



Line and Space, LLC
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December 18, 2014

Melissa Bauer
State of Arizona
State Procurement Office
100 N 15th Ave., Suite 201
Phoenix, Arizona 85007

Re: Solicitation number: ADSP015-00004729 Annual Professional Services List

Dear Ms. Bauer and Members of the Selection Committee:

With great enthusiasm, Line and Space, LLC would like to express our interest in being considered for the State of Arizona Professional Services List and we are pleased to submit our team's qualifications as requested in your solicitation.

Line and Space was founded in 1978 to focus on the design and building of creative, user-focused, environmentally conscious projects that compliment both place and mission. Our firm, headquartered in Tucson, Arizona, is dedicated to comprehensive identification and rigorous fulfillment of the needs and goals of each project undertaken. For over 35 years, Line and Space's endeavors in the quiet integration of structure and landscape have led to international recognition including awards and publication. In addition to being architects, we are general contractors, and building some of our own projects has given us a unique and invaluable understanding of construction.

We are experienced with this type of open-ended contract, and have been working with Government agencies such as Pima County, City of Tucson, United States Department of the Interior Bureau of Land Management (BLM), and the U.S. Fish and Wildlife Service for over 25 years. Our group is strong in the design of creative public projects, particularly for arid regions, with an emphasis on ecology, interpretation, and constructability.

Regardless of project size or scope, Line and Space thrives on working with client representatives, user groups, neighbors, and people with different points of view to create special spaces that go beyond function and budget to expand the possibilities of use. We are eager to help your projects throughout Arizona reach their full potential and look forward to further discussion with you.

I hereby confirm that the information in this submission is current and accurate to the best of my knowledge and acknowledge receipt of Addendum No. 1. Please feel free to contact me with any questions regarding our submission.

Sincerely,

A handwritten signature in blue ink, appearing to read 'HTom', written over a light blue horizontal line.

Henry Tom, AIA, NCARB
Principal-in-Charge

**RFQ# ADSP014-00003465, Annual Request for Qualifications and Experience
REVISED - Attachment I – General Qualifications**

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

1. REVISED ADSP013-00003465: Annual Request for Qualifications

a.	FIRM (OR BRANCH OFFICE) NAME:	Line and Space, LLC
b.	FIRM (OR BRANCH OFFICE) STREET:	627 E. Speedway Blvd
c.	FIRM (OR BRANCH OFFICE) CITY:	Tucson
d.	FIRM (OR BRANCH OFFICE) STATE:	Arizona
e.	FIRM (OR BRANCH OFFICE) ZIP CODE:	85705
f.	YEAR ESTABLISHED:	1978
(g1).	OWNERSHIP - TYPE:	LLC (limited liability corporation)
(g2)	OWNERSHIP - SMALL BUSINESS STATUS:	Small Business
h.	POINT OF CONTACT NAME AND TITLE:	Henry Tom, Principal
i.	POINT OF CONTACT TELEPHONE NUMBER:	(520) 623-1313
j.	POINT OF CONTACT E-MAIL ADDRESS:	henryt@lineandspace.com
k.	NAME OF FIRM (If block 1a is a branch office):	Not Applicable (N/A)

**RFQ# ADSP014-00003465, Annual Request for Qualifications and Experience
REVISED - Attachment I – General Qualifications**

2. EMPLOYEES BY DISCIPLINE

a. Discipline Title	b. Function: Primary (P) or Secondary (S)	c. No. of Employees - Firm	d. No. of Employees - Branch
Henry Tom, AIA, NCARB, Principal in Charge	(P) Architect, (S) Project Manager	See Total Below	N/A
Les Wallach, FAIA, Director of Design, Principal	(P) Architect		N/A
Bob Clements, AIA, LEED AP, Principal	(P) Architect, (S) Project Manager		N/A
Johnny Birkinbine, AIA, Principal	(P) Architect, (S) Project Manager		N/A
Mike Anglin, AIA, LEED AP, Principal	(P) Architect		N/A
Manny Kropf, RA	(P) Architect		N/A
Emily Starace, RA, LEED AP	(P) Architect		N/A
John McColgin	(P) CADD Technician		N/A
Jared Logue	(P) CADD Technician		N/A
Susan Wallach	(O) Other		N/A
Total	10		N/A

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3. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST YEAR

a. Approximate No. of Projects	b. Experience	c. Revenue Index Number <i>(see below)</i>
3	Activity Centers	
3	Area Master Planning	
5	Conservation and Resource Management	
3	Dining Halls; Clubs; Restaurants	
2	Educational Facilities; Classroom	
3	Elevators; Escalators; People-Movers	
3	Energy Conservation; New Energy Sources	
3	Garages; Vehicles Maintenance Facilities; Parking	
3	Landscape Architecture	
2	Libraries; Museums; Galleries	
5	Lighting (Interior; Display; Theater, Etc.)	
2	Lighting (Exterior; Streets; Memorials; Athletic Fields, Etc.)	
1	LEED Accredited A/E	
1	Museums	
2	Outdoor Recreation	
2	Recreation Facilitates	
1	Rehabilitation (Buildings; Structures; Facilities)	
5	Solar Energy Utilization	
5	Sustainable Design	
2	Swimming Pools	
	** Revenue index numbers are not listed as many projects include several Profile Codes	**

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

- | | |
|---|---|
| 1. Less than \$100,000 | 6. \$2 million to less than \$5 million |
| 2. \$100,000 to less than \$250,000 | 7. \$5 million to less than \$10 million |
| 3. \$250,000 to less than \$500,000 | 8. \$10 million to less than \$25 million |
| 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 |

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4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section 4 for each key person.)

a. NAME Henry Tom, AIA, NCARB	b. ROLE IN THIS CONTRACT Principal in Charge / Project Manager / Lead Design Architect	c. YEARS EXPERIENCE	
		1. TOTAL 26	2. WITH CURRENT FIRM 26
d. FIRM NAME AND LOCATION (City and State) Line and Space, LLC			
e. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Architecture, University of Arizona, 1989		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Arizona Architect # 27512	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Architectural Registration in Colorado, Idaho, Montana, Nevada, New Mexico, Oklahoma, South Dakota, Utah, and Wyoming; National Council of Architectural Registration Board #65523; Former President for the AIA Southern Arizona Chapter; AIA Arizona Architects Medal for his outstanding contributions to the field of architecture in our State of Arizona.			

