Plumbing and Fire Protection Engineering services		
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE		
<u>с.</u>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) RÖLE		
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE		
e .	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE		
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE		
			STANDARD FORM 330 (6/2004) PAGE 3		



F. EXAMPLE PROJECTS \ TEAM'S Q (Present as many projects as reques Complete one	WHICH BEST ILLUSTRATE PROI UALIFICATIONS FOR THIS CON ted by the agency, or 10 projec g Section F for each project.)	TRACT	20. EXAMPLE PROJECT KEY NUMBER 4
21. TITLE AND LOCATION (City and State) Broward College, Davie, Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION (If appl	
		2013	2014
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TO	ELEPHONE NUMBER
Broward College/ Leo A Daly Mark Ugowski, Leo A Daly		561-688-2111	
24, BRIEF DESCRIPTION OF PROJECT AND REL	EVANCE TO THIS CONTRACT (Include	scope, size, and cost)	

Broward College enlisted Leo A Daly to manage the renovation of its dining areas on the north, south and central campuses. The renovations revealed the need to update a number of the engineering systems for each campus. RGD worked with Broward College and Leo a Daly, to provide the needed structural, mechanical, electrical, plumbing and fire protection services required in order to make the updates to the dining areas.

Central Campus

The seating capacity of the dining area was increased, rendering the single unit insufficient. RGD designed a new HVAC system and addressed the ventilation concerns. RGD also resized the undersized cooking hoods in the kitchen.

North Campus

To accommodate the increased seating, RGD's team redesigned the HVAC system, which including an larger kitchen air handler and increased the makeup air on the exhaust hood. RGD revised the fire sprinkler layout of the space in order to accommodate the interior architectural changes.

South Campus

The chilled water supply from the central plant was only 4", which resulted in insufficient capacity. RGD's design team conducted extensive discovery on the campus to determine the best solution for this issue, as the tertiary pump provided only limited relief due to the restricted pipe size. Remediation in the form of an air cooled DX was provided as the appropriate solution.

	25. FI	RMS FROM SECTION C INVOLVED	WITH THIS PROJECT
_	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	RGD & Associates Engineers	Jupiter, Florida	Structural, Mechanical, Electrical, Plumbing and Fire Protection Engineering services
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) FOLE
b.			
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d.	,		
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	F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)			20. EXAMPLE PROJECT KEY NUMBER	
	Complete of	ie Section F for each project.)		. 5	
21. TITLE AND LOCATION (City and State) 22		22. YEAR	AR COMPLETED		
Gu Gu	Ifstream Academy Ifstream, Florida	•	PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable)	
a.	PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT T		
	Gulfstream Academy & Tercilla	Stephan Claren, Tercilla	561-4	78-4457	

The Gulfstream Academy involved a 6,000 sq. ft. new facility. RGD designed the structural, mechanical, electrical and plumbing systems and providing 100% outside air to space. RGD also performed all the cooling load and energy load calculations, design of the ductwork and diffuser layout. RGD's team provided an ordinary hazard group 1 fire protection plan for permit.

RGD's team also provided the structural design of the foundation system and the primary building structural systems including columns, beams, walls and slabs for design loads as defined by the Florida building Code Chapter 16.

	25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE	
a.	RGD & Associates Engineers	Jupiter, Florida	Structural, Mechanical, Electrical, Plumbing and Fire Protection Engineering services	
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE	
c.	(1) FIEM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE	
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE	
Θ.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE	
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE	

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f. EXAMPLE PROJECTS V TEAM'S QU (Present as many projects as request Complete one	VHICH BEST ILLUSTRATE PROJ JALIFICATIONS FOR THIS CON ted by the agency, or 10 project Section F for each project.)	ITRACI	20. EXAMPLE PROJECT KEY NUMBER 6
21. TITLE AND LOCATION (City and State)		22. YEAR COMPLETED	
Phillips Point		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Phillips Point West Palm Beach, Florida		2014	2014
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT T	ELEPHONE NUMBER
Phillips Point Hal Friedman, GM			33-7749

As the facility engineering firm for over 10 years, RGD has played an integral role in a number of projects for the two17-story buildings that make up Phillips Point.

From redesign of a number of the MEP and structural systems for minor tenant improvements of office spaces and restaurants, to modify the building to have working elevator pressurization along with a digital control upgrade, RGD has played an integral role in the design of the engineering systems.

