

# ARCHITECT-ENGINEER QUALIFICATIONS

OMB No.: 9000-0157

Expires: 10/31/2014

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## PURPOSE

Federal agencies use this form to obtain information from architect-engineer (A-E) firms about their professional qualifications. Federal agencies select firms for A-E contracts on the basis of professional qualifications as required by 40 U.S.C. chapter 11, Selection of Architects Engineers, and Part 36 of the Federal Acquisition Regulation (FAR).

The Selection of Architects and Engineers statute requires the public announcement of requirements for A-E services (with some exceptions provided by other statutes), and the selection of at least three of the most highly qualified firms based on demonstrated competence and professional qualifications according to specific criteria published in the announcement. The Act then requires the negotiation of a contract at a fair and reasonable price starting first with the most highly qualified firm.

The information used to evaluate firms is from this form and other sources, including performance evaluations, any additional data requested by the agency, and interviews with the most highly qualified firms and their references.

## GENERAL INSTRUCTIONS

Part I presents the qualifications for a specific contract.

Part II presents the general qualifications of a firm or a specific branch office of a firm. Part II has two uses:

1. An A-E firm may submit Part II to the appropriate central, regional or local office of each Federal agency to be kept on file. A public announcement is not required for certain contracts, and agencies may use Part II as a basis for selecting at least three of the most highly qualified firms for discussions prior to requesting submission of Part I. Firms are encouraged to update Part II on file with agency offices, as appropriate, according to FAR Part 36. If a firm has branch offices, submit a separate Part II for each branch office seeking work.

2. Prepare a separate Part II for each firm that will be part of the team proposed for a specific contract and submitted with Part I. If a firm has branch offices, submit a separate Part II for each branch office that has a key role on the team.

## INDIVIDUAL AGENCY INSTRUCTIONS

Individual agencies may supplement these instructions. For example, they may limit the number of projects or number of

pages submitted in Part I in response to a public announcement for a particular project. Carefully comply with any agency instructions when preparing and submitting this form. Be as concise as possible and provide only the information requested by the agency.

## DEFINITIONS

**Architect-Engineer Services:** Defined in FAR 2.101.

**Branch Office:** A geographically distinct place of business or subsidiary office of a firm that has a key role on the team.

**Discipline:** Primary technical capabilities of key personnel, as evidenced by academic degree, professional registration, certification, and/or extensive experience.

**Firm:** Defined in FAR 36.102.

**Key Personnel:** Individuals who will have major contract responsibilities and/or provide unusual or unique expertise.

## SPECIFIC INSTRUCTIONS

### Part I - Contract-Specific Qualifications

#### Section A. Contract Information.

1. Title and Location. Enter the title and location of the contract for which this form is being submitted, exactly as shown in the public announcement or agency request.

2. Public Notice Date. Enter the posted date of the agency's notice on the Federal Business Opportunity website (FedBizOpps), other form of public announcement or agency request for this contract.

3. Solicitation or Project Number. Enter the agency's solicitation number and/or project number, if applicable, exactly as shown in the public announcement or agency request for this contract.

#### Section B. Architect-Engineer Point of Contact.

4-8. Name, Title, Name of Firm, Telephone Number, Fax (Facsimile) Number and E-mail (Electronic Mail) Address. Provide information for a representative of the prime contractor or joint venture that the agency can contact for additional information.

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Section C. Proposed Team.

9-11. Firm Name, Address, and Role in This Contract. Provide the contractual relationship, name, full mailing address, and a brief description of the role of each firm that will be involved in performance of this contract. List the prime contractor or joint venture partners first. If a firm has branch offices, indicate each individual branch office that will have a key role on the team. The named subcontractors and outside associates or consultants must be used, and any change must be approved by the contracting officer. (See FAR Part 52 Clause "Subcontractors and Outside Associates and Consultants (Architect-Engineer Services)".) Attach an additional sheet in the same format as Section C if needed.

Section D. Organizational Chart of Proposed Team.

As an attachment after Section C, present an organizational chart of the proposed team showing the names and roles of all key personnel listed in Section E and the firm they are associated with as listed in Section C.

Section E. Resumes of Key Personnel Proposed for This Contract.

Complete this section for each key person who will participate in this contract. Group by firm, with personnel of the prime contractor or joint venture partner firms first. The following blocks must be completed for each resume:

12. Name. Self-explanatory.

13. Role in This Contract. Self-explanatory.

14. Years Experience. Total years of relevant experience (block 14a), and years of relevant experience with current firm, but not necessarily the same branch office (block 14b).

15. Firm Name and Location. Name, city and state of the firm where the person currently works, which must correspond with one of the firms (or branch office of a firm, if appropriate) listed in Section C.

16. Education. Provide information on the highest relevant academic degree(s) received. Indicate the area(s) of specialization for each degree.

17. Current Professional Registration. Provide information on current relevant professional registration(s) in a State or possession of the United States, Puerto Rico, or the District of Columbia according to FAR Part 36.

18. Other Professional Qualifications. Provide information on any other professional qualifications relating to this contract, such as education, professional registration, publications, organizational memberships, certifications, training, awards, and foreign language capabilities.

19. Relevant Projects. Provide information on up to five projects in which the person had a significant role that demonstrates the person's capability relevant to her/his proposed role in this contract. These projects do not necessarily have to be any of the projects presented in Section F for the project team if the person was not involved in any of those projects or the person worked on other projects that were more relevant than the team projects in Section F. Use the check box provided to indicate if the project was performed with any office of the current firm. If any of the professional services or construction projects are not complete, leave Year Completed blank and indicate the status in Brief Description and Specific Role (block (3)).

Section F. Example Projects Which Best Illustrate Proposed Team's Qualifications for This Contract.

Select projects where multiple team members worked together, if possible, that demonstrate the team's capability to perform work similar to that required for this contract. Complete one Section F for each project. Present ten projects, unless otherwise specified by the agency. Complete the following blocks for each project:

20. Example Project Key Number. Start with "1" for the first project and number consecutively.

21. Title and Location. Title and location of project or contract. For an indefinite delivery contract, the location is the geographic scope of the contract.

22. Year Completed. Enter the year completed of the professional services (such as planning, engineering study, design, or surveying), and/or the year completed of construction, if applicable. If any of the professional services or the construction projects are not complete, leave Year Completed blank and indicate the status in Brief Description of Project and Relevance to This Contract (block 24).

23a. Project Owner. Project owner or user, such as a government agency or installation, an institution, a corporation or private individual.

23b. Point of Contact Name. Provide name of a person associated with the project owner or the organization which contracted for the professional services, who is very familiar with the project and the firm's (or firms') performance.

23c. Point of Contact Telephone Number Self-explanatory.

24. Brief Description of Project and Relevance to This Contract. Indicate scope, size, cost, principal elements and special features of the project. Discuss the relevance of the example project to this contract. Enter any other information requested by the agency for each example project.

25. Firms from Section C Involved with This Project. Indicate which firms (or branch offices, if appropriate) on the project team were involved in the example project, and their roles. List in the same order as Section C.

Section G. Key Personnel Participation in Example Projects.

This matrix is intended to graphically depict which key personnel identified in Section E worked on the example projects listed in Section F. Complete the following blocks (see example below).

26. and 27. Names of Key Personnel and Role in This Contract. List the names of the key personnel and their proposed roles in this contract in the same order as they appear in Section E.

28. Example Projects Listed in Section F. In the column under each project key number (see block 29) and for each key person, place an "X" under the project key number for participation in the same or similar role.

29. Example Projects Key. List the key numbers and titles of the example projects in the same order as they appear in Section F.

Section H. Additional Information.

30. Use this section to provide additional information specifically requested by the agency or to address selection criteria that are not covered by the information provided in Sections A-G.

Section I. Authorized Representative.

31. and 32. Signature of Authorized Representative and Date. An authorized representative of a joint venture or the prime contractor must sign and date the completed form. Signing attests that the information provided is current and factual, and that all firms on the proposed team agree to work on the project. Joint ventures selected for negotiations must make available a statement of participation by a principal of each member of the joint venture.

33. Name and Title. Self-explanatory.

**SAMPLE ENTRIES FOR SECTION G (MATRIX)**

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below first, before completing table. Place "X" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
Jane A. Smith	Chief Architect	X		X							
Joseph B. Williams	Chief Mech. Engineer	X	X	X	X						
Tara C. Donovan	Chief Elec. Engineer	X	X		X						

**29. EXAMPLE PROJECTS KEY**

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Federal Courthouse, Denver, CO	6	XYZ Corporation Headquarters, Boston, MA
2	Justin J. Wilson Federal Building, Baton Rouge, LA	7	Founder's Museum, Newport RI

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## Part II - General Qualifications

See the " **General Instructions** " on page 1 for firms with branch offices. Prepare Part II for the specific branch office seeking work if the firm has branch offices.

1. Solicitation Number. If Part II is submitted for a specific contract, insert the agency's solicitation number and/or project number, if applicable, exactly as shown in the public announcement or agency request.

2a-2e. Firm (or Branch Office) Name and Address. Self-explanatory.

3. Year Established. Enter the year the firm (or branch office, if appropriate) was established under the current name.

4. DUNS Number. Insert the Data Universal Numbering System number issued by Dun and Bradstreet Information Services. Firms must have a DUNS number. See FAR Part 4.6.