H. RELEVANT PROJECTS

1)	(1) TITLE AND LOCATION (City and State) Eloy Community Center (Eloy, Arizona)	(2) Year Completed Unbuilt	
		Professional Services 2013	Construction (if applicable) Construction Complete
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm The Eloy Community Center provides learning and meeting spaces for people of all ages and includes a flexible teaching space that can be used in many different ways, from lectures to arts and crafts. The adjacent historic movie theater was repurposed as an auditorium for special community events. Environmental design strategies such as large roof overhangs also serve a dual function by creating comfortable outdoor activity spaces. Materials and finishes were specifically chosen for their durable, low maintenance characteristics. This is a 10,000 sf, \$4 million activity/community center. Work is complete through Schematic Design Phase. Henry is lead designer.		
2)	(1) TITLE AND LOCATION (City and State) San Diego National Wildlife Refuge Complex Administration Headquarters and Visitor Contact Station (Chula, Vista, California)	(2) Year Completed 2011	
		Professional Services 2011	Construction (if applicable) Construction Complete
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This facility serves as a "portal" to the ecologically unique Sweetwater Marsh within the San Diego Bay National Wildlife Refuge, the new Administration Headquarters for the USFWS provides a collaborative facility where in-house biologists and environmental education specialists perform work and analysis within the habitat. A multi-purpose Resource Room supports the environmental education programs and a new service building provides centralized support. This is a new 6,500 sf, \$4.9 million facility. Henry served as lead designer and project manager. LEED Gold and an AIA Southern Arizona Citation Award recipient.		
3)	(1) TITLE AND LOCATION (City and State) University of Arizona Worlds of Words (WOW) (Tucson, Arizona)	(2) Year Completed 2014	
		Professional Services 2014	Construction (if applicable) Construction Complete
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Part of the College of Education at the University of Arizona, Worlds of Words is an international collection of children's literature, the largest of its kind in the United States. Located within the original College library space, WOW needed to efficiently house, display, and manage its growing collection in addition to increasing its public outreach programs. A new panoramic window will utilize large graphics to gain exposure beyond the College of Education, while also allowing much needed tempered natural light into the space. This is a 7,400 sf, \$600,000 library renovation. Henry served as lead designer and project manager.		
4)	(1) TITLE AND LOCATION (City and State) University of Arizona Poetry Center (Tucson, Arizona)	(2) Year Completed 2007	
		Professional Services 2007	Construction (if applicable) Construction Complete
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm The Poetry Center houses one of the nation's leading collections of contemporary poetry and provides a place for scholars, readers and lovers of poetry to research, read, write, and hear the literary art. The project addresses secure storage and access of sensitive archival materials. This is a new 18,000 sf, \$4.8 million library. Henry was on the design team and project manager. This building has been honored as a New Landmark Academic Library from <i>Library Journal</i> and is an AIA Arizona Citation Award recipient.		
5)	(1) TITLE AND LOCATION (City and State) Rio Vista Elementary School Additional and Remodel (Tucson, Arizona)	(2) Year Completed 2014	
		Professional Services 2013	Construction (if applicable) Construction Complete
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This recent school project includes relocation of administration functions to new space, which improves efficiency and enhances security of the school. Also, a new classroom building reduces conflicts among students from different age groups. Successful programming resulted from collaborative workshops combining teachers, administrators, and school district staff. Large windows provide a strong connection to the outdoors and allow abundant daylight to enter classrooms yet are protected from the desert sun by large overhangs that create shaded outdoor teaching areas. Materials/finishes were specifically chosen for their durable, low maintenance characteristics. This is a 12,300 sf, \$2.9 million education facility. Henry served as lead designer and project manager.		

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REVISED - Attachment I – General Qualifications**

4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section 4 for each key person.)

a. NAME Les Wallach, FAIA	b. ROLE IN THIS CONTRACT Principal / Director of Design / Programming Lead / Design Advisor	c. YEARS EXPERIENCE	
		1. TOTAL 39	2. WITH CURRENT FIRM 36
d. FIRM NAME AND LOCATION (City and State) Line and Space, LLC (Tucson, Arizona)			
e. EDUCATION (DEGREE AND SPECIALIZATION) Bachelors of Architecture, University of Arizona 1974 Bachelors of Science, Mining Engineering, University of Arizona 1967		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Arizona Architect #10628	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) American Institute of Architects (AIA) College of Fellows, AIA Western Mountain Region Silver Medal, Former President for the AIA Southern Arizona Chapter; AIA Arizona Architects Medal for his outstanding contributions to the field of architecture in our State of Arizona.			

H. RELEVANT PROJECTS

1)	(1) TITLE AND LOCATION (City and State) Boyce Thompson Arboretum Visitor Center (Superior, Arizona)	(2) Year Completed 1988	
		Professional Services 1988	Construction (if applicable) Construction Complete
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Straddling the main entry trail of the Arboretum, the Visitor Center is designed to house interpretive, administrative, and retail functions while demonstrating appropriate desert architecture. Interpretive specialists supported by plant scientists and curators educate the public about the horticulture of an extensive plant collection started in 1928. Les served as design architect and project manager for this 10,000 sf, \$750,000 award winning Visitor Center. Honored with a National AIA Committee on the Environment (COTE) Special Environmental Award, an Arizona Governor's Solar Energy Award, AIA Southern Arizona Citation Award and a just recently the project received the 2014 AIA Arizona Twenty-Five Year Award.		
2)	(1) TITLE AND LOCATION (City and State) Arizona Sonora Desert Museum Restaurant and Gallery Complex (Tucson, Arizona)	(2) Year Completed 1993	
		Professional Services 1993	Construction (if applicable) Construction Complete
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This is an activity center for a world-renowned museum consisting of restaurants, a gift shop, and areas for special events. Design of the building was conceived as a metaphorical exhibit on environmentally responsive architecture utilizing water harvesting, tempered microclimates, proper orientation, and recycled materials. Les served as lead design architect for this 20,000 sf, \$2.3 Million award-winning restaurant, and gallery complex. Honored with a Roy P. Drachman Award, a TEP Energy Award, an AIA Arizona Public Service Energy Award, an AIA Western Mountain Region Honor Award, an Arizona Masonry Honor Award and a Sonoran Institute Best of Tucson Award.		
3)	(1) TITLE AND LOCATION (City and State) Red Rock Desert Learning Center (Red Rock Canyon National Conservation Area, Nevada)	(2) Year Completed Unbuilt	
		Professional Services 2007	Construction (if applicable) Construction Complete
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm An overnight science-based, educational facility for Las Vegas school children designed to transform the way that students perceive and live in their desert environment through a unique experiential discovery program. The unbuilt 140-bed desert immersion campus for the United States Dept. of the Interior Bureau of Land Management is located on a 300-acre ranch site and includes separate administration, dining, dormitory, laboratories, astronomical observatory, instructor housing, support buildings, and an outdoor amphitheater. Les lead the design for this 50,000 sf, \$38 million campus. Professional services are complete through Design Development.		
4)	(1) TITLE AND LOCATION (City and State) Cesar Chavez Library (Phoenix, Arizona)	(2) Year Completed 2007	
		Professional Services 2007	Construction (if applicable) Construction Complete
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm A new regional library for the City of Phoenix consists of naturally day lit reading and stack areas for 140,000 volumes, public computer area, teen area, children's area, and public meeting room. The building is inserted into an existing earth mound in the park, providing a sheltering thermal mass around the building. The project addresses building and book security, energy management control system for on-site and remote monitoring, and separate networks for City and public-use computers. Les served as lead designer for this 25,000 sf, \$5 million library. This project is a National AIA COTE Top Ten Award recipient.		
5)	(1) TITLE AND LOCATION (City and State) Red Rock Canyon Visitor Center and Administrative Complex (Red Rock Canyon National Conservation Area, Nevada)	(2) Year Completed 2010	
		Professional Services 2010	Construction (if applicable) Construction Complete
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This multi-component project for the United States Dept. of the Interior Bureau of Land Management consists of a new 8,000 sf. Visitor Center containing an indoor Visitor arrival building and extensive outdoor exhibits. A remodel of the existing 7,000 sf. Visitor Center building to house administrative offices, and a new 1,200 sf. Contact/Fee station to replace an existing Fee Station were also included. Les led the design team for this indoor/outdoor 44,000 sf, \$17 million environmental recreation facility. This project has been honored as an AIA Arizona SRP Sustainable Award recipient.		

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4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section 4 for each key person.)

a. NAME Bob Clements, AIA, LEED AP	b. ROLE IN THIS CONTRACT Principal / Project Architect / Member of the Design Team	c. YEARS EXPERIENCE	
		1. TOTAL 26	2. WITH CURRENT FIRM 23
d. FIRM NAME AND LOCATION (City and State) Line and Space, LLC (Tucson, Arizona)			
e. EDUCATION (DEGREE AND SPECIALIZATION) Bachelors of Architecture, University of Arizona 1989		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Arizona Architect #27474 LEED AP #10207673	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Member American Institute of Architects, Leadership in Energy and Environmental Design (LEED) Accredited Professional			

