

ST. PETERSBURG PIER

REQUEST FOR QUALIFICATIONS

TABLE OF CONTENTS /

LETTER OF INTEREST	5
01. TEAM ORGANIZATION	9
02. DESIGN APPROACH	19
03. PROJECT EXAMPLES	35
04. TEAM EXPERIENCE	65
05. SF330, LICENSE & CERTIFICATIONS	85

September 5, 2014

1315 Peachtree Street, NE
Atlanta, GA 30309

t 404.873.2300
f 404.892.5823
perkinswill.com

Engineering & Capital Improvements Department
Seventh Floor, Attn: Bryan Eichler
Municipal Services Center
One Fourth Street North, St. Petersburg, Florida 33701

Re: St. Petersburg Pier - Design Team Selection – Request for Qualifications

Dear Members of the Selection Committee,

What an inspiring project! The Perkins+Will Team is excited by the opportunity to design and build an urban environment that will be a catalyst for St. Petersburg.

We believe the opportunity this project provides is more than just to create an architectural object – an icon - on the water. The new Pier is an armature that functions simultaneously as a recreational and observation area, an event space, an estuary, an environmental beacon, an economic generator, a destination, and more. The new Pier should be designed to enhance the lives of the residents of St. Petersburg and its visitors as well as serve as an invitation to the region, state, and beyond, celebrating the unique identity and aspirations of the City.

Also, the new Pier must be designed to acknowledge and facilitate the sensitive and complex marine environment that has contributed greatly to the culture of St. Petersburg. Our goal is not simply to comply with the permitting agencies - USACE, FDEP, SWFWMD, and PCWNCA. The project is an opportunity to work closely with local research institutions to set a precedent for coastal design that reacts to the dynamic conditions of the site while educating and delighting visitors.

Our approach to the design of the Pier will be an integrated one in order to provoke a deeper understanding of the City's relationship to its citizens, waterfront, and surrounding region. It is our firm belief and experience that iconic projects emerge from the rich layering of civic involvement, environmental concern, and regional identity.

The Perkins+Will Team is pleased to submit a uniquely qualified team, bringing relevant experience and knowledge to the programming, design, and construction process of the new Pier. The key team members have previously worked together to produce a number of successful, acclaimed projects all over the world. There are also members of our team who have experience working with the City of St. Petersburg on the pier and surrounding waterfront. And, we pair recognized local Tampa Bay area firms with national and international firms, giving the Perkins+Will Team a keen understanding of the challenges associated with a project of this scale and importance, while maintaining a strong tie to the local area and its unique opportunities.

We appreciate your time and efforts reviewing our statement of qualifications document. And, we look forward to the opportunity to continue the dialog with the Selection Committee and larger community in the Stage II: Design Concept Submission.

Sincerely,



Leonardo Alvarez, FASLA, AIA, LEED AP
Principal
(t) 404.443.7426 | (e) Leo.Alvarez@perkinswill.com
Perkins+Will

01.

DESIGN TEAM
ORGANIZATION

IDEAS + BUILDINGS + PEOPLE /

We believe that design has the power to positively transform people and the planet.



AREAS OF PRACTICE

Corporate + Commercial
Civic + Cultural
Healthcare
Higher Education
Hospitality + Residential
K-12 Education
Science + Technology
Sports + Recreation
Transportation

DISCIPLINES

Architecture
Branded Environments
Interiors
Landscape Architecture
Planning + Strategies
Urban Design

Curious, agile, and adaptable, we craft solutions that inspire our clients and their communities, create positive long-term environmental, economic, and social change, and set new paradigms for the future.

Since 1935, Perkins+Will has created innovative and award-winning designs for the world's most forward-thinking clients. We are architects, interior designers, urban designers, landscape architects, consultants, and branded environment experts who approach design from all scales and perspectives. Engaged, accessible, and collaborative, our staff of 1,500 professionals brings together high design, functional performance, and social responsibility to advance project goals. Inspired by the programs within, we design from the inside-out. We combine a deeply humanistic approach with results-driven pragmatism to create dynamic spaces for people. Research-focused and inventive, every day we reimagine how space can be used to foster

stronger ties between communities, the built environment, and nature. With nearly 1,000 LEED® Accredited Professionals, sustainable design and the use of healthy building materials are fundamental to our process. Our transformative designs help students learn better, patients heal faster, business teams perform stronger, and city dwellers have more meaningful daily experiences.



We practice broadly and learn deeply. Our world-class designers benefit from the collaborative project experience and knowledge of each area of practice, bringing an informed, thoughtful, and multidisciplinary approach to each project.

Corporate + Commercial + Civic

People are at the core of our Corporate, Commercial, and Civic + Cultural practice — our award-winning designs improve quality of life by responding to individual and societal needs. We believe great designs come from strong building programs. Efficient, creative, and highly sustainable, the spaces we design reflect the identity and needs of its community and become catalysts for change. Our buildings become an integral part of their larger social, cultural, environmental, and global context.

Corporate Interiors

We believe in the power of workplace design to unlock the positive potential of the workforce. Across every office and expertise, our goal is to create this kind of positive change for our clients' teams, businesses, and brands — and our society for generations to come. Creative and environmentally progressive, our solutions create a lasting impact, significantly enhancing the success of an organization's culture, relationships, attitude, and bottom line.

Hospitality + Mixed-Use + Residential

Our designs for hotels, mixed-use and residential developments, are driven by our commitment to brand identity, guest experience, and our client's project goals. We tailor our design solutions to each client's particular operations and objectives. Respectful of personal and community needs, our designs bring a sense of identity, comfort, and joy to the art of living.

Healthcare

As planners and designers of health-care facilities, we bring together innovative technology and treatment models, layers of sophisticated operational process and great compassion to create powerful and advanced health-care buildings. From master plans and freestanding buildings to renovations, the breadth and quality of our diverse portfolio have consistently placed Perkins+Will among the leading health-care firms in the world.



Higher Education

Innovative learning environments have been the cornerstone of our practice since the firm was founded. We create spaces that help define an institution, support its mission and enhance student, staff, faculty and community life. We design next generation learning spaces that inspire and motivate as they educate.

K-12 Education

Successful educational environments depend on the connections between students, educators, parents, educational institutions and the communities they serve. We have helped shape the way the world educates its children. From renovations and expansions to new schools or district-wide master plans, our dynamic and technologically-advanced learning environments inspire curiosity, encourage free play, and foster learning through a shared sense of connection and community.

Science + Technology

Our practice creates research campuses, laboratory environments and technical spaces that support the strongest possible models for research and production. Partnering with our clients, we solve the functional challenges of planning and programming to design change-responsive research and development facilities that inspire innovation, accelerate discovery, enhance energy performance and exceed regulatory requirements.

Sports + Recreation

We create exceptional facilities that transform society by supporting and enhancing the pursuit of wellness. Our user-oriented designs support mission and vision, celebrate the dynamic potential of the program within spaces, and are specifically responsive to their sites. Driven to create environments that are enduring and inspiring for today's and tomorrow's user, we anticipate and understand "next generation" lifestyle trends and the trends impacting the future of athletics and recreation.

Transportation

Well-planned, designed, and integrated transportation solutions have the power to change the trajectory of a community. They encourage vibrant, walkable neighborhoods, strengthen social fabric, promote a healthier environment, and foster a resilient, interconnected economy by efficiently connecting people, ideas, and services. Through an iterative and collaborative design process, we incorporate sustainable transportation planning into a wide range of project types — from large-scale urban design for cities and communities to station-area planning to transportation facility-specific architecture.

DISCIPLINES /



We are architects, interior designers, urban designers, landscape architects, consultants, and branded environment experts who approach design from all scales and perspectives.

Architecture

Our designs begin with you — our client's vision is the starting point for all of our buildings. We design from the inside-out, focusing on people and experiences. We work with our clients to understand their mission, culture and aspirations. We incorporate these insights into existing site issues, community and context in order to create inspiring places that are efficient, flexible, healthy and sustainable. Through the thoughtful blending of design, program, and place, we create buildings that respect the past, are rooted in the present, and guide us toward the future.

Interiors

We recognize the importance of environment in the overall success of an organization's culture, relationships, attitude, and bottom line. Our interdisciplinary team of talented designers draws heavily on front-end research as well as our global knowledge base to deliver solutions in support of our clients' unique business drivers and

project metrics. We blend research, planning, and programming seamlessly to create award-winning spaces that not only promote strategic business objectives but also nurture people and the environment. We impact the daily lives of the corporate specialist, medical technician, patient, student and executive by creating functional, flexible, future-focused spaces.

Branded Environments

If a brand is the message, the experience is the medium. Our Branded Environments practice is a research-based strategy and creative discipline internationally recognized for leveraging design as an asset to our clients. We identify your unique "DNA" and integrate it into rich two- and three-dimensional experiences that communicate your mission, help you reach your business and marketing goals, and captivate your audience.



Planning + Strategies

Our team delivers innovative solutions that support and manage change. We are thoughtful listeners and agile facilitators. We identify, foster, and direct the unique and dynamic relationships found within each business towards broader organizational aspirations. Our work enables our clients to clearly identify their goals, evaluate a range of options, make informed strategic decisions, and envision a sustainable plan for the future.

Preservation + Reuse

When we choose to preserve or reuse rather than build new, we capture and repurpose the embodied energy in existing buildings, minimizing waste and saving resources. As designers, we strive for balance in the visual juxtaposition of old and new. We do not mimic the old or overwhelm it with our intervention. Our revived buildings and neighborhoods feel fresh, inviting, green, and dynamic. As global experts in this specialized practice and leaders in sustainable design, we are at the forefront of innovation.

Urban Design

We are dedicated to building environments that are great for people. As an international leader in urban design, our multi-disciplinary team of experts weaves together landscape, transportation systems, infrastructure, and architecture to create the frameworks for vibrant, sustainable urban life. Our designs support the well-being of inhabitants, the strengthening of community, and the increasing of civic engagement. Our urban design solutions generate long-term economic, social and environmental value for both private and public clients and communities.

Landscape Architecture

Our discipline is deeply ingrained across a broad range of project types and scales, from intimate healing gardens to large-scale campuses. We believe the character and texture of the landscape profoundly influences both built structures and quality of life, forming the foundation for livable communities, iconic sites, and sustainable

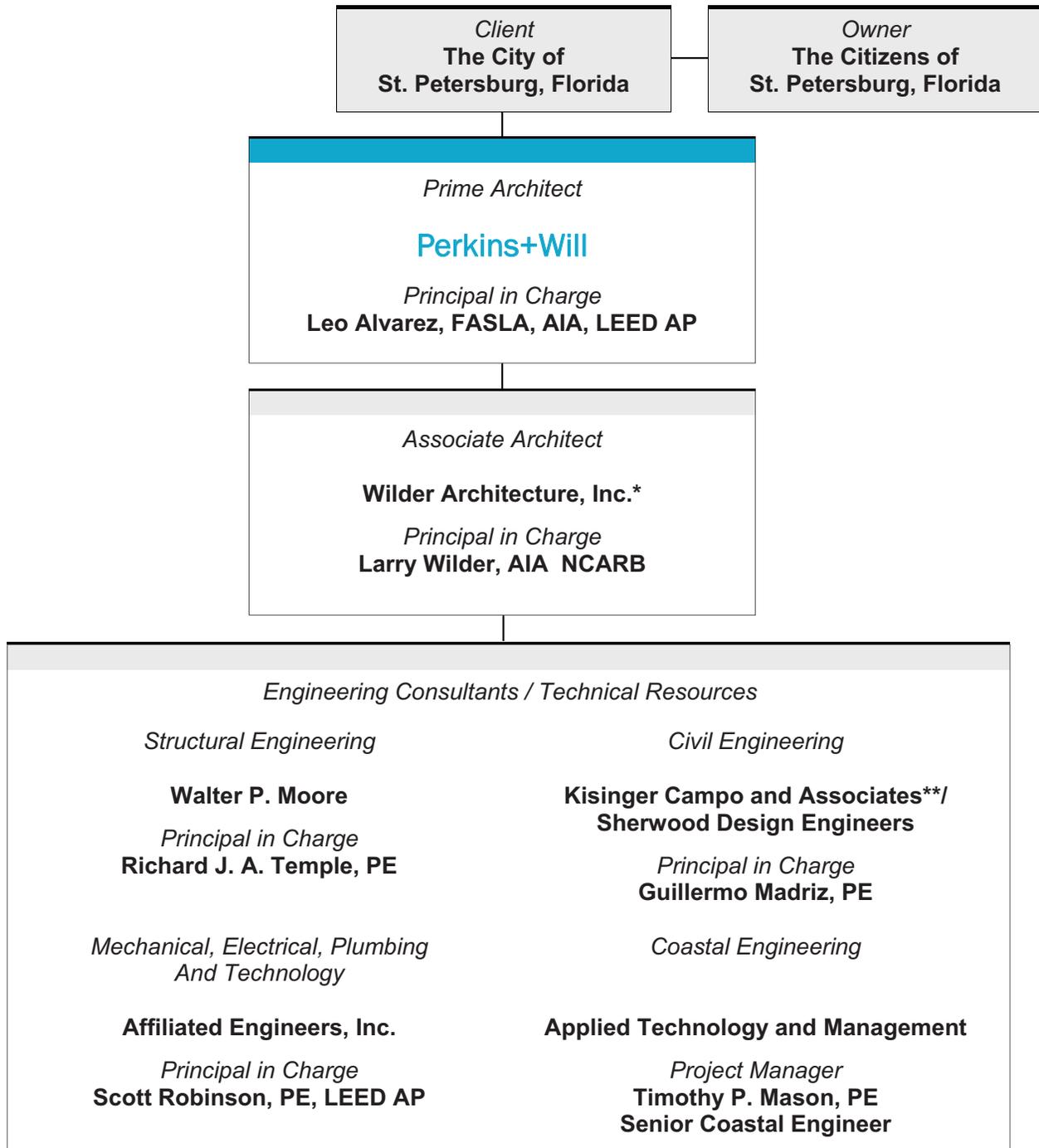
infrastructure. As an interdisciplinary practice enriched by the firm's broad expertise in Urban Design, Architecture and Planning, we bring a holistic approach that seeks to transform space into a place.

01. TEAM INFORMATION /

Team Organization Chart

As a firm with an unparalleled ethic of client service, Perkins+Will builds each project team through a careful evaluation of national expertise and local excellence. This practice ensures that the selected Perkins+Will team is well-versed in highly efficient and effective collaboration. We will deliver service that exceeds your goals for economy, performance, flexibility and operational efficiency.

The design team assembled for this project is an integrated, cross-disciplinary team with extensive local experience as well as national and international expertise in urban design and landscape architecture. They have worked collaboratively with similar clients and communities on past projects and will continue with the highest level of commitment moving forward. The core design team is as follows:



*Wilder Architecture, Inc. is an SBE, certified through the Tampa Port Authority and the City of Tampa

**Kisinger Campo & Associates is State Certified DBE

If shortlisted for Stage II, our team will expand to include an Economic Impact Consultant and a Public Relations firm.

02.

DESIGN
APPROACH

IDEAS + BUILDINGS + PEOPLE

We believe that design has the power to positively transform people and the planet. Curious, agile, and adaptable, we craft solutions that inspire our clients and their communities, create positive long-term environmental, economic, and social change, and set new paradigms for the future.

IDEAS + BUILDINGS + PEOPLE

Core Vision:

Reestablish the Pier as an iconic element of St. Petersburg - renewing the structure, experiences, environment, and identity of the Pier and its City.

IDEAS + BUILDINGS + PEOPLE

Design Intent:

Celebrate St. Petersburg's unique identity and character in the regional context of Tampa Bay.

Replace the existing pier. Devote our creative vision to enhancing its structure, experience, environment, and identity.

Include the uplands and Spa Beach within the scope of the project, providing a literal and symbolic connection to the City and adjacent cultural and park facilities.

IDEAS + BUILDINGS + PEOPLE

Architectural and Urban Design Opportunities: Renew the icon of the St. Petersburg Pier – a Signature of the City - an Invitation to the region, state, and beyond to visit and explore the City.

Envision the Pier as an armature for locating, expanding, and enhancing programmatic experiences such as fishing, observation, running, biking, dining.

Integrate the Pier into fabric of the City. Create outdoor Art opportunities integrating the Pier into the surrounding cultural destinations.

The Pier is a Beacon, a Destination, an Experience; a microcosm of St. Petersburg.



STAGE I - STATEMENT OF QUALIFICATIONS

DESIGN APPROACH: Approach to Architecture

EXCITING

As a community, there are few words that can describe the prospect of commissioning the programming, design, and construction of a major civic project like the new St. Petersburg Pier. We see the role of The Perkins+Will Team not only as providing an inspired, timeless, contextual design for the new Pier, but also guiding the client and community through the programming and design, step by step, in an accessible, transparent, logical, and convergent process.

ARCHITECTURE IS A VERB

The Perkins+Will Team believes 'Architecture is a verb', not a noun. For our team, Architecture is the process of inspired thinking, problem solving, and practical decision-making taken with the client, community, and Construction Manager that results in the finished product; an iconic new Pier for the City of St. Petersburg.

WE LISTEN

Your hopes, goals, and needs for the project are very unique. It is our job to take your concerns and efforts seriously, make them our own, and translate your intentions into a project that is a synthesis of the practical, the possible, and the timeless. The Perkins+Will Team strives to integrate the community's needs and feelings into a complete architectural statement that responds to and enhances its context and environment.



ACCESS

The Perkins+Will Team believes the client and community are an integral part of the Programming and Design process. Through Work Shops, comprehensive phase submittals, file-sharing, Monthly Status Reports and a consistent point of contact, the client is immersed in the entire design process with the opportunity to guide and contribute to the success of the project throughout the entire trajectory of the project from beginning to end.

CONTINUITY

Continuity is a key component to our approach to the project. Project team members assigned to the project stay with the project from beginning (Programming and Conceptual Design) to end of construction (Warranty Period). The role of the Project Manager as a hub of communication for the team is an important one and is unchanged throughout the course of the project from Programming to Final Completion of the project.

IDEA BASED, SERVICE ORIENTED

Architecture that meets a client's needs deals with the 'Nuts and Bolts' of a project. Architecture that exceeds a community's expectations finds the "Heart and Soul" of the project while paying attention to the way a project is constructed, used, and maintained through its life. We are confident the Perkins+Will Team will exceed your expectations for design and service and be an integral, guiding member of the collaborative between the design team, the City of St. Petersburg, the Construction Manager, and the community.

STAGE II – DESIGN CONCEPT

APPROACH TO THE PROJECT:

Programming the Facility

PROGRAMMING – A Place for Everything and Everything in its Place

Programming guides the project from beginning to end. With the client's and community's involvement, the Design team develops and verifies a proposed project program for the entire project. The Program includes all required spaces, amenities, and all related support spaces, including their justifications. All programmatic requirements are thoroughly investigated and documented so that all support infrastructure and critical adjacencies are known at the start of the schematic design phase. Included in the Programming phase will be visits to all relevant facilities and other similar sites as required.

WORKSHOPS – A Convergent approach

The Design Team utilizes a convergent approach that satisfies the unique aspects of the project, discovering the needs of the facility. During Programming, the Perkins+Will Team will conduct Work Shop Interviews with the community, as well as study the current volume of information gathered by the Pier Working Group. The goal is to be fully cognizant of the needs and desires of the ultimate end-users of the new Pier – the residents and visitors of St. Petersburg – to develop an accurate scope of work. Having a thorough understanding of the project is an essential part, the first step, of effective problem solving.

THE PROGRAMMING REPORT – The Compass of the Project

The end product of Programming is the Programming Report. The report serves as the compass for the project team, providing orientation for the efforts and coordination of the Design Team. The Program Report becomes the basis for design and sets the criteria for both quantity and quality of spaces, spatial relationships and adjacencies, and functional expectations of the completed design. The Program also serves as the tool to develop a Model Budget, providing a fiscal guide and budget goal for the project. The Programming Report contains:

A Statement of Intent capturing the Owner's hopes and inspiration for the Project.

- A comprehensive Schedule of Spaces.
- Relationship Diagrams of building spaces, functions, and amenities.
- Systems Narratives for the Buildings, Infrastructure, Materials, and Transportation
- A Model Budget for the scope presented and confirmed independently by the CM.
- A Detailed Project Schedule through the end of Construction with Phasing Diagrams
- Building code review and permitting review

SCHEMATIC DESIGN PHASE – Define the Big Idea

If “genius is 1% Inspiration and 99% Perspiration” as Thomas Edison said, Schematic Design is the phase for Inspiration. At the completion of the Design Concept Submission Stage, the Design Team will present to the City of St. Petersburg and its citizens an inspired, workable, cost-effective preliminary concept and design for review and approval.

The objective of schematic design is to generate creative concepts and ideas that address the program. The refinement of the design comes together in the final version of in-house exercises where we will develop the final conceptual sketches that will include plans, sections, elevations, and perspectives. The Team will develop a written narrative and program, as well as address implementation issues which include the cost estimate and project schedule. The Design Team recognizes that we have two audiences: The City of St. Petersburg and its citizens, and the Construction Manager, who is tasked with reviewing the concept for constructability and conformance with the established budget.

The Design Concept Submittal will include:

- Site Development Plans
- Plans, Elevations, and Sections
- Colored Renderings
- Description of permit compliance with Federal, SWFWMD, and Pinellas County



POST SELECTION

APPROACH TO THE PROJECT:

From Inspiration to Precision

PROJECT MANAGEMENT – The Framework for the Big Idea

The Perkins+Will Team will conduct Workshops at the beginning of every phase and deliverable package. Design Phase Workshops allow the entire design team to discuss the time lines and required deliverables for the current phase. All design professionals will attend these meetings. During the course of the project regular team meetings will be held to assign tasks and check the progress of each discipline.

As standard practice, we distribute to all team members a Planning and Design Status Report every month. Status Reports document needs, identify responsibilities and requirements to maintain the schedule and budget. Monthly Status Reports prove to enhance and encourage coordination between disciplines.

As the project progresses, the schedule will be updated and expanded to include all task milestone dates. This schedule is distributed to all design team members with the monthly project status report with specific instruction for maintaining the schedule. During the design phases, the Perkins+Will Team meets with major consultants frequently to assign tasks, check progress and monitor the schedule.

DESIGN DEVELOPMENT PHASE - Develop the Big Idea

Based on the selected Stage II Design Concept, the Design Team shall prepare Design Development documents consisting of drawings and other documents to fix and describe the size and character of the Project as to architecture, urban design, structural, mechanical, electrical and audio-visual systems, materials and such other elements as may be appropriate.

During the Design Development phase of the project, the following steps will be taken by the Design Team in order to assure timely completion and cost control of the project:

- Design refinement to fully explore the Schematic Design Concept.
- Interpretive messaging, themes, tools and content development.
- Preparation of 100% Design Development drawings and specifications.
- Review of Construction Logistics with Construction Manager.
- Constructability analysis.
- Frequent cost to value analyses and Life Cycle Cost Analysis.
- Conduct complete code analysis to verify feasibility
- Refine computer modeling for Renderings, Walk-throughs, and Coordination.
- Review Construction time control through Critical Path Method scheduling.
- Development of a Cost Estimate and refinement of the Schedule.
- Continue to engage the community in workshops to update progress



SERGEANT PAUL SMITH MIDDLE SCHOOL, WILDERARCHITECTURE, INC.

CONSTRUCTION DOCUMENTS PHASE – Define the Scope Precisely

Upon approval of the 100% Design Development Document submittal, the Design Team develops a complete, coordinated set of Construction Documents to document and detail all aspects of all work in the contract. Comments from the client, community, and Construction Manager's review of the 100% Design Development are incorporated into the Construction Documents at the 50% CD submission. A 50%, 95%, and 100% progress set of Documents are submitted to the Owner and Construction Manager. At each CD submittal adherence to the Programming Report is demonstrated.

Clear, Coordinated, and Concise is the standard for all Construction Documents that the Perkins+Will Team produces. A bound, integrated Project Manual including specifications in accordance with CSI format for all disciplines included in the project, coordinated with and inclusive of all bidding requirements, contract forms and contract conditions or approved alternate documents is developed to compliment the drawings in the complete set of 100% Construction Documents.

All documents are produced with the latest Building Information Modeling (BIM) software to produce a real-time, coordinated model of the project. A BIM manual for the project will be developed to ensure compatibility and consistency across all disciplines and to ensure the ability to do quality control checks in multiple platforms. BIM is used from project

inception to project delivery, and through construction to manage the process of building the project and keep track of as-built conditions.

In addition to developing the documents, the Design Team assists in the application of all temporary and permanent permits to perform work necessary to construct and operate all elements of the project, including building, utilities, general and special construction and others as required and necessary. This includes working early and pro-actively with all code officials and permitting agencies to develop supplemental drawings, site plans and elevations, to initiate the necessary approval processes.