Faced with the challenge of getting four huge elevator pressurizer fans on top of both Phillip Points Towers, without the option of a crane, RGD and team came up with the most cost efficient and community friendly option as possible—N658 Bravo.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
		(3) ROLE	
(1) FIRM NAME	(2) FIRM LOCATION (City and State)		
a. RGD & Associates Engineers	Jupiter, Florida	Mechanical, Electrical, Plumbing and Fire Protection Engineering services	
(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE	
b.			
(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE	
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(4) FIRM MANG	(2) FIRM LOCATION (City and State)	(3) ROLE	
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d.			
	CONTROL CONTROL CONTROL	(3) ROLE	
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		A 2015	
(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE	
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F. EXAMPLE PROJECTS TEAM'S O (Present as many projects as reques Complete on	WHICH BEST ILLUSTRATE PROF UALIFICATIONS FOR THIS CON Ited by the agency, or 10 project e Section F for each project.)	POSED TRACT is, if not specified.	20. EXAMPLE PROJECT KEY NUMBER
21. TITLE AND LOCATION (City and State)		PROFESSIONAL SERVICES CONSTRUCTION (If applicable)	
		2013	2014
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TI	ELEPHONE NUMBER
Broken Sound, Peacock + Lewis	Jon Olson, NCARB, Peacock + Lewis	561-6	26-9704

Broken Sound Club completed a facility enhancement, which included design and construction upgrades to the pool and bistro and the new addition of a 38,000 sq. ft. spa and fitness center.

This project was unique as it was seeking LEED Silver Certification, which would make Broken Sound 1 of 3 country club facilities in the state of Florida to receive that certification. As of January 2014, Broken Sound was expected to receive that certification.

RGD's team collaborated with the architect and facility managers to provide the design for the structural, mechanical, electrical, plumbing, fire protection systems. As sustainability and green friendly designs were of the utmost importance, RGD selected HVAC and plumbing equipment that would help the facility meet the requirements set forth by the United States Green Building Department as well as made sure that the design itself was as efficient as possible.

	(1) FIRM NAME (2) FIRM LOCATION (City and State) (3) ROLE		
a.	RGD & Associates Engineers	Jupiter, Florida	Structural, Mechanical, Electrical, Plumbing and Fire Protection Engineering services
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	i3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
9.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

City of Fort Lauderdale



F. EXAMPLE PROJECTS W TEAM'S QU (Present as many projects as request Complete one	20. EXAMPLE PROJECT KEY NUMBER 8		
21. TITLE AND LOCATION (City and State)		22, YEAR	COMPLETED
Mandel Jewish Community Center Palm Beach Gardens, Florida		PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) 2013
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONT	ACT TELEPHONE NUMBER
Tercilla Courtemanche	Rene Tercilla, Tercilla Courtemanche	561-478-4457	

After 5 years of preparation and construction, the Mandel Jewish Community Center of Palm Beach Gardens was completed in the fall of 2013. The 56,000 sq. ft. facility is multipurpose and houses a number of programs:

- Early Childhood Learning Center
- Indoor Children's Play Area
- Gymnasium
- Fitness Studio
- Social Hall
- Fully Equipped Adult Education Classrooms
- Teaching Kitchen
- · Art Gallery and Cafe
- Youth Lounge
- Aquatics Center
- Playground

Completed on time and on budget, this \$20 million project was designed by Tercilla Courtemanche Architects, with RGD providing the mechanical, electrical and plumbing engineering designs for the project.

RGD's team designed the facility's MEP systems, which was based upon a chilled water system. In addition, RGD's team provided design of the generator, site lighting layout and integration of the digital control systems.

(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
RGD & Associates Engineers	Jupiter, Florida	Mechanical, Electrical, Plumbing and Fire Protection Engineering services
(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE .
(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)			20. EXAMPLE PROJECT KEY NUMBER 9	
21. TITLE AND LOCATION (City and State) 2		22. YEAR	R COMPLETED	
The Breakers Hotel Boca Raton, Florida		PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable)	
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TE		
The Breakers Hotel	Cyndee Adams	561-659-8461		

For over 14 years, RGD has provided mechanical, plumbing and structural engineering design and consulting services for The Breakers Hotel for its many yearly renovations including the Flagler Steakhouse, HMF restaurant and the Beach front Ocean Club.

Most recently, RGD has been providing engineering services for the expansion of the Hotel's Ocean Club Spa, which has involved the addition of a second floor fitness center. RGD's team has been using 3D software to create Building Information Modeling of the facility. This is beneficial in the long term as it provides an overview of the facility's entire life cycle and can be used by the managers, architects and contractors.