H. RELEVANT PROJECTS

1)	(1) TITLE AND LOCATION (City and State) National Wild Horse and Burro Facility (Red Rock Canyon National Conservation Area, Nevada)	(2) Year Completed This Project is Unbuilt	
		Professional Services 2008	Construction (if applicable) Unbuilt
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm The National Wild Horse and Burro Facility is designed to expand awareness of the Wild Horse and Burro Program, as well as, manage horse and burro populations through adoption of the animals to the public. A major public education component serves as a special venue for local schools as well as a public face for the BLM's National Wild Horse and Burro Program. This project is an unbuilt 6,000 sf interior, 175,000 sf exterior, \$3.4 million facility. Bob served as the design lead and as project architect and manager for the entire campus. Professional services are complete through Design Development.		
2)	(1) TITLE AND LOCATION (City and State) Slusser Memorial Museum for the Postal History Foundation (Tucson, Arizona)	(2) Year Completed 1995	
		Professional Services 1995	Construction (if applicable) Construction Complete
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This is a museum & library that provides a forum in which postal history is organized & preserved, placing a premium on flexibility and maintaining special areas for users and collections. Careful planning provides security for collections and monitoring of patrons by a limited volunteer staff while creating a welcoming and inviting building with a strong connection to the outdoors. An extensive contextual analysis was performed, assessing aspects of the historic context and community, which strongly influenced the design of the Library. Fitting within the character of a historic neighborhood without copying existing building details and exhibiting appropriate use of scale this award winning building integrates into the surrounding historic fabric. Bob served as a key member of the design team and project manager and for this \$450,000 museum & library.		
3)	(1) TITLE AND LOCATION (City and State) Wujiatang Community Center (Kunming, China)	(2) Year Completed Under Construction / Active	
		Professional Services 2012	Construction (if applicable) Estimated 2015
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This multipurpose building will provide a variety of different functions including, education, athletics, and socializing. The educational component includes a natural history classroom, an art studio, a ceramics studio, music practice rooms, tutoring rooms, a cultural gallery that educates students and visitors of the region's people and environment. Athletic spaces include an indoor pool, an outdoor pool, a gymnasium, and other athletic facilities. Social and recreation spaces include a childcare center, a teen center, a movie theater, and restaurants and lounges for adults. Bob served as project manager for this 63,000 sf hub.		
4)	(1) TITLE AND LOCATION (City and State) The Two (Xiamen, China)	(2) Year Completed 2012	
		Professional Services 2012	Construction (if applicable) Construction Complete
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This building will serve two roles in its lifetime, one as a sales office for a large development, and then repurposed as a community arts center after fulfilling its first function. The building required iconic design to serve as a beacon to the community. Innovative daylight solutions includes a large circular garden within the building's center and overhead, concealed perimeter light monitors that will protect artwork from the damaging rays of the sun. Bob served as project manager for this 11,400 sf museum.		
5)	(1) TITLE AND LOCATION (City and State) National Historic Trails Interpretive Center (Casper, Wyoming)	(2) Year Completed 2002	
		Professional Services 2002	Construction (if applicable) Construction Complete
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This interpretive center for the US Dept. of the Interior Bureau of Land Management is dedicated to promoting and preserving the heritage surrounding the pathways to the West. The facility was designed and constructed on an environmentally sensitive site. Overlooking Casper, the property commands views of major historic trails, important landmarks, and inspiring landscapes. Site forces helping mold the design include both wind and sun. The sandy soil, extremely susceptible to erosion, requires special care in preserving its fragile net of grasses and cacti. The nature of the site allows the building to be pushed into the steep slope, becoming an extension of the landform. This is a 25,000 sf, \$8 million museum. Bob served as a part of the design team and as project architect.		

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4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section 4 for each key person.)

a. NAME John Birkinbine III, AIA	b. ROLE IN THIS CONTRACT Principal / Project Architect / Member of Design Team	c. YEARS EXPERIENCE	
		1. TOTAL 22	2. WITH CURRENT FIRM 21
d. FIRM NAME AND LOCATION (City and State) Line and Space, LLC (Tucson, Arizona)			
e. EDUCATION (DEGREE AND SPECIALIZATION) Bachelors of Architecture, University of Arizona 1994		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Arizona Architect #41655	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Member American Institute of Architects			

H. RELEVANT PROJECTS

1)	(1) TITLE AND LOCATION (City and State) Mojave Discovery Center (Red Rock Canyon National Conservation Area, Nevada)	(2) Year Completed This Project is Unbuilt	
		Professional Services 2009	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm The unbuilt design is an environmental education, classroom, and laboratory building for Las Vegas area 5 th grade students. The Education Room's sliding glass doors open to a sheltered patio where student can interact with the surrounding environment. There is a strong connection with the Calico Hills looking north from the Education Rooms. Floor to ceiling glass along the north and south provide ample daylighting for those learning inside. This is a 5,000 sf., \$4.9 million, interpretive center, activity center, classroom building. Johnny led the design team and was Project Manager. This educational facility is an AIA Southern Arizona Honor Award recipient.		
2)	(1) TITLE AND LOCATION (City and State) Arboretum at Flagstaff Visitor Center and Research Conservation Complex (Flagstaff, Arizona)	(2) Year Completed Unbuilt	
		Professional Services 2002	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm A multi-component project dedicated to the philosophy of sustainable living on the Colorado Plateau, the Arboretum at Flagstaff includes a new 11,000 sf visitor center with integrated gardens, indoor and outdoor gathering spaces, interactive educational exhibits, gift shop, a multipurpose gathering space, and foodservice with kitchen. A 12,000 sf Research Conservation Complex contains offices, horticulture laboratory, and greenhouses. An education center with a demonstration greenhouse and an amphitheater are also included. This unbuilt project has a budget of \$22 million (including the research laboratory.) Johnny served as project architect. Professional services are complete through Design Development.		
3)	(1) TITLE AND LOCATION (City and State) Cesar Chavez Library (Phoenix, Arizona)	(2) Year Completed 2007	
		Professional Services 2007	Construction (if applicable) Construction Complete
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm A new regional library for the City of Phoenix, with naturally lit day reading and stack areas for 140,000 volumes, public computers, teen area, children's area, and public meeting rooms. The building is incised into an existing earth mound in the park, providing a sheltering thermal mass around the building. Project addresses building and book security, energy management control system for on-site and remote monitoring, and separate networks for City and public-use computers. This is a 25,000 sf, \$5 million award winning library. Johnny was part of the design team and project architect for Construction Documents and Construction Administration.		
4)	(1) TITLE AND LOCATION (City and State) The Gregory School Science and Technology Complex (Tucson, Arizona)	(2) Year Completed 2002	
		Professional Services 2002	Construction (if applicable) Construction Complete
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm A classroom facility for the Gregory College Preparatory School includes spaces for physics, biology, chemistry (w/ integrated laboratories), math, and english. This project was designed and constructed within a flood plain and features a "Living Lab" where student experience hands on learning of important environmental concepts. Also featured is a high-bay lab for physics experiments. This is a new 27,000 sf, \$2 million complex. Johnny served as project architect.		
5)	(1) TITLE AND LOCATION (City and State) Rio Vista Elementary School Addition and Remodel (Tucson, Arizona)	(2) Year Completed 2014	
		Professional Services 2013	Construction (if applicable) Construction Complete
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This recent school project includes relocation of administration functions for improved efficiency and enhanced security. Also included is a new classroom building which will reduce conflicts among students from different age groups. Successful programming resulted from collaborative workshops combining teachers, administration, and school district staff. Large window provide a strong connection to the outdoors and allow abundant daylight to enter classrooms yet are protected from the desert sun by large overhangs that create shaded outdoor teaching areas. Materials/finishes were specifically chosen for their durable, low maintenance characteristics. This is a 12,300 sf, \$2.9 million education facility. Johnny served on the design team and as project architect for the Construction Documents and Construction Administration phases.		