The Perkins+Will Team attends and participates in public meetings as necessary for implementation of the project, consults with local utilities and coordinates delivery or extension of any additional or modified utility service as necessary to construct and operate all aspects of the project and that satisfy design intent implied within the Construction Documents.

CONSTRUCTION PHASE

The Design Team will provide local, full-service Construction Administration of the Contract. The Design Team will provide on-site visits at pre-scheduled times to verify that the construction conforms to the Construction Documents. The Design Team will work closely with the Construction Manager to ensure that the built project exemplifies the quality and character of the design, and exhibits outstanding performance.



WORLD TRADE CENTER MEMORIAL, **WILDERARCHITECTURE, INC.**

03.

PROJECT
EXAMPLES

VANCOUVER BOARD OF PARKS AND RECREATION VANDUSEN BOTANICAL GARDEN VISITOR CENTRE



LOCATION Vancouver, BC

COMPLETION DATE August 2011

CONSTRUCTION COST

Project Budget: \$21.9 million CAD

Construction Budget: \$14.4 million CAD

SIZE 1,810 SM (19,483 SF)

SUSTAINABILITY TARGETS:

Living Building Challenge

LEED® New Construction v 1.0

Platinum Certified

AWARDS

2013, Metal Architecture Design Award,
Metal Roofing Category

2013, Wood WORKS! BC Wood Design
Awards, Wood Innovation Award

2013, Globe Award for Excellence in Urban
Sustainability, Finalist

2012, World Architecture News (WAN)
Engineering Awards, Winner

2012, Lieutenant-Governor of British
Columbia Merit Recipient

2012, Lieutenant Governor's Award For
Engineering Excellence, ACEC-BC

Reflecting the City of Vancouver's initiative to be the "Greenest City in the World" by 2020, the VanDusen Botanical Garden's new Visitor Centre is a public expression of sustainability in Vancouver.

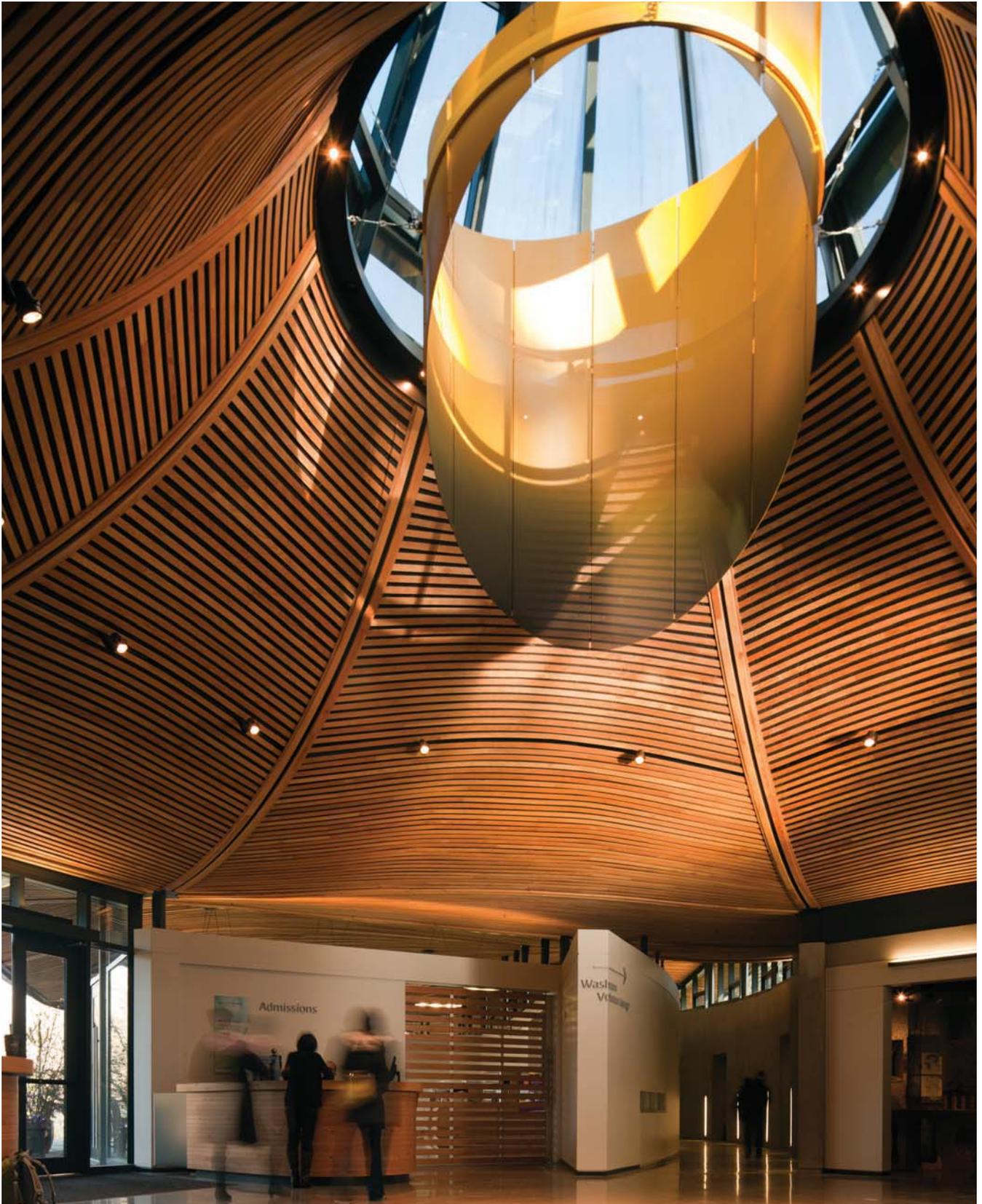
In 2007, Perkins+Will was commissioned to create a signature, green facility that would increase the VanDusen Botanical Garden's visitorship and enhance its international stature. Designed to be one with nature, the Visitor Centre creates a harmonious balance between architecture and landscape—from both a visual and an ecological perspective. Inspired by the organic forms and natural systems of a native orchid, the project is organized into undulating green roof 'petals' that float above rammed earth and concrete walls. These petals and stems are connected by a vegetated land ramp that links the roof to the ground plane, encouraging use by local fauna. The building houses a café, an expanded library, volunteer facilities,

a garden shop, office space and flexible classroom spaces for meetings, lectures, workshops and private functions.

In addition to LEED Platinum certification, the Visitor Centre is pursuing the Living Building Challenge—the most stringent measurement of sustainability in the built environment. The Visitor Centre uses on-site, renewable sources—geothermal boreholes, solar photovoltaics, solar hot water tubes—to achieve net-zero energy on an annual basis. Wood is the primary building material, sequestering enough carbon to achieve carbon neutrality. Rainwater is filtered and used for the building's greywater requirements; 100% of blackwater is treated by an on-site bioreactor and released into a new feature percolation field and garden. Natural ventilation is assisted by a solar chimney, composed of an operable glazed oculus and an aluminum heatsink, which converts the sun's rays to convection energy. Summer sun shines on darker surfaces to enhance ventilation further. Located in the centre of the atrium, and exactly at the centre of all the building's various radiating geometry, the solar chimney highlights the role of sustainability by form and function.

perkinswill.com

VANDUSEN BOTANICAL GARDEN VISITOR CENTRE /



VANDUSEN BOTANICAL GARDEN VISITOR CENTRE /



PROJECT DETAILS

PROJECT VanDusen Botanical Garden Visitor Centre
LOCATION 5151 Oak Street, Vancouver, BC
CLIENT Vancouver Parks Board
DESIGN 2007 - 2008
CONSTRUCTION 2009 - 2011

TECHNICAL DETAILS

SIZE Building Area: 19,483 SF (1,810 SM)
 Project Area: 17,000 SM (183,000 SF)

CONSTRUCTION COST

Project Budget: \$21.9 million CAD
 Construction Budget: \$14.4 million CAD

DESIGN TEAM

Perkins+Will (formerly Busby Perkins+Will):
 Principal Design Team: Peter Busby; Paul Cowcher; Robin Glover; Harley Grusko; Jim Huffman; Penny Martyn; Supporting Team: Chessa Adsit-Morris; Aneta Chmiel; Robert Drew; Benjamin Engle-Folchert; Jacqueline Ho; Rebecca Holt; Ellen Lee; Matthieu Lema; Joanna Peacock; Max Richter; Sören Schou; Kathy Wardle

CONSULTANTS

General Contractor: Ledcor Construction
Structural Engineer: Fast + Epp
Mechanical Engineer: Integral Group (Cobalt Engineering)

Electrical Engineer: Integral Group (Cobalt Engineering)
Civil Engineer: R.F. Binnie & Associate
Code Consultant: B.R. Thorson Ltd.
Cost Consultant: BTY Group
Envelope Consultant: Morrison Hershfield
Landscape Architect: Sharp & Diamond Landscape Architecture Inc. with Cornelia Hahn Oberlander
Lighting Design: Total Lighting Solutions
Ecology Consultant: Raincoast Applied Ecology
Acoustical Consultant: BKL Consultants
Commissioning Agent: KD Engineering
Commissioning Authority: KD Engineering Co.

VANDUSEN BOTANICAL GARDEN VISITOR CENTRE /



ENVIRONMENTAL CONSIDERATIONS

The VanDusen Botanical Garden Visitor Centre is targeting the International Living Future Institute’s Living Building Challenge, the most advanced measure of sustainability in the built environment possible today.

Sustainable Site

- The building was sited to preserve rare trees, shrubs and other plants in the garden.
- The Centre reverses the trend of land degradation and invites nature’s functions into a healthier interface with built and natural systems.
- The surrounding native plant landscape, including the green roof, features bilingual English-Musqueam plant labels and is perfectly adapted to the local climate.

Water Efficiency

- Building and landscape water use comes from captured precipitation, where permitted by building code.
- Blackwater and greywater is treated on site—for the first time in a building in Vancouver in over 45 years.

Energy and Atmosphere

- The building is designed to be net-zero energy on an annual basis.
- Solar hot water tubes (176,000 kWh), PV panels (11,000 kWh) and a geo-exchange system are employed in the energy strategy.

Materials and Resources

- Materials used throughout the Centre have been rigorously researched and documented for material health at all levels of their life cycle.

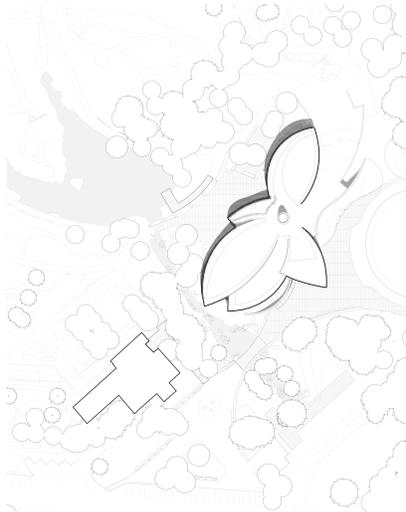
Indoor Environmental Quality

- The design focuses on the major conditions that must be present for a healthy interior environment to occur.

Beauty and Inspiration

- This project contains design features intended solely for human delight and the celebration of culture, spirit and place appropriate to the function of the building

VANDUSEN BOTANICAL GARDEN VISITOR CENTRE /



CONTEXT Located at Oak and 37th Street, VanDusen is less than 5 km from downtown Vancouver and is looking to draw visitors from an increased street presence.

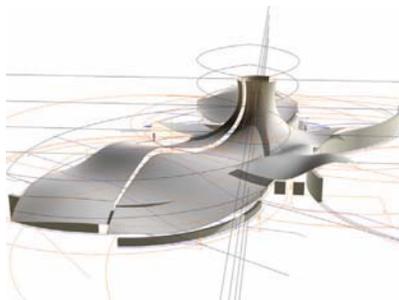
PROGRAM The 1,765 SM facility houses a cafe, an expanded library and volunteer facilities, a new garden shop, administration and flexible classroom space.



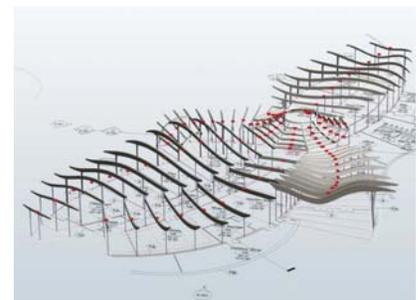
Only MATERIALS that efficiently utilize resources are used in the project.



An operable GLAZED OCULUS with a solar heat sink allows for passive ventilation.



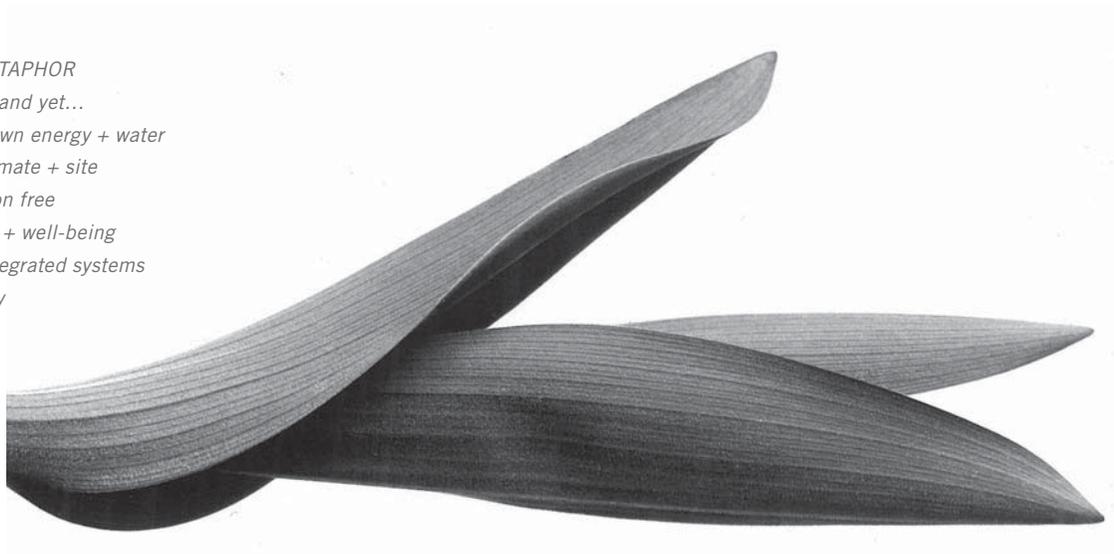
RHINO SOFTWARE was used to design and 3D model the undulating roof forms.



The complex petal ROOF STRUCTURE utilizes a glulam post-and-beam assembly.

FLOWER AS METAPHOR

*Rooted in place and yet...
harvests all its own energy + water
is adapted to climate + site
operates pollution free
promotes health + well-being
comprised of integrated systems
embodies beauty*



INNOVATION The VanDusen Botanical Garden Visitor Centre is tailored to its stunning natural context, creating a harmonious balance between built and natural landscapes and demonstrating the positive co-evolution of natural and human systems.

The petal-shaped green roofs contain native planting that encourages use by local fauna, butterfly meadows and rainwater collection areas. An extensive water management system includes rainwater, stormwater and blackwater strategies.

GULF ATLANTIC REAL ESTATE COMPANIES SIGNATURE PLACE MIXED-USE DEVELOPMENT



The redevelopment of this entire city block adds a striking new addition to the St. Petersburg skyline.

LOCATION St. Petersburg, Florida
COMPLETION DATE June 2009
CONSTRUCTION COST \$120 million
SIZE 884,500 square feet

AWARDS

2012, Merit Award for Design, AIA Tampa Bay Chapter
2012, Excellence in Design, AIA Miami Chapter

Located in the heart of St. Petersburg, Florida, Signature Place was developed from a shared vision between Perkins+Will and Gulf Atlantic Real Estate Companies. The triangular building soars 372 feet high with its rippling glass façade reflecting the waves below. The shimmering tower with its sky garden redefines the St. Petersburg’s skyline with compelling level of design and architecture.

Located in St. Petersburg’s busy downtown area, the street-level urban plaza will offer residents, workers and the public a park-like oasis to relax and refresh. Also, within the building, lush sky gardens surrounding an

infinity pool will showcase an 80-foot cascading waterfall.

The project’s main feature, the 36-story residential tower, will be located at the southeastern corner of the property. The location allows all of the residential units to have open breathtaking views to the water. A series of unique penthouse units will compose the top three levels with an average size of 3,000 to 4,000 square feet. The structure will additionally house 37,000 square feet of office space, a 37,000-square-foot recreational deck and an 11,000-square-foot amenities floor.

SHANGHAI ORIENTAL FISHERMAN'S WHARF DEVELOPMENT COMPANY ORIENTAL FISHERMAN'S WHARF



Designed as an architectural showpiece for Shanghai, the buildings herald the long history of the fishing industry in China.

LOCATION Shanghai, China
COMPLETION DATE 2014
CONSTRUCTION COST Confidential
SIZE 200,000 square meters / 2 million square feet

The Perkins+Will-designed Oriental Fisherman's Wharf project borders the HuangPu River in the Yangpu district of Shanghai and revitalizes a long disused industrial riverfront converting the site into a multi-use, people-friendly urban plaza, park, and retail and commercial development hub. The project is designed to connect the people of Shanghai, and the neighboring residential areas, to the previously walled-off waterfront and revitalize the existing commercial streets. The retail and commercial buildings include a 35-story hotel and high-end residential tower, a seven-story maritime themed retail destination, a smaller, four-story retail market, as well as a renovation of an existing waterfront

warehouse. Below-grade infrastructure development includes three levels of retail promenade and parking area. A large public park and urban plaza is placed atop the new three-story parking and retail plinth.

Overall, the project is a catalyst for redevelopment of this formerly industrial district. Perkins+Will provided architectural services for the Master Plan design for the extended neighborhood development, and for the Phase - 1 Parcel from concept design through design development.

ORIENTAL FISHERMAN'S WHARF /



ORIENTAL FISHERMAN'S WHARF /



Phase I Construction Photos

VANCITY ENTERPRISES DOCKSIDE GREEN MASTER PLAN



LOCATION Victoria, BC
COMPLETION DATE 2000
CONSTRUCTION COST \$300 million CAD
SIZE 6 hectares (14.9 acres)
LEED® Neighbourhood Development Pilot
 Platinum Certified

AWARDS

2009, Architectural Institute of British Columbia Special Jury Award
 2009, AIA Committee on the Environment (COTE), Top Ten Green Projects
 2009, Royal Architectural Institute of Canada, Green Building Award of Excellence
 2008, GLOBE Awards for Environmental Excellence in Urban Sustainability
 2007, BC Hydro Power Smart Award, Innovation in Sustainable Design
 2006, Smart Growth BC, Process Award
 2006, Royal Architectural Institute of Canada, Urban Design Merit Award, Approved or Adopted Urban Design Plan
 2005, Canadian Architect, Award of Excellence
 2005, Canadian Urban Institute Brownie Award, Best Overall Project
 2005, Canadian Urban Institute Brownie Award, Green Design and Technology
 2005, Planning Institute of BC, Innovation in Site Planning and Design Award

Perkins+Will creates an innovative mixed-use master plan that reclaims 15 acres of former industrial land and redevelops it as a global showcase for sustainable community development.

Dockside Green, the largest development in Victoria’s history, involves the reclamation and redevelopment of 15 acres of formerly industrial waterfront property. The project includes 121,000 SM of commercial, residential, live/work, work/live and light-industrial uses. With a LEED Platinum target for each building on site, the project is a global showcase for large-scale integrated sustainable development. In 2009, Dockside was awarded LEED for Neighbourhood Development Platinum, making it one of a handful of projects worldwide that have received this certification.

Perkins+Will’s master plan focuses on the creation of jobs and economic opportunity, while promoting environmental responsibility and healthy, vigorous and dynamic urban living. Physical structures follow new urbanism devel-

public open space, innovative design features, and other key amenities are included to enhance the livability of the development. The site is oriented around a greenway running parallel to the coast, with a village plaza providing a focal point at the western edge of the development. Mixed-use residential towers to the west will reach up to 10 storeys, while the majority of development will be between three and seven storeys tall. Waste resulting from one use will provide nutrients for other uses. Holistic, closed-loop thinking and design will improve and compound the economic, environmental and livability benefits for all occupants.

The Perkins+Will-led team consisted of leaders in their respective disciplines of architecture, engineering, ecology, and stormwater and sustainable management, among others. Our holistic approach to the planning and design included clients, stakeholder groups, the City of Victoria, and development and financial teams intimately throughout the process. The integrated efforts of all involved resulted in a successful plan for a visionary community. Following the completion of the master plan, Perkins+Will designed and delivered the first three phases of development, each earning LEED-NC Platinum certification.

DOCKSIDE GREEN MASTER PLAN /



DOCKSIDE GREEN MASTER PLAN /



PROJECT DETAILS

PROJECT Dockside Green
LOCATION Victoria, BC
CLIENT Windmill Development Group, VanCity Enterprises
DESIGN 2004 - 2005 (Master Plan)
CONSTRUCTION 2006 - ongoing
CONSTRUCTION COST \$300 million CAD

PROJECT TEAM

Perkins+Will (formerly Busby Perkins+Will): P. Busby, L. Chester, J. Huffman, D. Kitazaki, J. Skinner, A. Slawinski, B. Wakelin, B. McCarry (Vancouver office); A. Fawkes, C. Foyd, T. Williams, (Victoria office)

CONSULTANTS

Structural: Read Jones Christoffersen
Mechanical/Electrical: Keen Engineering

Civil Engineering: Komex International
Ecology/Stormwater Management: Aqua-Tex Scientific
Green Building: BuildGreen Consulting
Cost Consultant: Andy Payne
Landscape Architects: PWL Partnership

TECHNICAL DETAILS

Site Area: 14.9 acres (647,578 SF)
Total Building Area: 120,320 SM (1,295,149 SF)
Height: max 10 storeys
Parking: 1,417 stalls total for site
Hotel: 13,470 SM (145,000 SF)
Residential: 87,982 SM (947,056 SF)
Retail: 5119 SM (55102 SF)
High Tech Environmental: 5880 SM (63,293 SF)
Office: 7206 SM (77567 SF)
Seniors: 4,900 SM (52,745 SF)

AMENITIES

Sustainability Centre (4,645 SM); extensive park and pathway system; improvements to Galloping Goose Trail; on-site sewage treatment plant; waterfront walkway; small boat launch; pedestrian pier; shoreline enhancement and restoration; play area for children; bike racks; car-share program and mini-transit; historical, aboriginal and environmental signage.

DOCKSIDE GREEN MASTER PLAN /



ENVIRONMENTAL OBJECTIVES

Key sustainable objectives for the project include:

- Greenhouse gas neutral energy production for electricity and heat through biomass gasification and cogeneration
- 100% of sewage treated on site with treated water reuse
- LEED Platinum certification target for all buildings;
- 60-75% reduction of potable water use in all buildings;
- 11% integrated social housing with Broad City, community, and First Nations involvement and support

- Sustainability Centre to showcase local and Canadian green products
- Revitalization of an 14.9 acre brownfield site
- Integrated community energy system incorporating renewable fuel, sewage heat recovery and district heating
- Advanced building envelope construction
- Optimal use of passive solar heating
- High-efficiency lighting and appliances
- Advanced in-suite electric and water metering and control system
- 100% fresh air system to each suite with heat recovery

RESULTS

- 55% lower energy consumption than a community built to model energy code
- Total energy savings of 15 gigawatt hours per year forecast for the entire community
- Net-zero greenhouse gas emissions
- 60% less water consumption than conventional buildings

TREASURE ISLAND DEVELOPMENT CORPORATION DEVELOPMENT CONCEPT PLAN



LOCATION San Francisco, California

COMPLETION DATE 2009-2012

CONSTRUCTION COST N/A

SIZE

- 270,000 square feet retail
- 325,000 square feet adaptive reuse
- 135,000 square feet institutional
- 6,000 residential units
- 300–370 bedroom hotel
- 120 timeshare units

Our team is developing the detailed prototypes, test-fit analyses and design for development guidelines that will assure a development-ready plan to guide all site and building design on the island over the next 10-20 years. Within the development team this involves extensive prototype studies to assure that the yield of diverse housing units and commercial mixed use settings will meet or exceed both plan and market expectations.

This work involves a collaborative planning/urban design and architectural team, extensive client participation, and engaged public discussion.

On the drawing boards are a number of studies for the location and form of residential and hotel development including the potential to establish a dramatic and inviting new skyline for this landmark site in San Francisco Bay. Building forms that frame extensive public waterfront space, slim residential towers with 360 degree views to the Bay, and designs that concentrate densities around ferry/transit locations are the centerpiece of a sustainable strategy.

SHANGHAI NATURAL HISTORY MUSEUM

NATURAL HISTORY MUSEUM



Traditional Chinese garden design inspires the shape and site configuration of this museum.