### 5. Ownership.

a. Type. Enter the type of ownership or legal structure of the firm (sole proprietor, partnership, corporation, joint venture, etc.).

b. Small Business Status. Refer to the North American Industry Classification System (NAICS) code in the public announcement, and indicate if the firm is a small business according to the current size standard for that NAICS code (for example, Engineering Services (part of NAICS 541330), Architectural Services (NAICS 541310), Surveying and Mapping Services (NAICS 541370)). The small business categories and the internet website for the NAICS codes appear in FAR Part 19. Contact the requesting agency for any questions. Contact your local U.S. Small Business Administration office for any questions regarding Business Status.

6a-6c. Point of Contact. Provide this information for a representative of the firm that the agency can contact for additional information. The representative must be empowered to speak on contractual and policy matters.

7. Name of Firm. Enter the name of the firm if Part II is prepared for a branch office.

8a-8c. Former Firm Names. Indicate any other previous names for the firm (or branch office) during the last six years. Insert the year that this corporate name change was

effective and the associated DUNS Number. This information is used to review past performance on Federal contracts.

9. Employees by Discipline. Use the relevant disciplines and associated function codes shown at the end of these instructions and list in the same numerical order. After the listed disciplines, write in any additional disciplines and leave the function code blank. List no more than 20 disciplines. Group remaining employees under "Other Employees" in column b. Each person can be counted only once according to his/her primary function. If Part II is prepared for a firm (including all branch offices), enter the number of employees by disciplines in column c(1). If Part II is prepared for a branch office, enter the number of employees by discipline in column c(2) and for the firm in column c(1).

10. Profile of Firm's Experience and Annual Average Revenue for Last 5 Years. Complete this block for the firm or branch office for which this Part II is prepared. Enter the experience categories which most accurately reflect the firm's technical capabilities and project experience. Use the relevant experience categories and associated profile codes shown at the end of these instructions, and list in the same numerical order. After the listed experience categories, write in any unlisted relevant project experience categories and leave the profile codes blank. For each type of experience, enter the appropriate revenue index number to reflect the professional services revenues received annually (averaged over the last 5 years) by the firm or branch office for performing that type of work. A particular project may be identified with one experience category or it may be broken into components, as best reflects the capabilities and types of work performed by the firm. However, do not double count the revenues received on a particular project.

11. Annual Average Professional Services Revenues of Firm for Last 3 Years. Complete this block for the firm or branch office for which this Part II is prepared. Enter the appropriate revenue index numbers to reflect the professional services revenues received annually (averaged over the last 3 years) by the firm or branch office. Indicate Federal work (performed directly for the Federal Government, either as the prime contractor or subcontractor), non-Federal work (all other domestic and foreign work, including Federally-assisted projects), and the total. If the firm has been in existence for less than 3 years, see the definition for "Annual Receipts" under FAR 19.101.

12. Authorized Representative. An authorized representative of the firm or branch office must sign and date the completed form. Signing attests that the information provided is current and factual. Provide the name and title of the authorized representative who signed the form.

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List of Disciplines (Function Codes)

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Code	Description	Code	Description
01	Acoustical Engineer	32	Hydraulic Engineer
02	Administrative	33	Hydrographic Surveyor
03	Aerial Photographer	34	Hydrologist
04	Aeronautical Engineer	35	Industrial Engineer
05	Archeologist	36	Industrial Hygienist
06	Architect	37	Interior Designer
07	Biologist	38	Land Surveyor
08	CADD Technician	39	Landscape Architect
09	Cartographer	40	Materials Engineer
10	Chemical Engineer	41	Materials Handling Engineer
11	Chemist	42	Mechanical Engineer
12	Civil Engineer	43	Mining Engineer
13	Communications Engineer	44	Oceanographer
14	Computer Programmer	45	Photo Interpreter
15	Construction Inspector	46	Photogrammetrist
16	Construction Manager	47	Planner: Urban/Regional
17	Corrosion Engineer	48	Project Manager
18	Cost Engineer/Estimator	49	Remote Sensing Specialist
19	Ecologist	50	Risk Assessor
20	Economist	51	Safety/Occupational Health Engineer
21	Electrical Engineer	52	Sanitary Engineer
22	Electronics Engineer	53	Scheduler
23	Environmental Engineer	54	Security Specialist
24	Environmental Scientist	55	Soils Engineer
25	Fire Protection Engineer	56	Specifications Writer
26	Forensic Engineer	57	Structural Engineer
27	Foundation/Geotechnical Engineer	58	Technician/Analyst
28	Geodetic Surveyor	59	Toxicologist
29	Geographic Information System Specialist	60	Transportation Engineer
30	Geologist	61	Value Engineer
31	Health Facility Planner	62	Water Resources Engineer

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List of Experience Categories (Profile Codes)

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Code	Description	Code	Description
A01	Acoustics, Noise Abatement	E01	Ecological & Archeological Investigations
A02	Aerial Photography; Airborne Data and Imagery Collection and Analysis	E02	Educational Facilities; Classrooms
A03	Agricultural Development; Grain Storage; Farm Mechanization	E03	Electrical Studies and Design
A04	Air Pollution Control	E04	Electronics
A05	Airports; Navaids; Airport Lighting; Aircraft Fueling	E05	Elevators; Escalators; People-Movers
A06	Airports; Terminals and Hangars; Freight Handling	E06	Embassies and Chanceries
A07	Arctic Facilities	E07	Energy Conservation; New Energy Sources
A08	Animal Facilities	E08	Engineering Economics
A09	Anti-Terrorism/Force Protection	E09	Environmental Impact Studies, Assessments or Statements
A10	Asbestos Abatement	E10	Environmental and Natural Resource Mapping
A11	Auditoriums & Theaters	E11	Environmental Planning
A12	Automation; Controls; Instrumentation	E12	Environmental Remediation
B01	Barracks; Dormitories	E13	Environmental Testing and Analysis
B02	Bridges	F01	Fallout Shelters; Blast-Resistant Design
C01	Cartography	F02	Field Houses; Gyms; Stadiums
C02	Cemeteries ( <i>Planning &amp; Relocation</i> )	F03	Fire Protection
C03	Charting: Nautical and Aeronautical	F04	Fisheries; Fish ladders
C04	Chemical Processing & Storage	F05	Forensic Engineering
C05	Child Care/Development Facilities	F06	Forestry & Forest products
C06	Churches; Chapels	G01	Garages; Vehicle Maintenance Facilities; Parking Decks
C07	Coastal Engineering	G02	Gas Systems (Propane; Natural, Etc.)
C08	Codes; Standards; Ordinances	G03	Geodetic Surveying: Ground and Air-borne
C09	Cold Storage; Refrigeration and Fast Freeze	G04	Geographic Information System Services: Development, Analysis, and Data Collection
C10	Commercial Building ( <i>low rise</i> ) ; Shopping Centers	G05	Geospatial Data Conversion: Scanning, Digitizing, Compilation, Attributing, Scribing, Drafting
C11	Community Facilities	G06	Graphic Design
C12	Communications Systems; TV; Microwave	H01	Harbors; Jetties; Piers, Ship Terminal Facilities
C13	Computer Facilities; Computer Service	H02	Hazardous Materials Handling and Storage
C14	Conservation and Resource Management	H03	Hazardous, Toxic, Radioactive Waste Remediation
C15	Construction Management	H04	Heating; Ventilating; Air Conditioning
C16	Construction Surveying	H05	Health Systems Planning
C17	Corrosion Control; Cathodic Protection; Electrolysis	H06	Highrise; Air-Rights-Type Buildings
C18	Cost Estimating; Cost Engineering and Analysis; Parametric Costing; Forecasting	H07	Highways; Streets; Airfield Paving; Parking Lots
C19	Cryogenic Facilities	H08	Historical Preservation
D01	Dams ( <i>Concrete; Arch</i> )	H09	Hospital & Medical Facilities
D02	Dams ( <i>Earth; Rock</i> ); Dikes; Levees	H10	Hotels; Motels
D03	Desalinization ( <i>Process &amp; Facilities</i> )	H11	Housing ( <i>Residential, Multi-Family; Apartments; Condominiums</i> )
D04	Design-Build - Preparation of Requests for Proposals	H12	Hydraulics & Pneumatics
D05	Digital Elevation and Terrain Model Development	H13	Hydrographic Surveying
D06	Digital Orthophotography		
D07	Dining Halls; Clubs; Restaurants		
D08	Dredging Studies and Design		

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List of Experience Categories (Profile Codes)