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4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section 4 for each key person.)

a. NAME Mike Anglin, AIA, LEED AP	b. ROLE IN THIS CONTRACT Principal / Project Architect / Member of the Design Team	c. YEARS EXPERIENCE	
		1. TOTAL 13	2. WITH CURRENT FIRM 12
d. FIRM NAME AND LOCATION (City and State) Line and Space, LLC (Tucson, Arizona)			
e. EDUCATION (DEGREE AND SPECIALIZATION) Bachelors of Architecture, University of Arizona 2005		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Arizona Architect #49819 LEED AP	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Member American Institute of Architects, Leadership in Energy and Environmental Design (LEED) Accredited Professional			

H. RELEVANT PROJECTS

1)	(1) TITLE AND LOCATION (City and State) Hana Residence and Studio (Hana, Hawaii)	(2) Year Completed 2011	
		Professional Services 2011	Construction (if applicable) Construction Complete
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Line and Space's live/work studio is designed as a progression of closed to openness, arranged with service spaces to the north and floor to ceiling glass along the south to take full advantage of magnificent views of the Pacific Ocean and surrounding landscape. The building is elevated above the landscape, which frees the ground plane for gathering spaces and keeps the building dry by allowing wind to move through. This also allows the natural landscape to remain largely unaffected. The living spaces can be opened by way of large sliding glass doors to a cantilevered deck that surrounds the building, de-materializing the boundaries between inside and outside. A long, low roof plane provides shelter from heavy rains, shade for glazing, and reduces glare on interior spaces. The studio is 2,700 sf. Mike served as project architect.		
2)	(1) TITLE AND LOCATION (City and State) City of Tucson Linear Parks, Project Potty (Tucson, Arizona)	(2) Year Completed 2003	
		Professional Services 2003	Construction (if applicable) Construction Complete
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm The design of the Curtis Park facility is both sculptural and modular; lending beauty to the park, while providing a generic "kit of parts" that can be easily modified to make the facilities site specific for other locations in the Linear River Park System. Grey water from the outdoor sink is harvested and used to irrigate surrounding native trees. A wind powered turbine tower draws odors from the restroom stalls and discharges them high above the users. This is a 230 sf, \$50,000, public park, shade ramada, and restroom facility. Mike served as project architect.		
3)	(1) TITLE AND LOCATION (City and State) Dreamtown Clubhouse (Chongqing, China)	(2) Year Completed 2014	
		Professional Services 2013	Construction (if applicable) Construction Complete
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Strong currents of cultural influence are celebrated in the Dreamtown Clubhouse. The Art of Chinese Tea and the tradition of encouraging social interaction by building strong bonds over a meal are reinforced in the Clubhouse. In its first incarnation, the building will function as a real estate sales office. After a period of time, the building will transform into a neighborhood-meeting place, primarily functioning as a teahouse and restaurant. Mike served as project architect for this 15,000 sf community facility, activity center, and restaurant.		
4)	(1) TITLE AND LOCATION (City and State) Liangjiang Golf Club (Chongqing, China)	(2) Year Completed Under Construction	
		Professional Services Ongoing – Active Project	Construction (if applicable) Estimated Spring 2015
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm An existing stone quarry on site drives the design. As visitors approach the site, the building's sweeping wing-like roofs reveal themselves over dense bamboo. Growing from the site, the building's 2-story, floor-to-ceiling glass walls blur the distinction between inside and outside. This is a new 45,000 sf, sustainable, clubhouse with three restaurants, three separate bars and multiple lounge and locker areas as well as retail and administrative space. Mike served as project architect.		
5)	(1) TITLE AND LOCATION (City and State) Tianqin Bay Master Plan (Shenzhen, China)	(2) Year Completed Phased Construction	
		Professional Services 2005 - current	Construction (if applicable) Estimated 2015
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Strong respect for the native dense vegetation led to playing a prominent role in one's experience of the Tianqin Bay project. Therefore, we have developed this master plan to focus on maintaining and enhancing the natural beauty and feeling of the landscape. The design addressed the challenge of a contradiction between achieving a dense grouping of large, luxury villas with the goal of keeping the site as natural as possible. Observing conditions and context of the site (including views, vegetation, hydrology/drainage, existing development, utilities, circulation and noise) achieved a successful design solution. Mike served as project architect for this 74-acre site.		

**RFQ# ADSP014-00003465, Annual Request for Qualifications and Experience
REVISED - Attachment I – General Qualifications**

5. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present no more than five (5) projects. Complete one Section 5 for each project.)

a. TITLE AND LOCATION <i>(City and State)</i> City of Phoenix Caesar Chavez Regional Library (Phoenix, Arizona)		b. YEAR COMPLETED 2007	
		PROFESSIONAL SERVICES 2003 - 2007	CONSTRUCTION <i>(If applicable)</i>
23. PROJECT OWNER'S INFORMATION			
c. PROJECT OWNER The City of Phoenix	d. DOLLAR AMOUNT OF PROJECT Contracted Construction Cost \$4.9 Million	e. TOTAL COST OF PROJECT Construction Cost \$4.9 Million	

f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)



The Caesar Chavez Library for the City of Phoenix, Arizona was honored as a "landmark Library" by Library Journal. Its response to existing site conditions and the Sonoran Desert climate has garnered multiple design and environmental awards and ardent community support. The Library Blends state of the art technology with a "Living Room" atmosphere and contains private and open office space, study and tutoring space, a computer classroom, dedicated children's area and teen space, as well as an outstanding 140,000 item collection (the Library is designed to hold 400,000 item) in a setting that encourages reading and interaction.

The Library implements various "Green" building practices such as proper solar orientation, active and passive tempered microclimates, water harvesting and conservation, earth integration for thermal mass insulation, recycled material use and numerous features to reduce energy use. These environmental design features are expressed architecturally and are an added learning tool for the Library, educating visitors on resource conservation.

LEED Silver Certification and selected among buildings nationwide as one of the National AIA Committee on the Environment's Top Ten Green Projects.

Construction Delivery Method – CM@Risk

Type of Construction – New

Final Project Size – 25,000 gsf

Construction Cost - \$5 million

Final Construction Cost - \$4.9 million

Length of Project:

Actual Project Start (Design) – October 2003

Actual Project Completion – January 2007

Project Manager – Henry Tom AIA NCARB

Project Architect – John Birkinbine, AIA

General Contractor – Linthicum

222 W. Pinnacle Peak Road #220

Phoenix, Arizona

(623) 207-5200

**RFQ# ADSP014-00003465, Annual Request for Qualifications and Experience
REVISED - Attachment I – General Qualifications**

5. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present no more than five (5) projects. Complete one Section 5 for each project.)

<p>a. TITLE AND LOCATION (City and State) Red Rock Canyon Visitor Center and Administrative Complex (Red Rock Canyon National Conservation Area, Nevada)</p>	<p>b. YEAR COMPLETED 2009</p> <table border="1"> <tr> <td data-bbox="1003 283 1274 361">PROFESSIONAL SERVICES 2004 - 2009</td> <td data-bbox="1274 283 1570 361">CONSTRUCTION (If applicable)</td> </tr> </table>		PROFESSIONAL SERVICES 2004 - 2009	CONSTRUCTION (If applicable)
PROFESSIONAL SERVICES 2004 - 2009	CONSTRUCTION (If applicable)			

23. PROJECT OWNER'S INFORMATION

<p>c. PROJECT OWNER US Dept. of the Interior Bureau of Land Management</p>	<p>d. DOLLAR AMOUNT OF PROJECT Contracted Construction Cost \$17 million (including exhibits)</p>	<p>e. TOTAL COST OF PROJECT Construction Cost \$17 million (including exhibits)</p>
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)



The \$17 million Red Rock Canyon Visitor Complex consists of a new 8,000 sf. Visitor Arrival building, a 40,000 sf. outdoor exhibit area, a 7,000 sf. remodel of the existing visitor center building to house administrative functions, and a new 1,100 sf. Visitor Contact Station. Indoor and outdoor exhibits, administration, and the stunning landscape are integrated as one. The educational content of the exhibits and of the building are inseparable as both introduce visitors to water harvesting, greywater irrigation, climate specific architecture, and the use of shade, humidity, and air movement to temper outdoor space. The design significantly reduces the amount on indoor, conditioned space by creating exterior, tempered microclimates for the majority of the exhibit pavilions. In support of the Bureau of Land Management's mission, this project encourages stewardship of the land.

Many resource-conserving ideas are incorporated into the LEED Gold project. The arrival building is sheltered by a roof with ample overhangs that, shades windows, creates a thermal transition zone, and harvests rainwater used for interpretive exhibits and landscape irrigation. High-efficiency mechanical systems were specified, while day lighting, solar water heating, and a 55kW photovoltaic array convert the region's intense sun into free energy. A transpired solar wall system provides heating for the rest rooms, allowing the mechanical systems in these spaces to be eliminated.

The existing visitor center, constructed in 1982, was renovated to house administration of the National Conservation Area. In these new offices, natural light is brought into the existing windowless space with the addition of overhead light monitors.

