

ARCHITECT-ENGINEER QUALIFICATIONS

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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.

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

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.

List of Disciplines (Function Codes)

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

List of Experience Categories (Profile Codes)

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; Nav aids; 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 & 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 & 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		

List of Experience Categories (Profile Codes)

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 & Guyed Systems</i>)
		T06	Tunnels & Subways

List of Experience Categories (Profile Codes)

Code	Description
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

10/10/2012

3. SOLICITATION OR PROJECT NUMBER

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Thomas Deardorff, Principal

5. NAME OF FIRM

JAKES DESIGNERS

6. TELEPHONE NUMBER

801-555-7878

7. FAX NUMBER

801-555-7888

8. E-MAIL ADDRESS

deardorfft@jakesdesigners.com

C. PROPOSED TEAM

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

(Check)				9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	J-V PARTNER	SUBCONTRACTOR			
a.	✓			Jake Designers <input type="checkbox"/> CHECK IF BRANCH OFFICE	444 West 54th Street Salt Lake City, Utah 84111	Principal Architects
b.			✓	Westerly Engineers & Associates <input type="checkbox"/> CHECK IF BRANCH OFFICE	3030 North 22nd West Salt Lake City, Utah 84105	Structural Engineering, Seismic Evaluations
c.			✓	Mountain Professional Engineers <input type="checkbox"/> CHECK IF BRANCH OFFICE	2290 North Industrial Avenue Midvale, Utah 84047	Electrical, Mechanical, HVAC, Plumbing, Fire Protection
d.			✓	Forrest Green Associates <input type="checkbox"/> CHECK IF BRANCH OFFICE	640 North 1000 Mountainview Salt Lake City, Utah 84111	Civil Environmental
e.			✓	Estimatrix <input type="checkbox"/> CHECK IF BRANCH OFFICE	2727 North Sideway Murray, Utah 84115	Cost Estimating
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 Thomas Deardorff	13. ROLE IN THIS CONTRACT Principal-In-Charge	14. YEARS EXPERIENCE	
		a. TOTAL 27	b. WITH CURRENT FIRM 23
15. FIRM NAME AND LOCATION <i>(City and State)</i> Jakes Designers Salt Lake City, Utah			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BS/1974/Architecture - University of Utah		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> 1980/Architect/Utah 1981/Architect/Wyoming	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> Addition to Aircraft Maintenance Facility Hill Air Force Base, Utah	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2009	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE This is a 120,000 square foot office and support facility, and a receiving, material handling and high bay storage addition and a 90,000 square foot remodeling of an existing F-4 Aircraft Repair Facility. Work also included addition to and upgrade of existing fire suppression system. <input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Integrated Structural Repair, Overhaul & Maintenance Facility Hill Air Force Base Utah	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE This 280,000 sf building is designed to centralize, under one roof, facilities for the repair and maintenance of wings and stabilizers for F-4 and F-16 aircraft. This facility consists of test, maintenance and repair shops, as well as support facilities consisting of administrative offices, lunch facilities, shower and locker rooms. Inside docking areas for up to eight tractor trailer units at a time was included in the design. <input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> ADAL Operations/Maintenance Facility Hill Air Force Base, Utah	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(If applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE This is a 9,000 sf addition to Building 42, and the remodel of the office and shop facility for the testing and repair of wing tanks for the F-16 aircraft. Also included in this project was the expansion to, and upgrade of, Building 63 which is a separate building. <input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Landing Gear Overhaul Facility Hill Air Force Base, Utah	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(If applicable)</i>
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Removal of existing facilities including asbestos abatement. Outside utilities, pavements, site improvements. The project was intended to provide a major facility which would be capable of overhauling and repairing brakes, wheels and struts for US Air Force aircraft. This extremely large facility required a capability in handling a large number of people while performing a series of complicated tasks efficiently. <input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Alter Missile Service Shops Hill Air Force Base, Utah	(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 Field Investigation of existing facilities for life safety and fire protection upgrade. Remodel existing facilities into new office and warehouse spaces Seismic studies and structural upgrade. Interior-Exterior Utilities. Parking Areas, Service Roads. <input checked="" type="checkbox"/> Check if project performed with current firm		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Phillip Eastwick	13. ROLE IN THIS CONTRACT Project Architect	14. YEARS EXPERIENCE	
		a. TOTAL 28	b. WITH CURRENT FIRM 17
15. FIRM NAME AND LOCATION <i>(City and State)</i> Jakes Designers Salt Lake City, Utah			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> One Year Brigham Young University Graduate of Technical Engineering Institute		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> 1984/Architect/Utah	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> Addition to Aircraft Maintenance Facility Hill Air Force Base, Utah	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2009	CONSTRUCTION <i>(If applicable)</i>
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE This is a 120,000 square foot office and support facility, and a receiving, material handling and high bay storage addition and a 90,000 square foot remodeling of an existing F-4 Aircraft Repair Facility. Work also included addition to and upgrade of existing fire suppression system. <input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Integrated Structural Repair, Overhaul & Maintenance Facility Hill Air Force Base Utah	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE This 280,000 sf building is designed to centralize, under one roof, facilities for the repair and maintenance of wings and stabilizers for F-4 and F-16 aircraft. This facility consists of test, maintenance and repair shops, as well as support facilities consisting of administrative offices, lunch facilities, shower and locker rooms. Inside docking areas for up to eight tractor trailer units at a time was included in the design. <input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> ADAL Operations/Maintenance Facility Hill Air Force Base, Utah	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE This is a 9,000 sf addition to Building 42, and the remodel of the office and shop facility for the testing and repair of wing tanks for the F-16 aircraft. Also included in this project was the expansion to, and upgrade of, Building 63 which is a separate building. <input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Landing Gear Overhaul Facility Hill Air Force Base, Utah	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(If applicable)</i>
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Removal of existing facilities including asbestos abatement. Outside utilities, pavements, site improvements. The project was intended to provide a major facility which would be capable of overhauling and repairing brakes, wheels and struts for US Air Force aircraft. This extremely large facility required a capability in handling a large number of people while performing a series of complicated tasks efficiently. <input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Alter Missile Service Shops Hill Air Force Base, Utah	(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 Field Investigation of existing facilities for life safety and fire protection upgrade. Remodel existing facilities into new office and warehouse spaces Seismic studies and structural upgrade. Interior-Exterior Utilities. Parking Areas, Service Roads. <input checked="" type="checkbox"/> Check if project performed with current firm		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Nathan Westover, P.E., C.S.E.,	13. ROLE IN THIS CONTRACT Project Manager, Structural	14. YEARS EXPERIENCE	
		a. TOTAL 30	b. WITH CURRENT FIRM 22
15. FIRM NAME AND LOCATION <i>(City and State)</i> Westerly Engineers, Salt lake City, Utah			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> ME - 1974 - Civil Engineering, Structural BS - 1971 - Civil Structural Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> 1975 - Professional Engineer, Utah Also Licensed in Nevada, California and Arizona	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> Addition to the Maintenance (Aircraft) Facility; HAFB, UT	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	PROFESSIONAL SERVICES 2008	CONSTRUCTION <i>(If applicable)</i>
		<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Alter Stage I-III Rocket Motor Maintenance Facility; HAFB, UT	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	PROFESSIONAL SERVICES 2009	CONSTRUCTION <i>(If applicable)</i>
		<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION <i>(City and State)</i> Alter Stage IV Rocket Motor Maintenance Facility; HAFB, UT	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If applicable)</i>
		<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Composite Vehicle Maintenance Facility; Utah Natl Guard, UT	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	PROFESSIONAL SERVICES 2010	CONSTRUCTION <i>(If applicable)</i>
		<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	(1) TITLE AND LOCATION <i>(City and State)</i> Combat Logistical Support Facilit and Aircraft Hangar HAFB UT	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If applicable)</i>
		<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME James Duggan, P.E., C.S.E.	13. ROLE IN THIS CONTRACT Project Engineer, Structural	14. YEARS EXPERIENCE	
		a. TOTAL 19	b. WITH CURRENT FIRM 14