LOCATION Shanghai, China
COMPLETION DATE 2014
SIZE 44,000 square meters

AWARDS

2010, Community Future Award, Dubai Cityscape
 2010, Highly Commended, Environmental Award, Dubai Cityscape

Perkins+Will provided full architectural and interior design services for the exterior enclosure and the public spaces for the new Shanghai Natural History Museum. The building was designed with deep respect for Chinese garden design. Through its relationship to the site, it represents the harmony of humanity and nature and is an abstraction of the basic elements of Chinese art and design.

The museum sits adjacent to an urban sculpture park. The shape and building organization are inspired by the nautilus shell: a spiraling landscaped plane rises out of the park recalling its harmonious forms and proportions. Within this spiraling plane is an oval courtyard which contains a traditional stepped garden composed of rock

formations and water features. This courtyard serves as an orientation device for the exhibition areas which spiral down below grade.

Perkins+Will designed the museum as a bioclimatic building that responds to the sun using an appropriately oriented intelligent building skin to maximize daylight and minimize solar gain. The pond in the oval courtyard will provide evaporative cooling while the temperature of the earth will provide heating and cooling by using a geothermal system. Rainwater will be collected from the vegetated roof and stored in the pond along with recycled grey water. All of the energy features of the museum will be part of exhibits which will explain the story of the museum.

SHANGHAI NATURAL HISTORY MUSEUM /



SHANGHAI NATURAL HISTORY MUSEUM /



Construction Photos

SHOFW DEVELOPMENT CO. LTD 东方渔人码头开发公司

ORIENTAL FISHERMAN'S WHARF MASTER PLAN

东方渔人码头总体规划



LOCATION Shanghai, China
COMPLETION DATE 2014
SIZE 181,778 square meters
TYPE Grade A Office/Residential/Retail

The Site is located in Yangpu District riverfront area; within the inner ring road, which is convenient for transportation. It's close to the new commercial area of the North Bund, 5 kilometers to Wu Jiao Chang city subcenter, 6 kilometers to the Little Lu Jia Zui Financial Zone; 8 kilometers to the Bund commercial area; 10 kilometers to the People Square. Yang Pu Bridge to its North and the Da Lian Road Tunnel to its South. There would be a metro line No. 5 running right next to it.

Our master planning approach to the total development of the site (i.e., Phase 1 and the two adjacent areas of development) is synergistic. While the immediate emphasis is on Phase 1, our planning process considers the total area, the surrounding neighborhoods, and the larger urban context. In our master plan, the composition, location, and relationship within the development are based on a number of functions including: office buildings, hotels, commercial and retail zones, plazas, etc. The location of each use reflects their relationships with other uses and the mutual benefits that can be derived from connections – or separations.

This is achieved through the thoughtful planning, organization, and use of the land; by creating an identity (e.g., icons - landmark buildings, memorable spaces, human spaces, and cohesive images) and by creating a balance between human activities, the water and the land.

HILLSBOROUGH HIGH SCHOOL



This sensitive historic renovation project required significant community outreach efforts in the greater Seminole Heights area.

WILDERARCHITECTURE, Inc. was commissioned to plan and design a significant \$18,920,000 renovation for the historically significant Hillsborough High School (1927 orig. const.). The facility is listed on the National Register of Historic Places. The project is one of the most significant buildings in Florida and the “Crown Jewel” of the Hillsborough County School District. The building is a major contributing historic structure and anchors the south end of the Seminole Heights Historic District. The renovation required significant community outreach efforts in conjunction with coordination among several governmental agencies.

LOCATION: Tampa, FL

BUDGET: \$18,920,000

COMPLETION: 2008

Original Construction 1927, Contributing Structure in the Local and National Seminole Heights Historic Districts

REFERENCE:

Cathy Valdes, Deputy Superintendent
School Board of Hillsborough County
cathy.valdes@sdhc.k12.fl.us

The project involved the total renovation of the facility, while the campus remained completely operational throughout the duration of the project. Building materials and Mechanical / Electrical Systems were selected to be both sensitive to the historic nature of the campus and to provide sustainable, energy efficient solutions.

The exterior rehabilitation required the design team to meet all local historic preservation guidelines, the Secretary of the Interior’s Standards for Rehabilitation, and receive a Certificate of Appropriateness issued by the City’s Historic Preservation Department. This project also required close coordination with, and approval from, the State Division of Historical Resources.

THOMPSON ELEMENTARY SCHOOL



Design of this school was completed utilizing Building Information Modeling (BIM) from the Programming Phase through Construction Administration.

LOCATION: Ruskin, FL

BUDGET: \$15,405,000

COMPLETION: 2014

REFERENCE:

Cathy Valdes, Deputy Superintendent
School Board of Hillsborough County
cathy.valdes@sdhc.k12.fl.us

Thompson Elementary School was recently built on a 14 acre parcel that was previously utilized for agricultural purposes. The new school is located adjacent to Lennard High School and a proposed County Park to the north. This site was selected for the ability to share existing infrastructure (chilled water / central plant), develop efficient traffic and parking plans, and most importantly, to conserve resources and community green space.

The modern campus design takes advantage of the Florida climate with open corridors, bridges, breezeways, and a solar umbrella. Taking an updated approach to the Florida finger plan school from the 50's and 60's, the classroom buildings are single loaded and with an east west axis taking advantage of daylighting with large north facing windows and shaded walkway covers on the south. The exterior, 2-story covered walkway system serves as a "main street" connecting all major classroom circulation components. Shading devices and garden areas encourage social interaction and learning outside of the traditional classroom.

The goal was to develop a strategy for the design of highly flexible campus building components capable of being repeated in a variety of configurations on rural or urban infill parcels while achieving LEED Silver certification - the first for Hillsborough County Public Schools. Additionally, design of this school was completed utilizing Building Information Modeling (BIM) from the Programming Phase through Construction Administration.

04.

BACKGROUND & EXPERIENCE

Design Architect Perkins+Will

Since 1935, Perkins+Will has created innovative and award-winning designs for the world's most forward-thinking clients. We are architects, interior designers, urban designers, landscape architects, consultants, and branded environment experts who approach design from all scales and perspectives. Engaged, accessible, and collaborative, our staff of 1,500 professionals brings together high design, functional performance, and social responsibility to advance project goals. Inspired by the programs within, we design from the inside-out. We combine a deeply humanistic approach with results driven pragmatism to create dynamic spaces for people. Research-focused and inventive, every day we re-imagine how space can be used to foster stronger ties between communities, the built environment, and nature. With nearly 1,000 LEED® Accredited Professionals, sustainable design and the use of healthy building materials are fundamental to our process. Our transformative designs help students learn better, patients heal faster, business teams perform stronger, and city dwellers have more meaningful daily experiences.

Associate Architect Wilder Architecture, Inc.

WILDERARCHITECTURE was founded in 2003 on the principle of providing the highest quality design services to clients. It is their belief that the result of quality service is true design excellence. Firm leaders strive to provide design solutions that are a unique synthesis of the practical, the possible and the timeless, responding to and enhancing the built environment.

The company is certified by the State of Florida as an Architectural Corporation and is certified as a **SLBE** (Small Local Business Enterprise, Certificate No. 222) through the City of Tampa and Hillsborough County Public Schools. The firm was recently honored with being named a Tampa Bay Business Journal, Business of the Year Finalist in 2009 and the 2010 Greater Tampa Bay Chamber of Commerce Small Business of the Year. Finally, they were recognized by our peers as the American Institute of Architects (Tampa Bay Chapter) Firm of the Year for 2009.

Structural Engineer Walter P. Moore

Walter P Moore and Associates, Inc. is a consulting engineering firm established in 1931, providing structural engineering, structural diagnostics, civil, traffic, transportation engineering, and parking consulting services to public and private sector clients.

As one of the leading specialty structural engineering firms in the United States, we provide a comprehensive set of structural engineering services from new building designs, to analysis of existing buildings, to third-party peer reviews.

Walter P Moore specializes in challenging structures, including long span roofs, three dimensional frames, very tall buildings, deep foundations, and buildings in high wind and seismic zones. Combining good technical engineering with a practical approach to construction, we create buildings that are economical and readily built.

Mechanical, Electrical Engineer Affiliated Engineers, Inc.

Affiliated Engineers, Inc. (AEI) is a technical consulting, design, and engineering firm providing innovative solutions for complex and large scale projects worldwide, supporting the excellence of a diverse clientele. Practicing since 1927 and formally incorporated into its present state in 1978, AEI is owned by 25 principals who develop and maintain client relationships and provide project leadership. Based in 12 offices throughout the U.S. and abroad, the firm's staff of 550 includes 170 LEED® Accredited Professionals.

AEI built their practice with equal commitments to technical expertise and market knowledge, within a culture of interdisciplinary discourse and critical idea exchange. Solutions in each market specialty are informed by expertise in many markets, just as a project in any given location benefits from experience in that project type around the world.

Coastal & Marina Engineer Applied Technology & Management

An international consulting firm with a focus on the southeast U.S., ATM has 30 years of experience providing environmental and marina planning and design services to public clients as well as multi-disciplinary planning and design teams throughout the world. ATM has worked with some of the finest planners, architects, hotel and development companies such as EDSA, Kerzner International, Four Seasons, Starwood Hotels and Resorts, Fairmont, Ritz-Carlton, Hyatt, Disney, Nakheel, Great White Shark, and many other global brands.

Staff includes Professional Engineers, Ecologists, Environmental Scientists, CAD and GIS Technicians, Modelers, Marina Specialists and a Professional Surveyor. All of ATM's service areas focus on engineering, market, environmental, and sustainability integration from the earliest part of the planning phases. The firm's experience in ecology, water resources, and coastal engineering provides valuable issue identification and solutions throughout project feasibility, planning, design, construction, and operations.

ATM has a full-service "waterfront team" with comprehensive experience in all phases of waterfront development. They use an integrated approach to waterfront development and redevelopment with proven success in the municipal arena. Their project methodology involves the combined and parallel analysis of market demand, economics, environmental considerations, community goals, engineering factors, and operational issues that drive the planning, design, and construction process. Project sites range from small, environmentally sensitive locations to urban, heavy-use, and congested facilities. Issues considered throughout our projects have been minimization of impacts to environmental features, optimization of operations, implementation of advanced industry standards in design and construction techniques, and specific attention to scheduling and cost controls.

Civil Engineer Kisinger Campo & Associates

Kisinger Campo & Associates, Corp. (KCA) was established in 1976 by Jack Campo and Joe LaRussa to provide civil engineering design services on land development projects. Within a year, former FDOT District I Structures and Facilities Engineer, Ed Burkett, joined the firm and KCA began broadening its services.

Since then, KCA has grown into a multi-discipline engineering firm with offices throughout the Southeastern United States. Our core services include design, inspection, site planning, and asset management consulting in the transportation, general civil engineering, and construction services markets. We are a mid-sized firm consistently ranked among the Top 500 Design Firms by Engineering News Record.

KCA strives to provide each client with innovative, cost effective solutions for projects of all sizes. Our experienced professionals give the smallest site design projects the same attention as they do complex \$100 million highway projects.

Civil Engineer/Water Resource Management Sherwood Design Engineers

Sherwood was established in order to provide a new generation of infrastructure services focused on both planning and implementation. Regulatory and economic viability form a foundation for our designs that are forged on a collaborative platform critically informed by users and the community context. The firm has implemented net-zero green building projects, district infrastructure, new street standards, and many sustainable civil projects throughout the world. Sherwood Design Engineers has worked on numerous award-winning projects and has seen its work published internationally.

LEONARDO ALVAREZ, FASLA, AIA, LEED AP®

Principal



Over the course of 30 years in professional practice, Leo has successfully realized a wide range of projects types including campus, urban, and regional master plans, transportation facilities, educational environments, healthcare facilities, and historic preservation efforts. Leo's portfolio of award-winning projects highlights his depth of versatility and vision, significantly in sustainable design and contributions to the public realm. In addition to his accomplishments in urban design, landscape architecture, and architecture, Leo's career in academia spans 17 years with Florida International University and the University of Georgia. At Perkins+Will, he brings his leadership and experience to the roles of Design Principal and the firm's Inaugural National Urban Design Discipline Leader.

EDUCATION

Master of Landscape Architecture, Harvard University Graduate School of Design, 1981

Bachelor of Science, Architectural Technology, Florida International University, 1979

Architecture Curriculum, University of Miami

REGISTRATIONS

Landscape Architect: Florida #926, Georgia, Pennsylvania, Virginia, Texas, Arkansas, Maryland, South Carolina, North Carolina

Architect: New York #17504 (inactive)

CLARB Certified #36713

PROFESSIONAL AFFILIATIONS

American Society of Landscape Architects, Fellow (FASLA)

American Institute of Architects (AIA)

LEED® Accredited Professional

RELEVANT EXPERIENCE

CORPORATE+CIVIC+COMMERCIAL

Hines Development

Mococa Beach

Caraguatubata, Brazil

Atlanta BeltLine, Inc.

Eastside Trail

Atlanta, Georgia

BMW Manufacturing, LLC.

BMW Plant 10 Central Office Master Plan

Spartanburg, South Carolina

Perkins+Will

1315 Peachtree Street

Atlanta, Georgia

Darden Restaurant Group

Corporate Campus

Orlando, Florida

Common Wealth of Puerto Rico

Puerto Rico Capitol District Master Plan

San Juan, Puerto Rico

Savannah Harbor, LLC

Hutchinson Island Master Plan

Savannah, Georgia

Caltrans

Gateway Park

Oakland, California

Gateway Development, LLC

Horizon District Master Plan

Charleston, South Carolina

Atlanta BeltLine, Inc.

BeltLine Corridor Design

Atlanta, Georgia

Atlanta BeltLine, Inc.

Atlanta BeltLine EIS

Atlanta, Georgia

Hippodromo Camarero

Master Plan

San Juan, Puerto Rico

Mayor of Panama City

Panama Entertainment District

Panama City, Panama

The King Abdullah Financial District

3 Mixed-use Towers Site Design

Riyadh, Saudi Arabia

Qatar Olympic Committee

Sailing + Rowing Facility Master Plan

Sumaisma, Qatar

Zac Brown

Camp Southern Ground

Fayetteville, Georgia

Gulf Atlantic Real Estate Companies

Signature Place

St. Petersburg, Florida

The Church of Jesus Christ of

Latter-day Saints

Philadelphia Pennsylvania Temple

Philadelphia, Pennsylvania

LEONARDO ALVAREZ /

Sany Heavy Industry Campus Master Plans Atlanta, Georgia	City of Miami* Miami Riverside Center Miami, Florida	Place Properties, LP* Mayo Island Master Plan Richmond, Virginia
Ning Xiang, China Nankou, China Changshu, China Huzhou, China Beijing, China	City of Dorado* Dorado 2025 Vision Plan Dorado, Puerto Rico	City of Miami Beach* North Shore Recreation Corridor Master Plan Miami Beach, Florida
Mecklenburg County/City of Charlotte Mecklenburg County Government Facilities Master Plan Charlotte, North Carolina	Bonnin Orozco Arquitectos* Mayagüez 2010 Master Plan Mayagüez, Puerto Rico	Southwest Escambia County Sector Plan* Escambia County, Florida
PEC Development Group Cordelia New-Town Master Plan Mobile, Alabama	City of Fort Lauderdale* Davie Boulevard Corridor Master Plan Fort Lauderdale, Florida	San Carlos Institute Restoration* Master Plan Key West, Florida
Forum Development Group Pooler Town Center Master Plan Savannah, Georgia	City of Miami Beach* Oceanfront Neighborhood Master Plan Miami Beach, Florida	New South Dade Planning Charrette* Miami-Dade County, Florida
Grupo Llanera Chiva New Community Master Plan Valencia, Spain	Hines Development* Casablanca Community Master Plan Marbella, Spain	Caribbean Palm Village* Aruba, Netherland Antilles
Newell Rubbermaid Global Headquarters Child Care Center Playground Atlanta, Georgia	Florida Department of Transportation* I-395 Urban Design and PD&E Study Miami, Florida	City of Miami Beach* Victory Garden Miami Beach, Florida
Central Atlanta Progress* Andrew Young Tribute Atlanta, Georgia	Metro Dade Transit Authority* Metromover Brickell Extension Miami, Florida	Massachusetts Turnpike Authority* Wharf District Parks Boston, Massachusetts
Central Atlanta Progress* Simpson Street and West Peachtree Atlanta, Georgia	Municipality of Bayamon / V Architecture* El Canton Redevelopment Plan Bayamon, Puerto Rico	Eastern Shores Intracoastal Mall Redevelopment* Sunny Isles, Florida
Central Atlanta Progress* Atlanta City Center Livable Centers Initiative Master Plan Atlanta, Georgia	Oropesa Development* Finca Biafara Community Master Plan Puerto Rico	Emory Village Streetscape* Atlanta, Georgia
City of Savannah* Ellis Square Savannah, Georgia	Regional Planning Commission of Greater Birmingham* Birmingham Framework 2020 Plan Birmingham, Alabama	Freedom Center* Miami, Florida
Miami-Dade County & Performing Arts Center Trust* Carnival Center for the Performing Arts	Ave Maria University & New Town* Naples, Florida	Heathcote Botanical Park* Fort Pierce, Florida
	Cumanagoto New Town* Barcelona, Venezuela	InterContinental Hotel* Miami, Florida
	City of Miami Beach*	Kato Town Center* Heredia, Costa Rica
		Latitude on the River* Miami, Florida
		City of Fort Worth* Lancaster Avenue Corridor Plan

LEONARDO ALVAREZ /

McKee Botanical Garden Phase III*
Vero Beach, Florida

City of Miami Beach*
Miami Beach Botanical Garden
Miami Beach, Florida

National Park Service*
New Orleans Jazz National
Historic Park
New Orleans, Louisiana

Onofre Carballeira Sports Complex*
Bayamon, Puerto Rico

Hines Development*
Parc Diagonal Mar
Barcelona, Spain

Peachtree Street Vision Plan*
Atlanta, Georgia

Miami-Dade County Park & Recreation
Department

Multiple Projects:
Redlands Fruit and Spice Park
Eden Lakes Park
Medsouth Park
Rock Ridge Park
Tree Islands Park
Miami-Dade County, Florida

UCB Corporate Building Expansion*
Smyrna, Georgia

Navy Federal Credit Union Campus*
Pensacola, Florida

St. Francis Hospital Assisted Living
Facility*
Columbus, Georgia

Brickell Promenade*
Miami, Florida

Fairchild Tropical Garden*
Liberty Hyde Bailey Palm Glade Restoration
Coral Gables, Florida

Fairchild Tropical Garden*
Gatehouse Museum and Entry Court
Coral Gables, Florida

Crane Point Hammock Environmental
Restoration and Design*
Marathon, Florida

City of Melbourne*
Olde Eau Gallie Riverfront
Melbourne, Florida

City of Pascagoula*
Pascagoula Waterfront Plan
Pascagoula, Mississippi

Novare Biltmore Associates*
Biltmore Plaza
Atlanta, Georgia

The Related Group*
One Miami Riverwalk
Miami, Florida

San Juan Public Works*
Roosevelt / De Diego Avenues Street
San Juan, Puerto Rico

Georgia Department of Transportation*
17th Street Bridge
Atlanta, Georgia

City of Tampa*
Ashley Drive Corridor Enhancement
Tampa, Florida

Brickell Parks*
Miami, Florida

Terra Group*
CitiSquare District
Miami, Florida

City of Miami Beach*
Beach Wayfinding and Signage Program
Miami Beach, Florida

Courts of Pinecrest*
Miami, Florida

Columbus Office Tower*
Miami, Florida

El Citadel Residential Complex*
Costa Rica

Life Sciences Park Development Co.*

Carillon / Canyon Ranch Spa*
Miami Beach, Florida

Arvida / St. Joe Companies*
Windmark Beach
Gulf County, Florida

PGA Tour Golf Course Properties, Inc.*
World Golf Village
St. Augustine, Florida

Arvida / St. Joe Companies*
Mexico Beach Community
Mexico Beach, Florida

The Richard-Brandon Company*
Seabreeze Hotel
Miami Beach, Florida

Fontainebleau Hilton*
Fontainebleau Hilton Boardwalk and Back
Dune Restoration
Miami Beach, Florida

EDUCATION

Georgia Institute of Technology
Hinman Building Courtyard
Atlanta, Georgia

American University of Iraq
Campus Master Plan
Sulaimani, Iraq

King Saud bin Abdulaziz University for
Health Sciences
Riyadh, Al Hasa, Saudi Arabia

Kuwait University City
Sabah Al-Salem University
Academic Support Facilities
Shidadiyah, Kuwait

College of Coastal Georgia
Health and Science Complex
Pedestrian Mall
Brunswick, Georgia

University of Florida
Clinical Translational Research Building
Gainesville, Florida

University of Georgia

LEONARDO ALVAREZ /

Phoebe Putney Memorial Health Systems
Willson Hospice
Albany, Georgia

Phoebe Putney Memorial Health Systems*
Meredyth Place Medical Campus
Albany, Georgia

Phoebe Putney Memorial Health Systems*
Morningside Assisted Living Facility
Albany, Georgia

Phoebe Putney Memorial Hospital Data
Center*
Albany, Georgia

Phoebe Putney Memorial Hospital*
Campus Open Space Master Plan
Albany, Georgia

Children's Healthcare of Atlanta Egleston
Hospital*
Atlanta, Georgia

Children's Healthcare of Atlanta Scottish
Rite Hospital*
Atlanta, Georgia

University of Miami*
Clinical Research Building
Miami, Florida

University of Miami*
Miller School of Medicine
Miami, Florida

University of Alabama Birmingham Health
Systems*
Women & Infants Medical Facility
Birmingham, Alabama

Mayo Clinic New Hospital*
Jacksonville, Florida

Memorial Health University
Medical Center *
Curtis & Elizabeth Anderson Cancer
Institute
Savannah, Georgia

Halifax Medical Center Expansion*
Daytona Beach, Florida

SCIENCE+TECHNOLOGY

Emory University
Woodruff Health Sciences Research
Building Feasibility Study
Atlanta, Georgia

PetroChina
Center for Petrochemical Engineering and
Scientific Research Achievement
Shanghai, China

National Institute of Health Sustainability
Review
Washington, D.C.

King Abdullah University of Science and
Technology (KAUST)
Science Town Master Plan
Jeddah, Saudi Arabia

University of Florida
Innovation Square Master Plan
Gainesville, Florida

China Huaneng Group
Talent Innovation and Entrepreneurship
Campus Master Plan
Beijing, China

Oklahoma Medical Research Foundation
Research Facility
Oklahoma City, Oklahoma

Memphis Bioworks Foundation
UT-Baptist Research Master Plan
Memphis, Tennessee

**Experience as Principal prior to joining
Perkins+Will*

COMMUNITY INVOLVEMENT

Park Pride Board Member + Annual
Conference Committee Co-Chair

SPSU School of Architecture Advisory
Board

TedX Atlanta Steering Committee Member

UGA College of Environmental Design
Dean's Advisory Board

Florida International University College of
Architecture and the Arts Deans Leadership
Council

Florida International University Landscape
Architecture Advisory Board

Nominated for Leadership Atlanta

City of Atlanta Urban Design Commission

AIA Atlanta Urban Design Committee

Midtown Alliance Leadership Class 03

Atlanta Botanical Garden Education
Committee

Grady Hospital Board of Visitors

Juror. AIA Atlanta, Young Architects Forum
(YAF). 48 hours Design Competition.
November 2011.

Judge. 2011 Georgia Tech Case
Competition: Designing for Good.
Peacebuilding Solutions + Engineers
without Borders. Georgia Tech and Atlanta
Refugee Camp Design Competition. October
2011.

Juror. Pittsburgh Neighborhood Urban
Design Along BeltLine. UGA CED Graduate
Studio. December 2011.

SPSU Architecture Studio Thesis Review
Jury. Professors M. Saleh Uddin, PhD and
Ameen Farooq, PhD. Spring 2011.

**PUBLICATIONS & SPEAKING
ENGAGEMENTS**

"Olympic Legacy: Case Studies and Trends
of Parks Since 1996: Centennial Olympic
Park--Two Years of Observations." American
Society of Landscape Architects Annual
Conference. Phoenix, AZ. October 28,
2012.

Keynote, Graduation Ceremony. University
of Georgia College of Environment and
Design. Athens, Georgia. May 2012.

Interviewed by Gene Kansas for Sidewalk
Radio. Aired December 27, 2011.

LEONARDO ALVAREZ /

“Atlanta BeltLine Corridor Design: Vision to Construction.” American Bar Association Forum on the Construction Industry. Atlanta, Georgia. October 14, 2011.

ASLA Georgia Young Landscape Architects Forum. Atlanta, Georgia. October 13, 2011.

“Challenges and Evolving Trends in the Market and Profession,” Changes and Challenges in the New Normal: Academics and Practitioners Find Common Ground. ASLA Tri-State Conference. Atlanta, Georgia. April 29, 2011.