Construction Delivery Method – Design, Bid Build

Type of Construction – New

*Final Project Size:
Visitor Arrival Building 8,000 sf
Visitor Outdoor Exhibit Area 44,000 sf
Visitor Contact Arrival Station 1,100 sf
Remodel of existing visitor center to Office Space 7,000 sf.*

*Initial Construction Cost - \$13 million
Final Construction Cost - \$13 million*

*Length of Project
Actual Project Start (Design) – Sept 2004
Actual Project Completion – Dec 2009*

*Project Manager – Henry Tom AIA NCARB
Project Architect – John Birkinbine, AIA*

General Contractor –Straub Construction, Inc., (858) 537-3441

**RFQ# ADSP014-00003465, Annual Request for Qualifications and Experience
REVISED - Attachment I – General Qualifications**

5. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present no more than five (5) projects. Complete one Section 5 for each project.)

a. TITLE AND LOCATION <i>(City and State)</i> University of Arizona Poetry Center (Tucson, Arizona)		b. YEAR COMPLETED 2007	
		PROFESSIONAL SERVICES 2003 - 2007	CONSTRUCTION <i>(If applicable)</i>
23. PROJECT OWNER'S INFORMATION			
c. PROJECT OWNER The University of Arizona	d. DOLLAR AMOUNT OF PROJECT Contracted Construction Cost \$4.8 million	e. TOTAL COST OF PROJECT Construction Cost \$4.8 million	

f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)



The first freestanding building on any university campus solely dedicated to celebrating and advancing poetry and literature, the University of Arizona Poetry Center houses one of the most remarkable collections of contemporary poetry in the nation. Nearly 70,000 items are contained in the ever-growing collection, including volumes of poetry, journals, photographs, and recordings. It is a landmark facility where the mission of providing an outstanding research collection and meeting place for visitors, writers, and readers of poetry is fulfilled.

The program includes administrative offices, classrooms, meeting rooms, collection stacks, a children's area, controlled rare book storage, archives, and the Contemplation Garden where one can sit and read or write in natural light.

To support the Center's public outreach efforts a flexible Humanities Seminar Room was designed to accommodate up to 80 people, and features a retractable glass wall that can be fully opened to the shaded outdoor gathering space to accommodate 400 people. Additional areas for comfortable discourse in both small and large groups are provided throughout the building.

Proper building orientation and large expanses of windows shaded by overhangs and sculptural wall planes allow natural light to filter into interior space. In 2012, the project was honored as a New Landmark Library from a nationwide search by the premier publication *Library Journal*.

Construction Delivery Method – CM@Risk

Type of Construction – New

Final Project Size – 18,000 gsf

Initial Construction Cost - \$4.8 million

Final Construction Cost - \$4.8 million

Length of Project:

Actual Project Start (Design) – October 2003

Actual Project Completion – August 2007

Project Manager – Henry Tom AIA NCARB

Project Architect – John Birkinbine, AIA

General Contractor – Diversified Design & Construction, Larry Lang

*3237 E. Fort Lowell Road, Tucson, Arizona
(520) 327-7384*

**RFQ# ADSP014-00003465, Annual Request for Qualifications and Experience
REVISED - Attachment I – General Qualifications**

5. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present no more than five (5) projects. Complete one Section 5 for each project.)

a. TITLE AND LOCATION <i>(City and State)</i> San Diego National Wildlife Refuge Complex Administrative Headquarters (Sweetwater Marsh, San Diego, California)		b. YEAR COMPLETED 2011	
		PROFESSIONAL SERVICES 2009 - 2011	CONSTRUCTION <i>(If applicable)</i>
23. PROJECT OWNER'S INFORMATION			
c. PROJECT OWNER US Dept. of the Interior Fish and Wildlife Service	d. DOLLAR AMOUNT OF PROJECT Contracted Construction Cost \$4.75 million	e. TOTAL COST OF PROJECT Construction Cost \$4.75 million	

f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)



The Sweetwater Marsh is the last remaining saltwater marsh habitat in Southern California. It offers resting, foraging and nesting area for a diverse assemblage of birds, including endangered species such as the Light-Footed Clapper Rail, California Least Tern, and a multitude of other birds migrating along the Pacific Flyway.

This facility houses the new Administrative Headquarters for the United States Fish and Wildlife Service, San Diego. This complex provides area for collaboration and offices where in-house wildlife biologist and environmental education specialists work within the marsh habitat. The open office design for the new building offers a connection to the inspirational landscape and takes advantage of the nearly ideal weather condition and natural day-lighting. The building's design blurs the distinction between inside and outside spaces.

Part of the new 8,000 sf facility is a laboratory supporting the field work of the wildlife biologists, and a Visitor Contact Component serving as a "portal" connecting to nature, enhancing the visitors experience and increasing use of the Refuge's trails. A multipurpose Resource Room with a wet laboratory is housed within the facility to support the environmental education programs of the USFWS.

The LEED Gold design is highly influenced by site forces and resource conservation, and includes a 30kW photovoltaic array, proper solar orientation, natural daylighting, passive heating and cooling techniques, and water harvesting. The complex was located within previously disturbed areas. The goal of mitigating bird strikes on windows directly influenced the architecture in the form of downward-angled glass that reflects ground instead of sky.

Construction Delivery Method – Design, Bid, Build

Type of Construction – New

Final Project Size – 9,000 gsf

*Initial GC Construction Cost - \$4.75 million
Final GC Construction Cost - \$4.75 million*

*Length of Project:
Actual Project Start (Design) – March 2009
Actual Project Completion – July 2011*

*Project Manager – Henry Tom AIA NCARB
Project Architect – John Birkinbine, AIA*

*General Contractor:
PCL Construction Services, Inc.
4690 Executive Drive, Suite 100
San Diego, CA 92121
(858) 657-3400*

**RFQ# ADSP014-00003465, Annual Request for Qualifications and Experience
REVISED - Attachment I – General Qualifications**

5. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present no more than five (5) projects. Complete one Section 5 for each project.)

a. TITLE AND LOCATION <i>(City and State)</i> Wujiatang Neighborhood Center (Kunming, China)		b. YEAR COMPLETED Under Construction	
		PROFESSIONAL SERVICES 2011-present	CONSTRUCTION <i>(If applicable)</i> Estimated 2015
23. PROJECT OWNER'S INFORMATION			
c. PROJECT OWNER Yunnan Shangju Real Estate Company (Kunming, PR China)	d. DOLLAR AMOUNT OF PROJECT Withheld at client request	e. TOTAL COST OF PROJECT Withheld at client request	

f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)



The Wujiatang Neighborhood Center is a multigenerational, multipurpose ecological neighborhood center that demonstrates sound environmental design. Located along the edge of a new neighborhood development, it seamlessly connects the neighborhood to an adjacent natural wetland that serves the public as an educational park and botanical garden.

Residents within the neighborhood will use the center for a broad range of activities that will unite the community while allowing individuals to enhance and improve their lifestyle. Health, fitness, and wellness spaces are integrated with educational and entertainment functions creating dynamic interactions and connectivity between functions. Visibility through different activity areas create an openness throughout that remind users of all that the center has to offer and connects unrelated activities in an interesting way.

The center offers aerobics and dance studios, fully outfitted weight and cardio rooms, an indoor fitness pool, and health spa (3 massage rooms, dedicated yoga areas, sauna, and a hot tub.) In addition, ping-pong, full-size indoor basketball, badminton, and outdoor tennis courts are provided. In addition, swimming activities for all ages are accommodated for by an outdoor family recreation pool and an indoor children's swimming area with wading pool and splash pads. Art education rooms, natural history classrooms, and a separate cinema, along with music studios and a cultural museum enhance the center's educational role. Special areas for children and teens allow for users of all ages. Adults can enjoy a fully outfitted wine bar, a cigar lounge, and private game rooms, all served by a large commercial kitchen.