15. FIRM NAME AND LOCATION *(City and State)*
Westerly Engineers, Salt Lake City, Utah

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BS- 1983 - Structural Engineering	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> 1985 - Professional Engineer - Utah 1993 - Certified Structural Engineer - Utah
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Experienced engineer in the design and detailing of concrete, steel, and wood buildings. As well as all facets of structural engineering including: design of reinforced and post-tensioned concrete; design of steel framed buildings; investigation, evaluations, and upgrade of existing buildings; and structural analysis and design of buildings and components.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a. Stage I, II, III Storage Facility; HAFB, UT (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	2009	
	<input checked="" type="checkbox"/> Check if project performed with current firm	
b. Alter Operations Facility (Building 1258); HAFB, UT (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	2011	
	<input checked="" type="checkbox"/> Check if project performed with current firm	
c. Ordnance Storage Facility; HAFB, UT (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	2009	
	<input checked="" type="checkbox"/> Check if project performed with current firm	
d. Building 619 Study; Tooele Army Depot, UT (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	2010	
	<input checked="" type="checkbox"/> Check if project performed with current firm	
e. Federal Building Seismic Study; Ogden, UT; Albuquerque, NM; Butte, Montana (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	2009	
	<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Douglas Hightower, P.E	13. ROLE IN THIS CONTRACT Electrical Project Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 9	b. WITH CURRENT FIRM 4