“Green Infrastructure: Scale, Design + Connectivity.” Perkins+Will White Paper. August, 2010.

“6 Green Projects on 3 Continents.” IFLA 46th International World Congress. Rio de Janeiro, Brazil. 2009.

“Overview of Construction Documentation.” Landscape Architectural Graphic Standards. Leonard Hopper, ed. New Jersey: John Wiley & Sons, 2007.

“Comparative Land Use Models.” ULI Panel Moderator. Land Use Planning for Puerto Rico’s Future. San Juan, Puerto Rico. 2006.

American Society of Landscape Architects conference CEO Roundtable, Minneapolis, Minnesota. 2006.

“Landscape Architecture: Education Intelligence Report.” Design Intelligence, America’s Best Architecture and Design Schools. November 2004.

Panel moderator and participant, Atlanta Green Forum Conference. Atlanta, Georgia. March 2004.

“Fusion in Urban Design.” UGA Law School. Athens, Georgia. February 20, 2003.

“The Role of Site Design in Healthcare Environments.” AIA Georgia Annual Design

“Linkages through Leveraging Learning: Campus Planning, Community and the University.” SE University Facilities Planning Conference. University of Georgia, Athens, Georgia. June 2002.

“Fusion, Scale and Design.” ASLA Lecture for Architecture Week Miami. AIA Florida Chapter and ASLA Miami Section. The Wolfsonian Museum, Miami Beach, Florida. October 1, 2002.

“Urbanism: Visions for the Next 100 Years.” ASLA Conference Proceedings. Boston, Massachusetts. September 1999. pp. 130-134.

“Urban Miami: Developing a Framework for Responsive Design.” ASLA Conference Proceedings. Washington, D.C. Nov. 1997. pp. 31-40.

“Places in Time: Historic Architecture and Landscapes of Miami.” with Joseph D. Ford, eds. Miami: FIU School of Design, 1994.

“The Nature of Fractals and the Culture of Euclidean Form.” Ecology, Aesthetics and Design. America Society of Landscape Architects. October 1994. pp. 31-40.

“Preserving Historic Landscapes.” Preservation Today. Becky R. Matkov, ed. Miami: Dade Heritage Trust, April 1993.

AWARDS & HONORS

Award of Excellence, 2014. ASLA Tri-State. Duke Medicine Pavilion Plaza, Durham, North Carolina.

Honor Award, 2014. ASLA Tri-State. Atlanta BeltLine Eastside Trail, Atlanta, Georgia.

Landscape Architecture Awards for Healthcare Environments, Acute Care, Bronze Award, 2013. Vendome Group. Duke Medicine Pavilion Plaza, Durham, North Carolina.

Merit Award, 2013. AIA-Georgia. The Atlanta BeltLine. Atlanta. Georgia.

Contract Magazine Healthcare Environment Award, Conceptual Design, 2013. Camp Southern Ground, Fayetteville, Georgia.

Honor Award, 2013. ASLA-Georgia. Camp Southern Ground, Fayetteville, Georgia.

Merit Award, 2013. ASLA-Georgia. Piedmont Newnan Hospital, Newnan, Georgia.

Honor Award, 2012. AIA-Georgia. Puerto Rico Capitol District Master Plan, San Juan, Puerto Rico.

Merit Award, 2012. AIA-Georgia. College of Coastal Georgia - Site Design, Brunswick, Georgia.

Merit Award, 2012. AIA-Georgia. PetroChina Research Campus, Beijing, China.

Award of Excellence, 2012. ASLA-Georgia. Puerto Rico Capital District, San Juan, Puerto Rico.

Honor Award, 2012. ASLA-Georgia. Coastal College of Georgia, Brunswick, Georgia.

Honor Award, 2012. ASLA-Georgia. Willson Hospice, Albany, Georgia.

Merit Award, 2012. ASLA-Georgia. 1315 Peachtree Street, Atlanta, Georgia.

Award of Merit, Planning Project Category, 2012. APA-Florida. Innovation Square, Gainesville, Florida.

President’s Award, 2012. Florida Redevelopment Association. Innovation Square, Gainesville, Florida.

Out of the Box Award, 2012. Florida Redevelopment Association. Innovation Square, Gainesville, Florida.

Emerging Research and Science Park, 2012. Association of University Research Parks (AURP). KAUST Science Town, Jeddah, Saudi Arabia.

National Healthcare Design Award. 2012.

MANUEL CADRECHA, AIA, LEED AP® BD+C

Principal / Corporate + Commercial + Civic / Global Market Sector Leader



As Design Director for the Atlanta office, Manuel's creative solutions have been recognized with numerous regional, national and international design awards over a 30-year career. Manuel's design for the CDC National Center for Environmental Health achieved a LEED Gold Certification, the First Federal Government High-Performance Laboratory to achieve that distinction. Manuel is recognized as a strong, agile designer and a successful consensus builder, creating a unified design tone for each project. An ardent advocate for interdisciplinary design, Manuel has led the firm's Interdisciplinary Design Initiative. His Darden Headquarters Building was awarded an AIA Design Excellence Award and was noted for its successful integration of interdisciplinary design. He is a visiting design critic at the Georgia Institute of Technology and serves on both the curriculum advisory board and the alumni advisory board. Manuel has also served on the board of the Latin American Association, the St. Joseph's Mercy Care Board and the Cultural Diversity Board of Atlanta's High Museum of Art. Manuel serves on the firm's Board of Directors.

EDUCATION

Master of Architecture, Georgia Institute of Technology

Bachelor of Architecture, Georgia Institute of Technology

REGISTRATIONS

Architect: Georgia

Interior Designer: Georgia

PROFESSIONAL AFFILIATIONS

American Institute of Architects, Member

Leadership in Energy & Environmental Design (LEED®) Accredited Professional

International Interior Design Association

High Museum of Art Community Relations Committee, Member

Georgia Institute of Technology, College of Architecture, Visiting Design Critic

RELEVANT EXPERIENCE

Science + Technology

Richland College

Sabine Hall Science Building

Dallas, Texas

PetroChina

Center for Petrochemical Engineering and Scientific Research Achievement

Shanghai, China

China HuaNeng Group

Talents Innovation and

Entrepreneurship Base

Beijing, China

COFCO Research Towers and

Mixed-Use Complex

Bei Qi Jia Town, Chang Ping District

Beijing, China

Department of Homeland Security

National Biodefense Analysis and

Countermeasures Center (NBACC)

Biocontainment Facility

Ft. Detrick, Maryland

Department of Homeland Security

National Bio and Agro Defense Facility

(NBAF)

Bethesda, Maryland

Centers for Disease Control

Building 110

Atlanta, Georgia

Florida Atlantic University

Charles E. Schmidt Biomedical

Science Center

Boca Raton, Florida

Georgia Institute of Technology

J. Erskine Love, Jr. Manufacturing Building

Klaus Advanced Computing Technology

Building

Atlanta, Georgia

Texas A&M University

Interdisciplinary Life Sciences Building

College Station, Texas

National Institute of Allergy and Infectious

Diseases

Bethesda, Maryland

Oklahoma Medical Research Foundation

New Research Tower

Oklahoma City, Oklahoma

National Institutes of Health

Porter Neurosciences Research Center,

Phase II

Bethesda, Maryland

NASA - Kennedy Space Center
Engineering Technology Development
Complex Building
Cape Canaveral, Florida

University of Texas
Medical Branch at Galveston
National Biocontainment Lab
Galveston, Texas

Corporate + Commercial + Civic

Perkins+Will Atlanta Office
1315 Peachtree Street
Atlanta, Georgia

Darden Restaurants, Inc.
Restaurant Support Center / Corporate
Headquarters
Orlando, Florida

201 Seventeenth Street
Atlantic Station
Atlanta, Georgia

Centers for Disease Control
Building 106
Atlanta, Georgia

Sany America, Inc.
North American Office and
Assembly Campus
Peachtree City, Georgia

Sany, Inc.
Master Plan and New Campus Design
Beijing, China

Sany Ning Xiang Manufacturing Center
263 hectares master plan for
manufacturing, office, research and
housing campus
Ning Xiang, China

Sany Beijing Manufacturing Center
129 hectares master plan for
manufacturing, office and research campus
Nankou, China

Sany Electric Manufacturing Center
112 hectares master plan for
manufacturing, office and research campus
Changshu, China

Sany Huzhou Manufacturing Center
150 hectares master plan for
manufacturing, office and research campus
Huzhou, China

Bear Stearns
Brokerage Company
Atlanta, Georgia

Cauble and Company
Corporate Headquarters
Tenant Fit-Out
Atlanta, Georgia

Delta Airlines
Marketing Center
Atlanta, Georgia

Folio Z
Advertising Offices
Atlanta, Georgia

Inverness Group
Port of Miami Terminal
Miami, Florida

McKinsey & Company
Corporate Headquarters
Atlanta, Georgia

New York Life
Call Center
Atlanta, Georgia

Old National Post Office
Atlanta, Georgia

Sawyer Riley Compton
Corporate Headquarters
Atlanta, Georgia

SOLINET
Corporate Headquarters
Atlanta, Georgia

The Step Company
Corporate Offices
Atlanta, Georgia

Turner Broadcasting
Executive Offices and Network Operations
Facility
Atlanta, Georgia

PUBLICATIONS

World Architecture News Darden Restaurant
Support Center, 2009.

HQ Magazine, Darden Restaurant Support
Center, 2009.

Texas Architect, TAMU ILSB, 2009.

Architectural Record Magazine, Hughes
Spalding Medical Center Pavilion.

Architectural Record Magazine, Northside
Hospital Expansion.

Architectural Record Magazine, St.
Joseph's Hospital Stella Maris Outpatient
Center.

Contract Design, "The Step Company," July
1994.

Interiors Magazine, "Kaiser Permanente
Townpark," May 1996.

SPEAKING ENGAGEMENTS

Georgia Institute of Technology,

Architecture Centennial Lecture -

Retrospective of Design Work, 2009.

Denver AIA Lecture Retrospective of Design
Work, 2008.

GT Junior Prize Jury April 23, 2009 Chair.

Denver AIA Design Awards, 2008 Chair.

AWARDS & HONORS

AIA Committee on the Environment (COTE)
Top Ten Green Projects, 2012. 1315

Peachtree Street, Atlanta, Georgia.

American School & University Magazine,

Architectural Portfolio, 2012. Louis I. Kahn

Citation (Top Post-Secondary). Richland

College, Sabine Hall Science Building,

Dallas, Texas.

AIA South Atlantic Region Honor Award,

2012. 1315 Peachtree Street, Atlanta,

Georgia.

Atlanta Regional Commission & Livable

Communities Coalition. Developments of

Excellence Awards, 2011. 1315 Peachtree

Street, Atlanta, Georgia.

AIA Georgia Design Awards, 2011. 1315

Peachtree Street, Atlanta, Georgia.

KEITH CURTIS, LEED GREEN ASSOCIATE

Principal, Branded Environments, Southeast Regional Discipline Leader



With a background in architecture and interior design, Keith Curtis boasts over 25 years of experience in roles including managing principal, creative director, project designer for various firms. An expert in experiential design, he developed comprehensive design solutions for some of the most recognized brands in the world. His work ranges from traditional and specialty hospitality, retail, and restaurant design, corporate, commercial, civic, and cultural design, healthcare, science, and technology design, and specific museum, tradeshow, and exhibit design. Keith utilizes his strong grasp of the design process to lead the 'vision' for both his clients and his teams – whether spearheading marketing efforts for strategic branding design services, developing new business strategies, or managing project immersion, design, and implementation. His skills at building and strengthening brands by exploring new ways to tell their stories makes him an effective liaison between the client stakeholders and his design teams.

EDUCATION

Certificate of Management and Leadership,
Dale Carnegie School of Management,
1995

Bachelors of Architecture in Design,
University of Illinois at Chicago, 1991

School of Architectural Studies, Université
de Illinois, Versailles, France, 1990

EDUCATIONAL AFFILIATIONS

Contract Design Instructor, College of
DuPage

Design Instructor, The University of Florida

Design Instructor, The Cleveland Institute
of Art

RELEVANT EXPERIENCE

Corporate / Commercial / Civic

7-Eleven*
Concept & Prototype Development

ACE Cash Express*
Dallas, Texas
Colorado Springs, Colorado

Antron Resource Center
Brand Experience, Exhibits & Graphics
Chicago, Illinois

Aria
Restaurant Concept Design
Chicago, Illinois

Arby's Fresh Market*
Prototype Development & Rollout

The Athlete's Foot*
Retail Store Design
Atlanta, Georgia
Orange, California
New York, New York

The Atlanta Braves*
Lexus Level Concourse and Executive
Suites Design, Stadium Signage
Atlanta, Georgia

Au Bon Bon*
Chain Prototype Design
Boston, Massachusetts

Department Store Prototype & Rollout

Bistro 110*
Restaurant Concept Design
Chicago, Illinois

Blackhawk Lodge*
Concept Design
Chicago, Illinois

Cafe Spiaggia*
Restaurant Concept Design
Chicago, Illinois

Carson, Pirie & Scott*
Food Court Concepts
Chicago, Illinois

Chicago Botanical Garden*
Garden Shop
Retail Design, Brand Experience
Glencoe, Illinois

The Chicago Symphony Orchestra*
Retail Store Design
Chicago, Illinois

Church's Chicken*
International Concept Development
Multiple Locations

Circuit City*
Retail Prototype & Rollout
Multiple Locations

KEITH CURTIS /

LANouba Retail Store
Concept Development
and Implementation
Orlando, Florida

Coca-Cola Evolution/Revolution
Design*
Atlanta, Georgia

Department of Homeland Security
National Bio and Agro Defense Facility
Manhattan, Kansas

DuPont Antron Resource Center*
Brand Experience, Exhibits & Graphics
Chicago, Illinois

Fedco*
Retail Design
Various Locations, California

Food Lion*
Retail Prototype & Rollout
Multiple Locations

Giordano's*
Retail Prototype & Rollout
Multiple Locations

H&R Block*
Prototype & Rollout
Multiple Locations

HAG*
Showroom Design
Chicago, Illinois

Haskell*
Sales Center Design
Chicago, Illinois

The Home Depot
Driving Innovation Communications
Initiative
Atlanta, Georgia

The Home Depot*
Retail Prototype & Rollout
Multiple Locations

HON Furniture Kiosks*

Rollout

Honey Baked Ham*
Prototype Development
Multiple Locations

JoAnn Fabrics*
Corporate Headquarters Lobby Design
Hudson, Ohio

JoAnn Fabrics*
Retail Prototype & Rollout
Multiple Locations

Johnson & Johnson*
Store-Within-a-Store Prototype

Kids II
Corporate Showroom
Atlanta, Georgia

Kimball*
Showroom Design
Chicago, Illinois

Kiva Day Spa*
Retail Concept Development
Chicago, Illinois

Lotte*
Department Store Design
Various Locations, Korea

Metro*
Department Store Design
Various Locations, Indonesia

MowHawk Floor Essentials*
Specialty Store Prototype & Rollout
Multiple Locations

Museum of Design Atlanta (MODA)
Museum Gallery Design
Atlanta, Georgia

National Retail Federation*
NRF Design Studio
New York, New York

Popeye's*
Chain Prototype Design

Rite Aid*
Retail Prototype & Rollout
Multiple Locations

Suzuki*
Dealership Prototype & Rollout
Multiple Locations

Unilever CiiC*
Customer Insights and
Innovation Center
Englewood Cliffs, New Jersey
Shanghai, China

United Cooperative Services
Energy Innovation Center
Burleson, Texas

Walmart*
Retail Prototype & Rollout
Multiple Locations

Weight Watchers*
Retail Prototype & Rollout
Multiple Locations

Healthcare

Cabell Huntington Children's Hospital
Huntington, West Virginia

Rehabilitation Institute of Chicago*
Brand Experience
Chicago, Illinois

K12 Education

Woodward Academy Prep School
Atlanta, Georgia

**Completed prior to joining Perkins+Will*

SPEAKING ENGAGEMENTS

The University of Florida Retail Symposium,
2005-2010

The National Retail Federation Design
Studio, 2009, 2010

The Cleveland Institute of Art, 2007
Retail Interiors Expo, 2006

KEITH CURTIS /

AWARDS & HONORS

IIDA Georgia Chapter, Best of the Best Forum Design Awards, Healthcare - Small, 2014, Mayo Clinic Simulation Center, Jacksonville, Florida IIDA,

NeoCon Best Small Showroom Award, Antron 2011 Resource Center

IIDA, NeoCon Best of Competition, Antron 2011 Resource Center

Atlanta Urban Design Commission, Award of Excellence, Museum of Design

International Store Design, 2009 Design Awards, Award of Merit

Visual Merchandising and Store Design Magazine, 2009 Store Design Awards, Honorable Mention

International Store Design, 2008 Design Awards, First Place Award

Chain Store Age, 2006 Retail Store of the Year

Retail Interiors Expo, Best Design Project, 2006

Marketing Award for Excellence, 2004

Oak Park Historical Society, Citation for Historic Renovation, 2000

Hospitality Design Gold Key Award, First Place Winner, 2007

19th Annual Interiors Awards Competition, Winner, Best Restaurant, 1997

The Institute of Store Planners/Visual Merchandising and Store Design Annual Competition, Honorable Mention, 1996

Restaurants & Institutions, Honorable Mention, 1996

AIA, Chicago Chapter, Interior Architecture Award, 1994

ASID, First Place National Award (Retail), 1994

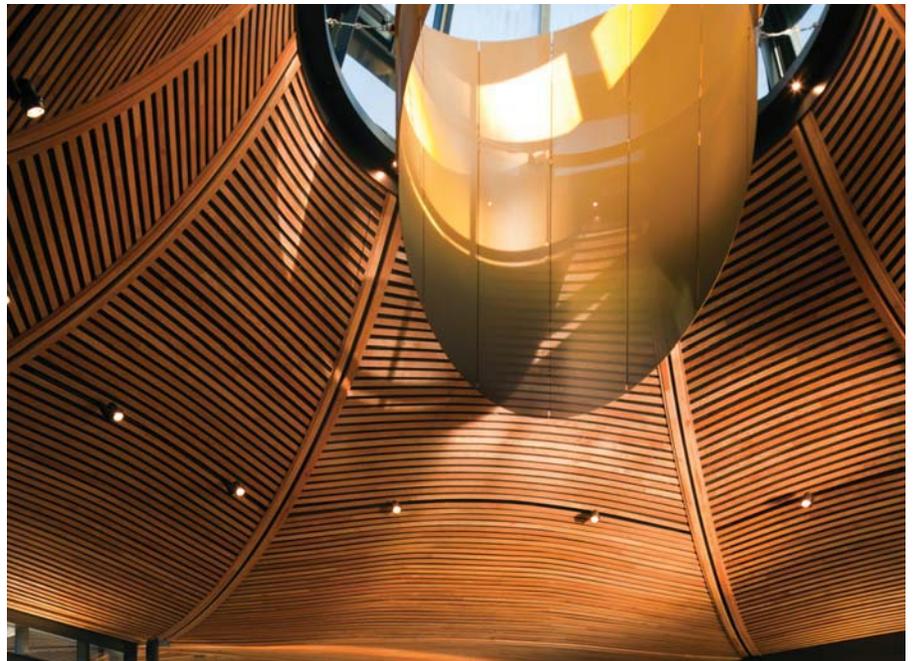
ASID, First Place National Award (Healthcare), 1994

BIM Utilization

The Perkins+Will Team are experts in the use of Building Information Modeling (BIM) technology for the production of large, complex projects. In addition, the team has successfully coordinated large BIM projects, in real time, across multiple offices, all over the world.

The team will use BIM models to develop and study initial design concepts, continue the development of the models through Design Development, use BIM to produce and coordinate the Construction Documents, and ultimately use BIM to help coordinate and administer the construction of the project. The Design Team will coordinate closely with the Construction Manager to develop a comprehensive BIM strategy, codified into a project BIM Manual, which all team members will follow.

BIM is only one technology in the complete collection of tools available to the Design Team – BIM models produced by the Design Team will be incorporated into environmental models from local agencies and engineers, construction phasing and scheduling models from the Construction Manager, and building management systems to create a fully integrated model of the buildings, the site, and all project systems.



05.

SF330

CERTIFICATIONS

& LICENSES



**STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**

**BOARD OF ARCHITECTURE & INTERIOR DESIGN
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783**

(850) 487-1395

**PERKINS & WILL ARCHITECTS INC
330 N WABASH AVE
CHICAGO IL 60611**

Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to barbeque restaurants, and they keep Florida's economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto www.myfloridalicense.com. There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department's initiatives.

Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!




The Department of State is leading the commemoration of Florida's 500th anniversary in 2013. For more information, please go to www.VivaFlorida.org.

DETACH HERE

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

LICENSE NUMBER	AAC000180
-----------------------	-----------

The ARCHITECT CORPORATION
Named below IS CERTIFIED
Under the provisions of Chapter 481 FS.
Expiration date: FEB 28, 2015

PERKINS & WILL ARCHITECTS INC
330 N WABASH AVE
CHICAGO IL 60611




**RICK SCOTT
GOVERNOR**

ISSUED: 08/19/2013 SEQ# L1308190000325
DISPLAY AS REQUIRED BY LAW

**KEN LAWSON
SECRETARY**



STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF ARCHITECTURE & INTERIOR DESIGN
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

(850) 487-1395

WILDER ARCHITECTURE, INC.
3701 EL PRADO BOULEVARD
TAMPA FL 33629

Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto www.myfloridalicense.com.

Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers.

License card for Wilder Architecture, Inc. with AC# 709068, license number AA26000655, and expiration date FEB 28, 2015.

DETACH HERE

Main license information block containing AC# 709068, license details table, and signatures of Rick Scott and Ken Lawson.

State of Florida

Board of Professional Engineers

Attests that

Walter P. Moore & Assoc., Inc.



is authorized under the provisions of Section 471.023, 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: 228201501734

Certificate of Authorization

CA Lic. No:

3818

State of Florida

Board of Professional Engineers

Attests that

Affiliated Engineers SE, Inc.



is authorized under the provisions of Section 471.023, 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: 228201501360

Certificate of Authorization

CA Lic. No:

5140

State of Florida

Board of Professional Engineers

Attests that

Applied Technology & Mgmt Inc



is authorized under the provisions of Section 471.023, 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: 228201501752

Certificate of Authorization

CA Lic. No:

4669

State of Florida

Minority, Women & Florida Veteran Business Certification

Kisinger Campo & Associates Corp.

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

07/14/2014 to 07/14/2016



DEPARTMENT OF MANAGEMENT
SERVICES

Craig J. Nichols
Craig J. Nichols, Secretary
Florida Department of Management Services



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

ARCHITECT-ENGINEER QUALIFICATIONS

PART 1 - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION (*City and State*)

Statement of Qualification for Professional Architectural, Engineering & Consulting Services - St. Petersburg Tampa, Florida

2. PUBLIC NOTICE DATE

September 5, 2014

3. SOLICITATION OR PROJECT NUMBER

B. ARCHITECT - ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Leo Alvarez, FASLA, AIA, LEED AP

5. NAME OF FIRM

Perkins+Will, Inc.