At the onset of this project, RGD's structural department analyzed the existing structure to determine the feasibility of a second floor addition. Once it was determined that the existing beams and walls would be able to support the second floor, RGD's structural engineers proceeded to design the load bearing CMU walls, arch beams, layout of new wood truss system, new bar joist roof system, new interior steel framing and provided required wind load criteria based on the ASCE 7-10.

In addition, RGD's mechanical and plumbing engineers have worked to coordinate the design of the mechanical systems for the spa and fitness areas. As the spa had special ventilation and plumbing needs due to the materials used and the pedicure stations.

RGD's structural department also conducted nondestructive testing of the North and South Ocean Tower Balconies. The goal of the testing was to determine the existing conditions of the structural components to identify the extent of corrosion in order to develop an appropriate repair program.

	25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE	
а.	RGD & Associates Engineers	Jupiter, Florida	Structural, Mechanical, Electrical, Plumbing and Fire Protection Engineering services	
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE	
С.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE	
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE	
е.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE	
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE	
	<u> </u>		OVALUE AND HODEL CO.	

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F. EXAMPLE PROJECTS W TEAM'S QU (Present as many projects as request Complete one	POSED TRACT is, if not specified.	20. EXAMPLE PROJECT KEY NUMBER 10	
21. TITLE AND LOCATION (City and State)	• • •	22. YEAR	COMPLETED
Al Packer Ford Lincoln Dealership		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Al Packer Ford Lincoln Dealership West Palm Beach, Florida		2013	2014
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TO	ELEPHONE NUMBER
Tercilla Courtemanche	Rene Tercilla, Tercilla Courtemanche	561-4	78-4457

The project consisted of the modernization of several buildings within the dealership inclusive of drive through area changes. To accomplish this, existing conditions were evaluated and upgraded while working with Ford Motor Company Facilities Personnel in Michigan. All new exterior envelopes and structural systems were upgraded during this project. As a second phase, a new separate but complete Lincoln facility is being constructed. RGD shall supply structural, mechanical, electrical, plumbing and fire protection for the new Lincoln facility.

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	RGD & Associates Engineers	Jupiter, Florida	Structural, Mechanical, Electrical, Plumbing and Fire Protection Engineering services
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
b.			
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
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_	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
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^{24.} BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)



	G. KEY PERSONNEL PARTIC	CIPATIO	N IN I	EXAMP	LE PRO	JECTS							
26. NAMES OF KEY PERSONNEL (From Section E,	27. ROLE IN THIS CONTRACT (From Section E, Block 13)		CONTRACT table. Place "X" under project key number for participation in same or similar role.)										
Block 12)			2	3	4	5	6	7	8	9	10		
ROBERT DAVENPORT P.E.	Principal Engineer	1 x	×	×	×	×	×	×	×	×	×		
WILL RAFALKO P.E.	Electrical Engineer	×	×	×	×	×	×	×	×	×	×		
Jimmy Farrar P.E.	Structural Engineer		×		ж	×	×	×	×		×		
Mike Bishop, P.E.	Mechanical Engineer	×	×	×	×	×	×	×	×	×	K		
											-		
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29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Palm Beach Day Academy	6	Phillips Point
2	Nova Southeastern University-Flight Deck	7	Broken Sound Country Club
3	Nova Southeastern University-Center For Collaborative Research	8	Mandel Jewish Community Center
4	Broward College, North, South & Central Campus Dining Renovation	9	The Breakers Hotel
5	Gulfstream Academy	10	Al Packer Lincoln Dealership Remodel

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H. ADDITIONAL INFORMATION

30, PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

Background

Incorporated in 1988, RGD provides structural, mechanical, electrical, plumbing and fire protection engineering design and construction administration. We have a wide range of project experience from new construction to renovations for higher education facilities, commercial properties and clubhouses. RGD is also experienced at designing marina and aircraft fueling facilities.

RGD is familiar with designing for the unique nature of higher education facilities. currently have ongoing projects at Nova Southeastern University, Broward College and Florida Atlantic University.

In addition we have many years of experience in designing for K-12 education facilities. We served the Broward County School district for over two years as the MEP engineer of record for the design and construction of seven elementary schools in the Broward County district.

We have also been serving the Palm Beach County School Board under a continuing services contract for over 6 years and have been able to provide engineering services for over 200 schools.

Along with our public school experience, in the last ten years our work has included design and construction of several significant private educational facilities. These include, Palm Beach Day Academy, Wellington Christian School, The Weiss School in Palm Beach Gardens, Kings Academy School in West Palm Beach and First Academy School in Orlando.

Beyond engineering service for educational clients, we also are providing continuing engineering support to clients such as the Breakers Hotel and Phillips Point Plaza in West Palm Beach.