15. FIRM NAME AND LOCATION *(City and State)*
Mountain Professional Engineers, Midvale, Utah

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S.E.E. - 1986 - Electrical Engineering	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> 1990 - Electrical Engineering
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Work has included short and long-range system work plans, line design, load-flow studies, utility rate studies, cost estimates and project feasibility studies. Has an in depth background in meter installation and trouble shooting, as well as power quality trouble shooting and analysis experience.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> Terry Ford Car Garage, Sandy, UT	(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

(1) TITLE AND LOCATION <i>(City and State)</i> Veterans Administration Hospital Capacitor Study, Salt Lake City, Utah	(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

(1) TITLE AND LOCATION <i>(City and State)</i> Power Quality Study, Salt Lake City, Utah	(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) TITLE AND LOCATION <i>(City and State)</i> TVSS Installation and Capacitor Installation, Salt Lake City, UT	(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

(1) TITLE AND LOCATION <i>(City and State)</i> Teltrust Service Upgrade, Salt Lake City, UT	(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 Todd Carbine	13. ROLE IN THIS CONTRACT Electrical Design Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 10	b. WITH CURRENT FIRM 4

15. FIRM NAME AND LOCATION *(City and State)*
Mountain Professional Engineers, Midvale, Utah

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Currently completing B.S.E.E. requirements	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i>
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Has a wide range of experience in a number of commercial, governmental, and institutional projects. Job related responsibilities include complete lighting and power system calculation and special systems design (fire alarm, telephone, lightning protection, etc.) construction document and specification preparation, and construction administration services.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a. Consolidated Telecommunications Facility; Hill Air Force Base, Utah (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm
b. Magnetic Resonance Indicator Facility; Aiken, New Jersey (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm
c. Morton International Substation Upgrade; Brigham City, UT (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	2009	<input checked="" type="checkbox"/> Check if project performed with current firm
d. Morton International HVAC System Additional; Brigham City, UT (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	2008	<input checked="" type="checkbox"/> Check if project performed with current firm
e. Morris Air Hangar; Salt Lake City International Airport; Utah (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	2011	<input checked="" type="checkbox"/> Check if project performed with current firm

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Warren Masterson, P.E	13. ROLE IN THIS CONTRACT Senior Mechanical Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 11	b. WITH CURRENT FIRM 1

15. FIRM NAME AND LOCATION *(City and State)*
Mountain Professional Engineers, Midvale, Utah

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S.M.E. - 1985- Mechanical Engineering	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Registered Professional Engineer/Mechanical
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
His experience includes project feasibility studies, systems economic analysis, energy audits and retrofit work for the Utah Energy Office. Warren also provides complete project supervision and inspection.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> Morton International HVAC Retrofit; Brigham City, UT	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(If applicable)</i>
a. (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> Integrated Structural Repair, Overhaul & Maintenance Facility, HAFB UT	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm This 280,000 sf building is designed to centralize, under one roof, facilities for the repair and maintenance of wings and stabilizers for F-4 and F-16 aircraft. This facility consists of test, maintenance and repair shops, as well as support facilities consisting of administrative offices, lunch facilities, shower and locker rooms. Inside docking areas for up to eight tractor trailer units at a time was included in the design.		

(1) TITLE AND LOCATION <i>(City and State)</i> Combined Chemical Laboratory, Dugway, UT	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
c. (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> Thiokol M111/M52 Air Filtration & Conditioning Retrofit, Brigham City, UT	(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 Liza Slick, P.E.	13. ROLE IN THIS CONTRACT Mechanical Project Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 16	b. WITH CURRENT FIRM 1

15. FIRM NAME AND LOCATION *(City and State)*
Mountain Professional Engineers, Midvale, Utah

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.M.E. - 1980 - Mechanical Engineering B. S. - 1971 - Chemistry	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> 1985 - Registered Professional Engineer/Mechanical
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Her 16 years of project experience ranges from project feasibility studies, system economic analysis and energy audits to special qualifications in the design of many different types of industrial, commercial and government projects.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> HVAC Renovation Air Traffic Control Tower, Patrick AFB, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010	CONSTRUCTION <i>(If applicable)</i>

a. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
The Air Traffic Control Tower was approximately 1,200 SF, design included phasing to allow for operations during the construction phase.

(1) TITLE AND LOCATION <i>(City and State)</i> HVAC Renovaton air traffic control operations center, Patrick AFB, FL	(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
Building was around 10,000 SF. design included phasing to allow for operations during the construction phase.