6. TELEPHONE NUMBER

404.443.7426

7. FAX NUMBER

404.892.5823

8. E-MAIL ADDRESS

Leo.Alvarez@perkinswill.com

C. PROPOSED TEAM

(Complete this section for the prime contractor and all key subcontractors)

	(Check)			9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	J-V PARTNER	SUBCONTRACTOR			
a.	X			Perkins+Will, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	1315 Peachtree Street NE Atlanta, GA 30309	Architect of Record, Design Lead, Programming, Planning, Project Management
b.			X	Wilder Architecture Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	1517 E. Seventh Avenue Suite C Tampa, FL 33605	Associate Architect
c.			X	Applied Technology Management <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	5550 NW 111th Boulevard, Gainesville, FL 32653	Coastal Engineering, Environmental Studies, Recreation Facilities, Planning
d.			X	Sherwood Design Engineers / Kisinger Campo & Associates <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	10 E. 40th Street, 39th Floor, New York, NY 10016	Environmental Engineering, Civil Engineering, Water Resources, Ecological Resources / Civil Engineering Upland, Road, Bridge
e.				Walter P. Moore <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	201 E. Kennedy Blvd., Suite 300 Tampa, FL 33602-5181	Structural Engineering
f.				Affiliated Engineers Inc.	One Harbour Place, Suite 450 777 S. Harbour Island Blvd. Tampa, FL 33602	Mechanical, Electrical Engineering

OFFICE LOCATION PROVIDING SERVICES : Perkins+Will, 1315 Peachtree Street NE, Atlanta, Georgia 30309



PERKINS+WILL
Primary Firm

Manuel Cadrecha
Global Market Sector Leader

Leo Alvarez
Design Principal

Keith Curtis
Sr. Landscape Architect

John Threadgill
Project Manager

JEFF WILLIAM
Sr. Project Designer

Bruce McEvoy
Design Architect

Yancy Wilkinson
Brand Designer

Thomas Brown
Landscape Architect

Justin Cooper
Landscape Architect

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
Leonardo Alvarez, FASLA, AIA, LEED® AP	Design Principal	a. TOTAL	b. WITH CURRENT FIRM
		33	7

15. FIRM NAME AND LOCATION (*City and State*)

Perkins+Will - Atlanta, Georgia

16. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>)	17. CURRENT PROFESSIONAL REGISTRATION (<i>STATE AND DISCIPLINE</i>)
Master of Landscape Architecture, Harvard University Graduate School of Design; Bachelor of Science - Architectural Technology, Florida International University; Architecture Curriculum, University of Miami	Landscape Architect: Florida #926, Georgia, Pennsylvania, Virginia, Texas, Arkansas, Maryland, South Carolina, North Carolina; Architect: New York #17504 (inactive); CLARB Certified #36713; LEED® Accredited Professional

18. OTHER PROFESSIONAL QUALIFICATIONS (publications, Organizations, Training, Awards, etc.)

American Society of Landscape Architects, Fellow (ASLA), American Institute of Architects (AIA), Society for College and University Planning (SCUP)

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (<i>City and State</i>)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	Atlanta BeltLine Eastside Trail Atlanta, Georgia	2010	2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
	The Eastside Trail is the first finished segment of the Atlanta BeltLine, the nation's most celebrated "smart growth" infrastructure project. This inaugural segment serves as both prototype and catalyst for the entire 22-mile BeltLine, establishing the elegant, durable design vocabulary that will unify and highlight 45 diverse neighborhoods around Atlanta. Instantly embraced by a vast range of users, the corridor design brings this complex project to life after a decade of grassroots planning. ROLE: Design Principal		
	Gainesville Community Redevelopment Agency 9th Street Streetscape Gainesville, Florida	2014	2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
	Innovation Square is the redevelopment of the former AGH Hospital and surrounding area into a 12 block urban mixed-use research district that integrates new development into the existing urban fabric. As the central element of the proposed Greenway, 9th Street will be the active center of the District and the first infrastructure project focused on redefining the traditional public realm within the City. ROLE: Design Principal		
	Georgia Institute of Technology Cherry Street Corridor, Landscape Master Plan Atlanta, Georgia	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
	In 2013, Perkins+Will was contracted to prepare a Landscape Master Plan for the Cherry Street Corridor, an important thoroughfare at the heart of the Georgia Tech campus. The Master Plan proposes the conversion of this existing vehicular street into a limited-access, pedestrian-oriented promenade that preserves, compliments and celebrates the historic character of the district, which is listed on the National Register of Historic Places. The proposed design successfully integrates a variety of buildings, monuments and gathering spaces between Ferst Drive and Bobby Dodd Way, including the Price Gilbert Memorial Library and the Evans Administration Building. It also proposes the revitalization of Harrison Square and the adjacent Tech Tower landscape, providing ADA compliant access throughout and integrating innovative storm water management solutions. ROLE: Design Principal		
	FIU Stempel Complex Site Design Miami, Florida	2014	Currently
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
	As part of the FIU Master Plan completed by Perkins+Will, the site design for the Stempel Complex connects a cluster of new classrooms and labs with a series of complimentary outdoor spaces. The site design engages the adjacent quad, connects access points across campus, while creating the transition from public stage to smaller, private spaces. ROLE: Design Principal		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
MANUEL CADRECHA, AIA, LEED AP® BD+C	Design Director; Principal	a. TOTAL	b. WITH CURRENT FIRM
		34	34

15. FIRM NAME AND LOCATION (*City and State*)

PERKINS+WILL; Atlanta, Georgia

16. EDUCATION (*DEGREE AND SPECIALIZATION*)

Master of Architecture, Georgia Institute of Technology
Bachelor of Architecture, Georgia Institute of Technology

17. CURRENT PROFESSIONAL REGISTRATION (*STATE AND DISCIPLINE*)

Registered Architect: Georgia
RA # 005923

18. OTHER PROFESSIONAL QUALIFICATIONS (publications, Organizations, Training, Awards, etc.)

American Institute of Architects, Member; Leadership in Energy & Environmental Design (LEED®) Accredited Professional
International Interior Design Association (IIDA); High Museum of Art Community Relations Committee, Member; Georgia Institute of Technology, College of Architecture, Visiting Design Critic

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (<i>City and State</i>)	(2) YEAR COMPLETED	
a.	Signet Enterprises Infinity Hall Gainesville, Florida	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2015	2016 estimated
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
<p>This public/private partnership includes a 64 Unit Residence Hall associated with the University of Florida, housing 260 students in the emerging Innovation Square district of Gainesville, Florida. The five story structure of approximately 90,000 square feet organizes resident units on the upper four floors with shared study, recreation and communal space on each floor. Role: Design Director; Construction Cost: \$13 million <i>estimated</i></p>			
b.	Topkapi Mixed Use Development Istanbul, Turkey	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2014 (master plan/design only)	TBD
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
<p>Topkapi is a visionary mixed-use redevelopment of an industrial site near historic Istanbul. With 4,000+ housing units, corporate work and retail environments this project responds to the rising demand for integrated urban living at the heart of a growing metropolis. Project Size: 225,120 square meters, 2.4 million square feet, 20 acres; Role: Design Director; Construction Cost: to be determined</p>			
c.	China Huaneng Group Talent Innovation and Entrepreneurship Campus Master Plan Beijing, China	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2014 (master plan/design only)	TBD Phase 1 currently under construction
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
<p>The client brief called for Perkins+Will to design a park-like environment that would foster a sense of innovation, collaboration and dedication to HuaNeng's important energy mission. The approximately 2.5 million square foot program is a modern mix of expertise in both market sector integration and interdisciplinary collaboration. The project, located in an emerging Science City in the northern suburbs of Beijing, is being designed to meet LEED Gold certification. Role: Design Director; Construction Cost: to be determined</p>			
d.	COFCO Group Research Towers + Mixed-Use Complex Beijing, China	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2010 (design only)	TBD
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
<p>The design of the COFCO Research Towers and Mixed-Use Complex is located in the Bei Qi Jia Town, Chang Ping District, Beijing will comprise of 1,259,377 square feet of proposed program for Phase 1 & 2 consisting of research and testing facilities, offices, food and culture museum, food experience center, apartments, and several other supporting facilities. The project is intended to be an iconic and high class research and development complex in the area which integrates with other research facilities, commercial, housing, retail and other mixed use development in the area. Role: Design Director; Construction Cost: to be determined</p>			
e.	Integral Group 811 Peachtree St. Mixed-Use Development Atlanta, Georgia	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2014	2015 estimated
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
<p>This multi-faceted development combines location, sustainability, and dynamic design to create a healthy environment and a residential experience that is unique to the Atlanta market. Project Size: Retail: 25,000 SF Residential + Amenities: 364,000 SF; Role: Design Director; Construction Cost: to be determined</p>			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
KEITH CURTIS , LEED Green Associate	Branded Environments Principal	a. TOTAL	b. WITH CURRENT FIRM
		29	4

15. FIRM NAME AND LOCATION (City and State)

PERKINS+WILL; Atlanta, Georgia

16. EDUCATION (DEGREE AND SPECIALIZATION)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
Certificate of Management and Leadership, Dale Carnegie School of Management; Bachelors of Architecture in Design, University of Illinois at Chicago; School of Architectural Studies, Université de Illinois, Versailles, France	n/a

18. OTHER PROFESSIONAL QUALIFICATIONS (publications, Organizations, Training, Awards, etc.)

Contract Design Instructor, College of DuPage; Design Instructor, The University of Florida; Design Instructor, The Cleveland Institute of Art

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
a.	China Huaneng Group Talent Innovation and Entrepreneurship Campus Master Plan Beijing, China	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2014 (master plan/design only)	TBD Phase 1 currently under construction
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
The client brief called for Perkins+Will to design a park-like environment that would foster a sense of innovation, collaboration and dedication to HuaNeng's important energy mission. The approximately 2.5 million square foot program is a modern mix of expertise in both market sector integration and interdisciplinary collaboration. The project, located in an emerging Science City in the northern suburbs of Beijing, is being designed to meet LEED Gold certification. Role: Branded Environments Principal; Construction Cost: to be determined			
b.	BMW Manufacturing Campus Master Plan Bluffton, South Carolina	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2013 (master plan only)	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
BMW stakeholders embarked on a Master Planning process for the new Central Office Complex which is comprised of approximately 78 acres. The final Master Plan makes accommodation for up to four phases of growth, supporting primarily office use. Phase One of the plan will accommodate approximately 300 employees in a new office building in the range of 65,000 gross square feet, also being designed by Perkins+Will. Role: Branded Environments Principal; Construction Cost: to be determined			
c.	Carter's Corporate Headquarters Atlanta, Georgia	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2013	2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
Perkins+Will recently designed the new Carter's headquarters relocation project to accommodate the growing corporation with an anticipated head-count of 1,200 at occupancy. The new space is designed to remind the employees, customers and the public of Carter's overall mission. The 250,000 square feet headquarters interior design celebrates the beauty of the brands of Carter's. Role: Branded Environments Principal; Construction Cost: Confidential			
d.	The Weather Channel Atlanta, Georgia; New York, NY and San Francisco, CA	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2013	2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
Perkins+Will was commissioned the fall of 2011 to "Reinvent their Workspace" and accommodate significant growth over the next five years. Perkins+Will created a new vision to take The Weather Channel to 2017. The resulting solution accommodates approximately 950 people with an open and collaborative, flexible environment with a strong Brand recognition at the front door. Project Size: 150,000 gross square feet Role: Branded Environments Principal; Construction Cost: Confidential			
e.	National Bio and Agro-Defense Facility (NBAF) Manhattan, Kansas	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2013	2015 estimated
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
The NBAF is an integrated research, development and testing facility that will allow for research to enhance agricultural public health. NBAF's design will project an image that reinforces this facility's important position as the top research facility of its kind in the world. The public areas will express a welcoming feeling of confidence and sophistication. Size: 708,000 SF; Role: Branded Environments Principal; Construction Cost \$825 million			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(Complete one Section E for each key person.)

12. NAME Larry Wilder, AIA	13. ROLE IN THIS CONTRACT Principal in Charge	14. YEARS EXPERIENCE	
		a. TOTAL 30	b. WITH CURRENT FIRM 10

15. FIRM NAME AND LOCATION (City and State)
Wilder Architecture, Inc.; Tampa, Florida

16. EDUCATION (DEGREE AND SPECIALIZATION) Master of Architecture, 1983 Bachelor of Design, 1979	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Architect, State of Florida
---	--

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Past President - AIA Tampa Bay; NCARB Certificate Holder; Member, American Institute of Architects; Past President, Leadership Tampa Bay; Leadership Tampa, Class of 1995; Member and Past President of the HCC Foundation, Inc.; President, Mayor's Beautification Program Board of Directors; Member, Hillsborough County, City of Tampa Sustainable Communities Advisory Board; Boy Scouts of America, Troop 53 Scout Master.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Hillsborough High School Renovations Tampa, FL	2006	2006
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The 172,400 sf, \$18,920,040 project involved the total renovation of the facility (Classrooms, Gymnasium, Cafeteria, Servery, Kitchen) while the campus remained operational throughout the project . All new technology systems were provided: air conditioning, lighting, power, data and communication systems. PRINCIPAL IN CHARGE .	<input checked="" type="checkbox"/> Check if project performed with current firm	
Sergeant Paul Smith Middle School Tampa, FL	2008	2008
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The 130,000 sf, \$20,400,000 project provided a new prototype middle school, accommodating 1,550 students for 6th, 7th, and 8th grade education. Special purpose instructional spaces include an art studio, music suite, and physical education facility with gymnasium, play courts, play fields and a running track. PRINCIPAL IN CHARGE .	<input checked="" type="checkbox"/> Check if project performed with current firm	
Thompson Elementary School Ruskin, FL	2013	2014
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE A 108,059 sf, \$15,405,000 project designed to accommodate 940 elementary school students. The project is designed to achieve a minimum LEED Silver certification. The orientation is influenced by 1950's & 60's finger plan design using the East/West relationship afforded by the site, maximizing controlled natural light . PRINCIPAL IN CHARGE	<input checked="" type="checkbox"/> Check if project performed with current firm	
Old City Hall Exterior Envelope Assessment Tampa, FL	2013	NA
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Scope included an exterior vertical envelope assessment, focusing on the current condition of the existing brick, terra-cotta and cut stone elements. Provided recommendations for the remediation the architectural elements and design solutions for solving air and water infiltration issues; phasing schedule; review findings with Architectural Review Commission. PRINCIPAL IN CHARGE	<input checked="" type="checkbox"/> Check if project performed with current firm	
World Trade Center Memorial Tampa, FL	2011	2011
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The City acquired an artifact, an eight foot column, from the World Trade Center. From May to September 2011 the memorial was designed, sited, and constructed. High levels of coordination/communication were required between the Owner, Design Team, Construction Manager, and community in order to successfully realize the project completion on time. PRINCIPAL IN CHARGE	<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(Complete one Section E for each key person.)

12. NAME John Thompson, AIA / LEED AP	13. ROLE IN THIS CONTRACT Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 20	b. WITH CURRENT FIRM 10

15. FIRM NAME AND LOCATION (City and State)
Wilder Architecture, Inc.; Tampa, Florida

16. EDUCATION (DEGREE AND SPECIALIZATION) Master of Architecture, 1994 Bachelor of Design, 1992	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Architect, State of Florida LEED Accredited Professional
---	--

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Arts Council of Hillsborough County - Chair; Barrio Latino Commission - Commissioner; Bar Grievance Board; AIA Member; Advisory Board Member; Leadership Tampa Bay, Class of 2000; Founding Member of Sustany, a sustainable design org

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a. Thompson Elementary School Ruskin, FL	2013	2014
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
A 108,059 sf, \$15,405,000 project designed to accommodate 940 elementary school students. The project is designed to achieve a minimum LEED Silver certification. The orientation is influenced by 1950's & 60's finger plan design using the East/West relationship afforded by the site, maximizing controlled natural light . LEED PROJECT MANAGER		
b. Charlotte County Bayshore Live Oak Pavilion Port Charlotte, FL	2012	2013
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
An elevated pavilion structure (440SF, \$347,000) that responds to an existing park aesthetic and provides additional service facilities (restrooms, storage) to the park; a structure, landscape and hardscape elements to connect two adjacent, linear park parcels. The cracker-inspired style makes use of sustainable design features throughout the design. PROJECT MANAGER		
c. Melting Pot Restaurants Various Locations	2006	2006
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
Provided design services to locate the Melting Pot restaurant concept in various locations throughout the USA. Projects varied in size (4,500 sf - 6,000 sf) and the budgets were in the range of \$1,000,000 to \$1,500,000. Existing conditions were analyzed for their ability to accommodate the franchise concept. Worked with local health department officials to ensure codes were met prior to permitting. PROJECT MANAGER		
d. World Trade Center Memorial Tampa, FL	2011	2011
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		
The City acquired an artifact, an eight foot column, from the World Trade Center. From May to September 2011 the memorial was designed, sited, and constructed. High levels of coordination/communication were required between the Owner, Design Team, Construction Manager, and community in order to successfully realize the project completion on time. PROJECT MANAGER		
e. Nature's Classroom Aviary Tampa, FL	1997	1997
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		
An enclosure for bird's of prey in a natural setting to enhance and further the educational mission of Nature's Classroom. The Aviary was completed through pro bono design services and construction. Constructed of wood poles, wood beams, and mesh, the structure was integrated into the overall master plan concept of the facility. PROJECT DESIGNER		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each person)

12. NAME Richard J.A. Temple, P.E.	13. ROLE IN THIS CONTRACT Structural Engineering Principal-in-Charge	14. YEARS EXPERIENCE	
		a. TOTAL 36	b. WITH CURRENT FIRM 35

15. FIRM NAME AND LOCATION (City and State)
Walter P. Moore and Associates, Inc., Tampa, Florida

16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science in Civil Engineering	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer: Florida #38364 and 11 Other States; NCEES #18759; Threshold Inspector Florida #0150
--	---

18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, etc.)
American Concrete Institute – Past President Suncoast Chapter; Florida Engineering Society; and Florida Institute of Consulting Engineers Board of Directors (Structural Director 2005-2010), (President 2014-2015)

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) Salvador Dali Museum, St. Petersburg, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2008	CONSTRUCTION (if applicable) 2010

a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm
 Richard Temple, P.E. was the Structural Engineering Principal-in-Charge for this new iconic 66,400 square foot, four-story museum. The building has an extensive free-form glazing system, a helical grand staircase running up the center of the building from the ground floor to the galleries 30 feet above on the 3rd floor, skylights, rooftop passive solar energy system, museum store, and a café that leads to a garden. The structure was designed to withstand 165 mph winds. Storm doors shield the galleries on the 3rd floor and the 2nd floor vault, above the nearly 30' storm surge of a category 5 hurricane. Structural engineering and threshold inspection services. Construction cost: \$36 million.

(1) TITLE AND LOCATION (City and State) Research Facility for SRI International, St. Petersburg, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010	CONSTRUCTION (if applicable) 2010

b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm
 Richard Temple, P.E. was the Structural Engineering Principal-in-Charge for this new 36,500 square foot state-of-the-art laboratory and research facility includes secure laboratory space, offices, conference rooms, and a break room, restrooms with lockers and showers, and miscellaneous space for marine research operations. The 2,300 square foot marine operations lab contains a mobile five ton crane support by the 2nd floor structure. Construction cost: \$8.6 million.

(1) TITLE AND LOCATION (City and State) Signature Place, St. Petersburg, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2009	CONSTRUCTION (if applicable) 2009

c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm
 Richard Temple, P.E. was the Structural Engineering Principal-in-Charge for the 35-story luxury high-rise condominium tower with 221 units. The tower features 429,000 SF of residential housing, 40,000 SF of office space, 15,000 SF of retail space and a five-story parking garage for 560 cars adjacent to the tower. The structural system is comprised of an 8" thick mild reinforced concrete slab. The office space has 8" post tensioned slabs. The garage is framed with post-tensioned beams and slabs. The foundation has drilled piers 3 to 5 feet in diameter by 70 to 100 feet long. Construction cost: \$135 million.

(1) TITLE AND LOCATION (City and State) Sundial, St. Petersburg, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION (if applicable) 2014

d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm
 Richard Temple, P.E. was the Structural Engineering Principal-in-Charge for the renovation of the Baywalk Center in downtown St. Petersburg. The new complex is called Sundial. The project included: 1) a new sundial and fountain; 2) an addition to the 2nd floor on the interior sides of the existing complex; 3) addition of a new floor area with the Plaza and Terrace on two wings; 4) addition of four new towers to the front of the complex's 2½ stories; 5) demolition of mansard roofs and rebuilding them; 6) a new skywalk between Buildings B and C; 7) a new store front design in many areas and some new canopy roofs; 8) two new stairs and new elevator; and 8) replacing roof top units and adding new screens. Construction cost: \$8.7 million.

(1) TITLE AND LOCATION (City and State) Tampa Museum of Art, Tampa, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010	CONSTRUCTION (if applicable) 2010

e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm
 Richard Temple, P.E. was the Structural Engineering Principal-in-Charge for this new museum in downtown Tampa, adjacent to Curtis Hixon Waterfront Park along the banks of the Hillsborough River. The museum's long mass is split in half. A 3-level museum support space is located on the east half and consists of offices, conference rooms, storage, security, receiving, and a "flying balcony" overlooking Tampa's skyline. A 2-level public space is located on the west half and consists of a lobby, conference rooms, restaurant, souvenir store, grand stair case, double-story exhibit space, and a balcony overlooking the river and the great Florida sunsets. Construction cost: \$27 million.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each person)

12. NAME Aaron C. White, P.E.		13. ROLE IN THIS CONTRACT Structural Engineering Project Designer		14. YEARS EXPERIENCE	
				a. TOTAL 16	b. WITH CURRENT FIRM 16
15. FIRM NAME AND LOCATION (City and State) Walter P. Moore and Associates, Inc., Tampa, Florida					
16. EDUCATION (DEGREE AND SPECIALIZATION) Master of Engineering (Civil) Civil and Environmental Engineering Bachelor of Science, Civil and Environmental Engineering			17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer: Florida #58807		
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, etc.) American Society of Civil Engineers, Member; Structural Engineering Institute, Member; American Institute of Steel Construction, Member; 2003 New Faces of Civil Engineering, ASCE; and Articles: <i>Supporting Role, Modern Steel Construction</i>, August 2005 and <i>Creatively Collegiate, Panstadia</i>, November 2004					

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State) Miami Marlins Ballpark Retractable Roof, Miami, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2012	CONSTRUCTION (if applicable) 2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. White was the Structural Project Designer Engineer for the retractable roof of the new 17-acre Marlins Ballpark which seats approximately 37,000 under its three-panel roof. Three panels comprise the nearly 8,000 ton roof and span up to 560 feet. In the open position, the two lower panels nest underneath the wider upper panel after traversing over 500 feet from the closed position. The upper panel or one of the lower panels individually can be positioned anywhere over their length, acting as a moving sunshade for the concrete bowl and playing field below. In the closed position, the panels provide a watertight playing environment during thunderstorms, avoiding rainouts and in extreme circumstances; the roof can be locked down to the supporting track structure in order to endure hurricane winds. Construction cost: \$600 million.		
b.	(1) TITLE AND LOCATION (City and State) Orange County Convention Center Phase V, Orlando, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2003	CONSTRUCTION (if applicable) 2003
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. White was the Structural Engineering Project Engineer for this phase which added three million SF. Walter P Moore designed the elegant framing over the main entrances creating a beacon for visitors to the center. The project comprised of a 1,100' x 1,700' footprint which added one million SF of unobstructed exhibit hall space, 25 meeting rooms, 94 breakout rooms, 512,000 SF of public circulation, lobbies, pre-function space, concourses and 1,125,000 SF of back-of-house facilities. A 1,400' long exposed steel pedestrian bridge with integrated moving walkways connects the new expansion to the existing center to provide a colossal combined facility of seven million SF. Construction cost: \$748 million.		
c.	(1) TITLE AND LOCATION (City and State) Streamsong Resort, Bowling Green, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2013	CONSTRUCTION (if applicable) 2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. White was the Structural Engineering Project Designer for this new year-round resort offering an array of programs and amenities, including two world class 18-hole championship golf courses. This six-story, 198,000 SF lodge has 140 guest rooms of multiple types, five adjacent villas, spa, state-of-the-art conference center, a wide array of restaurant and dining selections, and a 22,000 SF clubhouse with spacious golf practice area and golf academy, plus other activities including hunting, fishing and outdoor sports. Construction cost: \$65 million.		
d.	(1) TITLE AND LOCATION (City and State) Centro Ybor Entertainment District, Tampa, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 1999	CONSTRUCTION (if applicable) 2000
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. White was the Structural Engineering Project Designer for this 210,000 SF leisure time complex in Tampa's downtown historic district which arose as a monument to the city's rich European heritage. This upscale retail, dining, and entertainment center is a two-level, structural steel frame with brick façade. Construction cost: \$45 million.		
e.	(1) TITLE AND LOCATION (City and State) Nielsen Media Research Center, Oldsmar, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2003	CONSTRUCTION (if applicable) 2003
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. White was the Structural Engineering Project Designer for this design-build 500,000 SF facility consisting of a 4-story office building, a 3-story technical services building with an attached mechanical courtyard, and a 1-story central energy plant. Phase II linked these buildings with a 4-story and a 3-story structure including a 1-story amenities dining facility. Construction cost: \$84 million.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(complete one Section E for each key person)

12. NAME Scott Robinson, PE, LEED AP	13. ROLE IN THIS CONTRACT Principal in Charge	14. YEARS EXPERIENCE	
		a. TOTAL 20	b. WITH CURRENT FIRM 18

15. FIRM NAME AND LOCATION (City and State)
Affiliated Engineers, Inc. Gainesville, FL

16. EDUCATION (DEGREE AND SPECIALIZATION) University of Florida Bachelor of Science Electrical Engineer 1987	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Professional Engineer, State of Florida
--	---

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Mr. Robinson brings over 20 years of facility design experience, including significant project work at large scale government institutions, research laboratories, and higher education campuses. This work includes 10 sustainable design LEED projects, where he has focused on energy conservation measures, renewable energy sources, and systems to provide measurement and verification of actual energy performance. Throughout the design process Mr. Robinson will work as the lead electrical engineer, providing design input and decision making based upon an extensive history of electrical systems design. He will be responsible for the development of accurate construction documents for the applicable electrical systems and see them through the construction process to ensure the quality of the installation and their proper operation at building occupancy.