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Code	Description	Code	Description
I01	Industrial Buildings; Manufacturing Plants	P09	Product, Machine Equipment Design
I02	Industrial Processes; Quality Control	P10	Pneumatic Structures, Air-Support Buildings
I03	Industrial Waste Treatment	P11	Postal Facilities
I04	Intelligent Transportation Systems	P12	Power Generation, Transmission, Distribution
I05	Interior Design; Space Planning	P13	Public Safety Facilities
I06	Irrigation; Drainage	R01	Radar; Sonar; Radio & Radar Telescopes
J01	Judicial and Courtroom Facilities	R02	Radio Frequency Systems & Shieldings
L01	Laboratories; Medical Research Facilities	R03	Railroad; Rapid Transit
L02	Land Surveying	R04	Recreation Facilities (Parks, Marinas, Etc.)
L03	Landscape Architecture	R05	Refrigeration Plants/Systems
L04	Libraries; Museums; Galleries	R06	Rehabilitation (Buildings; Structures; Facilities)
L05	Lighting (Interior; Display; Theater, Etc.)	R07	Remote Sensing
L06	Lighting (Exteriors; Streets; Memorials; Athletic Fields, Etc.)	R08	Research Facilities
M01	Mapping Location/Addressing Systems	R09	Resources Recovery; Recycling
M02	Materials Handling Systems; Conveyors; Sorters	R10	Risk Analysis
M03	Metallurgy	R11	Rivers; Canals; Waterways; Flood Control
M04	Microclimatology; Tropical Engineering	R12	Roofing
M05	Military Design Standards	S01	Safety Engineering; Accident Studies; OSHA Studies
M06	Mining & Mineralogy	S02	Security Systems; Intruder & Smoke Detection
M07	Missile Facilities (Silos; Fuels; Transport)	S03	Seismic Designs & Studies
M08	Modular Systems Design; Pre-Fabricated Structures or Components	S04	Sewage Collection, Treatment and Disposal
N01	Naval Architecture; Off-Shore Platforms	S05	Soils & Geologic Studies; Foundations
N02	Navigation Structures; Locks	S06	Solar Energy Utilization
N03	Nuclear Facilities; Nuclear Shielding	S07	Solid Wastes; Incineration; Landfill
O01	Office Buildings; Industrial Parks	S08	Special Environments; Clean Rooms, Etc.
O02	Oceanographic Engineering	S09	Structural Design; Special Structures
O03	Ordnance; Munitions; Special Weapons	S10	Surveying; Platting; Mapping; Flood Plain Studies
P01	Petroleum Exploration; Refining	S11	Sustainable Design
P02	Petroleum and Fuel (Storage and Distribution)	S12	Swimming Pools
P03	Photogrammetry	S13	Storm Water Handling & Facilities
P04	Pipelines (Cross-Country - Liquid & Gas)	T01	Telephone Systems ( <i>Rural; Mobile; Intercom, Etc.</i> )
P05	Planning (Community, Regional, Areawide and State)	T02	Testing & Inspection Services
P06	Planning (Site, Installation, and Project)	T03	Traffic & Transportation Engineering
P07	Plumbing & Piping Design	T04	Topographic Surveying and Mapping
P08	Prisons & Correctional Facilities	T05	Towers ( <i>Self-Supporting &amp; Guyed Systems</i> )
		T06	Tunnels & Subways

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List of Experience Categories (Profile Codes)

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<b>Code</b>	<b>Description</b>
U01	Unexploded Ordnance Remediation
U02	Urban Renewals; Community Development
U03	Utilities (Gas and Steam)
V01	Value Analysis; Life-Cycle Costing
W01	Warehouses & Depots
W02	Water Resources; Hydrology; Ground Water
W03	Water Supply; Treatment and Distribution
W04	Wind Tunnels; Research/Testing Facilities Design
Z01	Zoning; Land Use Studies



# ARCHITECT - ENGINEER QUALIFICATIONS

## PART I - CONTRACT-SPECIFIC QUALIFICATIONS

### A. CONTRACT INFORMATION

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

Light Industrial Projects, Sacramento District US Army Corps of Engineers

2. PUBLIC NOTICE DATE

10 OCT XX

3. SOLICITATION OR PROJECT NUMBER

### B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

A. Jordan Hamilton, AIA, President and Gordon Sparr, AIA, Vice President

5. NAME OF FIRM

MARGOLIN PLANNERS

6. TELEPHONE NUMBER

(602) 999-8300

7. FAX NUMBER

(602) 999-8500

8. E-MAIL ADDRESS

ajhamilton@margolinplanners.com

### C. PROPOSED TEAM

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

	<i>(Check)</i>			9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	J-V PARTNER	SUBCONTRACTOR			
a.	✓			MARGOLIN PLANNERS  <input type="checkbox"/> CHECK IF BRANCH OFFICE	2020 East Jones Lane Phoenix, Arizona 85016	Principal Architect
b.			✓	Norton Blanton, Inc (Small Disadvantaged Business)  <input type="checkbox"/> CHECK IF BRANCH OFFICE	890 West Virginia Avenue, Suite 555 Phoenix, Arizona 85014	Structural Engineering
c.			✓	Diverse Engineers, Inc (Small Disadvantaged Business)  <input type="checkbox"/> CHECK IF BRANCH OFFICE	250 West Way Tempe, Arizona 85282	Mechanical, Plumbing & Electrical Engineering - Fire Protection
d.			✓	MC Cully & Associates  <input type="checkbox"/> CHECK IF BRANCH OFFICE	3375 East Middleton Road, Suite 777 Phoenix, Arizona 85016	Civil Engineering
e.			✓	Reston & Associates  <input type="checkbox"/> CHECK IF BRANCH OFFICE	88567 Victory Avenue Phoenix, Arizona 85029	Geotechnical Engineering & Materials Testing
f.			✓	G. W. Schultz, Inc (Small Women Owned Business)  <input type="checkbox"/> CHECK IF BRANCH OFFICE	66555 87th Street, NE, Suite 304 Scottsdale, Arizona 85260	Landscape Architecture

### D. ORGANIZATIONAL CHART OF PROPOSED TEAM

*(Attached)*

# ARCHITECT - ENGINEER QUALIFICATIONS

## PART I - CONTRACT-SPECIFIC QUALIFICATIONS

### A. CONTRACT INFORMATION

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

2. PUBLIC NOTICE DATE

3. SOLICITATION OR PROJECT NUMBER

### B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

5. NAME OF FIRM

6. TELEPHONE NUMBER

7. FAX NUMBER

8. E-MAIL ADDRESS

### C. PROPOSED TEAM

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

	<i>(Check)</i>			9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	J-V PARTNER	SUBCONTRACTOR			
a.				Princet, Inc. (Small Business)  <input type="checkbox"/> CHECK IF BRANCH OFFICE	9800 Mill Valley Road Tempe, Arizona 85282	Asbestos/Industrial Hygiene/ Materials Testing
b.				Chapparell Construction (Small Business)  <input type="checkbox"/> CHECK IF BRANCH OFFICE	2525 East 99th Street Scottsdale, Arizona 85250	Estimates Cost Estimating
c.				   <input type="checkbox"/> CHECK IF BRANCH OFFICE		
d.				   <input type="checkbox"/> CHECK IF BRANCH OFFICE		
e.				   <input type="checkbox"/> CHECK IF BRANCH OFFICE		
f.				   <input type="checkbox"/> CHECK IF BRANCH OFFICE		

### D. ORGANIZATIONAL CHART OF PROPOSED TEAM

*(Attached)*

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME  A. Jordan Hamilton, AIA, President	13. ROLE IN THIS CONTRACT  Principal in Charge of Design	14. YEARS EXPERIENCE	
		a. TOTAL 31	b. WITH CURRENT FIRM 21

15. FIRM NAME AND LOCATION *(City and State)*  
MARGOLIN PLANNERS, Phoenix, Arizona

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i>  Bachelor of Architecture, 1981 Cornell University	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i>  1984, Architect, Ohio 1991, Architect, Arizona
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
He has served as the Principal in charge of many military projects, including many aircraft hangars & engine maintenance shops, flights simulators, a flight simulator laboratory. National Guard armories and security projects, and is thoroughly familiar with military procedures and requirements.

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>  Special Vehicle Storage Facility, Vandenberg AFB, CA	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i>

a. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm  
16,000 square foot facility to house large missile carriers. The 7-bay structure includes a wash bay and hazardous materials storage.

(1) TITLE AND LOCATION <i>(City and State)</i>  Combined Support Maintenance Shop, Arizona National Guard Phoenix, AZ	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i>

b. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm  
\$9,374,000, 93,000 square foot facility designed to maintain all of the Arizona National Guard's vehicles and ground equipment.

(1) TITLE AND LOCATION <i>(City and State)</i>  America West Airlines Technical Support Hangar and Maintenance Shops, Phoenix, Arizona	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010	CONSTRUCTION <i>(If applicable)</i>

c. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm  
350,000 square foot facility consisting of a 4-bay, 135,000 square (fully grounded, non-conductive, hardened floor), engine, sheet metal, electronic, composite and paint shops with hazardous materials storage, 5,000 square foot avionics laboratory, a 100,000 square foot storage warehouse, and a 2-bay simulator facility. The facility is protected with pre-active AFFF (aqueous film-forming foam) and has lightning protection

(1) TITLE AND LOCATION <i>(City and State)</i>  AASF#3, Silverbell Heliport	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If applicable)</i>

d. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm  
Apache helicopter hangar and maintenance facility, 8-bay hangar, special grounding system, paint and maintenance shops. Arms storage vault with J-SIIDS protection, aircraft operations, flight equipment storage, administration and training. The hangar is pre-active fire protected and has lightning protection.