(1) TITLE AND LOCATION <i>(City and State)</i>	(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) TITLE AND LOCATION <i>(City and State)</i>	(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

(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 Rob MacClean, P.E	13. ROLE IN THIS CONTRACT Mechanical Project Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 38	b. WITH CURRENT FIRM 1

15. FIRM NAME AND LOCATION *(City and State)*
Mountain Professional Engineers, Midvale, Utah

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S.M.E. - 1973- Mechanical Engineering	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Registered Professional Engineer/Mechanical
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Has 37 years of experience in mechanical engineering design and project management in medium and heavy industrial plant facilities. Rob has a successful record of completed engineering projects, and an extensive background of varied experience.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a. Chem-Security, Canada (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Ventilation system, fans, carbon absorbers, and material handling for contaminated waste incinerator plant	<input type="checkbox"/> Check if project performed with current firm	
b. Locomotive Maintenance Facility; Kennecott Copper Corporation (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Engineering design for 85,000 s.f. locomotive maintenance facility	<input type="checkbox"/> Check if project performed with current firm	
c. U. S. Steel, Provo Utah (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Facility Improvements and investigation of maintenance and operating problems	<input type="checkbox"/> Check if project performed with current firm	
d. Northwest Pipeline Corporation, WA (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mechanical equipment and piping design for new liquified natural gas plant	<input type="checkbox"/> Check if project performed with current firm	
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 Jacob Forrest, P.E, Associate	13. ROLE IN THIS CONTRACT Project Environmental Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 23	b. WITH CURRENT FIRM 11

15. FIRM NAME AND LOCATION *(City and State)*
Forrest Green Engineers, Salt Lake City, Utah

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> M.S. - 1980 - Environmental Engineering B.S. - 1978 - General Science	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> 1988 - Professional Engineer - Civil - Utah, Idaho, New Mexico
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Has 15 years of experience in the areas of environmental engineering including hazardous waste, remediation, design and construction management. This experience includes working at military installations.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> Sanitary, industrial and storm water collection systems, Hill AFB, Utah	(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 Project Manager for sanitary, industrial and storm water collection systems evaluation, master planning and preliminary design at HAFB.		
(1) TITLE AND LOCATION <i>(City and State)</i> Tank Removal and Replacement Projects, Hill AFB, Utah	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2008	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 Project Manager for two major existing underground storage tank removal and relocation projects. The two projects involved 30 underground storage tanks ranging in size from 500 to 25,000 gallons.		
(1) TITLE AND LOCATION <i>(City and State)</i> Taxiway Fuel Hydrant System Demolition and Replacement, Mountain Home Air Force Base, Indiana.	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2009	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 Project Manager for Taxiway Fuel Hydrant System Demolition and Replacement project. Value \$2M		
(1) TITLE AND LOCATION <i>(City and State)</i> Wastewater collection and treatment system, Dugway Proving Ground Utah.	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2007	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 Project Manager and design engineer for the new wastewater collection and treatment system at Carr Area, Dugway Proving Ground Utah.		
(1) TITLE AND LOCATION <i>(City and State)</i> Alter Shops to Warehouses Tooele Army Depot, Utah	(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 Field Investigation of existing facilities for life safety and fire protection upgrade. Remodel existing facilities into new office and warehouse spaces. Seismic studies and structural upgrade. Interior-Exterior Utilities. Environmental impact statements. The value of the project was \$7,021,000.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Terrance Green, P.E.	13. ROLE IN THIS CONTRACT Civil Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 9	b. WITH CURRENT FIRM 9
15. FIRM NAME AND LOCATION <i>(City and State)</i> Forrest Green Engineers, Salt Lake City, Utah			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S. - 1985 - Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> 1989 - Professional Engineer - Civil	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> Industrial and sanitary wastewater collection systems, Hill AFB, Utah	(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 Project Engineer responsible for computer modeling of Hill Air AFB industrial and sanitary wastewater collection systems.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> Integrated Structural Repair, Overhaul and Maintenance Facility, Hill AFB, Utah	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(If applicable)</i>
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Design Engineer for utility re-route and additions for new Integrated Structural Repair, Overhaul and Maintenance Facility.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> Open-End master planning studies, Hill AFB, Utah	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2009	CONSTRUCTION <i>(If applicable)</i>
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Engineer on Hill Air Force Base Open-End master planning studies. This involves analysis of existing structures to determine their survival to seismic loads, land use planning, economic analysis of alternative land use scenarios and EPA permitting.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> Retrofit of an existing service station, Hill AFB, Utah	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010	CONSTRUCTION <i>(If applicable)</i>
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Completed a retrofit of an existing service station at Hill Air Force Base. Design included removal of three existing 8,000 gallon tanks and associated piping, installing three new 10,000 gallon double walled tanks and associated piping.	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> Design of flight line engine testing facility, Hill AFB, Utah	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Completed design of flight line engine testing facility at Hill Air Force Base. Design included removing four 25,000 gallon tanks, installing two new 25,000 tanks with above ground piping.	<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Charles Treadwell, Principal	13. ROLE IN THIS CONTRACT Project Cost Estimator	14. YEARS EXPERIENCE	
		a. TOTAL 25	b. WITH CURRENT FIRM 5
15. FIRM NAME AND LOCATION <i>(City and State)</i> Estimetrix, Murray, Utah			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Utah Technical College - 1976 - Cost Estimating		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> 1983 - American Association of Professional Estimators Certified Professional Estimator	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> ADAL Group Headquarters - 485th EIG Hill Air Force Base Utah	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a. (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> AFB Warehouse/Depot Production Hill Air Force Base, Utah	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
b. (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> Vehicle Maintenance Shop, Dugway Proving Ground, Utah	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
c. (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> Motor Pool Building Renovation Tooele Army Depot, Utah	(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> ADAL Avionics Support Facility Hill Air Force Base, Utah	(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 Frank Hueline	13. ROLE IN THIS CONTRACT Project Cost Estimator (Mech & Elec)	14. YEARS EXPERIENCE	
		a. TOTAL 24	b. WITH CURRENT FIRM 6
15. FIRM NAME AND LOCATION <i>(City and State)</i> Estimetrix, Murray, Utah			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Griswold Institute - 1977 - Physics and Math		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i>	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> ADAL Group Headquarters - 485th EIG Hill Air Force Base, Utah	(2) YEAR COMPLETED
	PROFESSIONAL SERVICES CONSTRUCTION <i>(If applicable)</i>
a. (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> Weapons and Release Shop Hill Air Force Base, Utah	(2) YEAR COMPLETED
	PROFESSIONAL SERVICES CONSTRUCTION <i>(If applicable)</i>
b. (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> Vehicle Maintenance Shop Dugway Proving Ground, Utah	(2) YEAR COMPLETED
	PROFESSIONAL SERVICES CONSTRUCTION <i>(If applicable)</i>
c. (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> Motor Pool Building Renovation Tooele Army Depot, Utah	(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> Army Aviation Support Facility Utah National Guard, Utah	(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