Construction Delivery Method – Design-Bid-Build

Type of Construction – New

Final Project Size – 70,000 gsf

Cost withheld at clients request

Length of Project:

Actual Project Start (Design) – August 2011

Actual Project Completion – Scheduled to be complete late 2014

Project Manager – Bob Clements AIA LEED AP

Project Architect – Mike Anglin, AIA LEED AP

Developer:

Shenzhen Legend Real Property Consulting Company

*Juno Tower 5/F, 1001 Aiguo Road
Shenzhen, PR China*

6. ADDITIONAL INFORMATION

a. PROVIDE ANY ADDITIONAL INFORMATION YOU FEEL MAY BE NECESSARY TO DESCRIBE YOUR FIRMS QUALIFICATIONS. (ATTACH ADDITIONAL SHEETS AS NEEDED.)



Arizona-Sonora Desert Museum
Restaurant and Gallery Complex

Tucson, Arizona
Page 1 of 2

Owner: Arizona-Sonora Desert Museum

Architect and General Contractor: Line and Space, LLC

Size: 20,000 SF

Experience Categories

- Architectural Design
- Activity Center
- Dining Hall; Clubs; Restaurants
- Libraries; Museums; Galleries
- Outdoor Recreation
- Solar Energy Utilization
- Recreation Facilities
- Museums
- Energy Conservation
- Sustainable Design

Can a building communicate a lesson to those who use it? The answer is "yes" in this 20,000 sf restaurant, gift shop, and special events complex at the Arizona Sonora Desert Museum in Tucson, Arizona.

At the world-renowned zoo visited by more than 600,000 people annually, Line and Space created an exhibit on appropriate desert architecture that relies on environmental response as its primary determinant instead of a prescribed Southwestern image. Appropriate materials and an understanding of the climate and land play an important role in the organic relationship that welds structure to earth. This is particularly true at the Desert Museum where the mission is to teach not only the wonders of biological complexity and diversity, but also the meaning of good desert citizenship. To convey this message, the project integrates environmentally sensitive ideas such as recycling, tempered microclimates for outdoor dining created by recycling indoor conditioned exhaust air, proper solar orientation, and transitions between interior and exterior to prevent harsh visual and thermal shocks, and grey water harvesting.

6. ADDITIONAL INFORMATION

a. PROVIDE ANY ADDITIONAL INFORMATION YOU FEEL MAY BE NECESSARY TO DESCRIBE YOUR FIRMS QUALIFICATIONS. (ATTACH ADDITIONAL SHEETS AS NEEDED.)



Arizona Sonora Desert Museum
Restaurant and Gallery Complex
Tucson, Arizona
Page 2 of 2

Light and space must be part and parcel of the architectural image. This idea is exemplified at the entry to the complex, where an overhead lattice tempers the harsh sun and creates a dynamic dance of shadow, while framing an incomparable distant view. It is this type of glorification of the desert that is sought, creating a place that gently says, "Welcome to an adventure". In addition to architect, Line and Space acted as builder of the project.

Awards: 1996 American Institute of Architects Western Mountain Region Honor Award, 1995 Tucson Electric Power Company Energy Award, 1993 University of Arizona Roy P. Drachman Award, 2002 Sonoran Institute Best of Tucson Award, 1998 Arizona Masonry Guild Honor Award, and several other design excellence awards.



6. ADDITIONAL INFORMATION

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Mojave Discovery Center

Red Rock Canyon National Conservation Area,
Nevada
Page 1 of 2

Owner: U.S. Dept. of the Interior Bureau of Land
Management

Architect: Line and Space, LLC

Project Value: \$4.9 Million

Size: 7,600 SF



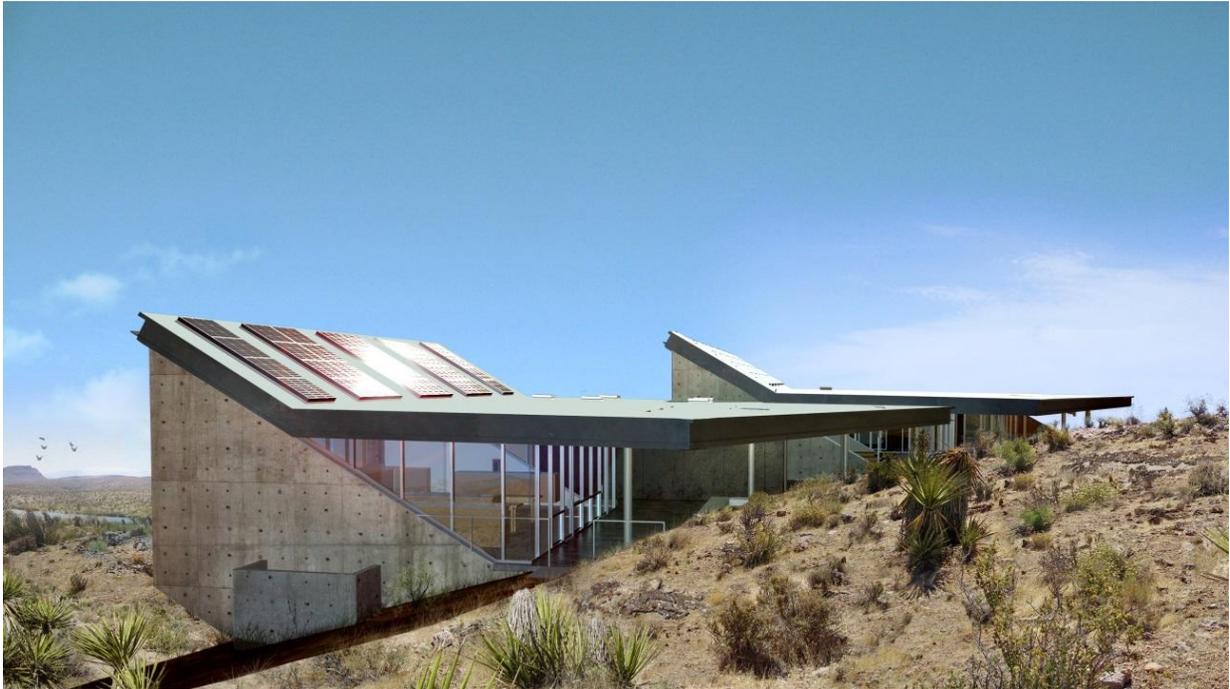
Experience Categories

- Architectural Design
- Activity Centers
- Energy Conservation; New Energy Sources
- Outdoor Recreation
- Solar Energy Utilization
- Libraries; Museums; Galleries
- Educational Facilities; Classrooms
- Conservation and Resource Management
- Community Facilities
- Sustainable Design

The Mojave Discovery Center is dedicated to instilling stewardship by increasing knowledge and understanding of the Mojave Desert ecosystems through a unique experiential discovery program. To emphasize the mission of teaching children respect for the desert environment, design elements of the new building are integrated and expressed to demonstrate that land and life ethic are not separable. The facility is designed to provide an immersive, hands-on experience where 5th graders from the local school district partake in interactive lessons and experiments designed to foster a lasting relationship with the environment. The building will stand as a physical example of how to exist and conserve in the desert by extending usable outdoor space, providing ample shade, harvesting rainwater, generating its own energy, and using natural and durable materials.

6. ADDITIONAL INFORMATION

a. PROVIDE ANY ADDITIONAL INFORMATION YOU FEEL MAY BE NECESSARY TO DESCRIBE YOUR FIRMS QUALIFICATIONS. (ATTACH ADDITIONAL SHEETS AS NEEDED.)



Mojave Discovery Center
Red Rock Canyon National Conservation
Area, Nevada
Page 2 of 2

The transparency of the building is enhanced by using glass walls along the north and south of the building. Sliding glass doors on the education rooms dissolve the separation of inside and outside and nearly double the usable space of the building. By providing useable outdoor spaces, students can interact directly with the environment around them.

Flexible classrooms give children the opportunity to perform experiments that focus on the geology and unique features of the Red Rock Canyon National Conservation Area. The facility is designed to be self-sufficient and uses harvested rainwater for experiments that require water.