(1) TITLE AND LOCATION <i>(City and State)</i>  Western Army Aviation Training Site (WAATS), Arizona Army National Guard	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i>

e. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm  
Arizona Army National Guard command headquarters. Halon protected simulator/computer room, pilot training, 60-room dormitory with medical and dining facilities. Solar hot water heating and storage.

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME  Gordon Sparr, AIA, Vice-President	13. ROLE IN THIS CONTRACT  Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 30	b. WITH CURRENT FIRM 17

15. FIRM NAME AND LOCATION *(City and State)*  
MARGOLIN PLANNERS, Phoenix, AZ

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i>  Bachelor of Architecture, 1982 University of Minnesota	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i>  1984, Architect, Arizona 1982, NCARB 1991, Architect, Nevada
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
He is registered Value Analysis and is very involved in the design of accessibility for the disabled.

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i> Composite Maintenance Facility, Luke AFB Glendale, AZ	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If applicable)</i>

a. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm  
This 12,500 square foot facility avionics instrument shop, a precision measurement equipment lab and a pneudraulics and electro-environmental shop.

(1) TITLE AND LOCATION <i>(City and State)</i> Lufthansa German Airlines Airline Training Center, Phoenix, AZ	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If applicable)</i>

b. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm  
Phoenix-Goodyear Municipal Airport - avionics lab, administration, flight simulation with computer support, classrooms, operations, dining, dormitories and maintenance hangars. Emergency power, lightning protection.

(1) TITLE AND LOCATION <i>(City and State)</i> City of Phoenix Public Transit Maintenance Facility, Phoenix, Arizona	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2009	CONSTRUCTION <i>(If applicable)</i>

c. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm  
Facility includes administration, training, maintenance and storage areas. Existing security system has been expanded to include card reader access and intrusion detection and emergency generators have been provided. Value \$ 2,800,000.

(1) TITLE AND LOCATION <i>(City and State)</i> Specialized UPT Maintenance Hangar for T-1A Jayhawk, Williams AFB, Arizona	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2009	CONSTRUCTION <i>(If applicable)</i>

d. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm  
a 42,000 square foot hangar with 7 maintenance bays and 1 administrative/shop bay, all AFFF - protected, lightning protected.

(1) TITLE AND LOCATION <i>(City and State)</i> Data Center for State of Arizona Phoenix, AZ	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i>

e. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm  
This is the main data processing center for the State of Arizona. The main frame area is 6,000 square feet of raised, non-conductive flooring and is protected by Halon and a pre-active water sprinkler fire protection backup system.

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME  Henry Colton, R.A.	13. ROLE IN THIS CONTRACT  Project Architect	14. YEARS EXPERIENCE	
		a. TOTAL  28	b. WITH CURRENT FIRM  27

15. FIRM NAME AND LOCATION *(City and State)*  
Mongolin Planners, Phoenix, AZ

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i>  Bachelor of Architecture, 1983 University of Arizona	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i>  1986, Architect, Arizona
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
His experience ranges from preliminary project investigation and schematic design through construction document preparation and construction administration/management for a multitude of projects.

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i> Lockheed Western Maintenance Facility, Tucson, AZ	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm 235,000 square foot aircraft maintenance facility. 400 Hz power supply, special grounding grid and emergency generator supported electrical requirements of the facility. Waste water storage and treatment facility for aircraft wash water and stripping process had to be environmentally permitted. Flammable storage. Renovation of existing building for administrative offices.		
(1) TITLE AND LOCATION <i>(City and State)</i> Tucson Airport Expansion, Tucson, AZ	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Addition to and remodel of Tucson International Airport including administrative and operations areas, baggage handling while airport remains operational. Rerouting of existing underground aircraft fueling lines.		
(1) TITLE AND LOCATION <i>(City and State)</i> America West Airlines Data Center, Tempe, Arizona	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm 50,000 square foot raiser access floor data processing facility containing administrative offices, CPU's, disk and tape drives, storage, control room and telecommunication switching service. Non-conductive flooring, special grounding and lightning protection. Uninterrupted power supply with battery backup and 1500 KVA emergency generators with integral fuel storage tanks included as well as Halon pre-active fire suppression system.		
(1) TITLE AND LOCATION <i>(City and State)</i> Open-End IDIQ Contract for Design Luke AFB, AZ	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i>
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Open-ended IDIQ contract for task orders for design and construction phased services for Luke AFB. Contract capacity is up to \$5,000,000 and has been utilized at 80 % to date. Contract is still ongoing.		
(1) TITLE AND LOCATION <i>(City and State)</i> MCP Aircraft Engine Shop/Test Facility - 41ECS Williams AFP, AZ	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2009	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm The design for a 7,500 square foot addition to an existing engine shop consists of a four-bay shop for repair and maintenance of EC-130 aircraft engines (A-10 aircraft). It includes shop area, administrative offices, bearing shop and supply storage. The concrete floor has received an epoxy coating for light reflectivity and ease of maintenance.		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME  William Gabriel, R.A.,	13. ROLE IN THIS CONTRACT  Project Architect	14. YEARS EXPERIENCE	
		a. TOTAL  26	b. WITH CURRENT FIRM  14

15. FIRM NAME AND LOCATION *(City and State)*  
Mongolin Planners, Phoenix, AZ

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i>  Bachelor of Environmental Design, 1985 University of Kansas	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i>  1991, Architect, Arizona
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
William Gabriel, as Project Manager/Project Architect, has been responsible for managing new construction projects including several large scale hangar facilities and support offices as well as many remodeling projects.

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Combined Support Maintenance Shop Phoenix, AZ	2012	
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Arizona Army Guard, Phoenix, AZ - a 92,000 square foot facility providing complete maintenance services for the vehicles and equipment of the Arizona National Guard.		
Specialized UPT Maintenance for T-1A Jayhawk, Williams AFB, AZ	2009	
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm 42,000 square foot hangar for Tanker Transport-Trainer System aircraft with 7 maintenance bays and 1 administrative/shop bay, all AFFF protected.		
America West Airlines Administration and Operations Facility, Tempe, Arizona	2011	
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Extensive remodeling of existing 2-floor office building with comprehensive interior remodeling. Demountable partition system, computer rooms, emergency power backup systems, relocation of A/C systems, 2-bay simulator is Halon protected. The facility required asbestos removal for 27,000 square foot of existing office space.		
AASF #3, Apache Helicopter Maintenance Facility Marana, AZ	2011	
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Includes administrative space, classified vault for protection of armament and sensitive electronic equipment, electronic repair shops, and hangar with capability to test electronic equipment at the aircraft. Administration area required computer and telecommunication services. The avionics and electrical repair shops required grounding protection. Additional space included paint storage, paint booth, mobility equipment storage. Disposal of environmentally material,		
America West Airlines Hangar Addition Tempe, Arizona	2010	
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm includes 82,000 square foot of administrative and operations space, 162,000 square foot of repair shops, and a 43,000 square foot hangar paint bay with bead blast system and paint shop. Emergency power and special grounding. AFFF-protected.		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME  Kent M. McCully, P.E.	13. ROLE IN THIS CONTRACT  Project Principal	14. YEARS EXPERIENCE	
		a. TOTAL  34	b. WITH CURRENT FIRM  30

15. FIRM NAME AND LOCATION *(City and State)*  
McCully & Associates, Phoenix, AZ

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S. Civil Engineering, 1978 - Arizona State University	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Arizona, 1983, Professional Engineer
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
Mr. McCully has over 30 years of civil experience in providing municipal engineering services to governmental agencies. With a multi-disciplined background involving grading, drainage, utility design, paving, construction, and project mgt: Mr. McCully's projects have included master planning, design and construction of freeways, roadways, local street & airports.

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Special Vehicle Storage Facility Vandenberg Air Force Base, CA	2012	
a. (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 16,000 square foot facility was designed to house large missile carriers with a maximum gross vehicle weight of 147,000 pounds. The seven bay structure includes a wash bay and hazardous storage. Worked with Margolin on this project. Value \$1,475,000.		
Terminal 4 Improvements Phoenix, AZ	2011	
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Sky Harbour Airport for the City of Phoenix (as a subconsultant). Civil engineering elements for: Site Preparation, Terminal Building, Access Roadways and Bridges, Concourses, International Concourse, and Rental Car Parking Facility.		
Sky Harbor International Airport Phoenix, AZ	2011	
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm 1. Terminal 3 Civil Engineering Elements and Construction Inspection for the City of Phoenix. 2. Additionally, Runway Reconstruction of North and South Runways. 3. As a subconsultant, Cross-Taxiway "T" - Civil Engineering Elements.		
Logistics Division Facility Phoenix, AZ	2010	
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm For the Air National Guard at Sky Harbor International Airport for the City of Phoenix (as a subconsultant), Provided the civil engineering for this new facility.		
Various Projects Listed	2011	
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm •Parking Lot Design at Sky Harbor International Airport •Rental Car Parking relocation at Terminal 3 •High Profile parking lot at Terminal 4 •Rental Car Ready Lot at Terminal 4 •Overflow Parking area at the South Apron area of Terminal 3 •Parking Lot revisions at the Air Cargo Facility •Remote Shuttle Parking Lot C, at 26th Street and Buckeye •Remote Shuttle Parking Lot D, at 40th Street and Sky Harbor Boulevard •Terminal 2 Surface Parking Area mod		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME  Timothy Westbrook, P.E	13. ROLE IN THIS CONTRACT  Project Engineer	14. YEARS EXPERIENCE	
		a. TOTAL  23	b. WITH CURRENT FIRM  23

15. FIRM NAME AND LOCATION *(City and State)*  
McCully & Associates, Phoenix, AZ

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i>  B.S. Engineering Technology, 1989 - Northern Arizona University	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i>  Arizona, 1996, Professional Engineer
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
His experience has included project management, project design and field design for transportation, drainage and flood control, and water resource projects. He has designed roads, highways, airports, drainage and flood control facilities, and water and sewer facilities. He is well versed in the use of Microstation and AutoCAD.