19. RELEVANT PROJECTS

a. (1) TITLE AND LOCATION (City and State) UNF Science and Biology Building Jacksonville, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011-2012	CONSTRUCTION (If applicable) 2012

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm
Affiliated Engineers was the MEP/FP engineer for this project which consisted of the design of approximately 5,000 sf of renovated space. Specific challenges the design team addressed were the corrosive nature of the marine (salt water) environment, 100% outside air requirement for the labs in a high humidity area and limited structural capacity remaining on the roof to locate equipment.
Size: 116,500 S.F. Cost: \$39 million Role: Principle in Charge

b. (1) TITLE AND LOCATION (City and State) F- Fort Myers, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2008-2009	CONSTRUCTION (If applicable) 2009

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm
A.
Size: 60,000 S.F. Cost: \$16 million. Role: Mechanical Engineer

c. (1) TITLE AND LOCATION (City and State) U- Jacksonville, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011-2012	CONSTRUCTION (If applicable) 2012

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm
T-
Size: 116,500 S.F. Cost: \$39 million Role: Mechanical Engineer

d. (1) TITLE AND LOCATION (City and State) FAU Harbour Branch Institute Marine Science Facility Ft Pierce, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2004-2007	CONSTRUCTION (If applicable) 2007

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
 The Florida Atlantic University (FAU)/Harbor Branch Oceanographic Institution (HBOI) Partnership provides an extraordinary combination of location, personnel and facilities for training marine sciences to undergraduate and graduate students. To meet growing educational needs and to address the rapidly increasing challenges faced in Florida's coastal environment, a 42,000 SF Marine Science Facility was located on a Greenfield site at the HBOI campus in Ft. Pierce, Florida.
Size: 42,000 S.F. Cost: \$7.4 million Role: Mechanical Engineer

e.	(1) TITLE AND LOCATION <i>(City and State)</i> FAU Engineering Building Boca Raton, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2007-2011	CONSTRUCTION (If applicable) 2011

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
 The building will house the engineering and computer science school. The facility program includes teaching and research laboratories, a lecture hall and classrooms, administrative and student office spaces, and building services spaces. The building includes many state-of-the art technologies to help achieve LEED Platinum status including photovoltaics, 'Smart' lighting control systems, and overall energy use reduction to achieve 50% energy below ASHRAE baseline standards.
Size: 93,000 S.F. Cost \$34 million. Role: Mechanical Engineer

f.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm

g.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm

h.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(complete one Section E for each key person)

12. NAME James Tatone, PE, LEED AP	13. ROLE IN THIS CONTRACT Project Manager/Electrical Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 28	b. WITH CURRENT FIRM 18

15. FIRM NAME AND LOCATION (City and State)
Affiliated Engineers Inc Tampa, FL

16. EDUCATION (DEGREE AND SPECIALIZATION) University of Florida Bachelor of Science Electrical Engineer 1996	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Professional Engineer, State of Florida
--	---

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Mr. Tatone has more than 28 years of electrical experience with local, state, and federal agencies and private industry. His experience prior to AEI was as a master electrician which included the installation and startup of electrical power distribution systems, emergency distribution systems (generators, transfer switches, and UPS), and fire alarm systems. His experience at AEI includes numerous projects related to science and technology facilities in addition to renewable energy projects including solar photovoltaic systems. As a project manager for the MEP engineering scope, Mr. Tatone understands the critical nature of developing early scope documentation to verify the project program, budget, and schedule. With MEP typically accounting for up to 40% of the project costs, his team will be highly engaged from the onset of design and work proactively to develop a Basis of Design (BOD) that is carefully crafted to balance the requirements for building performance and available funding.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) USF Sarasota Mote Marine Laboratory Sarasota, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012-2013	CONSTRUCTION (If applicable) 2013

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm
Affiliated Engineers was the MEP / FP engineer for this project which consisted of the design of approximately 4,855 square feet of renovated space. Specific challenges the design team addressed were the corrosive nature of the marine (salt water) environment, 100% outside air requirement for the labs in a high humidity area and limited structural capacity remaining on the roof to locate equipment. The design addressed these challenges and included:

- Demolition of existing split system, direct expansion (DX) units
- A new HVAC system consisting of:
 - Custom air handling unit designed to fit into an existing space on adjacent to the labs
 - Rooftop DX condensing unit
 - Variable air volume (VAV) distribution
 - Fume exhaust system to serve fume hoods and snorkels
 - Electric heating
- The electrical service capacity was studied to the conclusion that the additional load of the new laboratory program could be accommodated by the existing electrical distribution equipment.
- An automatic transfer switch (ATS) was included to provide capabilities to connect a future (or temporary) generator wired to serve critical refrigerators, freezers and incubators.
- Natural gas was provided to the lab benches per program requirements.

Size: 5,000 S.F. Cost: \$1.5 million Role: Project Manager/Electrical Engineer

(1) TITLE AND LOCATION (City and State) FGCU Academic Building 7 Fort Myers, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2008-2009	CONSTRUCTION (If applicable) 2009

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm
Affiliated Engineers provided MEP/FP and commissioning services incorporating and designing several distinctive features within this facility. The building is certified LEED Platinum and the first Florida university (academic/lab) building to achieve this honor. The facility is used by the College of Arts & Sciences (CAS) for teaching and state-of-the-art research. The first floor includes an advising suite, math lab, computer classroom, a lecture hall, and two classrooms. The second floor has two classrooms for physics and biology, faculty offices, and two lab classrooms. Two scale up classrooms for marine science and chemistry, BSL-3 lab, cell, histology, and DNA on the third floor. The fourth floor is a dean's suite with analytical chemistry, marine research labs, and faculty offices.
Size: 60,000 S.F. Cost: \$16 million. Role: Electrical Engineer

(1) TITLE AND LOCATION (<i>City and State</i>) SPC Math, Science and College of Education Building Clearwater, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2006-2008	CONSTRUCTION (If applicable) 2010
c. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Mr. Tatone was the Electric Engineer for this two-story, 58,600 SF building with laboratory spaces for marine biology, geology, organic chemistry, physics, and anatomy/physiology. In addition support areas are provided for faculty, computer labs, and math labs. This project achieved LEED Gold. Size: 58,600 S.F. Cost: \$17 million Role: Electrical Engineer	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (<i>City and State</i>) FGCU Engineering Building Ft Myers, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2006-2007	CONSTRUCTION (If applicable) 2009
d. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Mr. Tatone was Electrical Engineer of Record for the construction of a new teaching facility serving programs in bioengineering, civil Engineering, electrical Engineering, and environmental engineering. Spaces include classrooms, lecture labs, scale-up labs, engineering studios, computer labs, mechanical workshop, high bay structures lab, and wet lab research space – in addition to administrative offices and conference areas. Size: 70,000 S.F. Cost: \$19 million Role: Electrical Engineer	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (<i>City and State</i>) SRI Marine Technology Building St Petersburg, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2007-2010	CONSTRUCTION (If applicable) 2010
e. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE AEI provided MEP/FP/IT, commissioning, energy modeling, instrumentation and controls design, and security services for the detailed design, preparation of contract documents, permitting, and bidding for a 40,000 SF state-of-the-art leased facility for SRI International and the City of St. Petersburg. The building is located on a wharf in downtown St. Petersburg. SRI staff specialize in the study of surface and subsurface marine environments including experiments, research, development, deployment, and operations of advanced sensors and their systems, including research and engineering in optics, acoustics, MEMS, mass spectrometry, and related marine sciences related to the maritime industry and port security. Size: 40,000 S.F. Cost \$13 million. Role: Electrical Engineer	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (<i>City and State</i>) USF Natural Environmental Sciences Building Tampa, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2002-2003	CONSTRUCTION (If applicable) 2005
f. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Mr. Tatone was the Electrical Engineer for this project that was completed for the College of Arts and Sciences, serving the departments of Chemistry, Geology, and Environmental Sciences. The three-story building consists of 59,000 GSF of offices, classrooms, support space and wet and dry research labs, dry teaching labs, which are all to be designed for flexibility. Size: 59,000 S.F. Cost \$11 million. Role: Electrical Engineer	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (<i>City and State</i>) The Scripps Research Institute West Palm Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2004-2005	CONSTRUCTION (If applicable) 2008
g. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE AEI provided full MEP/IT services. The 350,000 SF, predominantly three-story complex of interdisciplinary research facilities support the three-prong mission of the Institute: Drug Discovery (Building A [100,000 GSF]) includes a robotics suite; Administration and Advanced Technologies (Building B [118,000 GSF]); and the Biomedical Research (Building C). Building C (total of 130,000 GSF) has the vivarium (70,000 SF) with a total of 128,000 SF of research laboratory space throughout the three buildings. To preserve the look of Building B, the center piece of the three buildings, AEI led the efforts to consolidate the steam, heating hot water, and chilled-water production into central utility plants located in Buildings A and C. Size: 350,000 S.F. Cost \$112 million. Role: Electrical Engineer	<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(complete one Section E for each key person)

12. NAME Daniel Cesar, PE	13. ROLE IN THIS CONTRACT Mechanical Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 12	b. WITH CURRENT FIRM 11

15. FIRM NAME AND LOCATION (City and State)
Affiliated Engineers, Inc. Tampa, FL

16. EDUCATION (DEGREE AND SPECIALIZATION) University of Florida Bachelor of Science Mechanical Engineer 2003	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Professional Engineer, State of Florida
--	---

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Mr. Cesar is a Mechanical Engineer with over twelve years of experience. He has extensive experience in the analysis and design of numerous types of central HVAC systems for healthcare, commercial and institutional facilities. Mr. Cesar has passion for service and understanding client needs. His projects have a track record of meeting scope schedule and budget. Mr. Cesar pays close attention to maintainability, flexibility, scalability, and sustainability of his project's design. Mr. César's mechanical system design experience includes primary air handling systems with air-to-air heat recovery, chilled water and hot water generation and distribution systems, humidification and controls/ building automation systems (BAS). His experience with flexible building design includes planning and design of standby and redundant fans/pumps, air handling units with Fan Wall Technology™, large built-up air handling equipment, and design of numerous custom air handlers. His air distribution experience encompasses many systems such as dual duct, constant and variable volume, terminal reheat, high/medium/low pressure duct systems and special exhaust such as TB, fumes exhaust, grease hoods, and engineered smoke control systems.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) USF Sarasota Mote Marine Laboratory Sarasota, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012-2013	CONSTRUCTION (If applicable) 2013

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm
Affiliated Engineers was the MEP / FP engineer for this project which consisted of the design of approximately 4,855 square feet of renovated space. Specific challenges the design team addressed were the corrosive nature of the marine (salt water) environment, 100% outside air requirement for the labs in a high humidity area and limited structural capacity remaining on the roof to locate equipment. The design addressed these challenges and included:

- Demolition of existing split system, direct expansion (DX) units
- A new HVAC system consisting of:
 - Custom air handling unit designed to fit into an existing space on adjacent to the labs
 - Rooftop DX condensing unit
 - Variable air volume (VAV) distribution
 - Fume exhaust system to serve fume hoods and snorkels
 - Electric heating
- The electrical service capacity was studied to the conclusion that the additional load of the new laboratory program could be accommodated by the existing electrical distribution equipment.
- An automatic transfer switch (ATS) was included to provide capabilities to connect a future (or temporary) generator wired to serve critical refrigerators, freezers and incubators.
- Natural gas was provided to the lab benches per program requirements.

Size: 5,000 S.F. Cost: \$1 million Role: Mechanical Engineer

(1) TITLE AND LOCATION (City and State) USF Interdisciplinary Science Teaching and Research (ISA) Building Tampa, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2008-2010	CONSTRUCTION (If applicable) 2012

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm
Mr. Cesar was the Mechanical Engineer for the 8-story, 238,500 SF facility. The building includes teaching labs, research labs, and office spaces all organized around a central atrium and two 300-seat lecture halls. Interdisciplinary research scientists and doctoral students will collaborate on a variety of pressing issues, such as finding a cure for antibiotic resistant bacterial infections, creating renewable and clean energy, developing new cancer treatments through nanomedicine, looking for new treatments for Alzheimer's disease, and advancing the next generation of sensor technologies. The project included campus utility infrastructure planning for chilled water, hot water, power, and technology distribution systems.
Size: 240,000 S.F. Cost: \$69 million. Role: Mechanical Engineer

<p>(1) TITLE AND LOCATION <i>(City and State)</i> FIU Science Classroom Complex (SCC) Miami, FL</p>	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2010-2013		CONSTRUCTION (If applicable) 2013
<p>c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Affiliated Engineers provided MEP services for this new 137,500 SF five-story facility that supports the growing enrollment and expanding science programs needed for science-specific classrooms, teaching laboratories, graduate study spaces, and research spaces. The complex will provide specialized classrooms for science, a large lecture hall, breakout rooms that facilitate large instructional needs, flexible research space, vivarium, BSL2 labs, study rooms for graduate student cubicles, offices, media rooms, and student gathering spaces that promote collaborative work-. Size: 137,500 S.F. Cost: \$42 million Role: Mechanical Engineer</p>	<input checked="" type="checkbox"/> Check if project performed with current firm		
<p>(1) TITLE AND LOCATION <i>(City and State)</i> FAU Harbour Branch Institute Marine Science Facility Ft Pierce, FL</p>	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2004-2007		CONSTRUCTION (If applicable) 2007
<p>d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE The Florida Atlantic University (FAU)/Harbor Branch Oceanographic Institution (HBOI) Partnership provides an extraordinary combination of location, personnel and facilities for training marine sciences to undergraduate and graduate students. To meet growing educational needs and to address the rapidly increasing challenges faced in Florida’s coastal environment, a 42,000 SF Marine Science Facility was located on a Greenfield site at the HBOI campus in Ft. Pierce, Florida. Size: 42,000 S.F. Cost: \$7.4 million Role: Mechanical Engineer</p>	<input checked="" type="checkbox"/> Check if project performed with current firm		
<p>(1) TITLE AND LOCATION <i>(City and State)</i> FAU Engineering Building Boca Raton, Florida</p>	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2007-2011		CONSTRUCTION (If applicable) 2011
<p>e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mr. Cesar was the Mechanical Engineer for a new 5-story 93,000 SF building. The building will house the engineering and computer science school. The facility program includes teaching and research laboratories, a lecture hall and classrooms, administrative and student office spaces, and building services spaces. The building includes many state-of-the art technologies to help achieve LEED Platinum status including photovoltaics, ‘Smart’ lighting control systems, and overall energy use reduction to achieve 50% energy below ASHRAE baseline standards. Size: 93,000 S.F. Cost \$34 million. Role: Mechanical Engineer</p>	<input checked="" type="checkbox"/> Check if project performed with current firm		
<p>(1) TITLE AND LOCATION <i>(City and State)</i> UCF College of Medicine Orlando, FL</p>	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2007-2010		CONSTRUCTION (If applicable) 2010
<p>f. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE The UCF Health Sciences Campus at Lake Nona is a state-of-the-art medical, biomedical, and research complex. AEI provided MEP/FP/IT services for a four-story, 170,000 GSF College of Medicine (COM) building. This facility is the first building for the complex, located remote from the UCF main campus. It combines the programmatic functions, medical instructional spaces with a medical library, into a grand scale LEED silver signature building that is the cornerstone for the master-planned medical campus. The COM building includes state-of-the art learning centers, including: <ul style="list-style-type: none"> • Clinical Skills and Simulation Center, • Anatomy lab (ceiling-mounted computer terminals with 32” finger-touch screens (first to be used in the world), • Microscopy lab (5,300 SF), • Harriet F. Ginsburg Health Sciences Library, and • Lecture halls Size: 170,000 S.F. Cost \$63 million. Role: Mechanical Engineer</p>	<input checked="" type="checkbox"/> Check if project performed with current firm		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(complete one Section E for each key person)

12. NAME Bruce D. Stankovitch, PE, LEED AP	13. ROLE IN THIS CONTRACT Plumbing/Fire Protection Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 15	b. WITH CURRENT FIRM 6

15. FIRM NAME AND LOCATION (City and State)
Affiliated Engineers, Inc. Tampa, FL

16. EDUCATION (DEGREE AND SPECIALIZATION) University of South Florida Bachelor of Science Mechanical Engineer 1998	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Professional Engineer, State of Florida
--	---

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Mr. Stankovitch is a Water Efficiency Expert, Piping Engineer and Mechanical Engineer with 15 years of experience in design and engineering. He has a broad background in the design of systems for higher education facilities as well as industrial, education, government, institutional and commercial industries. Mr. Stankovitch is a LEED Accredited Professional and is an expert in energy efficient strategies for the plumbing discipline. He is designing research and diagnostic laboratory facilities and has executed well over a 500,000 SF. His facilities include: public and private entities, and academic research centers and institutes.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) USF Sarasota Mote Marine Laboratory Sarasota, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012-2013	CONSTRUCTION (If applicable) 2013

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm
Affiliated Engineers was the MEP / FP engineer for this project which consisted of the design of approximately 4,855 square feet of renovated space. Specific challenges the design team addressed were the corrosive nature of the marine (salt water) environment, 100% outside air requirement for the labs in a high humidity area and limited structural capacity remaining on the roof to locate equipment. The design addressed these challenges and included:

- Demolition of existing split system, direct expansion (DX) units
- A new HVAC system consisting of:
 - Custom air handling unit designed to fit into an existing space on adjacent to the labs
 - Rooftop DX condensing unit
 - Variable air volume (VAV) distribution
 - Fume exhaust system to serve fume hoods and snorkels
 - Electric heating
- The electrical service capacity was studied to the conclusion that the additional load of the new laboratory program could be accommodated by the existing electrical distribution equipment.
- An automatic transfer switch (ATS) was included to provide capabilities to connect a future (or temporary) generator wired to serve critical refrigerators, freezers and incubators.
- Natural gas was provided to the lab benches per program requirements.

Size: 5,000 S.F. Cost: \$1.5 million Role: Plumbing/Fire Protection Engineer

(1) TITLE AND LOCATION (City and State) FGCU Academic Building 7 Fort Myers, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2008-2009	CONSTRUCTION (If applicable) 2009

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm
Affiliated Engineers provided MEP/FP and commissioning services incorporating and designing several distinctive features within this facility. The building is certified LEED Platinum and the first Florida university (academic/lab) building to achieve this honor. The facility is used by the College of Arts & Sciences (CAS) for teaching and state-of-the-art research. The first floor includes an advising suite, math lab, computer classroom, a lecture hall, and two classrooms. The second floor has two classrooms for physics and biology, faculty offices, and two lab classrooms. Two scale up classrooms for marine science and chemistry, BSL-3 lab, cell, histology, and DNA on the third floor. The fourth floor is a dean's suite with analytical chemistry, marine research labs, and faculty offices.
Size: 60,000 S.F. Cost: \$16 million. Role: Plumbing/Fire Protection Engineer

(1) TITLE AND LOCATION <i>(City and State)</i> UNF Science and Biology Building Jacksonville, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011-2012	CONSTRUCTION (If applicable) 2012
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE The facility is a four-story, 116,500 SF Teaching and Research Facility with the Coastal Biology Program as the flagship of the department. The facility supports studies in aquatics, virology, ecology, genetics, physiology, molecular biology and cell biology. The facility achieved LEED (Gold) certification, with the MEP design contributing to the 30% reduction in energy consumption and a 49% reduction in water use (achieving an additional design innovation credit). The 17 teaching labs are programmed for 24 students using a 1,280 SF laboratory planning module. The 27 research labs, including aquatic labs with saltwater tanks, are programmed using a 640 SF planning module. The aquatic area is supported by a central 6,000 gal saltwater tank and a necropsy lab sized to accommodate large marine animals up to 10' long and 2,000 lbs. Size: 116,500 S.F. Cost: \$39 million Role: Plumbing/Fire Protection Engineer	<input checked="" type="checkbox"/> Check if project performed with current firm	
d. (1) TITLE AND LOCATION <i>(City and State)</i> USF Science and Technology Building St Petersburg, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2007-2009	CONSTRUCTION (If applicable) 2009
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mr. Stankovitch provided support during the construction phase and assisted the owner with providing a high purity water system. This multi-function, multi-use facility includes research and instructional labs, faculty offices, computer classrooms, general academic and study rooms. This facility is a two-story structure of about 40,000 GSF and incorporated green building design concepts that resulted in achieving LEED (Gold) certification. Size: 40,000 S.F. Cost: \$9 million Role: Plumbing/Fire Protection Engineer	<input checked="" type="checkbox"/> Check if project performed with current firm	
e. (1) TITLE AND LOCATION <i>(City and State)</i> FAU Engineering Building Boca Raton, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2007-2011	CONSTRUCTION (If applicable) 2011
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mr Stankovitch assisted with the engineering design of the solar hot water system, the condensate harvesting system, and the engineering on display feature for a new 5-story 93,000 SF building. The building will house the engineering and computer science school. The facility program includes teaching and research laboratories, a lecture hall and classrooms, administrative and student office spaces, and building services spaces. The building includes many state-of-the art technologies to help achieve LEED Platinum status including photovoltaics, 'Smart' lighting control systems, and overall energy use reduction to achieve 50% energy below ASHRAE baseline standards. Size: 93,000 S.F. Cost \$34 million. Role: Plumbing/Fire Protection Engineer	<input checked="" type="checkbox"/> Check if project performed with current firm	
f. (1) TITLE AND LOCATION <i>(City and State)</i> USF Interdisciplinary Science Teaching and Research (ISA) Building Tampa, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2008-2010	CONSTRUCTION (If applicable) 2012
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mr. Stankovitch was the Piping / Fire Protection Engineer during the commissioning phase services for the 8-story, 238,500 SF facility. The building includes teaching labs, research labs, and office spaces all organized around a central atrium and two 300-seat lecture halls. Interdisciplinary research scientists and doctoral students will collaborate on a variety of pressing issues, such as finding a cure for antibiotic resistant bacterial infections, creating renewable and clean energy, developing new cancer treatments through nanomedicine, looking for new treatments for Alzheimer's disease, and advancing the next generation of sensor technologies. The project included campus utility infrastructure planning for chilled water, hot water, power, and technology distribution systems. Size: 240,000 S.F. Cost \$69 million. Role: Plumbing/Fire Protection Engineer	<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(Complete one Section E for each key person.)



12. NAME Timothy P. Mason, P.E.	13. ROLE IN THIS CONTRACT Project Manager – Senior Coastal Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 20	b. WITH CURRENT FIRM 19

15. FIRM NAME AND LOCATION (City and State)
Applied Technology & Management, Inc., St. Augustine, FL

16. EDUCATION (DEGREE AND SPECIALIZATION) M.E., Coastal & Oceanographic Engineering, University of Florida, 1993 B.S., Ocean Engineering, Florida Atlantic University, 1991	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Civil Engineer, FL No. 74424, SC No. 18341, NC No. 029747, DE No. 12271
---	--

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Mr. Mason has nearly two decades of professional experience in coastal and waterfront engineering, development, and management projects, focusing on coastal and marina planning and feasibility evaluations, engineering, and environmental assessment. His experience includes all phases of project implementation: planning and feasibility, permitting, design, plans and specifications, tendering/bidding, construction, monitoring, and mitigation planning.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) St. Petersburg Pier Redevelopment Project, St. Petersburg, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable)
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Support engineer for ATM's coastal and marine planning engineering work. Reviewed wave study, geotech boring locations, fire suppression comments, lighting, boat dock layout, floating docks, kayak/canoe launching plans, reports and sub reports. ATM Fees: \$41,500	Check if project performed with current firm <input checked="" type="checkbox"/>	
(1) TITLE AND LOCATION (City and State) Carteret Waterfront Municipal Marina, Middlesex Co., NJ	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable)
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager and Principal Engineer for consulting services related to the Borough of Carteret's proposed 200 slip municipal marina facility on the Arthur Kill Waterway. ATM was retained to provide an evaluation of passing vessel effects (both drawdown and vessel wakes) which could affect the floating docks and patrons of the facility, in response to concerns raised by the regulatory agencies and commercial shipping interests due to the high volume of commercial traffic on the waterway. Drawdown effects were numerically modeled for the proposed facility using the MIKE 3 model. The model was validated under existing conditions with field data collected by others at the project site. A desktop wake analysis was completed, followed by an evaluation of the marina layout with recommendations to reduce potential wave impacts inside the basin. A review of comparable facilities and safety and marina operations policies, related to vessel ingress and egress to maximize boater safety, were developed. ATM Fees: \$134,300	Check if project performed with current firm <input checked="" type="checkbox"/>	
(1) TITLE AND LOCATION (City and State) Harbor Island at Marsh Landing Bulkhead Improvements, Ponte Vedra, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012-2013	CONSTRUCTION (If applicable)
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project manager/lead engineer, supported the Harbour Island HOA with a condition assessment and recommendations for repairs and maintenance of a 5,800 ft steel sheetpile bulkhead along the Intracoastal Waterway. Coordinated field investigations (geotechnical and as-built survey) and developed preliminary repair plans and cost estimates. Prepared bid documents for repair work, processed permit approvals, and reviewed potential impacts of maintenance dredging on the bulkhead. ATM Fees: \$13,900	Check if project performed with current firm <input checked="" type="checkbox"/>	
(1) TITLE AND LOCATION (City and State) City Marina Redevelopment, Charleston, SC	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2000-2013	CONSTRUCTION (If applicable)
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Developed project plans and specifications, bid documents, and assisted Owner with bidding for an expansion including floating docks and floating 20' wide wave attenuator. Berthing design included 40-60' vessels on interior docks, and berths for transient megayachts to 200 feet LOA on the attenuator. Prepared wind-wave analysis and worked with Owner to determine final design conditions. Continued consulting support during construction phase, which included high speed in-slip fuel delivery system. Have provided assorted marina services for City marina since 2000. ATM Fees: N/A	Check if project performed with current firm <input checked="" type="checkbox"/>	
(1) TITLE AND LOCATION (City and State) Bluff Point Marina, Northumberland County, VA	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2009-2013	CONSTRUCTION (If applicable)
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided waterfront consulting to the development team for an 898 acre residential and resort property along the Chesapeake Bay. Specific tasks included coastal erosion and protection feasibility evaluation, as well as marina planning and conceptual level design to support county zoning applications and future state and federal permitting. Project elements included an interior marina basin, shoreline stabilization, 5000+ ft dredged entrance channel, 100-slip floating slip marina, and 120+ berth dry storage facility. ATM Fees: \$99,000	Check if project performed with current firm <input checked="" type="checkbox"/>	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT - STORMWATER
(Complete one Section E for each key person.)