Corporate Capabilities

The Employees

The greatest strength and asset of RGD is its employees. They are part of a family and are encouraged to excel in every area of their life. They are valued and their personal and professional success is of paramount importance to the company.

The Services

We offer a wide variety of full services including design, specification and construction administration of structural and plumbings systems, heating-ventilating-and-air conditioning (HVAC) systems, electrical systems, and fire protection systems for both high-rise and low-rise structures. Additionally, we provide the following related services:

- Design and Consulting MEP & Structural Services
- Peer reviews of existing designs for enhanced quality control
- Energy modeling of existing and new structures
- Commissioning services for existing and new MEP systems
- Management for projects pursuing LEED accreditation
- Facility Survey reports of existing MEP systems

7.1	I. AUTHORIZED REPRESENTATIVE / The foregoing is a statement of facts.	
31. SIGNATURE HAND Javen		32. DATE 02/20/2014
33. NAME AND TITLE		

ROBERT DAVENPORT, P.E. LEED AP

PRESIDENT RGD & ASSOCIATES ENGINEERS

STANDARD FORM 330 (8/2004) PAGE 5



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	FOR LOCAL REP		 -				STANDARD FORM		/2004) PAGE 6





BOB DAVENPORT, P.E., LEED AP Principal Engineer Over 35 years of Experience

EDUCATION

Florida Atlantic University, 1973 B.S., Ocean Engineering

PROFESSIONAL REGISTRATION

- Florida Registered Engineer PE#31932 CA#5454
- Florida General Contractor CGC #1508308
- Louisiana Professional Engineer PE #35668
- Washington DC Professional Engineer PE#905968
- Alabama Professional Engineer PE #78413
- Ohio Professional Engineer PE #76023
- North Carolina Professional Engineer PE#035348
- Maryland Professional Engineer PE #38401
- Pennsylvania Professional Engineer PE #78413
- Puerto Rico Professional Engineer PE #24629
- Hawaii Professional Engineer PE #15102

BACKGROUND

With over 35 years in the industry, Bob Davenport has a wealth of project experience. He is proficient in designing and building systems for almost every project type with a special emphasis on clubhouses, marinas, education and healthcare facilities, commercial and residential facilities. Bob is most often on site overseeing the systems that he and his team have designed.

EXPERIENCE

NOVA SOUTHEASTERN UNIVERSITY

Davie, Florida

Renovation of the school's student union "The Flight Deck." The renovation included the addition of a 1,800 sq. ft. outdoor kitchen and bar area with a patio. RGD designed the ductwork and diffuser layout, sized the grease traps and coordinated with food service provider. RGD provided the load calculations in order to make design specifications.

NOVA SOUTHEASTERN UNIVERSITY

Davie, Florida

RGD's team has provided engineering design and consulting for the new 7-story, 214,121 sq. ft. Center for Collaborative Research. This involved a fiber optic design for the site. RGD provided design of the chilled water piping from the building to the central chiller plant.

BROWARD COLLEGE

Davie, Florida

The Broward College increased the

size of the North, South and Central Campuses' Dining areas. RGD was involved in resizing the HVAC system and addressing the ventilation issues, in addition to resizing the kitchen air handler. There was insufficient capacity from the chiller on the South Campus, RGD provided needed design remediation.

THE BREAKERS HOTEL

Palm Beach, Florida

Bob is the project manager for all RGD's projects at the Breakers. He has supervised MEP designs for a number of the hotel's facilities, including pool area, office space, the Breakers Flagler Steakhouse and HMF restaurant.

PHILLIPS POINT

West Palm Beach, Florida Bob's years of experience have played a vital role at Phillips Point, especially with the elevator pressurization and digital control upgrade. He was at the forefront of the design and the execution of design.

AFFILIATIONS

- American Society of Heating, Refrigeration and Air-Conditioning Engineers
- American Society of Mechanical Engineers
- National Fire Protection Association
- Florida Association of Plumbing, Gas
- and Mechanical Inspectors
- National Society of Plumbing Engineers
- National Council of Examiners for Engineering and Surveying
- United States Green Building Council

City of Fort Lauderdale





MIKE BISHOP P.E., LEED AP Senior Mechanical Engineer Over 15 years of Experience

EDUCATION

University of Florida, 1996 B.S., Industrial Engineering

PROFESSIONAL REGISTRATION

 Florida Registered Engineer PE#7300

AFFILIATIONS

- American Society of Heating, Refrigeration and Air-Conditioning Engineers
- American Society of Mechanical Engineers

BACKGROUND

Mike Bishop worked for Energizer Battery for several years before joining the RGD team. As RGD's mechanical department head, Mike oversees the design and production of HVAC, plumbing and fire sprinkler plans. His specialty is diagnosing and repairing complex indoor air quality issues.