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i> Special Vehicle Storage Facility for US Air Force Space Command Vandenberg Air Force Base, CA	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i>

a. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm  
16,000 square foot facility to house large missile carriers. The 7-bay structure includes a wash bay and hazardous materials storage.

(1) TITLE AND LOCATION <i>(City and State)</i> Terminal 4 Improvements at Sky Harbour International Airport Phoenix, AZ	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If applicable)</i>

b. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm  
Civil engineering elements of this project included earthwork, traffic analysis, roadway and bridge geometrics, parking lot design, storm drain, waterline and sewerline analysis and design, and preparation of construction documents. Project also included participation in Construction Administration for the following projects: Site Preparation, Terminal Building, Access Roadways and Bridges, Concourses, International Concourse, & rental car parking facility.

(1) TITLE AND LOCATION <i>(City and State)</i> Sky Harbor International Airport Cross-Taxiway "T" Phoenix, AZ	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If applicable)</i>

c. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm  
Civil Engineering Elements (as a subconsultant) for the City of Phoenix. Civil Engineering elements included location studies, taxiway geometrics (including intersections), earthwork, concrete pavement design, traffic control and signage, utility design, drainage, access road relocation, construction phasing and construction documents, and construction administration for a one-half mile cross-taxiway.

(1) TITLE AND LOCATION <i>(City and State)</i> Sky Harbor International Airport Taxiway "C" (Air Cargo to Taxiway "S") Phoenix, AZ	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010	CONSTRUCTION <i>(If applicable)</i>

d. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm  
The project included a location study for one mile of dual -parallel taxiways; geometrics, concrete paving design, striping, aircraft, detouring, construction documents and construction administration for one mile of parallel taxiway.

(1) TITLE AND LOCATION <i>(City and State)</i> Phoenix Deer Valley and Goodyear Airports Utility Master Reference Phoenix, AZ	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2009	CONSTRUCTION <i>(If applicable)</i>

e. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm  
Services included a complete inventory of existing utilities, utility capacity analysis, and plan preparation for a comprehensive reference of existing utilities.



**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME  Rob Blanton, P.E., Principal	13. ROLE IN THIS CONTRACT  Project Structural Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 23	b. WITH CURRENT FIRM 3

15. FIRM NAME AND LOCATION *(City and State)*  
Norton Blanton, Inc, Phoenix, AZ

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Arizona State University, Bachelor of Science - Engineering - 1989	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Arizona (1995), California (1998), Michigan (2000)
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
Rob is a captain in the United States Army Reserves and a member of the Society of American Military Engineers and the National Guard Association. Rob is a former member (1980 - 1993) of the Arizona National Guard. Rob's prior National Guard experience gives him a unique insight into the design of military projects.

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i> Special Vehicle Storage Facility Vandenberg Air Force Base, CA	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i>

a. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm  
Mr. Norton, P.E. was the Project Engineer on this 16,000 square foot facility located at Vandenberg AFB, CA. The project consisted of a 160' long x 100' wide structural steel building with exterior masonry walls.

(1) TITLE AND LOCATION <i>(City and State)</i> CSMS Papago Military Reservation	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i>

b. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm  
Rob Blanton, P.E. is the Project Engineer on this \$8,500,000 office/maintenance facility for the Arizona Army National Guard. The project is located in the Papago Military Reservation. The structure consists of a structural steel frame and masonry wall system with movable overhead cranes. The project features 30 vehicle repair bays, small arms repair shops, shooting range and administration offices.

(1) TITLE AND LOCATION <i>(City and State)</i> Various Projects in 2010 -2012	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>

c. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm  
1. VEHICLE MAINTENANCE FACILITY ANG 2. LOGISTICS DIVISION FACILITY ANG 3. JP-8 FUEL STORAGE & DISTRIBUTION FACILITY ANG 4. SMALL ARMS TRAINING RANGE 5. USP&FO STRUCTURAL REVIEW

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

d. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm  
Mr. Blanton, P.E. has an extensive record of efficient and economical design of new structures as well as additions and renovations to existing facilities. He has design experience with a wide range of construction materials including structural steel, precast, post tensioned and mild reinforced concrete, wood, heavy timber and masonry. He has acted as facilities which have single construction values in excess of \$30,000,000.

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

e. (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  Roy Turnfield, P.E.	13. ROLE IN THIS CONTRACT  Project Manager/Mechanical Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 30	b. WITH CURRENT FIRM 26

15. FIRM NAME AND LOCATION *(City and State)*  
Diverse Engineers, Inc., Tempe, Arizona

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> MA, 1986, Aerospace Management BS 1982 Mechanical Engineering	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Mechanical Engineering, Arizona (1988), California (2001), Utah (2004)
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
Mr. Turnfield has 25 years experience in both public and private sectors as a mechanical engineer. He has an extensive HVAC and Plumbing Design background on industrial, governmental and commercial projects. Mr. Turnfield spent 5 years as the Base Civil Engineer for the Air National Guard in Phoenix.

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i> Hardy Yard Police and City Maintenance facility Tempe, AZ	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i>
a. (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 included office and evidence storage facility for City Police Department, maintenance shops, toilet facilities, and administrative offices for City Maintenance Department. City of Tempe \$800,000.		
(1) TITLE AND LOCATION <i>(City and State)</i> Police and Fire Training Facility Scottsdale, AZ	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm City of Scottsdale \$2.1 Million Police and Fire Training Facility which included office and training rooms, toilet and shower facilities, pistol range, and maintenance facilities.		
(1) TITLE AND LOCATION <i>(City and State)</i> Yuma Marine Corps Air Station	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010	CONSTRUCTION <i>(If applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm •Yuma Marine Corps Air Station Open End Contract for renovation of various buildings (2005) •Yuma Marine Corps Air Station Indefinite Quantities A-E services for various projects (2007 -2012) •Yuma Marine Corps Air Station HVAC and Electrical Energy Upgrade projects		
(1) TITLE AND LOCATION <i>(City and State)</i> Special Vehicle Storage Facility, Vandenberg Air Force Base, CA	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i>
d. (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 16,000 square foot facility was designed to house large missile carriers with a maximum gross vehicle weight of 147,000 pounds. The seven bay structure includes a wash bay and hazardous storage.  Value \$1,475,000.		
(1) TITLE AND LOCATION <i>(City and State)</i> Various Projects	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm •Renovation of Heavy Vehicle Maintenance facility for Maricopa County. •Renovation of Vehicle Maintenance Shop at Phoenix ANG Base. •Renovation of Aircraft Hangar at ANG Base. •80,000 SF Vehicle Maintenance facility for Arizona Army National Guard. •16,000 SF Vehicle Maintenance Shop for Arizona Army National Guard. •56,000 SF #3 Hangar, Shops & Above Ground Fuel Storage facility for AANG. •52,000 SF Hangar & Maintenance Shops for Lufthansa Airlines		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME  Kerry O'Neill	13. ROLE IN THIS CONTRACT  Electrical Engineer	14. YEARS EXPERIENCE	
		a. TOTAL  10	b. WITH CURRENT FIRM  3

15. FIRM NAME AND LOCATION *(City and State)*  
Diverse Engineers, Inc., Tempe, AZ

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BSEE/2002, Electrical Engineering	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Electrical Engineering, Arizona (2006), California (2007), Nevada (2008)
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
Mr. O'Neill has over 10 years experience as a Design Electrical Engineer in all types of industrial, commercial and institutional projects. His professional experience on renovation and new construction work, as a Design engineer,