Awards: 2009 AIA Southern Arizona Chapter Honor Award



6. ADDITIONAL INFORMATION

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**Rio Vista Elementary School
Addition and Remodel**
Tucson, Arizona

Owner: Amphitheater School District

Architect: Line and Space, LLC

Project Value: \$2.9 Million

Size: 12,130 SF

Experience Categories

- Architectural Design
- Educational Facilities; Classroom
- Lighting (Interior)
- Rehabilitation (Building; Structures; Facilities)
- Solar Energy Utilization
- Energy Conservation
- Sustainable Design



This project includes relocation of administration functions to improve efficiency and enhance security and control of the school, and a new classroom building to meet increased enrollment and to reduce conflicts among students of different age groups. Large windows provide a strong connection to the outdoors and allow abundant daylight to enter classrooms yet are protected from the desert sun by large overhangs that create shaded outdoor teaching areas. Materials/finishes were specifically chosen for their durable, low maintenance characteristics.

6. ADDITIONAL INFORMATION

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World of Words

Tucson, Arizona

Owner: The University of Arizona

Architect: Line and Space, LLC

Project Value: \$640,000

Size: 7,150SF

Experience Categories

- Architectural Design
- Educational Facilities; Classroom
- Energy Conservation
- Disability / Special Needs
- Libraries; Museums; Galleries
- Rehabilitation (Buildings; Structures; Facilities)
- Conservation and Resource Management
- Community Facilities
- Sustainable Design



Part of the College of Education at the University of Arizona, Worlds of Words is an international collection of children's literature, the largest of its kind in the US. A new panoramic window introduces natural daylight into the Library, and reveals incredible views of the surrounding University and the Catalina Mountains beyond. At the interior, what was a collection of "hand-me-down" furniture and finishes showing age and wear became a secure, yet inviting environment for children, students, faculty, staff, and the community. Areas for storytelling, group discussion, and individual study are provided, as well as a studio space for visiting authors and illustrators.

6. ADDITIONAL INFORMATION

a. PROVIDE ANY ADDITIONAL INFORMATION YOU FEEL MAY BE NECESSARY TO DESCRIBE YOUR FIRMS QUALIFICATIONS. (ATTACH ADDITIONAL SHEETS AS NEEDED.)



**The Two
Community Arts Center / Sales Office**

Xiamen, China

Page 1 of 2

Owner: Xiamen Fu Ming Xing Bo Development Company

Architect: Line and Space, LLC

Size: 11,500 SF

Experience Categories

- Architectural Design
- Activity Center
- Conservation and Resource Management
- Educational Facilities' Classroom
- Energy Conservation; New Energy Sources
- Museums
- Solar Energy Utilization
- Sustainable Design

The Jimei New City suburb of Xiamen is an area expected to house 200,000 people in just a few short years. The site is in the middle of the newly developing suburb, currently surrounded by active construction sites. Noise, dust, and undesirable views of construction surround the site. Funded privately by the community's developer, The Two will temporarily function as a sales office, providing offices, discussion spaces, VIP areas, children's play area, presentation theater, and display models of the planned community. Once the development is complete, the building's function will be transformed into a Community Art Center, a landmark for the new community where the public can enjoy exhibits by local and regional artists.

As visitors arrive at the building, an entry path through a park and between two asymptotic black stone walls allows one to remove themselves from the realm of the car. The curving twenty-foot tall walls of honed stone basalt funnel visitors to the entry while screening out undesirable views. These walls create a sense of compression as one moves toward the entry, before releasing visitors into the open interior space.

6. ADDITIONAL INFORMATION

a. PROVIDE ANY ADDITIONAL INFORMATION YOU FEEL MAY BE NECESSARY TO DESCRIBE YOUR FIRMS QUALIFICATIONS. (ATTACH ADDITIONAL SHEETS AS NEEDED.)



The Two
Community Arts Center / Sales Office
Xiamen, China
Page 2 of 2

A large central garden surrounded by curved glass walls brings in daylight and provides a connection to nature. The garden is also designed as a cool air generator, through which air is introduced into the building by operable louvers for natural ventilation. A continuous clerestory that brings daylight to the perimeter of the building integrates louvers to exhaust the heated air that rises to the top of the building.

Awards: 2013 American Institute of Architects, Western Mountain Region Merit Award, 2012 American Institute of Architects, Arizona Chapter Citation Award and 2012 American Institute of Architects, Southern Arizona Chapter Citation Award.



6. ADDITIONAL INFORMATION

a. PROVIDE ANY ADDITIONAL INFORMATION YOU FEEL MAY BE NECESSARY TO DESCRIBE YOUR FIRMS QUALIFICATIONS. (ATTACH ADDITIONAL SHEETS AS NEEDED.)



Eloy Community Center

Eloy, Arizona
Page 1 of 2

Owner: City of Eloy

Architect: Line and Space, LLC

Project Value: \$4.0 Million

Size: 10,000 SF

Experience Categories

- Architectural Design
- Activity Centers
- Conservation and Resource Management
- Libraries; Museums; Galleries
- Solar Energy Utilization
- Rehabilitation (Building; Facilities; Structures)
- Community Facilities
- Sustainable Design



The Eloy Community Center provides learning and meeting spaces for people of all ages and includes multi-purpose spaces that can be used in many different ways, from lectures to arts and crafts. Spaces in the 10,000 sf building are designed to be flexible and are organized in a logical manner to efficiently serve the variety of user expected and the changing needs of the City.

6. ADDITIONAL INFORMATION

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Eloy Community Center

Eloy Arizona

Page 2 of 2

Environmental design strategies such as large roof overhangs also serve a second role by creating comfortable outdoor activity spaces. Materials and finishes were specially chosen for their durable, low maintenance characteristics.

Built in the 1940's at the heart of Eloy's central business district the Dust Bowl Theater gave a growing community a place to relax and enjoy a show. Whether it was the glowing marquee, the neon clock, or the glass ticket booth, the theater was a symbol of a prosperous community that every Eloy native remembers with pride. Through renovation and refurbishment, this historic facility will once again provide a unique experience for community events.

The new multi-generational Eloy Community Center and restoration of the historic Dust Bowl Theater will be one of the first projects undertaken in the revitalization of Eloy's Downtown, serving as a catalyst for future growth and providing a vibrant landmark for the city.



6. ADDITIONAL INFORMATION

a. PROVIDE ANY ADDITIONAL INFORMATION YOU FEEL MAY BE NECESSARY TO DESCRIBE YOUR FIRMS QUALIFICATIONS. (ATTACH ADDITIONAL SHEETS AS NEEDED.)



Southern Arizona Visitors Center Tucson, Arizona

Owner: Business Development Finance Corporation in cooperation with the US Forest Service

Architect: Line and Space, LLC

Project Value: \$5 million

Size: 15,000 SF

Experience Categories

- Architectural Design
- Activity Center
- Area Master Planning
- Conservation and Resource Management
- Sustainable Design
- Libraries' Museums; Galleries
- Recreation Facilities
- Solar Energy Utilization

The unbuilt Southern Arizona Visitor Center, designed for the Congress Street entry to downtown Tucson, is a welcoming gateway and a place of information and inspiration. The Visitor Center mission is to motivate people to discover the beauty, culture, and mystery of Tucson and its surroundings.

Tucson, possibly America's oldest continuously settled community, is a city that takes pride in its culture, history, community, and tradition while looking enthusiastically to the future.

The form of the design is bold and spirited, yet familiar and timeless to the people of the area. From the west, the Visitor Center raises dramatically from the ground with a twelve-foot thick wall of basalt, mined at a local, historic quarry, an allusion of the thick stone Presidio wall that once surrounded Tucson when the city was just an outpost on the edge of the American frontier. The visible copper roof will remind one of the importance of Arizona's copper mining industries to the region's development & economy.

6. ADDITIONAL INFORMATION

a. PROVIDE ANY ADDITIONAL INFORMATION YOU FEEL MAY BE NECESSARY TO DESCRIBE YOUR FIRMS QUALIFICATIONS. (ATTACH ADDITIONAL SHEETS AS NEEDED.)



Tucson City Hall Lobby Renovation
Tucson, Arizona

Owner: City of Tucson

Architect: Line and Space, LLC

Project Value: \$150,000

Size: 2,200 SF

Experience Categories

- Architectural design
- Lighting (Interior)
- Solar Energy Utilization / Daylighting
- Rehabilitation (Buildings; Structures; Facilities)
- Community Facilities
- Sustainable Design

This 2,200 sf remodel revived the worn and aged lobby space of City Hall in Tucson, Arizona, and enhances the public face of City Hall. The remodel provides an open and welcoming space for facility visitors and employees.