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 1
21. TITLE AND LOCATION <i>(City and State)</i> Integrated Structural Repair, Overhaul & Maintenance Facility Hill Air Force Base Utah	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Corps of Engineers Sacramento District	b. POINT OF CONTACT NAME Charles Wright	c. POINT OF CONTACT TELEPHONE NUMBER (916) 557-5100
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>		

Relevant Project Items:

- Life Safety Upgrade of Existing Building
- Fire Separations
- Asbestos Abatement
- Outside Utilities, Site Improvements
- Parking Areas and Service Roads

Awards:

Honor Award, 2007, Chief of Engineers
 Design and Environmental Awards Program

Project Description:

This project was \$27,422 million. It included 280,000 sf building is designed to centralize, under one roof, facilities for the repair and maintenance of wings and stabilizers for F-4 and F-16 aircraft. This facility consists of test, maintenance and repair shops, as well as support facilities consisting of administrative offices, lunch facilities, shower and locker rooms. Inside docking areas for up to eight tractor trailer units at a time was included in the design. Because of the types of operations (working with expoy and paint, and high dust concentrations) several occupancy separations were required. Exiting and fire protection provisions were also included.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Jakes Designers	(2) FIRM LOCATION <i>(City and State)</i> Salt Lake City, Utah	(3) ROLE Principle Designer
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
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

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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> Addition to Aircraft Maintenance Facility Hill Air Force Base, Utah	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2009	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Corps of Engineers Sacramento District	b. POINT OF CONTACT NAME Charles Wright	c. POINT OF CONTACT TELEPHONE NUMBER (916) 557-5100
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Relevant Project Items:

- Remodel of Existing Office and Support Areas
- Upgrade for Life Safety and Fire Protection Systems
- Outside Utilities, Pavements, Site Improvements
- Coordination with, and provisions for, expansion of Base Pneumatic Tube System

Awards:

Honor Award, 2009, Corps of Engineers

Project Description:

This project was \$9.3 million It included a 120,000 square foot office and support facility, and a receiving, material handling and high bay storage addition and a 90,000 square foot remodeling of an existing F-4 Aircraft Repair Facility. Work also included addition to and upgrade of existing fire suppression system. Remodeling work included changes to existing repair areas to allow work on F-16 aircraft assigned to the Base.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Jakes Designers	(2) FIRM LOCATION <i>(City and State)</i> salt Lake City, Utah	(3) ROLE Principal Designer
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
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

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 3
21. TITLE AND LOCATION <i>(City and State)</i> ADAL Operations/Maintenance Facility Addition and Remodel Hill Air Force Base, Utah	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2008	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Corps of Engineers Sacramento District	b. POINT OF CONTACT NAME Charles Wright	c. POINT OF CONTACT TELEPHONE NUMBER (916) 557-5100
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Relevant Project Items:

- Existing Building Upgrades for Life Safety and Structural Upgrade
- Fire Protection
- Outside Utilities Including Relocation of Steam & Condensate Mains
- Pavements, Site Improvements

Project Description:

The project cost for design was \$1.3 million. It consisted of a 9,000 sf addition to Building 42, and the remodel of the office and shop facility for the testing and repair of wing tanks for the F-16 aircraft. Also included in this project was the expansion to, and upgrade of, Building 63 which is a separate building.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Jake Designers	(2) FIRM LOCATION <i>(City and State)</i> Salt Lake City, Utah	(3) ROLE Principle Designer
b.	(1) FIRM NAME Estimatrix	(2) FIRM LOCATION <i>(City and State)</i> Murray, Utah	(3) ROLE Cost Estimating
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

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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> Landing Gear Overhaul Facility, Hill Air Force Base, Utah	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Hill Air Force Base	b. POINT OF CONTACT NAME John Smith	c. POINT OF CONTACT TELEPHONE NUMBER 801-777-1110
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Relevant Project Items:

- Removal of existing facilities including asbestos abatement
- Outside utilities, pavements, site improvements

Awards:

- Honor Award, Corps of Engineers, 2010
Chief of Engineers Design and Environmental Awards Program
- Honor Award, Mountain Region American Institute of Architects, 2010
- Honor Award, US Air Force Design Awards Program, 2010
- Merit Award, Air Force Logistics Award of Excellence, 2010

Project Description:

The project was intended to provide a major facility which would be capable of overhauling and repairing brakes, wheels and struts for US Air Force aircraft. This extremely large facility required a capability in handling a large number of people while performing a series of complicated tasks efficiently. The quality of space had to be conducive to good work habits incorporating choice of color, natural lighting and contiguous spacial flow. Exterior sloped strip windows were provided around the perimeter to introduce natural light. Interior spaces remained open in order to take advantage of the day lighting. Cafeteria and break rooms were located on the second floor with views of the valley to the west. This project value was \$7.021 million.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Jakes Designers	(2) FIRM LOCATION <i>(City and State)</i> Salt Lake City, Utah	(3) ROLE Principle Designer - JV
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
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

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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> Alter Shops to Warehouses Tooele Army Depot, Utah	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2009	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Corps of Engineers Sacramento District	b. POINT OF CONTACT NAME Charles Wright	c. POINT OF CONTACT TELEPHONE NUMBER (916) 557-5100
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>		

Relevant Project Items:

- Field Investigation of existing facilities for life safety and fire protection upgrade
- Remodel existing facilities into new office and warehouse spaces
- Seismic studies and structural upgrade
- Interior-Exterior Utilities
- Parking Areas, Service Roads

The value of the project was \$7,021,000.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Jakes Designers	(2) FIRM LOCATION <i>(City and State)</i> Salt Lake City, Utah	(3) ROLE Principle Designer
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
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

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 6
21. TITLE AND LOCATION <i>(City and State)</i> Alter Stage I-III Rocket Motor Maintenance Facility, Hill AFB Utah	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2009	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Corps of Engineers Sacramento District	b. POINT OF CONTACT NAME Charles Wright	c. POINT OF CONTACT TELEPHONE NUMBER (916) 557-5100
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Provided extensive structural repair, alteration, and complete remodels of large buildings. Services included site investigation, design of support and special truss systems, cost estimates, and design calculations. A complete remodel work was required for the auto repair shop buildings 1243 and 1253.

Building 1295 office remodel included design of new roofing and flooring structures, fire alarm, and connections of flexible office furniture systems.

The remodel of the lab in Building 100, Bay B, C, and D included extensive site investigation of existing lab equipment being relocated to the new locations.

PROJECT ESTIMATED ENTIRE PROJECT COST

- Bldg 1243 and 1253 Remodel and Upgrade; \$1,000,000
- 15kV transformer, new distribution system \$600,000
- Bldg 1295 Remodel and Upgrade; office, fire alarm, \$600,000
- Bldg 100, Bay N, O, and P Remodel and Upgrade \$350,000
- Bldg 100, Bay P, 2nd level, Remodel and Upgrade \$800,000
- Bldg 100, Bay B, C, D, Lab Remodel \$50,000

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Westerly Engineers & Associates	(2) FIRM LOCATION <i>(City and State)</i> Salt Lake City, Utah	(3) ROLE Designer
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
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

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT
(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER
7