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i> Electrical Engineer in the Base Civil Engineering Office March Air Force Base, CA	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Cornell also served as an Electrical Engineer in the Base Civil Engineering Office at March Air Force Base, CA. In that capacity, he was involved in a wide range of electrical design activities on a variety of Air Force facilities.		
(1) TITLE AND LOCATION <i>(City and State)</i> Combined Support Maintenance Facility Phoenix, AZ	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm 85,000 SF, \$9.5 Million Arizona Army National Guard combined support maintenance facility, electrical design and construction administration services. Includes administrative offices, supply rooms, maintenance shop, vehicle maintenance bays, and site lighting.		
(1) TITLE AND LOCATION <i>(City and State)</i> America West Airlines Hangar and Office Building	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Electrical Engineer for 80,000 SF Dynair Hangar and Office Building HVAC upgrade project.		
(1) TITLE AND LOCATION <i>(City and State)</i> Special Vehicle Storage Facility Vandenberg Air Force Base, CA	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i>
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm •Electrical Engineer for Special Vehicle Storage Facility, Vandenberg Air Force Base, CA.		
(1) TITLE AND LOCATION <i>(City and State)</i> Misc Experience for Diverse Engineers	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm •US Post Office Automated Battery/Maintenance •City of Scottsdale Solid Waste Transfer Facility electrical power and lighting design •Electrical Engineer for \$5.0 Million City of Henderson Nevada Fire Station and Fire Training Facility •Replacement of existing 3,000 Amp, 480 Volt, 3 phase service entrance section on Arizona Public Service Building H at Deer Valley; Phoenix, AZ		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME  Wayne Reston, P.E., R.L.S./Vice President	13. ROLE IN THIS CONTRACT  Principal in Charge	14. YEARS EXPERIENCE	
		a. TOTAL <b>16</b>	b. WITH CURRENT FIRM <b>14</b>
15. FIRM NAME AND LOCATION <i>(City and State)</i> Reston & Associates, Phoenix, Arizona			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> M.S.C.E. - Wayne State University/1998/Geotechnical B S C E Wayne State University/1996/Civil		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> 1999 - Professional Engineer/Michigan By reciprocity: AZ, CA, CO, TX, NV, WY, UT, NM	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>  All projects listed in this submittal	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE He has served as Principal Engineer and/or Project Director on ALL projects listed in this submittal and has been responsible for overall Quality Assurance.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> Consulting/Principal Engineering Phoenix, AZ	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mr. Reston founded the firm in 1990 after 2.5 years of experience in consulting engineering of which he served as Principal in other firms	<input type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> Geotechnical Engineering and Material Handling	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE He has had overall technical and operational responsibilities to perform soil, rock and groundwater investigations; engineering analysis and reports; civil engineering and design; material analysis and testing; construction monitoring and testing; surveying and construction staking; environmental engineering and site assessments.	<input type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input 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  James Bourgone, P.E., R.L.S./Division Mgr	13. ROLE IN THIS CONTRACT  Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL  19	b. WITH CURRENT FIRM  14
15. FIRM NAME AND LOCATION <i>(City and State)</i> Reston & Associates, Phoenix, Arizona			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S.C.E. - Arizona State University/1993/Civil		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> 1999 - Professional Engineer/Arizona 2000 - Registered Land Surveyor/Arizona	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Member: ASTM, ACI, ASCE, Valley Paving Association			

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i> Geotechnical Engineering and Environmental Engineering Phoenix, AZ	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> Mr. Bourgone has 19 years experience in geotechnical and environmental engineering on projects of all types, ranging from small single use residential and office developments through regional commercial developments and high-rise structures.		
(1) TITLE AND LOCATION <i>(City and State)</i> Road/Highway Projects Phoenix, AZ	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> Mr. Bourgone also has extensive experience in a variety of road/highways/street projects.		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> He has had overall technical and operational responsibilities to perform soil, rock and groundwater investigations; engineering analysis and reports; civil engineering and design; material analysis and testing; construction monitoring and testing; surveying and construction staking; environmental engineering and site assessments.		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input type="checkbox"/> Check if project performed with current firm</span>		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input type="checkbox"/> Check if project performed with current firm</span>		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME  Alex Wexler, P. Eng (Canada)	13. ROLE IN THIS CONTRACT  Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL <b>7</b>	b. WITH CURRENT FIRM <b>2</b>
15. FIRM NAME AND LOCATION <i>(City and State)</i> Reston & Associates, Phoenix, Arizona			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Registered Professional Engineer, Ontario, Canada B.A.Sc., Civil Engineering, University of Toronto (2002)		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Arizona Radiation Safety Course, 2004	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>  Geotechnical and Materials Engineering	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input type="checkbox"/> Check if project performed with current firm</span> Mr. Wexler has seven years of experience in geotechnical and materials engineering as related to residential developments, commercial/industrial projects, roads, highways and civil works; project engineering and management; construction monitoring		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input type="checkbox"/> Check if project performed with current firm</span>		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input type="checkbox"/> Check if project performed with current firm</span>		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input type="checkbox"/> Check if project performed with current firm</span>		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input type="checkbox"/> Check if project performed with current firm</span>		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME  Steve Clay/Geologist/Environmental Tech	13. ROLE IN THIS CONTRACT  Project Geologist	14. YEARS EXPERIENCE	
		a. TOTAL <b>7</b>	b. WITH CURRENT FIRM <b>7</b>
15. FIRM NAME AND LOCATION <i>(City and State)</i> Reston & Associates, Phoenix, Arizona			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BS/Geology/Emporia State/2005		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> NICET Certified Level II, Geotechnical and Construction, American Concrete Institute	

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
Mr. Clay has 7 years experience in the field of geology and engineering with commercial, industrial and residential development projects; subsurface investigations; sampling and handling of hazardous materials.

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>  Highway Construction	(2) YEAR COMPLETED
	PROFESSIONAL SERVICES   CONSTRUCTION <i>(If applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE a. •Hwy SR-188 Landslide - Roosevelt Lake, AZ •Hwy 69 - Road Widening Exploration - Mayor, AZ	
<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i>  Railroad Construction	(2) YEAR COMPLETED
	PROFESSIONAL SERVICES   CONSTRUCTION <i>(If applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE b. •Southern Pacific Railroad - Nogales, AZ	
<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i>  Commercial Structures	(2) YEAR COMPLETED
	PROFESSIONAL SERVICES   CONSTRUCTION <i>(If applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE c. •Tempe Commerce Center - Tempe, AZ •One East Camelback - Phoenix, AZ •Toys "R" Us - Tucson, AZ •East Papago Structures - Tempe, AZ	
<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i>  Treatment Plant	(2) YEAR COMPLETED
	PROFESSIONAL SERVICES   CONSTRUCTION <i>(If applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE d. •Flagstaff Wastewater Treatment Plant - Flagstaff, AZ	
<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i>  	(2) YEAR COMPLETED
	PROFESSIONAL SERVICES   CONSTRUCTION <i>(If applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE e.	
<input 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  Gayle W. Schultz, President	13. ROLE IN THIS CONTRACT  Principal in Charge	14. YEARS EXPERIENCE	
		a. TOTAL 23	b. WITH CURRENT FIRM 15

15. FIRM NAME AND LOCATION *(City and State)*  
G. W. Schultz, Inc, Scottsdale, Arizona

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S./1989/Landscape Architecture, Architecture Horticulture	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> 1995/Landscape Architecture
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
Since 1995, Ms. Schultz has won numerous awards recognizing her design excellence. In 2002, she was one of the initial 8 recipients of the CARE award which honored projects nationwide which demonstrate outstanding water conservation. She is frequently featured in Sunset Magazine, Phoenix Home and Garden and industry specific journals.

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i> Public Works Phoenix, AZ	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>

a. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm  
City of Phoenix: New City Hall including parking garage and 2nd Avenue pedestrian mall; multi-use Detention Basin park; two regional parks; 2 pool facilities; four landfills; one water treatment plant and 2 wastewater treatment plants; and field investigations for inventory and assessment of

(1) TITLE AND LOCATION <i>(City and State)</i> Large Scale Land Investigations and Designs	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>

b. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm  
Tatum Ranch, Phoenix, Troon Golf Course and Country Club, Scottsdale; Andreas Cove Country Club, Palm Springs; Monte Vista RV Resort Park; Pueblo El Mirage RV Resort Park; Falcon Lake properties, Cathedral City, California, Wickenburg Inn Tennis and Guest Ranch and Mariah Golf and Beach Resort, Aruba. Currently on the Engineering team for the city of Scottsdale Desert Greenbelt.

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

c. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm  
Include a major water users study completed for the Department of Water Resources which is the basis for DWR, second Management Plan and the 20,000 acre San Xavier Master Planned Community south of Tucson which took into account plant and animal inventories.

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

d. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm  
Has provided consulting services throughout Arizona, Southern California & Nevada to a variety of clients. Completed projects have required: field investigation; master planning; design concepts; budgeting; construction documents including construction details & specifications; irrigation engineering; water use studies; site observations; consultant management; recommendations of contractors; construction management; graphics; & development of design guideline.

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

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



<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <b>1</b>
21. TITLE AND LOCATION <i>(City and State)</i>  Special Vehicle Storage Facility, Vandenberg Air Force Base, CA	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i>

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER Corps of Engineers, Sacramento Dist	b. POINT OF CONTACT NAME John Ashcroft	c. POINT OF CONTACT TELEPHONE NUMBER (916) 555-8484
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

This 16,000 square foot facility was designed to house large missile carriers with a maximum gross vehicle weight of 147,000 pounds. The seven bay structure includes a wash bay and hazardous storage.

Value \$1,475,000.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Margolin Planners	Phoenix, AZ	Principal Designer
b.	McCully & Associates	Phoenix, AZ	Civil Engineers
c.	Diverse Engineers, Inc.	Tempe, Arizona	Mechanical Engineers
d.	Reston & Associates	Phoenix, AZ	Geotechnical Engineering & Materials Testing Materials
e.	Norton Blanton, Inc	Phoenix, AZ	Structural Engineers
f.			