EXPERIENCE

BROKEN SOUND COUNTRY CLUB

Boca Raton, Florida

Mike's knowledge of HVAC systems helped RGD's team facilitate the energy efficient design for the 50,000 sq. ft. renovation that included design updates to kitchen dining area and new spa/fitness center. This project is in the process of being LEED Silver certified.

JEWISH COMMUNITY CENTER OF THE PALM BEACHES

Palm Beach Gardens, Florida
New construction of a 56,000 sq. ft.
community center. Mike was key in
the coordination of the MEP designs
for the project and was involved in
the construction administration
phase. He made several on-site visits
in order to insure the proper installation of the mechanical systems according to RGD's designs

MARRIOTT'S ARUBA SURF CLUB

Palm Beach, Aruba

For this HVAC renovation on an existing 900 room resort, Mike was a key player in the design and on-site management throughout the project. He spent weeks on-site supervising installation.

CHRIST FELLOWSHIP

Boynton Beach, Florida

Mike led RGD's mechanical team for the design of the renovation of an existing Dillard's building. This facility accommodates a worship center, bookstore/coffee shop, children's area and administrative offices.

CHRIST FELLOWSHIP

Stuart, Florida

An ongoing project, Mike has coordinated with the architect and owner in order too ensure MEP designs fit into the project's goal. This project is being done in Revit BIM, which will provide a Building Information Modeling of the facility in its entirety.

BONITA BAY COUNTRY CLUB

Bonita Springs, Florida MEP & Structural design and consulting services for the renovation of a 50,000 sq. ft. country club, including dining area and spa/fitness center.

GULFSTREAM ACADEMY

Gulfstream, Florida

Mike coordinate and supervised the MEP designs for the school's new facility, which was designed to house classrooms and offices.





WILL RAFALKO P.E., LEED AP Senior Electrical Engineer Over 10 years of Experience

EDUCATION

Virginia Polytechnic Institute & State University, 2002 B.S., Electrical Engineering

PROFESSIONAL REGISTRATION

- Florida Registered Engineer PE#71812
- Virginia Professional Engineer PE#46316
- Maryland Professional Engineer PE#39323
- LEED AP BD+C #10018048

AFFILIATIONS

 National Council of Examiners for Engineering and Surveying #40827

BACKGROUND

Will Rafalko's experience prior to RGD includes USG facilities, lighting design and prototype electrical documents for fortune 500 retail stores, commercial and mixed-use high-rise buildings including over 2 million sq. ft. of tenant design and over 1 million sq. ft. in base building design. As RGD's electrical engineering department head, Will oversees all electrical designs and acts as a project manager on numerous projects.

EXPERIENCE

BROWARD COLLEGE

Davie, Florida

Electrical services for the interior improvements of the Broward College Dining Areas & Kitchens including new light fixtures, and relocation of vending machines. In addition electrical service was provided to accompany the mechanical changes to increase the equipment due to the increased seating and ventilation issues in the dining areas.

BROKEN SOUND COUNTRY CLUB

Boca Raton, Florida

RGD's team provided design and consulting services for a 50,000 sq. ft. renovation that included design updates to kitchen dining area and new spa/fitness center. Will's experience in the design of energy efficient lighting played in integral role in helping the project meet its LEED Silver certification.

JEWISH COMMUNITY CENTER OF THE PALM BEACHES

Palm Beach Gardens, Florida Will led the electrical team in coordinating the electrical design, site lighting and generator design for the new construction of a 56,000 sq. ft. community center.

NOVA SOUTHEASTERN UNIVERSITY

Davie, Florida

For the Flight Deck, the existing 3,300 sq. ft. area was renovated while a 1,800 sq. ft. addition was added to accommodate an outdoor kitchen area with an outdoor bar area. RGD's team designed the mechanical, electrical, plumbing, fire protection and structural elements. Will coordinated the power needs for this renovation.

GULFSTREAM ACADEMY

Gulfstream, Florida

A 6,000 sq. ft. new facility made up of classrooms and administrative offices. Under Will's leadership, RGD's electrical team coordinated the electrical services for the new facility and the design of the fire alarm device layout.

CHRIST FELLOWSHIP

Boynton Beach, Florida

RGD's electrical team provided designs for the renovation of an existing Dillard's building. This facility accommodates a worship center, bookstore/coffee shop, children's area and administrative offices.