12. NAME Steven J. Peene, Ph.D.	13. ROLE IN THIS CONTRACT Water Resources – Hydrodynamic Modeling	14. YEARS EXPERIENCE	
		a. TOTAL 30	b. WITH CURRENT FIRM 19

15. FIRM NAME AND LOCATION (City and State)
Applied Technology and Management, Inc., Tallahassee, FL

16. EDUCATION (DEGREE AND SPECIALIZATION)
Ph.D., Coastal and Oceanographic Engineering, University of Florida, 1995
M.S., Coastal and Oceanographic Engineering, University of Florida, 1987
B.S., Civil Engineering, Lehigh University, 1982

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Dr. Peene has experience in water resources analysis including watershed planning, evaluation of non-point and point source pollution in surface water systems, hydrologic and water quality modeling for lakes, rivers, estuaries, coastal embayments and offshore, evaluation of impacts to ecological resources in surface waters, and design and implementation of hydrodynamic and water quality monitoring in surface water systems. He has been involved in the national and local evaluation of impacts to surface waters including development of Total Maximum Daily Loads (TMDL), Environmental Impact Assessments (EIA), and Ecosystem Restoration Projects. Dr. Peene is a member of Water Environment Federation, Florida Stormwater Association, and Southeast Stormwater Association.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Old Tampa Bay Hydrodynamic Model Development, Tampa, FL	2012 - 2014	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE a. Project Manager in charge of the development of a hydrodynamic model of Tampa Bay with specific focus on Old Tampa Bay (OTB). The hydrodynamic model is part of an overall modeling system which includes a watershed model, receiving water quality model, and ecological resource assessment models. The modeling system will be utilized to assess the potential impacts of projects to restore seagrasses within OTB. ATM Fees: \$139,559		
Check if project performed with current firm <input checked="" type="checkbox"/>		
TMDL Support for Hillsborough County, FL	2010 - 2013	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE b. Principal in Charge for the development of a countywide TMDL plan to address issues raised by recent TMDLs proposed by FDEP and EPA. Worked with the County to develop technical comments to draft TMDLs and represented the County at FDEP hearings. Recently successful in putting in abeyance Rulemaking by FDEP for a TMDL on Baker Creek/Mill Creek which identified unreasonable load reductions that would have impacted the County. ATM Fees: \$48,056		
Check if project performed with current firm <input checked="" type="checkbox"/>		
Taylor Creek Marina, FL	2006	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE c. Project Manager for development of hydrodynamic and water quality assessments for Taylor Creek Marina on Taylor Creek, a tributary to Lake Okeechobee. Taylor Creek at that time was identified as an impaired waterway. Helped in the determination of potential impacts of the proposed marina, also evaluated potential improvements to overall phosphorus loading to be achieved through upland stormwater improvements to the adjacent lands. ATM Fees: \$44,620		
Check if project performed with current firm <input checked="" type="checkbox"/>		
Gulfport Marina, FL	2009	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE d. Worked on development of a hydrodynamic and water quality model (EFDC and WASP7) to determine the potential effects (to hydrodynamic flushing and dissolved oxygen) of a proposed marina expansion project near Clearwater, Florida. ATM Fees: \$39,684		
Check if project performed with current firm <input checked="" type="checkbox"/>		
TMDL/BMAP/NPDES Support for FDOT, FL	2009-2014	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE e. Principal in Charge for continuing services contract with FDOT to provide support statewide on TMDL, NPDES, and water quality issues. Specific work includes assessment and technical review of potential water body impairment listing impacting FDOT, assessment and review of TMDLs potentially impacting FDOT, assessment and technical review of BMAP allocations through TMDL implementation to assure load reductions assigned to FDOT are fair and equitable, development of alternative TMDLs and BMAP allocations, coordination and interaction with FDEP and EPA on behalf of FDOT, and review and comments on proposed water quality regulations that may impact FDOT, including specific work on numeric nutrient criteria (NNC). ATM Fees: > \$1,500,000		
Check if project performed with current firm <input checked="" type="checkbox"/>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(Complete one Section E for each key person.)



12. NAME Peter C. Peterson, P.E.	13. ROLE IN THIS CONTRACT Coastal & Marine Engineering	14. YEARS EXPERIENCE	
		a. TOTAL 21	b. WITH CURRENT FIRM 18

15. FIRM NAME AND LOCATION (City and State)
Applied Technology & Management, Inc., Melbourne Beach, FL

16. EDUCATION (DEGREE AND SPECIALIZATION) M.S., Ocean Engineering B.S., Mechanical Engineering	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer, Florida, No. 49294, 1995 Professional Engineer, Wisconsin, No. 31639, 1996 Prof. Engineer, Virginia, No. 0402 037891, 2002 Professional Engineer, Texas, No. 98182, 2006
--	--

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Mr. Peterson has over 20 years of experience with coastal structures, tidal and current studies, and marine construction. Affiliations include: American Society of Civil Engineers, Marine Technology Society, Searle Consortium - Worldwide Maritime Consultancy, States Organization for Boating Access, Bahamas Engineering Society

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project engineer responsible for the marina portion of the pier redevelopment. Completed basic site analysis, existing conditions surveys and conceptual layouts for docks and wave attenuation structures. ATM Fees: \$41,500	2012-2013	
(1) TITLE AND LOCATION (City and State) St. Pete Pier Redevelopment Project, St. Petersburg, FL	Check if project performed with current firm <input checked="" type="checkbox"/>	
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager/Engineer for design and permitting of a floating dock for connection to the existing Vilano pier. The project is funded through a FIND grant and is intended to provide water connectivity between downtown St. Augustine, the Vilano Town Center, and St. Augustine Lighthouse. ATM Fees: \$26,400	2012	
(1) TITLE AND LOCATION (City and State) Vilano Pier & Dock, St. Johns County, FL	Check if project performed with current firm <input checked="" type="checkbox"/>	
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager/ engineer for the renovation of the City Municipal marina. Initial plans called for replacing the existing boat ramp and constructing a new ship store/office and replacing the underground storage tanks. Future plans call for complete renovation of the existing wet slips, and creating a new dry stack facility. ATM Fees: \$202,055	2008-2011	2011
(1) TITLE AND LOCATION (City and State) City of Madeira Beach Marina Redevelopment Project, FL	Check if project performed with current firm <input checked="" type="checkbox"/>	
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer for the permitting and design of a new breakwater to protect the existing marina and 50 slip expansion. Served as Project Engineer and Manager for design and construction of the 178 slip mooring field project. The mooring field was completed in 2010 and is fully operational. ATM Fees: \$82,415	2009-2010	2010
(1) TITLE AND LOCATION (City and State) Mooring Field and Breakwater/Dredging Permitting, City of St. Augustine, FL	Check if project performed with current firm <input checked="" type="checkbox"/>	
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Engineer responsible for the planning, permitting, development of construction and bid documents, preparation of opinion of costs, and bidding assistance/shop drawing review for additional floating docks and replacement of existing floating docks and hardware. Also performed wind/wave analysis study for dock design. ATM total fees: \$71,110	2011-2012	2012
(1) TITLE AND LOCATION (City and State) Mayport Boat Ramp and Dock Improvements, City of Jacksonville, FL	Check if project performed with current firm <input checked="" type="checkbox"/>	
f. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project engineer for the waterfront portion of the overall master plan redevelopment, including mooring field layout and planning, dock layouts and design and evaluation, and boardwalk structural elements. Evaluated the potential future needs of the City's waterfront district and associated amenities. ATM Fees: \$22,500	2008	
(1) TITLE AND LOCATION (City and State) City of Cocoa Waterfront Redevelopment Project, FL	Check if project performed with current firm <input checked="" type="checkbox"/>	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(Complete one Section E for each key person.)



12. NAME Robert H. Semmes, M.S.	13. ROLE IN THIS CONTRACT International Marina Consultant	14. YEARS EXPERIENCE	
		a. TOTAL 25	b. WITH CURRENT FIRM 25

15. FIRM NAME AND LOCATION (City and State)
Applied Technology and Management, Inc., Gainesville, FL

16. EDUCATION (DEGREE AND SPECIALIZATION)
M.S., Agricultural Engineering, University of Florida, 1988
B.S., Agricultural Operations Management, University of Florida, 1986

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Mr. Semmes has over 25 years of experience in waterfront planning and development projects. He specializes in marina development and revitalization, the extraordinary needs of megayacht harbors, financial performance projection modeling for modern luxury marina developments, marina market segmentation, specialty environmental issues related to port and harbor development, and ecosystem assessment, restoration, and mitigation. He is affiliated with the National Marine Manufacturers Association (NMMA), International Navigation Association (PIANC), and Society of Environmental Toxicology and Chemistry (SETAC)

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Marina Planning, Design, Engineering and Permitting Support Services, City of St Petersburg, FL	2013	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE a. Served as Project Manager and lead marina consultant for the marina, coastal engineering, and permitting services to the lead architect for the redevelopment of the St Petersburg Pier. Completed design basis documentation, marina layouts, marina schematic design, and other services related to the Pier marina and coastal engineering issues. Also served as architect's representative for state and federal permitting for the Pier demolition and redevelopment. ATM Fees: \$41,500		
Check if project performed with current firm <input checked="" type="checkbox"/>		
Bluff Point Waterfront Resort Development Planning, Cumberland, VA	2009	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE b. Assisted master planner with development of several alternative marina layouts for a planned low-impact development called Bluff Point. Marina plans included coordinating dock layouts with planned landside uses, maintenance of vistas, segregation of marina user segments, and optimization of available water space. Marina plans also included aesthetically pleasing arrangements. ATM Fees: \$99,000		
Check if project performed with current firm <input checked="" type="checkbox"/>		
Master Planning and Marina Management Plan, Friday Harbor Marina, Innisfil, Lake Simcoe, Ontario, Canada	2013-2014	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE c. Developed Marina Management Plan for a proposed new marina facility on Lake Simcoe, Ontario, Canada that included training plans, environmental protection procedures, emergency plans, dockage agreement, marinas rules and regulations, etc. that specifically utilizes marina documents already developed for lake environmental protection with special emphasis on the Ontario Clean Marine Practices Handbook. Additional services include marina layout optimization, programming of landside marina facilities, and development of utilities demand and expected loads. ATM Fees: \$230,545 – all services to date		
Check if project performed with current firm <input checked="" type="checkbox"/>		
Marina Upland Programming for Planned Improvements to Facility, Old Port Cove Holdings, Palm Beach, FL	2008	2008
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE d. Marina consultant for development of plans for the programming of new landside marina improvements including restaurants, parking, convenience store, office space, and other features. Developed plans and layouts in AutoCAD and conducted an on-site workshop and presentation to the staff at OPC Holdings. ATM Fees: \$22,000		
Check if project performed with current firm <input checked="" type="checkbox"/>		
Marina Planning, Permitting and Grant Services, Savannah City Lights Marina, Batson Cook Development, Savannah, GA	2013	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE e. Served as project manager for and completed marina master planning services working with client land planner for a proposed new inner basin marina facility on Hutchinson Island across from the historic downtown Savannah riverfront. Also developed first tier estimates of marina cost and submitted Tier 2 grant application for federal funding assistance for transient marina facilities (Boating Infrastructure Grant Program). ATM Fees: \$33,800		
Check if project performed with current firm <input checked="" type="checkbox"/>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Guillermo Madriz, PE	13. ROLE IN THIS CONTRACT Senior Structures Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 18	b. WITH CURRENT FIRM 16
15. FIRM NAME AND LOCATION <i>(City and State)</i> Kisinger Campo & Associates, Corp., Tampa, Florida			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i>		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i>	
<ul style="list-style-type: none"> BSCE, University of Costa Rica, 1994 ME, University of Florida, 1998 		<ul style="list-style-type: none"> Professional Engineer in Florida #57530 Professional Federation of Engineers and Architects, IC 7302 	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> American Society of Civil Engineers; Florida Institute of Consulting Engineers (FICE)			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> MAST ARM TRAFFIC SIGNALS FY 2012. CITY OF ST. PETE PROJECT NO. 12027-11	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2014 (ongoing)	CONSTRUCTION <i>(If applicable)</i> ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager. KCA performed the engineering design, construction documents and post design for the upgrade of multiple signalized intersections to mast arms traffic signals, ADA ramps and textured crosswalks. The design elements include the replacement of the existing strain poles signals to mast arm signals, the replacement of intersection ramps to meet ADA requirements, and the addition of textured crosswalks. All of the improvements are proposed within the City right of way.		
b.	(1) TITLE AND LOCATION <i>(City and State)</i> MAST ARM TRAFFIC SIGNALS FY 2013. CITY OF ST. PETE PROJECT NO. 13027-112	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2014 (ongoing)	CONSTRUCTION <i>(If applicable)</i> ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager. KCA performed the engineering design, construction documents and post design for the upgrade of multiple signalized intersections to mast arms traffic signals, ADA ramps and textured crosswalks. The design elements include the replacement of the existing strain poles signals to mast arm signals, the replacement of intersection ramps to meet ADA requirements, and the addition of textured crosswalks. All of the improvements are proposed within the City right of way.		
c.	(1) TITLE AND LOCATION <i>(City and State)</i> CENTRAL AVENUE OVER BOOKER CREEK - CHANNEL REINFORCEMENT & BRIDGE MAINTENANCE. CITY OF ST. PETE PROJECT NO. 13052-110	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2014 (ongoing)	CONSTRUCTION <i>(If applicable)</i> ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Structural engineer. KCA is assisting the CITY with engineering design and construction documents for permanent channel reinforcement scour countermeasures for Booker Creek under the Central Avenue Bridge and maintenance repairs to Bridge No. 157123. Design elements include refinement of the existing hydraulic model and design of an articulated block concrete reinforcement system with associated thickness, dimensions and toe-in depths, due to current scour critical channel conditions. All improvements are proposed within the City right of way. Maintenance elements include development of construction plans for concrete repairs including spall repair and crack injection to the bridge as well as cleaning and coating of the concrete handrail.		
d.	(1) TITLE AND LOCATION <i>(City and State)</i> 54th AVENUE SOUTH AND 31ST STREET SOUTH CITY OF ST. PETE PROJECT NO. 12027-212	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2014 (ongoing)	CONSTRUCTION <i>(If applicable)</i> ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Structural engineer. KCA is performing design services for the upgrade of signalized intersection. The scope is required to comply with the FDOT for funding of the improvements through the Local Agency Program (LAP). The design includes addition of designated right turn lane onto 31st St at the eastbound approach to the intersection and modifications to the existing medians. Transition of the two eastbound through lanes to accommodate the right turn lane are anticipated to be accommodated within 530 feet west of the intersection and 590 feet east of the intersection. The services to be provided under this Task Order include: 1. FDOT review and comment resolution for 25%, 90% and Final Phase Submittals; 2. Preparation of FDOT Specifications Package in accordance with LAP requirements; 3. Preparation of permit packages in accordance with LAP requirements; 4. Preparation of design plans in accordance with FDOT LAP Criteria; 5. Computation Book in accordance with FDOT Criteria & LAP requirements; 6. Assist City with Construction Bid Documents.		
e.	(1) TITLE AND LOCATION <i>(City and State)</i> MARTIN LUTHER KING JR. STREET OVER BOOKER CREEK BRIDGE EVALUATION. CITY OF ST. PETE PROJECT NO. 14081-110	(2) YEAR COMPLETED	
		PROFESSIONAL SVCS 2014	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm KCA is providing professional engineering services to perform Bridge Concept study for the replacement and/or rehabilitation of the Martin Luther King Jr. Street (MLK) Bridge over Booker Creek, Bridge No.: 157117. This project will address: a. Preparation of Bridge Concept Study (Includes Bridge Rehabilitation option), b. Investigation of Rehabilitation option alongside bridge replacement, c. Bridge hydraulic/scour analysis		

RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT *(Complete one Section E for each key person)*

12. NAME Christopher Meares, PE		13. ROLE IN THIS CONTRACT Project Manager		14. YEARS EXPERIENCE	
				a. TOTAL 16	b. WITH CURRENT FIRM 16
15. FIRM NAME AND LOCATION (City and State) Kisinger Campo & Associates, Corp., Tampa, Florida					
16. EDUCATION (DEGREE AND SPECIALIZATION) BSCE, University of South Florida (1999)			17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer in Florida #62955		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) American Society of Civil Engineers; FDOT Design Exception & Design Variation Workshop; FDOT Maintenance of Traffic-Advanced; Florida Institute of Consulting Engineers (FICE), Corporation					
19. RELEVANT PROJECTS					
	(1) TITLE AND LOCATION (City and State) MAST ARM TRAFFIC SIGNALS FY 2012. CITY OF ST. PETE PROJECT NO. 12027-11			(2) YEAR COMPLETED	
				PROFESSIONAL SERVICES 2014 (ongoing)	
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE firm Project Manager. KCA performed the engineering design, construction documents and post design for the upgrade of multiple signalized intersections to mast arms traffic signals, ADA ramps and textured crosswalks. The design elements include the replacement of the existing strain poles signals to mast arm signals, the replacement of intersection ramps to meet ADA requirements, and the addition of textured crosswalks. All of the improvements are proposed within the City right of way.			<input checked="" type="checkbox"/> Check if project performed with current	
	(1) TITLE AND LOCATION (City and State) MAST ARM TRAFFIC SIGNALS FY 2013. CITY OF ST. PETE PROJECT NO. 13027-112			(2) YEAR COMPLETED	
				PROFESSIONAL SERVICES 2014 (ongoing)	
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE firm Project Manager. KCA performed the engineering design, construction documents and post design for the upgrade of multiple signalized intersections to mast arms traffic signals, ADA ramps and textured crosswalks. The design elements include the replacement of the existing strain poles signals to mast arm signals, the replacement of intersection ramps to meet ADA requirements, and the addition of textured crosswalks. All of the improvements are proposed within the City right of way.			<input checked="" type="checkbox"/> Check if project performed with current	
	(1) TITLE AND LOCATION (City and State) 54th AVENUE SOUTH AND 31ST STREET SOUTH CITY OF ST. PETE PROJECT NO. 12027-212			(2) YEAR COMPLETED	
				PROFESSIONAL SERVICES 2014 (ongoing)	
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE firm Structural engineer. KCA is performing design services for the upgrade of signalized intersection. The scope is required to comply with the FDOT for funding of the improvements through the Local Agency Program (LAP). The design includes addition of designated right turn lane onto 31st St at the eastbound approach to the intersection and modifications to the existing medians. Transition of the two eastbound through lanes to accommodate the right turn lane are anticipated to be accommodated within 530 feet west of the intersection and 590 feet east of the intersection. The services to be provided under this Task Order include: 1. FDOT review and comment resolution for 25%, 90% and Final Phase Submittals; 2. Preparation of FDOT Specifications Package in accordance with LAP requirements; 3. Preparation of permit packages in accordance with LAP requirements; 4. Preparation of design plans in accordance with FDOT LAP Criteria; 5. Computation Book in accordance with FDOT Criteria & LAP requirements; 6. Assist City with Construction Bid Documents.			<input checked="" type="checkbox"/> Check if project performed with current	
	(1) TITLE AND LOCATION (City and State) 71 st Street/Belcher Road – Pinellas County, Florida			(2) YEAR COMPLETED	
				PROFESSIONAL SERVICES 2007	CONSTRUCTION (If applicable) 2013
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Roadway Engineer. Existing roadway is a two-lane undivided minor arterial with 11-foot travel lanes and roadside ditches. The majority of the existing roadway does not have sidewalks. Phase I included preparing a detailed traffic study for widening 71 st Street North (Belcher Road) from 38 th Avenue North to 54 th Avenue North from a two-lane undivided rural section to a three-lane urban section with bicycle lanes and sidewalks on both sides. The traffic study included three major signalized intersections.			<input checked="" type="checkbox"/> Check if project performed with current firm	
	(1) TITLE AND LOCATION (City and State) New Tampa Boulevard – Tampa, Florida			(2) YEAR COMPLETED	
				PROFESSIONAL SERVICES 2007	CONSTRUCTION (If applicable) 2013
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Roadway Engineer for the design of a 0.7-mile extension of New Tampa Boulevard to bridge I-75 and connect to the newly-built Commerce Boulevard. The purpose of the improvement is to provide a direct connection to Liberty Middle School and Freedom High School, City of Tampa parks, and other local businesses and residences. Sidewalks and pedestrian connections will ensure safe passage along the roadway and across the I-75 bridge.			<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(Complete one Section E for each key person.)

12. NAME Thomas J. Shaw, PE		13. ROLE IN THIS CONTRACT Structures Manager		14. YEARS EXPERIENCE	
				a. TOTAL 23	b. WITH CURRENT FIRM 15
15. FIRM NAME AND LOCATION (City and State) Kisinger Campo & Associates Corp, Tampa, Florida					
16. EDUCATION (DEGREE AND SPECIALIZATION) MSCE, University of Florida (1992) BSCE, New Mexico State University (1990)			17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer in Florida #50787 Professional Engineer in Georgia #32167 Professional Engineer in North Carolina #33118 Professional Engineer in South Carolina #25839 Professional Engineer in Virginia #0402 44356		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) American Segmental Bridge Institute; Florida Institute of Consulting Engineers (FICE); National Council of Examiners for Engineering & Surveying					
19. RELEVANT PROJECTS					
	(1) TITLE AND LOCATION (City and State) Municipal Pier Building Structure and Substructure Evaluation. CITY OF ST. PETE PROJECT NO. 12212-117		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2014 (ongoing)	CONSTRUCTION (If applicable) ongoing	
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer. KCA performed an inspection of the existing pyramid structure and the foundation elements associated with them and make recommendations to the City addressing the following key issues: 1. Utilize destructive testing to determine the actual condition of the critical connections in the steel structure for the inverted pyramid, 2. test for and determine the amount of active corrosion present, 3. Estimate the remaining service life of the building structure and the substructure, 4. Estimate the project cost associated with extending the service life of the building structure and the substructure an additional 75 years. KCA prepared a Summary of Finding Report for the upcoming procurement of the new Pier.				
b.	(1) TITLE AND LOCATION (City and State) I-275 Rehabilitation from Floribraska to Yukon Tampa, Florida		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2004	CONSTRUCTION (If applicable) 2007	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Structural Engineer for the design of concrete pavement rehabilitation and widening for four miles of I-275. This project included concrete pavement replacement, drainage rehabilitation, pavement widening, and safety improvements. The construction cost is \$15,381,000.				
c.	(1) TITLE AND LOCATION (City and State) US 17 Reconstruction and Widening Punta Gorda, Florida		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2004	CONSTRUCTION (If applicable) 2005	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Structural Engineer for the design of the widening of 4.5 miles of US 17. Design included roadways (two lane to six lane), drainage, permitting, TCP, three bridges, signing & pavement marking, utility coordination, and lighting. Project cost was \$15,300,000.				
d.	(1) TITLE AND LOCATION (City and State) I-4/I-275 Interchange Reconstruction Tampa, Florida		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2002	CONSTRUCTION (If applicable) 2006	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Structural Engineer for the design of a four-lane bridge over I-75 with two-lane approaches. The project included public involvement, permitting, wetland evaluation, landscaping, and the design of roadways, drainage, bridges, signing & pavement marking, and lighting. Construction cost is estimated to be \$85,000,000.				
e.	(1) TITLE AND LOCATION (City and State) SR 528 over the Indian River Brevard County, Florida		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2003	CONSTRUCTION (If applicable) 2006	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager and Senior Structural Engineer for the design of a 3,833-foot high-level bridge over the Indian River. The bridge serves as a vital east-west connector and evacuation route for the Atlantic barrier islands. The project construction cost is \$30,400,000.				