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 2
21. TITLE AND LOCATION <i>(City and State)</i> Combined Support Maintenance Facility Papago Military Reservation, Phoenix, AZ		22. YEAR COMPLETED PROFESSIONAL SERVICES 2012 CONSTRUCTION <i>(If applicable)</i>

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER Arizona National Guard	b. POINT OF CONTACT NAME Colonel Norman Rester	c. POINT OF CONTACT TELEPHONE NUMBER (906) 891-0067
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Design and Construction Phased Services: The 92,000 square foot Combined Support Maintenance Shop provides direct support and general support for the vehicles and equipment of the Arizona National Guard Mission for the entire state of Arizona. The facility consists of three major building areas - Administration and Supply; General Purpose Work Bays; and Special Purpose Work Bays. The facility provides maintenance for military vehicles from general maintenance to major engine overhaul, transmission repair and body shop work (both structural and painting). Value \$9,374,000.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME Margolin Planners	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Principal Designer
b.	(1) FIRM NAME Reston & Associates	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Geotechnical Engineering & Materials Testing Materials
c.	(1) FIRM NAME Norton Blanton, Inc	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Structural Engineers
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <b>3</b>
21. TITLE AND LOCATION <i>(City and State)</i> Aviation Support Facility (AASF) #3, Silver Bell ARNG Heliport, Pinal Air Park, Marana, Arizona	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2011</b>	CONSTRUCTION <i>(If applicable)</i>

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER Arizona National Guard	b. POINT OF CONTACT NAME Colonel Fred Moyer	c. POINT OF CONTACT TELEPHONE NUMBER (981) 998-0067
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Design and Construction Phased Services: We have designed a 45,000 square foot hangar for the Apache helicopter and the Western Army Aviation Training Facility, Marana, Arizona. There are six work bays with associated shops, such as engine inspection and repair, machine, welding, sheet metal and paint shops, avionics, hydraulics and electronics shops, and an armament sub-system shop. the Class "A" vault stores the 30mm cannons and restricted equipment. The vault is protected by a J-SIIDS intrusion detection system. The hangar is AFFF protected. The facility also houses storage and administrative operations areas and ground support and crash rescue vehicle equipment rooms. The hangar is of steel frame construction with cabled panel rolling doors on each side. The floor is coated with a corrosion-resistant epoxy. Value \$5,500,000.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

<b>a.</b> (1) FIRM NAME Margolin Planners	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Principal Designer
<b>b.</b> (1) FIRM NAME Reston & Associates	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Geotechnical Engineering & Materials Testing Materials
<b>c.</b> (1) FIRM NAME Diverse Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Tempe, AZ	(3) ROLE Mechanical Engineers
<b>d.</b> (1) FIRM NAME Norton Blanton, Inc	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Structural Engineers
<b>e.</b> (1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>f.</b> (1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 4
21. TITLE AND LOCATION <i>(City and State)</i> Technical Support Facility Maintenance Hangar Phoenix Sky Harbor Airport, Phoenix, AZ		22. YEAR COMPLETED PROFESSIONAL SERVICES 2010 CONSTRUCTION <i>(If applicable)</i> 2011

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER America West Airlines	b. POINT OF CONTACT NAME James Rogers	c. POINT OF CONTACT TELEPHONE NUMBER (908) 771-0007
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

This 350,000 square foot project consists of Design and Construction Phase Services for the following:

Maintenance Hangar: 2 long span bays (each 270 feet) provide maintenance area for the B-737, B-727, B-757, A-310 and Dash-8 aircraft either in nose-in or tail-in position. One half of one bay can be curtained off to provide the world's largest bead-blast paint removal bay. The floor is hardened and light-reflective. The hangar is AFFF protected.

Maintenance Shops: 50,000 square foot of shops provide full maintenance capability. Shops consist of sheet metal, hydraulic, engine, N.D.T., composite material, interior (upholstery), machine shop, battery testing and charging and avionics. The engine shop allows component tear-down and build-up of all commercial jet engines including the CFM-56 engine of the B-747.

Warehouse: 150,000 square foot of 23 foot high storage allows stacking of parts. A 4-bay truck dock with crane allows receiving and shipping of all aircraft parts.

Flight Simulator: A 2-bay flight simulator is a part of this project. Flight images are computer generated for the B-737 and B-757 aircraft. Briefing rooms, de-briefing rooms, classrooms and administration space complete the project.

Flight Line, Wash Down and Run-Up Area: The flight line, similar to a centralized aircraft support system (CASS), provides all aircraft voltages, air and water at each of nine place positions for servicing and beddown. Four point tie-downs and grounding points are also provided. The wash area provides recirculated water under pressure for aircraft cleaning. Aircraft are static tested in the run-up area which is protected by a steel blast fence.

Hanger Value \$18,000,000; Total Project \$44,000,000.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME Margolin Planners	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Principal Designer
b.	(1) FIRM NAME Reston & Associates	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Geotechnical Engineering & Materials Testing Materials
c.	(1) FIRM NAME Diverse Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Tempe, AZ	(3) ROLE Mechanical Engineers
d.	(1) FIRM NAME McCully & Associates	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Civil Engineers
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 5
21. TITLE AND LOCATION <i>(City and State)</i> Lockheed Western Maintenance Facility Tucson International Airport, Tucson, AZ	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010	CONSTRUCTION <i>(If applicable)</i>

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER Lockheed	b. POINT OF CONTACT NAME Don West	c. POINT OF CONTACT TELEPHONE NUMBER (602) 555-9182
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Lockheed Aeromod retrofits and maintains all commercial and military aircraft types with the exception of the B-747. It is designed as a 4-bay wide-body hangar with clear spans of 200 feet. A major program is surveying and repairing corrosion of aircraft. The 235,000 square foot project consists of Design and Construction Phase Services for:

Hangar: The 183,000 square foot hangar with its 46 foot electric doors and tail door will accept all aircraft types except the B-747. Inside clear height is 83 feet to allow for cranes and aircraft jacking.

Shops: A 32,600 square foot shop area provides sheet metal shop, machine shop, composite shop, non-destructive testing (N.D.T.) shop, an upholstery/accessory shop and avionics shop.

Warehouse: A 20,000 square foot warehouse provides storage of aircraft parts. A two-level truck dock supports shipping and receiving.

Ramp: The ramp area provides outside service area for two wide-body aircraft (DC-10). 400 Hz and standard power, air and water are at each aircraft position. Trenching and oil separators take care of accidental fuel spills.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME Margolin Planners	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Principal Designer
b.	(1) FIRM NAME Reston & Associates	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Geotechnical Engineering & Materials Testing Materials
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <b>6</b>
21. TITLE AND LOCATION <i>(City and State)</i> Public Transit Maintenance Facility Southern Division, Phoenix, AZ	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2009	CONSTRUCTION <i>(If applicable)</i>

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER City of Phoenix Transit Dept	b. POINT OF CONTACT NAME Linda Bower	c. POINT OF CONTACT TELEPHONE NUMBER (602) 555-7565
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Design and Construction Phased Services for:

Sitting on a fenced 15-acre site, the new facility provides covered parking and maintenance for 250 City of Phoenix buses. This is a large vehicle facility. The buses are the 40-foot and 60-foot articulated type. The vehicles are washed, fueled, maintained and parked at this site.

The multi-building facility is comprised of 12,000 square feet of parts storage (tires, engines and electrical parts) and 3,000 square feet of hazardous material storage (batteries, oils and lubricants). In addition to maintenance support, 8,000 square feet is used for classroom training, auditorium and administrative space. 231,800 square feet of apron area for bus parking was designed as part of this project. Due to the concentration of engine exhaust, the building ventilation system was designed to minimize exhaust intake.

Project Value \$2,800,000.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME Margolin Planners	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Principal Designer
b.	(1) FIRM NAME Reston & Associates	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Geotechnical Engineering & Materials Testing Materials
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <b>7</b>
21. TITLE AND LOCATION <i>(City and State)</i> Lufthansa Aircraft Maintenance Hanger/Training Center Goodyear, AZ		22. YEAR COMPLETED PROFESSIONAL SERVICES <b>2011</b>
		CONSTRUCTION <i>(If applicable)</i>

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER Lufthansa German Airlines	b. POINT OF CONTACT NAME Irmgard Bueller	c. POINT OF CONTACT TELEPHONE NUMBER (602) 555-9438
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Design and Construction Phase Services for:

Lufthansa German Airlines trains all of their student pilots at the Airline Training Center in Goodyear, Arizona. The students fly single and twin engine aircraft. The first phase 24,000 square foot maintenance hangar accommodates twelve aircraft at a time. The second building phase included a 32,000 square foot maintenance hangar to accommodate sixteen aircraft. Lufthansa also trains pilots for Air France Airlines, All Nippon Airways, Iberia Airlines and the German Air Force.

