

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Jan M. Harris, PE	13. ROLE IN THIS CONTRACT Structural Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 32	b. WITH CURRENT FIRM 14.5
15. FIRM NAME AND LOCATION <i>(City and State)</i> Liberty Engineering, PC Virginia Beach, Virginia			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Master of Engineering , 1993, Old Dominion University, Norfolk, Virginia, Structural Engineering Emphasis Bachelor of Science , 1978, School of Civil and Environmental Engineering, Cornell University, Ithaca, New York		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Professional Engineer: VA, NC, WV, MD, PA, NY, Board Certified by the Structural Engineering Certification Board: #1704	

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Mr. Harris has a diverse background in construction and design. Prior to self-employment at Liberty Engineering, he worked in both small and large consulting engineering firms and served as a commissioned officer in the US Army Corps of Engineers. He has successfully designed or managed over 250 federal design projects. He has participated in over 60 Indefinite Quantity Contracts including Structural, Civil/Structural, Mechanical/Electrical and Architectural. He has completed several federal design projects using metric units. **ASCE Fellow, NSPE Member, AISC Member, ECHR President (1996)**

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>
Maurchan Continuous Mixer Installation – Phase 1 Chesterfield, VA	2009	2009
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Structural engineering for improvements to an existing industrial food production facility (Ramen Noodles)- replaced existing batch process mixers with continuous mixer. Process and HVAC improvements required analysis of existing structure, reinforcement of existing structure, removal of an existing building column and providing a transfer girder for alternate support.	<input checked="" type="checkbox"/> Check if project performed with current firm	
Building 17 Floor Repairs VAMC Hampton, VA	2010	2010
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Structural engineering for repairs and reinforcement of existing wood framed floor of approximately 1500 square feet. Existing floor was sagging creating many renovation and safety issues. Designed repairs and reinforcement to accommodate renovation and application of self leveling gypsum concrete overlay.	<input checked="" type="checkbox"/> Check if project performed with current firm	
Electrical Equipment Support Platform VAMC Hampton, VA	2009	ongoing
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Structural engineering for design of a new pile supported concrete platform, elevating medical center electrical equipment above expected flood levels. Switchgear and transformers supplies the medical center were replaced and raised approximately four feet.	<input checked="" type="checkbox"/> Check if project performed with current firm	
Building 110 Mechanical Upgrade- HVAC Operating Rooms VAMC, Hampton, VA	2009	ongoing
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Structural engineering for new rooftop equipment supports, dunnage, access stairs,platforms. Expanded existing rooftop platforms to accommodate new equipment in support of HVAC upgrade	<input checked="" type="checkbox"/> Check if project performed with current firm	
Riverside Hospital Boiler Addition Newport News, VA	2009 +	2009
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Structural engineering for design of cold formed steel framing walls, new boiler additiona to an existing hospital plant.	<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 Garold L. Moore, PE	13. ROLE IN THIS CONTRACT Structural Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 27	b. WITH CURRENT FIRM 5

15. FIRM NAME AND LOCATION (City and State)
Liberty Engineering, PC Virginia Beach, VA

16. EDUCATION (DEGREE AND SPECIALIZATION) Graduate Studies, 1987-1989 Old Dominion University, Norfolk, Virginia, Structural Engineering, Port Design Bachelor of Science, 1983, Civil Engineering, Old Dominion University, Norfolk, Virginia	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer: VA, NC
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Mr. Moore is experienced in the design of steel, concrete, masonry and timber structures. He has worked for federal, industrial, state, municipal and private clients on a wide variety of new construction, renovation and repair projects.