QUALIFICATIONS OF THE PROJECT TEAM REGISTRATION

State of Florida

Board of Professional Engineers RGD & Associates, Inc.

is authorized under the provisions of Section 4/1.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

Expiration: 2/28/2015 Audit No: 228201500508 Certificate of Authorization

CA Lic. No:

Board of Professional Engineers

Robert Glen Davenport, P.E.

under Chapter 471, Florida Statutes ls licensed as a Professional Engineer P.E. Lic. No: Expiration: 2/28/2015

Audit No: 228201506057

31932



QUALIFICATIONS OF THE PROJECT TEAM REGISTRATION

State of Florida

Board of Professional Engineers

William K. Rafalko, P.E.

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015
P.E. Lic. No:

Audit No: 228201520248

State of Florida

Board of Professional Engineers

Michael Jeffrey Bishop, P.E.

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes

Expiration: 2/28/2015 Audit No: 228201507028

P.E. Lic. No: 73000

71812



PROJECT MANAGER'S EXPERIENCE

As the department heads of their disciplines, Mike Bishop and Will Rafalko would also serve as the project managers for the City. Both have extensive project management experience. What's more is, RGD's comprehensive approach to projects, creates seamless coordination between our project managers and disciplines. This means that the MEP & Structural package is carefully coordinated so every project is delivered on time and on budget.

MIKE BISHOP, PE

MECHANICAL DEPARTMENT HEAD/PROJECT MANAGER

Mike has over 15 years of experience serving as a mechanical engineer and project manager. His diverse background in the management of new and renovation projects makes him well suited to manage the City's projects. Mike specializes in efficient HVAC designs and has ample experience designing and overseeing plumbing and fire protection designs. Over the years Mike has successful managed several projects at RGD, most recently he has been involved with the following projects:

Broken Sound Country Club, Boca Raton, Florida

Mike's knowledge of HVAC systems helped RGD's team facilitate the energy efficient design for the 50,000 sq. ft. renovation that included design updates to kitchen dining area and new spa/fitness center. This project is in the process of being LEED Silver certified.

Jewish Community Center of the Palm Beaches, Palm Beach Gardens, Florida

New construction of a 56,000 sq. ft. community center. Mike was key in the coordination of the MEP designs for the project and was involved in the construction administration phase. He made several on-site visits in order to insure the proper installation of the mechanical systems according to RGD's designs. This project was completed on time and on budget.

For more information, please refer to Mike's resume in "Qualifications of the Project Team"

WILL RAFALKO, PE

ELECTRICAL DEPARTMENT HEAD/PROJECT MANAGER

Will has over 10 years of experience serving as an electrical engineer and project manager. Will is a detail oriented project manager and relentlessly insures that the projects he is in charge of are well coordinated between disciplines. His experience in lighting design, fire alarm device layouts, photometrics, and power capacity, makes him well qualified to supervise such services. Over the years Will has successful managed several projects at RGD, most recently he has been involved with the following projects:

Nova Southeastern University, Davie, Florida

For the Flight Deck, the existing 3,300 sq. ft. area was renovated while a 1,800 sq. ft. addition was added to accommodate an outdoor kitchen area with an outdoor bar area. RGD's team designed the mechanical, electrical, plumbing, fire protection and structural elements. Will coordinated the power needs for this renovation. Will acted as the project manager for this and was in charge of coordinating with the both architects on the project, in addition to the owners.

Christ Fellowship, Boynton Beach, Florida

Under Will's management, RGD's design team provided MEP & Structural designs for the renovation of the church's new sanctuary-an abandoned Dillard's department store. This facility was designed to accommodate a worship center, bookstore/coffee shop, children's area and administrative offices.

For more information, please refer to Will's Resume in "Qualifications of the Project Team"



APPROACH TO SCOPE OF WORK

OUR BACKGROUND SERVES YOU

In today's economy of budget cuts and layoffs, the City of Fort Lauderdale needs a firm that will work to fulfill its best interest. As a full service engineering firm, RGD's team can provide cost effective mechanical, electrical, plumbing and fire protection engineering design, planning, consulting and rehabilitation services in addition to construction administration for the City of Fort Lauderdale. RGD fully understands the needs of the City and is capable of meeting those needs with our staff of experienced personnel. With 22 professionals, each with a wealth of experience and education, RGD is well equipped with the appropriate resources to respond quickly to the City's needs.

RGD is in a unique position to service the City's needs as a full service MEP firm. Our wide range of project experience from fire stations, municipal facilities, clubhouses, commercial and mixed use facilities, means we are well equipped to provide the engineering services for the diverse projects the City may have needs for under a continuing service contract.