Contract Value \$2,106,000 for both phases.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME Margolin Planners	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Principal Designer
b.	(1) FIRM NAME Reston & Associates	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Geotechnical Engineering & Materials Testing Materials
c.	(1) FIRM NAME Diverse Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Tempe, AZ	(3) ROLE Mechanical Engineers
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <b>8</b>
21. TITLE AND LOCATION <i>(City and State)</i> Composite Maintenance Facility Luke Air Force Base, AZ	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If applicable)</i>

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER Corps of Engineers, Sacramento District	b. POINT OF CONTACT NAME John Anderson	c. POINT OF CONTACT TELEPHONE NUMBER (916) 555- 2389
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Design of this 12,500 square foot facility houses an avionics instrument shop, a precision measurement equipment lab (PMEL), and pneudraulics and electro-environmental shop (PEES). Included in the design are an overhead bus duct electrical system, non-conductive flooring, special temperature control for high humidity and a wet pipe fire protection system.

Contract Value \$1,550,000.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

<b>a.</b>	(1) FIRM NAME Margolin Planners	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Principal Designer
<b>b.</b>	(1) FIRM NAME Reston & Associates	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Geotechnical Engineering & Materials Testing Materials
<b>c.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>d.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>e.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>f.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE



<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <b>9</b>
21. TITLE AND LOCATION <i>(City and State)</i> <b>MCP Aircraft Engine Shop/Test Facility - 41ECS          Williams AFP, AZ</b>		22. YEAR COMPLETED PROFESSIONAL SERVICES <b>2009</b>
		CONSTRUCTION <i>(If applicable)</i>

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER <b>Corps of Engineers, Sacramento District</b>	b. POINT OF CONTACT NAME <b>George Kraft</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>(916) 555-9543</b>
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The design for a 7,500 square foot addition to an existing engine shop consists of a four-bay shop for repair and maintenance of EC-130 aircraft engines (A-10 aircraft). It includes shop area, administrative offices, bearing shop and supply storage. The concrete floor has received an epoxy coating for light reflectivity and ease of maintenance.

Contract value \$ 846,000.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

<b>a.</b>	(1) FIRM NAME <b>Margolin Planners</b>	(2) FIRM LOCATION <i>(City and State)</i> <b>Phoenix, AZ</b>	(3) ROLE <b>Principal Designer</b>
<b>b.</b>	(1) FIRM NAME <b>Reston &amp; Associates</b>	(2) FIRM LOCATION <i>(City and State)</i> <b>Phoenix, AZ</b>	(3) ROLE <b>Geotechnical Engineering &amp; Materials Testing Materials</b>
<b>c.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>d.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>e.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>f.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <b>10</b>
21. TITLE AND LOCATION <i>(City and State)</i> Open-End IDIQ Contract for Design Luke AFB, AZ	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i>

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER US Air Force Luke Air Force Base, AZ	b. POINT OF CONTACT NAME LT Green	c. POINT OF CONTACT TELEPHONE NUMBER (602) 555-6780
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Open-ended IDIQ contract for task orders for design and construction phased services for Luke AFB. Contract capacity is up to \$5,000,000 and has been utilized at 80 % to date. Contract is still ongoing.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

<b>a.</b>	(1) FIRM NAME Margolin Planners	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Principal Designer
<b>b.</b>	(1) FIRM NAME Reston & Associates	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Geotechnical Engineering & Materials Testing Materials
<b>c.</b>	(1) FIRM NAME Diverse Engineers, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Tempe, AZ	(3) ROLE Mechanical Engineers
<b>d.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>e.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>f.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

**G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS**

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
Jordan Hamilton	Principal in Charge of Design	X	X	X	X	X					X
Gordon Sparr, AIA	Project Manager						X	X	X	X	X
Henry Colton, R.A.	Project Architect				X	X				X	X
William Gabriel, R.A.	Project Architect	X	X	X	X					X	X
Kent M. McCully, P.E.	Project Principal	X			X						
Timothy Westbrook	Project Engineer	X			X						
Rob Blanton, P.E	Project Structural Engineer	X	X	X							
Roy Turnfield, P.E.	Project Manager/Mechanical Engineer	X		X	X			X			X
Kerry O'Neill	Electrical Engineer	X	X		X						
Wayne Reston, P.E., R.L.S.	Principal in Charge - Geotechnical Engineering	X	X	X	X	X	X	X	X	X	X
James Bourgone, P.E., R.L.S.	Project Manager										
Alex Wexler, P. Eng (Canada)	Project Manager										
Steve Clay	Geologist/Enviro Technician										
Gayle W. Schultz, President	Principal in Charge Landscape Architect										

**29. EXAMPLE PROJECTS KEY**

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Special Vehicle Storage Facility, Vandenberg	6	Public Transit Maintenance Facility Southern Division
2	Combined Support Maintenance Facility, Papago	7	Lufthansa Aircraft Maintenance Hanger/Training Center
3	Aviation Support Facility (AASF) #3 ARNG	8	Composite Maintenance Facility, Luke AFB
4	Technical Support Facility Maintenance Hangar	9	MCP Aircraft Engine Shop/Test - 41ECS, Williams AFB
5	Lockheed Western Maintenance Facility	10	Open-End IDIQ Contract for Design, Luke AFB

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## H. ADDITIONAL INFORMATION

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

1. Professional Qualifications: Our firm has been in practice for the past twenty-one years completing many industrial, commercial and public projects with special emphasis on aircraft-related facilities. Project size has varied from small remodeling jobs to the \$40 million America West Airlines Technical Support Center. Most of our work has been industrial in scope involving fire protection and mechanical and electrical systems not normally found in commercial structures. In addition our work in this area has taken us into environmental issues, such as hazardous and flammable material handling and storage.

2. Specialized Experience: We have had the following specific experience with light industrial and maintenance projects:  
•Special Vehicle Storage Facility, Vandenberg AFB, CA •Composite Maintenance Facility, Luke AFB, AZ •America West Airlines Phoenix AZ - Over the past 7 years we have provided feasibility studies, new project design and facility maintenance and remodeling in over 100 projects with the airline.

•Combined Support Maintenance Shop, Arizona National Guard, Phoenix, AZ

•Public Transit Facility, City of Phoenix

•Lockheed Western Maintenance Facility, Tucson, AZ

•Lufthansa Airline Training Center, Litchfield Park, AZ

We have provided design services for hangars, dormitories, administration, and classroom facilities for over 10 years.

We have completed new or remodeled buildings of practically every building type utilizing most of the known building materials. In addition, we have specialized in surveying buildings from several aspects - plumbing, mechanical and electrical systems, energy conservation, hazardous material and accessibility. We have experience using the metric system of measurement in our designs.

3. Capacity to Work in the Required Time: We pride ourselves on meeting deadlines and staying within the budget. Our computer-aided design and drafting (CADD) capability(AutoCad 13) has speeded our production of documents and aided in coordination with our consultants. Our modem gives us access to the government's bulletin board and Automated Review Management System ARMS).

We adhere to an established Quality Control Plan. We emphasize coordination of all disciplines throughout the course of a project and conduct regularly scheduled meetings to ensure accuracy and timeliness. We have the experienced staff available to complete these projects on time and within the budget.

4. Location: We are located in Phoenix and have worked throughout the State of Arizona and California and Nevada. We are familiar with base restrictions as well as with the procedures and requirements of the Corps of Engineers, the Federal Aviation Administration, and the Environmental Protection Agency's Superfund sites.

5. Past Performance: We have a good performance record with the Sacramento District Corps of Engineers and with state, city and private agencies. We complete our projects on time, keep the changes to a minimum and stay under the budget.

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## I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE

32. DATE

33. NAME AND TITLE

# 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 <b>MARGOLIN PLANNERS</b>			3. YEAR ESTABLISHED <b>1993</b>	4. DUNS NUMBER
2b. STREET <b>2020 East Jones Lane</b>			5. OWNERSHIP	
2c. CITY <b>Phoenix,</b>	2d. STATE <b>AZ</b>	2e. ZIP CODE <b>85016</b>	a. TYPE <b>LLC</b>	
6a. POINT OF CONTACT NAME AND TITLE <b>A. Jordan Hamilton, AIA, President</b>			b. SMALL BUSINESS STATUS <b>Small Business</b>	
6b. TELEPHONE NUMBER <b>(602) 999-8300</b>		6c. E-MAIL ADDRESS <b>ajhamilton@margolinplanners.com</b>		
8a. FORMER FIRM NAME(S) <i>(If any)</i>			8b. YR. ESTABLISHED	8c. DUNS NUMBER

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 <i>(see below)</i>
		(1) FIRM	(2) BRANCH			
02	Administrative	3	6			
06	Architect	5				
12	Civil Engineer		3			
18	Cost Engineer/Estimator		1			
	Draftsman	2	10			
21	Electrical Engineer		1			
30	Geologist		1			
39	Landscape Architect		1			
42	Mechanical Engineer		2			
55	Soils Engineer		1			
56	Specifications Writer		1			
57	Structural Engineer		2			
38	Land Surveyor		1			
36	Industrial Hygienist		2			
08	Senior CADD Technician		2			
	Branch is numbers for team					
	Other Employees					
<b>Total</b>		<b>10</b>	<b>34</b>			

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS <i>(Insert revenue index number shown at right)</i>		PROFESSIONAL SERVICES REVENUE INDEX NUMBER			
a. Federal Work	3	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	3	2. \$100,00 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
<b>c. Total Work</b>	<b>4</b>	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		

### 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE	b. DATE
c. NAME AND TITLE <b>A. Jordan Hamilton, AIA, President</b>	