Art displays and public information kiosks are set against a backdrop of suspended, translucent white glass partitions that provide a sense of enclosure yet allow light to filter through to the city offices behind. Workspaces for receptionists and the security guard station consist of custom maple and polished black granite millwork.

The remodel utilizes existing mechanical and electrical systems and was coordinated to allow uninterrupted, continued use of City Hall during construction.

6. ADDITIONAL INFORMATION

a. PROVIDE ANY ADDITIONAL INFORMATION YOU FEEL MAY BE NECESSARY TO DESCRIBE YOUR FIRMS QUALIFICATIONS. (ATTACH ADDITIONAL SHEETS AS NEEDED.)



City of Tucson Linear Parks

Project Potty

Tucson, Arizona

Owner: Pima County

Architect: Line and Space, LLC

Project Value: \$50,000

Size: 230 SF

Experience Categories

- Architectural Design
- Area Master Planning
- Landscape Architecture
- Energy Conservation; New Energy Sources
- Solar Energy Utilization
- Recreational Facilities
- Exterior Lighting
- Sustainable Design

Along the banks of Tucson's largest washes in Pima County, Arizona, stretch 105 miles of linear parks. These linear parks provide residents with an interconnected recreation greenbelt. Under the authority of the Pima County Dept. of Transportation and Flood Control, the Linear Parks Restrooms are scattered along the banks of the usually dry washes to serve the public. Initial designs were complete in 1989, but due to the multiple phases of the project and the expanse of the parks along several river systems, construction of the facilities continues today.

The design involves a re-evaluation of what a public restroom wants to be. As a prototype, they were designed to break stereotypical patterns of public restrooms. The solution is both sculptural and modular, lending beauty to the park, while providing a generic "kit of parts," easily modified to make the facilities site specific. The design is based upon actual needs, rather than preconceived notions; the design addresses issues of function, accessibility, maintenance, contextual/site issues, territoriality, way finding, visual aesthetics, and cultural response.

6. ADDITIONAL INFORMATION

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Hickison Petroglyph Recreation Area Upgrades

Battle Mountain, Nevada

Owner: U.S. Dept. of the Interior Bureau of
Land Management

Architect: Line and Space, LLC

Project Value: \$2.8 Million

Experience Categories

- Area Master Planning
- Conservation and Resource Management
- Energy Conservation; New Energy Sources
- Recreational Facilities
- Solar Energy Utilization
- Outdoor Recreation
- Sustainable Design

The Hickison Petroglyph Recreation Area is located in a remote, environmentally sensitive high desert region in central Nevada and offers long vistas, shade, and an opportunity for visitors to learn about early Native Americans living, hunting, and drawing on rock in this area. The park features hiking trails winding among multiple petroglyph panels, high-desert flora and fauna, and dramatic views of surrounding mountain ranges and valleys.

The existing Hickison Petroglyph Recreation site consists of a large day-use parking site with multiple overnight camping sites. Initially constructed in the 1960's, Hickison was originally designed for recreational vehicles available at that time. Over time, RV's have become larger with bigger turning radii.

Line and Space's design for the campground upgrade includes drives to provide for modern camping vehicles and needs, new accessible walks, 20 new additional campsites with amenities including some accessible campsites, a camp host site, shade structures, accessible vault toilets, power generating photovoltaic electrical systems, waste stations, and landscaping.

To minimize disturbance on the site and preserve natural vegetation new drives and camping sites utilize existing disturbed areas. Trees and vegetation were avoided when planning new improvements to enhance the environment and retain existing landscape character. The few trees that must be removed will be salvaged and replanted. Proper solar orientation for use areas and photovoltaic needs guided the design. Included in the planning, are a future fee station at the entry and an outdoor amphitheater with interpretive display that will provide a venue for, education, and special events/gatherings.

6. ADDITIONAL INFORMATION

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The RRDLC Flex Pods are flexible laboratory/classroom spaces hovering over an easily damaged riparian area. 5th graders learn lessons about the fragility of the Mojave Desert in a special setting, without causing harm.

Red Rock Desert Learning Center
Red Rock Canyon Conservation Area, Nevada
Page 1 of 2

Owner: U.S. Dept. of the Interior Bureau of Land Management

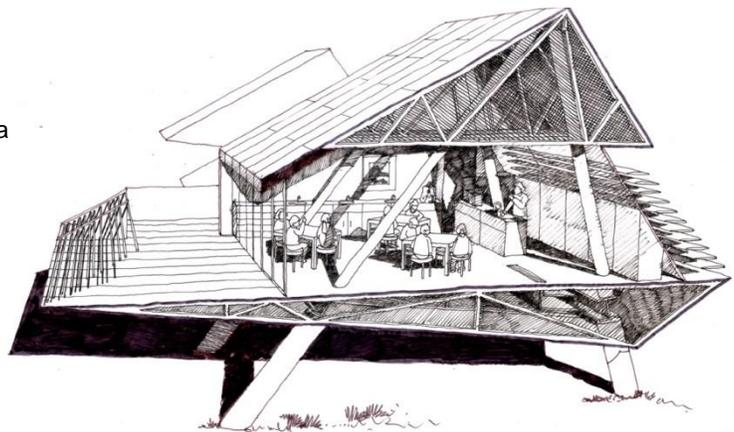
Architect: Line and Space, LLC

Project Value: \$38 Million

Size: 50,000 SF

Experience Categories

- Architectural Design
- Area Master Planning
- Conservation and Resource Management
- Dining Hall; Clubs; Restaurants
- Energy Conservation; New Energy Sources
- Libraries; Museums; Galleries
- Recreation Facilities
- Solar Energy Utilizations
- Outdoor Recreation
- Sustainable Design



Line and Space has completed design development for the Red Rock Desert Learning Center on a 300-acre historic ranch west of Las Vegas, Nevada. The campus, conceived as a Mojave Desert immersion experience, includes separate administration, dining hall, dormitories, laboratories, instructor housing, support buildings, site infrastructure, and adaptive reuse of historic structures. Teaching venues such as a greenhouse, art pavilion, 600-foot solar bridge lined with tracking photovoltaic panels, lysimeter, weather station, astronomical observatory, ruins, and wetlands are dispersed around the campus.

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Red Rock Desert Learning Center
Red Rock Canyon Conservation Area, Nevada
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Since teaching students to take personal responsibility for the environment is fundamental to the curriculum, buildings such as dorms and labs will depend heavily upon actively-managed passive energy techniques such as controlling night sky radiation, solar gain, and convective ventilation. Each component of the campus is designed to allow students to play an active role in their specific environment. The Center will have opportunities for students to control their energy usage by manipulating devices that regulate daylighting, natural ventilation, and diurnal temperature changes relative to thermal mass. Through interpretive exhibits, the dormitories will have measurable water usage and the dining hall will have food waste calculators, composting, and visible water reclamation. Components of the project are designed to achieve LEED Platinum.

Awards: 2007 American Institute of Architects, Southern Arizona Chapter Merit Award (unbuilt)

The Solar Bridge, elevated over fragile soils, provides access to the Flex Pods and is shaded by photovoltaic panels that track the sun along two axes. Joystick controls allow students to override the automatic tracking to understand and study efficiencies of the solar panels' orientation.



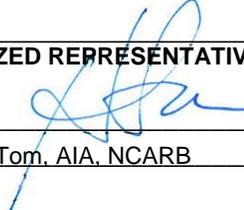
In the central Dining Hall, digital monitors display real-time school resource conservation data and tallies the successes students achieve in decreasing waste, increasing recycling, saving and harvesting water, and harvesting and reducing energy consumption.

**RFQ# ADSP014-00003465, Annual Request for Qualifications and Experience
REVISED - Attachment I – General Qualifications**

7. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

a.	Percentage of Total Work Attributable to State, Federal and Municipal Government Work:	20%
b.	Percentage of Total Work Attributable to Non-Government Work:	80%

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

Signature:  _____ Date: December 18, 2014
Name: Henry Tom, AIA, NCARB _____ Title: Principal in Charge