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Samuel L. Cullum, PE	13. ROLE IN THIS CONTRACT Structures Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 9	b. WITH CURRENT FIRM 5
15. FIRM NAME AND LOCATION <i>(City and State)</i> Kisinger Campo & Associates, Corp., Tampa, Florida			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i>		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i>	
<ul style="list-style-type: none"> MSCE, BSCE, University of Kentucky BS, Asbury College, Physical Science 		<ul style="list-style-type: none"> Professional Engineer in Florida #71034 	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> American Society of Civil Engineers; National Society of Professional Engineers (NSPE)			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> Central Ave over Booker Creek Channel Reinforcement and Bridge Maintenance City of St. Petersburg	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2014 ongoing	CONSTRUCTION <i>(If applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
As Structural Engineer on the project; design elements include refinement of the existing hydraulic model and design of an articulated block concrete reinforcement system with associated thickness, dimensions and toe-in depths, due to current scour critical channel conditions. All of the improvements are proposed within the City right of way. The maintenance elements include the development of construction plans for concrete repairs including spall repair and crack injection to the bridge as well as cleaning and coating of the concrete handrail.			
b.	(1) TITLE AND LOCATION <i>(City and State)</i> MLK St. over Booker Creek Bridge Evaluation City of St. Petersburg	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2014 ongoing	CONSTRUCTION <i>(If applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
As Structural Engineer on the project; performing Bridge Concept study for replacement and/or rehabilitation. The project will address: A. Preparation of a Bridge Concept Study including Bridge Rehabilitation option. B. Investigation of rehab option alongside bridge replacement. C. Bridge hydraulic/scour analysis.			
c.	(1) TITLE AND LOCATION <i>(City and State)</i> SR 60 (Courtney Campbell Causeway Multi Use Trail) from E. of BR #150138 to Pinellas/ Hillsborough County Line in Pinellas County	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Structural engineer. The existing access road on the south side of SR 60 will be demolished and replaced with a 12 foot wide shared use path. The project begin from east of Bridge 150138 (MP 6.376) and continues east to the Pinellas/Hillsborough County Line in Pinellas County. The project length is approximately 1.703 miles and will also include removing the eastbound right turn lane and westbound left turn lane at milepost 8.142 onto the existing vehicle access road. Vehicular access will be restricted to maintenance and emergency vehicles only. Additionally, minor seawall repair along the project limits will include shoreline stabilization, installing rubble riprap with bedding stone and filter fabric and repairing the existing seawall cap.			
d.	(1) TITLE AND LOCATION <i>(City and State)</i> SR 60 (Courtney Campbell Causeway Ben T. Davis Beach City of Tampa	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Structural engineer. The existing access road on the south side of SR 60 will be demolished and replaced with a 12 foot wide shared use path. The project begin from east of Bridge 150138 (MP 6.376) and continues east to the Pinellas/Hillsborough County Line in Pinellas County. The project length is approximately 1.703 miles and will also include removing the eastbound right turn lane and westbound left turn lane at milepost 8.142 onto the existing vehicle access road. Vehicular access will be restricted to maintenance and emergency vehicles only. Additionally, minor seawall repair along the project limits will include shoreline stabilization, installing rubble riprap with bedding stone and filter fabric and repairing the existing seawall cap.			
d.	(1) TITLE AND LOCATION <i>(City and State)</i> US 41 over the Alafia River FDOT Districts Seven/One, Hillsborough County	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
As Project Design Engineer, developed structural calculations for jacking plan, and methodology for the repair designs for a substructure retrofit of the bridge. The project involved jacking and shimming the superstructure to facilitate repairs to a deteriorated pile bent cap.			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Curtis A. Sprunger, PE	13. ROLE IN THIS CONTRACT Drainage Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 12	b. WITH CURRENT FIRM 12
15. FIRM NAME AND LOCATION <i>(City and State)</i> Kisinger Campo & Associates, Corp., Tampa, Florida			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> • BSCE, Purdue University (2002)		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> • Professional Engineer in Florida #66524	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Florida Institute of Consulting Engineers (FICE)			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> CENTRAL AVENUE OVER BOOKER CREEK - CHANNEL REINFORCEMENT & BRIDGE MAINTENANCE. CITY OF ST. PETE PROJECT NO. 13052-110	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2014 (ongoing)	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Structural engineer. KCA is assisting the CITY with engineering design and construction documents for permanent channel reinforcement scour countermeasures for Booker Creek under the Central Avenue Bridge and maintenance repairs to Bridge No. 157123. Design elements include refinement of the existing hydraulic model and design of an articulated block concrete reinforcement system with associated thickness, dimensions and toe-in depths, due to current scour critical channel conditions. All improvements are proposed within the City right of way. Maintenance elements include development of construction plans for concrete repairs including spall repair and crack injection to the bridge as well as cleaning and coating of the concrete handrail.			
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Steinbrenner High School Tampa, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(If applicable)</i> 2008
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Drainage engineer for the total site design of a new high school campus: paving, drainage, water, sewer, and stormwater. Permitting from SWFWMD, FDEP, and Hillsborough County. Construction cost: \$25,000,000			
c.	(1) TITLE AND LOCATION <i>(City and State)</i> CR 54 (Wesley Chapel Boulevard) Six-Lane Design (From Magnolia Boulevard to Oakley Boulevard) Wesley Chapel, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2009	CONSTRUCTION <i>(If applicable)</i> Ongoing
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Drainage design engineer for the widening of CR 54 in the median from north of Magnolia Boulevard to Oakley Boulevard from a four-lane divided urban section to a six-lane divided urban section. The length of the project is 1.25 miles. Design services include roadway and drainage analysis, utility coordination, permitting, signing & marking plans, and upgrading signals at four intersections: Progress Parkway, Old Pasco Road, Lexington, and Gateway Boulevard. Design fee: \$266,177			
d.	(1) TITLE AND LOCATION <i>(City and State)</i> US 17 Reconstruction (from DeSoto/Charlotte County Line to SW Collins) Fort Ogden, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2009	CONSTRUCTION <i>(If applicable)</i> Pending
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Drainage engineer for the design of 4.26 miles a four-lane divided rural roadway to replace a two-lane undivided highway. Five stormwater management ponds and three floodplain compensation ponds were required and one new bridge was designed while the existing adjacent bridge was incorporated into the project. Coordination was also necessary for an adjacent, parallel railroad through Fort Ogden. Services included survey, right-of-way map preparation, archaeological studies, geotechnical and contamination investigation, drainage design, structures design, roadway design, signing & marking preparation, and complete utility coordination. Estimated construction cost: \$34,000,000			
e.	(1) TITLE AND LOCATION <i>(City and State)</i> MARTIN LUTHER KING JR. STREET OVER BOOKER CREEK BRIDGE EVALUATION. CITY OF ST. PETE PROJECT NO. 14081-110	(2) YEAR COMPLETED	
		PROFESSIONAL SVCS 2014	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm KCA is providing professional engineering services to perform Bridge Concept study for the replacement and/or rehabilitation of the Martin Luther King Jr. Street (MLK) Bridge over Booker Creek, Bridge No.: 157117. This project will address: a. Preparation of Bridge Concept Study (Includes Bridge Rehabilitation option), b. investigation of Rehabilitation option alongside bridge replacement, c. Bridge hydraulic/scour analysis			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Tanya S. Childress	13. ROLE IN THIS CONTRACT CADD Technician	14. YEARS EXPERIENCE	
		a. TOTAL 9	b. WITH CURRENT FIRM 8
15. FIRM NAME AND LOCATION <i>(City and State)</i> Kisinger Campo & Associates, Corp., Tampa, Florida			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> <ul style="list-style-type: none"> BS in Linguistic Pyatigorsk, State Linguistic University, Pyatigorsk, Russia (2002) 		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i>	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> AutoCADD Level I; AutoCADD Level II			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a.	Westshore Elementary Tampa, Florida	2008	2008
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm CADD Technician. Application, permitting, and design of a new fire line to serve existing structures. Construction cost: \$50,000		
b.	Pride Elementary School Tampa, Florida	2007	2008
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm CADD Technician. This project included site design for a new classroom addition for an existing school (CFK program): paving, drainage, water, sewer, stormwater. Permitting from SWFWMD, FDEP, and Hillsborough County. Construction cost: \$2,000,000		
c.	Riverview High School Tampa, Florida	2007	2008
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm CADD Technician for the site design of a new classroom addition for an existing school (CFK program): paving, drainage, water, sewer, and stormwater. Permitting from SWFWMD, FDEP, and Hillsborough County. Construction cost: \$3,600,000		
d.	Park Street Bridge Replacement – St. Petersburg, FL	2012	Pending
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project includes the replacement of a large box culvert under Park Street between 5 th Avenue North and 9 th Avenue North. Design elements include roadway reconstruction design, drainage improvements, utility relocations, and maintenance of traffic design to maintain two-lane two-way traffic at all times during construction. The project also included environmental permitting with the Southwest Florida Water Management District and the Army Corps of Engineers. Role: CADD Technician		
e.	Wharton High School Tampa, Florida	2007	2008
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Sidewalk, sewer, water, and stormwater design for a new 10,000 square foot classroom building mandated by the "Classrooms for Kids" state legislation that limits the number of students in each class. Construction cost: \$500,000. Role: CADD Technician		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME S. Bry Sarté, PE, LEED AP	13. ROLE IN THIS CONTRACT Principal Civil Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 17	b. WITH CURRENT 11

15. FIRM NAME AND LOCATION (City and State)
Sherwood Design Engineers - San Francisco, CA

16. EDUCATION (DEGREE AND SPECIALIZATION) University of California, Berkeley Bachelor of Science in Civil & Environmental Engineering Emphasis: Environmental Engineering University of Canterbury, New Zealand Masters research in Environmental Engineering University of California, Santa Cruz Bachelor of Arts in Fine Arts	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Professional Engineer, Civil Engineering State of Arizona, State of California, State of Colorado, State of Florida, State of Idaho, State of Montana, State of New Hampshire, State of New York, State of Pennsylvania, State of Tennessee, State of Texas, State of Virginia
---	---

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Professor, Columbia University, Architecture and Urban Design Program, Sustainable Infrastructure and Urban Resiliency
Author, *Sustainable Infrastructure: The Guide to Green Engineering and Design* (John Wiley & Sons, 2010)
American Society of Civil Engineers; UC Berkeley Alumni Association; SPUR: San Francisco Planning and Urban Research, Member; SPUR:
Sustainable Development Committee, Chair; SPUR: Water Policy Board, Chair; Urban Land Institute, Member; U.S. Green Building Council, Member

19. RELEVANT PROJECTS

(1) Title & Location (City and State) UC SANTA CRUZ SOCIAL SCIENCES BUILDING SITE ENGINEERING Santa Cruz, California	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable)

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm

- a. *Role: Civil Engineering Principal In Charge; Size: 83,000 sf; Construction Cost: approximately \$52 million*
Sherwood was hired as part of an interdisciplinary team of designers to master plan, design, and implement the construction of a new Social Sciences Building on the northern most reaches of the UC Santa Cruz campus. The new building will be a model of sustainability and sensitive site design. Sherwood was responsible for full civil engineering services, including new circulation design, utility layouts, grading, drainage, and Low-Impact Development techniques for the site that sits within a forest of Santa Cruz's signature old growth redwoods. The site design also included the engineering of a 400-foot-long pedestrian bridge connecting the remote site to nearby campus social centers.

(1) Title & Location (City and State) SAN FRANCISCO BETTER STREETS PLAN San Francisco, California	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable)

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm

- b. *Role: Civil Engineering Principal In Charge; Size: Citywide; Construction Cost: NA*
Sherwood worked closely with a leading team of consultants, the San Francisco Mayor's office of City Greening, the Department of Public Works, the Planning Department and the Public Utilities Commission to develop a comprehensive vision to improve the pedestrian and environmental quality of San Francisco's streets. With our expertise in urban stormwater management, we helped to reform the City's existing streetscape design standards. This project will ultimately help to see San Francisco reach its highest potential for livability and serve as an international model for exceptional urban community and environmental design.

(1) Title & Location (City and State) SANTA MONICA BORDERLINE GREEN STREETS Santa Monica, California	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2011

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Check if project performed with current firm

- c. *Role: Civil Engineering Principal In Charge; Size: 4 city blocks; Construction Cost: approximately \$5 million*
Sherwood worked to complete the design of a multi-block green streets project located at the edge of Santa Monica's border with Venice, CA. The design implements a woonerf-style livable street by incorporating multi-functional urban stormwater best management practices as well as low impact design into a pedestrian friendly design. Sherwood focused its efforts on making this alternative streetscape a reality by working to develop the design, from concept through construction documentation, as well as determining the cost and maintenance implications for the City of Santa Monica. A highlight of this project was Sherwood's design to manage all stormwater runoff from the site using hardscape infiltration areas and plantings with no conventional piped stormwater infrastructure. The design represents a critical component of the Santa Monica Sustainable City Plan to realize a better city for its citizens.

(1) Title & Location (City and State) LA STATE HISTORIC PARK Los Angeles, California	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION (If applicable)

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

Check if project performed with current firm

Role: Civil Engineering Principal In Charge; Size: 32 acres; Construction Cost: approximately \$130 million

- d. *Recognizing the importance of urban open space and conservation, the city of Los Angeles and the California State Parks Department have dedicated a 32-acre site in the heart of the city to recreation, education, and sustainability. Working closely with Hargreaves Associates, Sherwood developed a strategy to successfully integrate the site into the urban fabric of Los Angeles. A complex system of water resource management and recycling was devised, including steps to improve the quality of the LA River adjacent to the site. Base flows from the river will be utilized to sustain wetlands within the site and enhance their habitat, and a "green streets" program is being implemented in a neighboring community to optimize stormwater collection and enhance the urban landscape of downtown Los Angeles. Sherwood is providing comprehensive sustainability and civil engineering services for this project.*

(1) Title & Location (City and State) MINT PLAZA San Francisco, California	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2007	CONSTRUCTION (If applicable) 2007

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

Check if project performed with current firm

Role: Civil Engineering Principal In Charge; Size: 1 acre; Construction Cost: approximately \$3.5 million

- e. *Sherwood's work in converting the historic Old Mint in downtown San Francisco into a new public plaza will set future development standards for green street design. Stormwater runoff from the plaza and surrounding rooftops is collected in a 'rain garden', and then filtered to a level far exceeding current City standards. Additional runoff is filtered through the plaza's porous pavers into a grove of paper bark maples at the eastern end of the plaza, preventing virtually all plaza runoff from entering the City's overloaded sewer system. By delaying, cleansing, and retaining runoff on site, these combined features work to protect the long-term health of the Bay, and propel San Francisco towards a more sustainable future.*

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME John Leys, PE, LEED AP	13. ROLE IN THIS CONTRACT Principal Civil Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 13	b. WITH CURRENT FIRM 10
15. FIRM NAME AND LOCATION (City and State) Sherwood Design Engineers, San Francisco, CA			
16. EDUCATION (DEGREE AND SPECIALIZATION) University of California, Berkeley Master of Science in Civil & Environmental Engineering Emphasis: Environmental Engineering University of California, Berkeley Bachelor of Science in Civil & Environmental Engineering Emphasis: Environmental Engineering University of California, Santa Cruz Bachelor of Arts in Environmental Studies Emphasis: Watershed Restoration		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Professional Engineer, Civil Engineering State of California LEED Accredited Professional	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) American Society of Civil Engineers, US Green Building Council Member			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
a.	Orange County Great Park <i>Irvine, California</i>	ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Scope: The Orange County Great Park, with its 1,347-acre master plan, is the focal point of the redevelopment of the 4,700-acre former Marine Corps Air Station, El Toro. Phase 1 of development of the 28-acre south lawn, includes extensions to the Ken Smith-envisioned timeline and a first of its kind large scale overland stormwater harvesting system for reuse as irrigation. Among many of the forward thinking sustainability goals of the project, Sherwood is working is to decrease the irrigation demands of the park and reuse as much water on site as possible. We will be harvesting and storing all available onsite and offsite runoff in a series of aesthetically pleasing storage basins. Stormwater from these basins will then be treated and reused for irrigation, with the aim of reducing the reclaimed water used by over 50%. One of the project's goals is to be a new model for water resources planning within the LA basin.	<input checked="" type="checkbox"/> Check if project performed with current firm Role: Principal Engineer Cost: \$18M Size: 28 AC	
b.	(1) TITLE AND LOCATION (City and State) Olmsted Center <i>Flushing Meadows, New York</i>	2012	2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	

Scope: Within the heart of Flushing Meadows – Corona Park, Sherwood worked with BSKS Architects on the reconstruction of the NYC Parks Department Headquarters at The Olmsted Center. Originally designed by SOM in 1961 and used as the administrative headquarters for the 1964 World's Fair, the project will provide new work space for park staff. The proposed facility incorporates sustainable design principles while meeting a LEED Silver rating. Sherwood's role has spanned the design process from feasibility analysis to construction documentation of all site civil improvements. To alleviate flooding concerns on the site, we developed a comprehensive stormwater management strategy that not only includes LID water management techniques, but creates a managed flood plain system which floods low priority areas first while high priority areas are protected.

Role: Principal Engineer
Cost: \$17.5M
Size: 7 AC

<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p>Lincoln Boulevard <i>San Francisco, California</i></p>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION (<i>If Applicable</i>) 2012
<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE</p> <p>Scope: The Presidio Coastal Trail project, a joint venture between the Golden Gate National Parks Conservancy and the Presidio Trust, involves the construction of miles of scenic multi-use trail connecting the historic batteries and beaches along the Pacific coastline. For a large portion of the trail running adjacent to Lincoln Boulevard, Sherwood is involved in designing roadway plans for the widening, realignment, and pavement and drainage upgrades required to accommodate the trail and continuous on-street bike lanes. In addition, we are designing an integrated stormwater management plan that will incorporate stormwater treatment and infiltration facilities, as well as plans for the Pacific Overlook, a picturesque spot along Lincoln Blvd that has panoramic views of the Golden Gate Bridge, Marin Headlands, and the Pacific Ocean.</p>	<input checked="" type="checkbox"/> Check if project performed with current firm	
	<p>Role: Principal Engineer Cost: \$1.5M Size: 1 AC</p>	
<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p>Los Padres National Forest, Chuchupate Ranger Station <i>Frazier Park, California</i></p>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION (<i>If Applicable</i>) 2012
<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE</p> <p>Scope: Sherwood was selected as part of an interdisciplinary design team to work on the site planning and design of a new 8,000 square foot LEED-Silver building for the Mount Pinos Ranger District based outside of Frazier Park, CA, within the Los Padres National Forest. Working closely with the Forest Service and Design Team, Sherwood has developed site specific approaches to grading, stormwater management and infrastructure systems in a manner which blend seamlessly with the site's topography. The design has been focused on incorporating landscape-based solutions wherever possible to reinforce the natural aesthetic. Sherwood is providing comprehensive sustainable civil engineering services for the project in the areas of erosion control, grading, stormwater management, and utilities. Sherwood's scope spans design, document production, construction administration, and LEED certification support.</p>	<input checked="" type="checkbox"/> Check if project performed with current firm	
	<p>Role: Principal Engineer Cost: \$9M Size: 2.5 AC</p>	

ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (if any)

PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME PERKINS+WILL			3. YEAR ESTABLISHED 1935	4. DUNS NUMBER 79-180-7977
2b. STREET 1315 Peachtree St., NE			5. OWNERSHIP a. TYPE Corporation	
2c. CITY Atlanta	2d. STATE GA	2e. ZIP CODE 30309	b. SMALL BUSINESS STATUS	
6a. POINT OF CONTACT NAME AND TITLE Leo Alvarez, FASLA, AIA, LEED AP / Principal			7. NAME OF FIRM (If block 2a is a branch office) Perkins & Will, Inc.	
6b. TELEPHONE NUMBER 404.443.7426		6c. E-MAIL ADDRESS Leo.Alvarez		
8a. FORMER FIRM NAME(S) (If any) The Perkins & Will Partnership, 1935-1970			8b. YR ESTABLISHED 1935	8c. DUNS NUMBER 79-180-7977

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Function Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	319		A06	Airports; Terminals & Hangars; Freight Handling	7
06	Architect	724		A11	Auditoriums & Theaters	2
08	CADD Technician	171		C10	Commercial Building (low rise); Shopping Centers	7
37	Interior Designer	325		D07	Dining Halls; Clubs; Restaurants	3
47	Planner: Urban/Regional	36		E02	Educational Facilities; Classrooms	10
	Planning + Strategies	13		F02	Field Houses; Gyms; Stadiums	6
	Branded Environments	22		G01	Garages; Vehicle Maintenance Fac.; Parking Decks	5
				H05	Health Systems Planning	5
				H06	Highrise; Air-Rights-Type Buildings	9
				H09	Hospital & Medical Facilities	10
				H10	Hotels; Motels	8
				H11	Housing (Residential, Multi-Family, Apt., Condo.)	8
				I05	Interior Design; Space Planning	10
				J01	Judicial and Courtroom Facilities	3
				L01	Laboratories; Medical Research Facilities	9
				L04	Libraries; Museums; Galleries	5
				O01	Office Buildings; Industrial Parks	8
				P05	Planning (Community, Regional, Areawide & State)	6
				P06	Planning (Site, Installation, and Project)	1
				R08	Research Facilities	9
				S11	Sustainable Design	10
Total		1610				

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER			
a. Federal Work	8	1. Less than \$100,000	6. \$2 million to less than \$5 million	7. \$5 million to less than \$10 million	8. \$10 million to less than \$25 million
b. Non-Federal Work	10	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million	8. \$10 million to less than \$25 million	9. \$25 million to less than \$50 million
c. Total Work	10	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million	9. \$25 million to less than \$50 million	10. \$50 million or greater
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million		
		5. \$1 million to less than \$2 million	10. \$50 million or greater		

2. AUTHORIZED REPRESENTATIVE
The foregoing is a statement of facts.

a. SIGNATURE



b. DATE

September 5th, 2014

c. NAME AND TITLE

Leo Alvarez FASLA, AIA, LEED AP / Principal

ARCHITECT ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

134-0308-NC (RM)

PART II - GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME Affiliated Engineers, Inc. (AEI)			3. YEAR ESTABLISHED 1980	4. DUNS NUMBER 968750059
2b. STREET Tioga Town Center, 12921 SW 1st Road Ste 20			5. OWNERSHIP	
2c. CITY Gainesville	2d. STATE FL	2e. ZIP CODE 32669	a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE Scott Robinson, PE, Principal			b. SMALL BUSINESS STATUS N/A	
6b. TELEPHONE NUMBER 352-376-5500	6c. E-MAIL ADDRESS srobinson@aeieng.com		7. NAME OF FIRM (If block 2a is a branch office) Affiliated Engineers, Inc.	
8a. FORMER FIRM NAME(S) (If any) N/A			8b. YR. ESTABLISHED N/A	8c. DUNS NUMBER N/A

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	79	4	A08	Animal Facilities	1
10	Chemical Engineers	2	0	C13	Computer Facilities	1
18	Cost Engineer/Estimators	3	0	E02	Educational Facilities ; Classrooms	5
21	Electrical Engineers / Designers	73	6	E03	Electrical Studies & Design	5
25	Fire Protection Engineers	2	0	H04	Heating; Ventilating; Air Conditioning	6
52	Sanitary Engineers	19	3	H09	Hospital & Medical Facilities	4
Other	Mechanical Engineers / Designers	130	14	I01	Industrial Buildings; Manufacturing Plants	1
Other	Lighting Engineers/Designers	4	0	L01	Laboratories; Medical Research Facilities	2
Other	I&C Engineers/Designers	17	0	L04	Libraries; Museums; Galleries	1
Other	IT Engineers/Designers	13	0	L05	Lighting	1
Other	Commissioning/Field Services	37	4	O01	Office Buildings; Industrial Parks	3
				P08	Plumbing & Piping Design	4
				R08	Research Facilities	5
				S08	Special Environments: Clean Rooms	1
				S11	Sustainable Design	1
				U03	Thermal and Electrical Utilities	3
					Commissioning	4
Total		559	45			

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER			
a. Federal Work	5	1. Less than \$100,000	6. \$2 million to less than \$5 million	7. \$5 million to less than \$10 million	8. \$10 million to less than \$25 million
b. Non-Federal Work	7	2. \$100,000 to less than \$250,000	9. \$25 million to less than \$50 million	10. \$50 million or greater	
c. Total Work	7	3. \$250,000 to less than \$500,000			
		4. \$500,000 to less than \$1 million			
		5. \$1 million to less than \$2 million			

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE 9/4/14
c. NAME AND TITLE Scott Robinson, PE, LEED AP Principal	