We are also capable of providing a number of services within the mechanical, electrical, plumbing, fire protection and structural engineering disciplines including the complete design, specifications, documentation and construction administration of systems for Heating-Ventilation-and-Air Conditioning (HVAC), electrical systems including power, lighting and fire alarm; plumbing systems; and fire protection systems for high-rise and low-rise structures.

What's more is RGD's team is committed to creating cost effective designs in order to conserve our world's natural resources. We design systems that exceed the requirements of the Florida Energy Code to save energy and reduce operations costs.

Our whole building design approach, the coordination of our departments, and our partnership with LEED and Energy Star, enables us to design, construct and operate facilities that are green friendly.

PROJECT APPROACH

RGD has the greatest success in meeting the Client's expectations when all possible input from the City and the facilities is obtained at the beginning of the project. RGD believes that good engineering and quality of experience are greatly devalued without the two important skills of listening well and communicating properly.

We listen to the Client's needs to determine the correct project scope. We understand how to mentally put ourselves in the actual place of the person's who are or will be the ultimate users and maintainers of the project systems.

We communicate with the Client and the entire project team in a thorough professional manner so that all issues are open to the Client and members of the professional services team. Proactive communication is a powerful tool for yielding a significant quality control benefit to the overall project.

RGD knows that a successful project will only occur by listening and working closely with the Client, to ensure that the Client's vision of the project is the actual end result. RGD will listen to your professional staff and involve them in all appropriate decisions making processes to the extent required to ensure expected results.



APPROACH TO SCOPE OF WORK

Mechanical and electrical systems are the most dynamic systems within a facility. That's why clear communication and listening to the needs of the Client is important for a successful project.

SCHEDULE METHODOLOGY

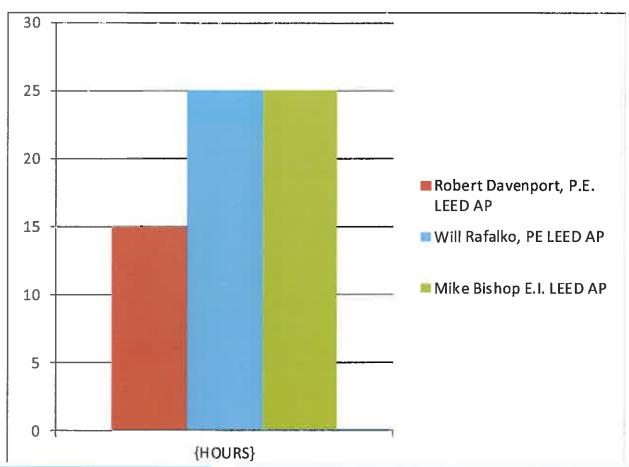
As this proposal is for a continuing service contract with the City of Fort Lauderdale, projects will vary in scope and size. Per each project request, RGD will work with the Client in order to create the most cost effective and reasonable timeline to meet project objectives.

RGD will respond quickly to each project request in order to ensure the continuity of the project. Developing a timeline first begins with conducting discovery in order to determine the overall project scope. RGD will coordinate with the Client to create a detailed outline of the schedule and critical path model to ensure the project is a success.

AVAILABILITY PER WEEK

RGD's current workload consists of an estimated 20 projects per month. Our project managers are capable of partitioning project resources so that each job gets its required attention so that our team meets our deadlines.

RGD will dedicate all required resources to the City's projects to maintain sufficient staffing to successfully conclude the project within the terms of the agreement. Please see graphic chart below for staffing and hours assigned per week.





APPROACH TO SCOPE OF WORK

TECHNOLOGICAL CAPABILITIES

Our staff is well versed in the latest analysis, design and project management tools. As expert operators of BIM software, our engineers are able to produce accurate design, analysis and documentation of more efficient building systems from concept through to construction. Through BIM we can produce a 3D representation of a facility's physical and functional characteristics in order to better understand its behavior in a computer environment prior to construction. This process significantly lowers the amount of changes in the field and reduces cost by allowing contractors to provide more accurate pricing.

CORPORATE HEADQUARTERS

- 38 -

RGD would service the City from our headquarters at the following location:

1232 W. Indiantown Rd., Suite 104 Jupiter, FL 33458

This office is well equipped with the latest technologies and houses RGD's 22 personnel. Our staff is available by phone or email from 8:30 am to 5:30 pm everyday, with our Project Managers being accessible 24 hours a day.