21. TITLE AND LOCATION <i>(City and State)</i> Alter Operations Facility, Hill AFB, Utah	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 Sam Smith	c. POINT OF CONTACT TELEPHONE NUMBER (916) 557-5102
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Designed and engineered the complete mechanical system for the facility including the HVAC and air distribution systems, central compressed air plant, industrial vacuum systems, (7) manual paint spray booths, manufacturing and production, fume capture and exhaust systems, and steam and condensate lines to the central steam plant Building 260. Design also included a secondary process boiler plant complete with one 16,600 lbs/hr (500 HP) boiler, and its associated deaerator, surge tank, feed pumps, transfer pumps, condensate return systems, chemical feed systems fans, controls and instrumentation. This secondary boiler plant is interconnected through the building to the central plant Building 260. Duties included field analysis of existing systems in boiler plant, preparation of construction drawings, specification, cost estimates, design analysis, and construction inspection services. Additional design work included the mechanical support for the mechanical material handling system installed in the facility.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Westerly Engineers & Associates	(2) FIRM LOCATION <i>(City and State)</i> Salt Lake City, Utah	(3) ROLE Designer
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
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

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT
(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER
8

21. TITLE AND LOCATION <i>(City and State)</i> Morris Air 737 Hanger & Maintenance Facility, Salt Lake City, Utah	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Morris Airlines	b. POINT OF CONTACT NAME Tracy Gylmn	c. POINT OF CONTACT TELEPHONE NUMBER (804) 845-9989
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Design requirements included basis lighting/power and special system design for a hangar and support facilities for Morris Air's 737 aircraft. Support facilities included a sheet metal and engine shop, hazardous location design for a paint booth and flammable liquid storage, storage, offices and warehouse areas. An interior/exterior 400 Hz power distribution system for power requirements to the aircraft service pits and maintenance shops for maintenance procedures was included. An innovative, energy saving lighting system was designed in the hangar area to provide maximum flexibility. Design documents also included a CO-RAY-VAC heating system for the hangar, paging systems, a 100 KW emergency generator system, as well as the normal array of communication and fire alarm system coordination. Value \$4.2 million.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Mountain Professional Engineers	(2) FIRM LOCATION <i>(City and State)</i> Midvale, Utah	(3) ROLE Designers
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
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

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 9
21. TITLE AND LOCATION <i>(City and State)</i> Morton International HVAC Retrofit, Brigham City, Utah	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Morton International	b. POINT OF CONTACT NAME Ella Steele	c. POINT OF CONTACT TELEPHONE NUMBER 901 - 556-7785
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Designed and engineered the complete mechanical HVAC system, fire protection, plumbing, power, and associated utilities for a 580,000 square foot air bag manufacturing facility. The cooling system was designed around support criteria for 27 manufacturing lines requiring 30 tons of cooling/line. Four built-up air handling units were designed at approximately 150,000 cfm/unit. Each unit provided the adequate ventilation, pressurization, and filtration necessary for the near clean room environment. The system is a medium pressure variable air volume design with temperature controlled terminal dampers. The designed central fire protection, building alarm, automatic temperature control and energy management computer systems controls the building. Additional work for the building has included all power, lighting, modular interior substations, switchgear, motor control centers, etc. A new 25 MW substation was designed and installed including underground feeders, pull boxes for new services to the facility. Electrical design also included a series of new interior 2500A main distribution panels and motor control centers for plant equipment. The design of the mechanical and electrical work was accomplished on a fast track schedule for the owners occupancy and production requirements. Other building modifications included compressed air systems, argon/helium pumping stations and hybrid bottle fill station support, exhaust, filtration and baghouse applications, and low temperature cryogenics. All engineering duties included initial study effort and master planning, preparation of design drawings, specifications, cost estimates, bidding evaluation, and performance of construction inspection services

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Mountain Professional Engineers	(2) FIRM LOCATION <i>(City and State)</i> Midvale, Utah 84047	(3) ROLE Mechanical designer
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
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

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 10
21. TITLE AND LOCATION <i>(City and State)</i> Chemical Munitions Maintenance and Reconfiguration Facility , Tooele Army Depot, Utah	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Corps of Engineers Sacramento District	b. POINT OF CONTACT NAME Sam Smith	c. POINT OF CONTACT TELEPHONE NUMBER (916) 557-5102
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Forrest Green Associates provided full design drawings, specifications, phasing schedules and permits for the project. The design effort was split into two packages in order to facilitate fast-track construction. This was necessary to meet the systemization schedule. The first package consisted of the natural gas delivery system including the off-base connection and metering, high pressure distribution system to CSDP South Area Administration, Laundry Facility and Building 553 (Reconfiguration), pressure regulators and cathodic protection. The second package included road and drainage reconstruction with Area 10 (23.5 miles), reconstruction off 3.2 miles of Reynolds Road, reconstruction of 0.5 miles of Montgomery Road, security features on drainage systems, four parking facilities, a new laundry facility for cotton and rubber goods, masks, etc., Area 10 change-house expansion and remodel, Building 553 (Reconfiguration), Remodel/Expansion including explosion proof electrical systems, structural upgrade, HVAC systems, fire systems, filter tech. package, leaker-handling facility, communications upgrade, Sally port expansion and renovation.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Forrest Green Associates	(2) FIRM LOCATION <i>(City and State)</i> Salt Lake City, Utah	(3) ROLE Civil/Environmental Designers
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
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