He has participated in Indefinite Quantity Design Contracts including Structural, Civil/Structural, and Civil. He has completed design projects using metric units and is familiar with federal design standards. **AISC** Member, **ASCE** member.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a. Murchan Continuous Mixer Installation – Phase 1 Chesterfield, VA	2009	2009
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Structural engineering for improvements to an existing industrial food production facility (Ramen Noodles)- replaced existing batch process mixers with continuous mixer. Process and HVAC improvements required analysis of existing structure, reinforcement of existing structure, removal of an existing building column and providing a transfer girder for alternate support.		
b. Murchan Continuous Mixer Installation – Phase 2 Chesterfield, VA	2010	2010
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Structural engineering for improvements to an existing industrial food production facility (Ramen Noodles)- replaced existing batch process mixers with continuous mixer. Process and HVAC improvements required analysis of existing structure and design of reinforcement to existing structure.		
c. Grating Platform, Buildign 137 Electrical Room VAMC, Hampton, VA	2010	ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Structural engineering for raising switchgear and other electrical equipmnet approximately two feet to reduce flood impacts. Existing electrical room was outfitted with a raised bar grating floor in support of an electrical improvement project.		
d. Medical Education and Research Building EVMS, Norfolk, VA	2010	ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Structural design services for cold formed steel framed exterior walls of five story building.		
e. Obici Hospital Bed Tower Suffolk VA	2009	2009
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Structural design services for cold formed steel framed exterior walls of four story building.		

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

12. NAME Benjamin J, Curtis, EIT	13. ROLE IN THIS CONTRACT Intern Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 4	b. WITH CURRENT FIRM 4
15. FIRM NAME AND LOCATION (City and State) Liberty Engineering, PC Virginia Beach, VA			
16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science, 2005, Civil Engineering, Old Dominion University, Norfolk, Virginia		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Engineer in Training, VA	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. Curtis is a young engineer with an excellent work ethic. Liberty Engineering is pleased to have this 2006 addition to our staff. Member: AISC ACI, ASCE			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	EOP 3 Medical Shell Building Norfolk, VA	2008	2009
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
	Structural engineering for design of 5000 square foot medical office building with wood truss roof, load bearing metal stud walls and spread footing foundation. Special project requirements included suspended radiological equipment and shielded walls.		
b.	Vertical Chiller/Tumbler Installation VAMC Hampton, VA	2009	2009
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
	Structural analysis of existing kitchen floor framing for loads imposed by proposed new equipment installation.		
c.	Electrical Equipment Support Platform VAMC Hampton, VA B	2009	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
	Structural engineering for design of a new pile supported concrete platform, elevating medical center electrical equipment above expected flood levels. Switchgear and transformers supplies the medic al center were replaced and raised approximately four feet		
d.	Medical Shell Building Chesapeake, VA	2009	2009
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
	Structural design services for cold formed steel framed exterior walls of single story building with complicated parapets and architectural features.		
e.	Fort Norfolk Plaza Medical Offices Norfolk, VA	2009	2009
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
	Structural design services for cold formed steel framed exterior walls of five story building.		

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 LIBERTY ENGINEERING, PC			3. YEAR ESTABLISHED 1995	4. DUNS NUMBER 94-131-7844
2b. STREET 4521 E Honeygrove Rd. Suite 108			5. OWNERSHIP	
2c. CITY Virginia Beach			a. TYPE Corporation	
2d. STATE VA	2e. ZIP CODE 23455		b. SMALL BUSINESS STATUS Yes Veteran Owned	
6a. POINT OF CONTACT NAME AND TITLE Jan M. Harris, PE, President			7. NAME OF FIRM (if block 2a is branch office)	
6b. TELEPHONE NUMBER (757) 499-2791	6c. E-MAIL ADDRESS jan@libertyeng.net			

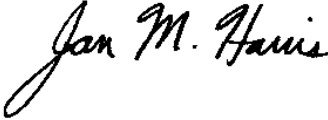
8a. FORMER FIRM NAME(S) (if any) NA	8b. YR. ESTABLISHED	8c. DUNS NUMBER
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9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	1	1	B02	Bridges	1
08	CADD Technician	2	2	C06	Churches, Chapels	1
57	Structural Engineer	3	3	C10	Commercial Buildings (low rise)	1
				C12	Communications Systems; TV Microwave	1
				D07	Dining Halls; Clubs, Restaurants	1
				F02	Field Houses; Gyms Stadiums	1
				F05	Forensic Engineering	1
				G01	Garages; Vehicle Maintenance Facilities; Parking Decks	1
				H01	Harbors; Jetties; Piers, Ship Terminal Facilities	1
				I01	Industrial Buildings; Manufacturing Plants	1
				L06	Lighting (Exteriors; Streets, Airfield Athletic Fields)	1
				O01	Office Parks, Industrial Parks	1
				R04	Recreation Facilities (Parks, Marinas, etc.)	1
				S03	Seismic Designs and Studies	1
				S04	Sewage Collection, Treatment and Disposal	1
				S05	Soils & Geologic Studies, Foundations	1
				S09	Structural Design; Special Structures	1
				S13	Storm Water Handling & Facilities	1
				T05	Towers (Self Supporting & Guyed Systems)	1
				W01	Warehouses & Depots	1
				W03	Water Supply Treatment & Distribution	1
				W04	Wind Tunnels; Research/Testing Facility Design	1
Total		6	6			