References

HAL FRIEDMAN, Facilities Manager | Phillips Point

Phone: 561-833-7749

Email: hfriedman@colonnadeproperties.com

Address: 777 South Flagler Drive, West Palm Beach, FL 33401

Project Description: RGD has been the engineer of record for Phillips Point for over 10 years. While we have been involved in a number of tenant improvement projects, we have also completed a whole building digital controls upgrade in addition to an elevator pressurization project. The cost of construction has been over 30 million.

MICHAEL RIDGWAY, Project Manager | The Weitz Company

Phone: 561-723-0511

Email: Michael.Ridgway@weitz.com

Address: 1 South County Road, Palm Beach, FL 33480

Project Description: RGD has had the privilege of working with Mr. Ridgway for over 12 years on several projects at the Breakers including The Breakers Hotel Ocean Club. This ongoing project involves a second floor fitness addition and a spa center. The construction costs for work over the years has been over 100 million dollars.

MICHAEL SCHMIDT, Sr. Manager-Architecture | Office Depot

Phone: 561-438-2976

Email: jmichael.schmidt@officedepot.com

Address: 6600 North Military Trail; N209C | Boca Raton, FL 33496

Project Description: RGD works closely with Michael Schmidt for 2 years on Office Depot stores located in Southeastern USA. We have provided MEP & structural design services for several new stores, costing over 5 million.

JESSICA BRUMLEY, Director, Design & Construction | Nova Southeastern University

Phone: 954-262-8835

Email: jw1263@nova.edu

Address: 3301 College Avenue, Fort Lauderdale, FL 33312

Project Description: For 2 years, RGD has worked with Ms. Brumley on a number of renovation & new projects at Nova Southeastern University. Some recent projects include the renovation of the Flight Deck. Construction began at the end of last year and cost an estimate 10 million in construction costs.

TROY ASCHE, Regional Vice President of Florida | Marriott Vacation Club International

Phone: +1 407-513-6788

Email: Troy.Asche@vacationclub.com

Address: 6720 Captains Way, Orlando, Florida 32821

Project Description: RGD performed a full HVAC renovation of the Marriott's Aruba Surf Club in Palm Beach, Aruba. This project was ongoing for 5 years with construction costs estimating over 10 million. We are currently getting ready to do the same for the Aruba Ocean Club.



MINORITY/WOMAN (M/WBE) PARTICIPATION

RGD Consulting Engineers is not recognized a minority or woman business enterprise under the **State** of Florida. However, RGD is recognized as a M/WBE under the Palm Beach County School District and the City of West Palm Beach.

RGD is committed to meet or exceed the project M/WBE participation requirements during the term of the contract. RGD is committed to working with the City's Office of Small/Minority Businesses in the selection of qualified M/WBE firms to participate in our design efforts while serving the City of Fort Lauderdale.





SAMPLE INSURANCE CERTIFICATE

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DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required) Professional Liability coverage is written on a claims-made and reported basis.										
CEF	TIFICATE HOLDER				CANCELLATION					
For Proposal Purposes					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					
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ACORD 25 (2009/09) 1 of 1 The ACORD name and logo are registered marks of ACORD #S470538/M470533

AGB



NON-COLLUSION STATEMENT:

By signing this offer, the vendor/contractor certifies that this offer is made independently and free from collusion. Vendor shall disclose below any City of Fort Lauderdale, FL officer or employee, or any relative of any such officer or employee who is an officer or director of, or has a material interest in, the vendor's business, who is in a position to influence this procurement.

Any City of Fort Lauderdale, FL officer or employee who has any input into the writing of specifications or requirements, solicitation of offers, decision to award, evaluation of offers, or any other activity pertinent to this procurement is presumed, for purposes hereof, to be in a position to influence this procurement.

For purposes hereof, a person has a material interest if they directly or indirectly own more than 5 percent of the total assets or capital stock of any business entity, or if they otherwise stand to personally gain if the contract is awarded to this vendor.

In accordance with City of Fort Lauderdale, FL Policy and Standards Manual, 6.10.8.3,

- 3.3. City employees may not contract with the City through any corporation or business entity in which they or their immediate family members hold a controlling financial interest (e.g. ownership of five (5) percent or more).
- 3.4. Immediate family members (spouse, parents and children) are also prohibited from contracting with the City subject to the same general rules.

Failure of a vendor to disclose any relationship described herein shall be reason for debarment in accordance with the provisions of the City Procurement Code.

NAME	RELATIONSHIPS
	

In the event the vendor does not indicate any names, the City shall interpret this to mean that the vendor has indicated that no such relationships exist.