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
Thomas Deardorff	Principal-In-Charge	X	X	X	X						
Phillip Eastwick	Project Architect	X	X	X	X	X					
Nathan Westover, P.E., C.S.E.	Project Manager, Structural						X				
James Duggan, P.E., C.S.E.	Project Engineer, Structural						X	X			
Douglas Hightower, P.E	Electrical Project Engineer										
Todd Carbine	Electrical Design Engineer									X	
Warren Masterson, P.E	Senior Mechanical Engineer	X								X	
Liza Slick, P.E.	Mechanical Project Engineer										
Rob MacClean, P.E	Mechanical Project Engineer										
Jacob Forrest, P.E, Associate	Project Environmental Eng					X					X
Terrance Green, P.E.	Civil Engineer	X									X
Charles Treadwell, Principal	Project Cost Estimator			X							
Frank Hueline	Project Cost Estimator			X							

29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Integrated Structural Repair, Overhaul & Maint.	6	Alter Stage I-III Rocket Motor Maintenance Facility
2	Addition to Aircraft Maintenance Facility	7	Alter Operations Facility
3	ADAL Operations/Maintenance Facility Addition	8	Morris Air 737 Hanger & Maintenance Facility
4	Landing Gear Overhaul Facility	9	Morton International HVAC Retrofit
5	Alter Shops to Warehouses	10	Chemical Munitions Maintenance and Reconfiguration

H. ADDITIONAL INFORMATION

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

QUALITY CONTROL - Our Quality Control Plan (QCP) is based on the following:

1. Quality is defined as conformance to client requirements
2. The process for causing quality is prevention, not appraisal
3. The performance standard is Zero defects

This program requires close communication with clients and client involvement in all decisions. Quality will be the basis of the project philosophy and will not be sacrificed during contract execution to meet schedule or cost. Therefore, during project planning, quality will be an integral part of the planning process. By using a Quality Control Plan our projects are delivered on schedule and within budget. In addition, by submitting our documents to the review process implemented by our QCP, field questions are kept to a minimum. Prior to a response being submitted, Jakes reviews each RFP to determine our experience and qualifications in relationship to the project being advertised. After determining that we, as the team leader, have the appropriate qualifications we then select a team of consulting engineers. The following criteria is reviewed in making these selections: 1) Have we worked with this firm/individual previously; 2) Are they qualified for this type of project; 3) Do they have the manpower available to perform the work. Upon being selected by the client to perform the work, we then set up a schedule for coordination meetings. These are usually once a week, but could be more often as required. During the Design Process, we maintain constant contact with the COE Project Manager. It is important that we have the user input. This input is directed to the Project Manager and will be determined if it is in the Jakes' Scope of Work. One week prior to each submittal we obtain a check set of documents from each consultant. These are used for checking and coordination by the A-E Project Manager, and at least one other Principal Architect who has not been working on the project. At the same time, each Engineering Consultant is also reviewing their material using this procedure. Prior to the final submittal, a meeting with all Team Members is held to review the original Scope of Work, all Design Directives, and all COE Review comments to make sure that all issues and/or concerns have been addressed.

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 JAKES DESIGNERS			3. YEAR ESTABLISHED 23	4. DUNS NUMBER
2b. STREET 444 West 54th Street , Utah 84111			5. OWNERSHIP	
2c. CITY Salt Lake City			a. TYPE	
2d. STATE UT	2e. ZIP CODE 84111		b. SMALL BUSINESS STATUS	
6a. POINT OF CONTACT NAME AND TITLE Thomas Deardorff, Principal			7. NAME OF FIRM <i>(If block 2a is a branch office)</i>	
6b. TELEPHONE NUMBER 801- 555-7878		6c. E-MAIL ADDRESS deardorfft@jakesdesign.com		
8a. FORMER FIRM NAME(S) <i>(If any)</i>			8b. YR. ESTABLISHED 1991	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			
01	Administrative	28				
06	Architects	10				
12	Civil Engineers	13				
15	Construction Inspectors	8				
08	Draftsmen	35				
21	Electrical Engineers	14				
18	Estimators	7				
42	Mechanical Engineers	7				
43	Mining Engineers	1				
52	Sanitary Engineers	2				
55	Soils Engineers	1				
56	Specifications Writers	2				
57	Structural Engineers	20				
38	Surveyors	11				
60	Transportation Engineers	3				
53	Schedulers	1				
23	Environmental Engineers	2				
58	Engineering Technicians	15				
16	Construction Engineers & Techs	10				
51	Recreational Engineers	1				
	Other Employees					
Total		191				

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	7	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	6	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
c. Total Work	8	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	