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	1	1. Less than \$100,000	6. \$2 million to less than \$5 million	7. \$5 million to less than \$10 million	
b. Non-Federal Work	2	2. \$100,000 to less than \$250,000	8. \$10 million to less than \$25 million		
c. Total Work	3	3. \$250,000 to less than \$500,000	9. \$25 million to less than \$50 million		
		4. \$500,000 to less than \$1 million	10. \$50 million or greater		
		5. \$1 million to less than \$2 million			

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE July 12, 2010
c. NAME AND TITLE Jan M. Harris, PE, President	

Block H :

Liberty Engineering is a professional corporation licensed in accordance with the laws of the Commonwealth of Virginia to provide professional engineering and architectural services. Jan M. Harris, PE founded the firm in 1995 to provide structural engineering design services. Mr. Harris has over 28 years of experience in design and construction. Liberty Engineering can assign up to three design professionals and two technicians to our design projects. We are specialists in the design and evaluation of structural systems for foundations, buildings, bridges and public or industrial infrastructure made of wood, steel, aluminum, masonry and concrete

Liberty Engineering serves a diverse clientele including private and government facility owners, architects, consulting engineers, general contractors and specialty contractors. Our specialty contractor clients include communications equipment suppliers, structural steel fabricators, manufacturers of canopies and awnings, glazing contractors, light gage cold-rolled steel installation contractors and masons. We take pride in our ability to successfully work with clients from the entire breadth of the facilities design, management and construction industries.

Liberty Engineering maintains a modern, fully equipped office in the heart of Virginia Beach. State of the art computer, fax, printing and telephone systems allow for efficient, high quality service. Liberty Engineering is available on the internet. Visit our website: www.LibertyEng.net. In addition to word processing, spreadsheet and accounting software, we have software for computer aided design and drafting. The firm has the latest releases of IES Visual Analysis, AutoCAD 2011 Revit Structural Suite 2011. Visual Analysis is a structural analysis program. AutoCAD is a popular computer aided drawing program. Revit Structural Suite assists with Building Information Modelling (BIM) Liberty Engineering is a member of the Hampton Roads Chamber of Commerce and the Builders and Contractors Exchange. The firm has certificates of authority to perform engineering work in Virginia, North Carolina, West Virginia, Delaware, Colorado and New York.

Our staff is committed to continual improvement of our services. We remain abreast of current issues in engineering by actively participating in continuing education efforts, local and national professional societies, by corresponding with design and construction professionals worldwide via internet interest groups sponsored by engineering societies and private individuals, and by pursuing appropriate professional development opportunities.

AWARDS And Quality Of Past Performance On Similar Projects:

Liberty Engineering received numerous high marks for its work on the Fort Monroe Marina. The Design-Build Team earned an "Above Average Performance Rating" from the Norfolk District Corps of Engineers. The design team contributed by garnering "Outstanding" ratings for the performance elements: Cooperation and Responsiveness; As-Built; "Above Average" ratings were received for elements related to Quality of Design, Submittals, Management, Coordination, Professional Conduct, and Timely Performance. No elements of the evaluation were rated as less than "Satisfactory".

The Virginia Beach Planning Commission cited the Lynnhaven Boat Ramp project as the outstanding municipal project of 2003. The project also was cited by the Virginian Pilot as runner-up municipal improvement in their annual "Best of the Beach" Awards.