

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Alan N. Watt, PE, LEED AP BD+C, BCxP, FSAME	13. ROLE IN THIS CONTRACT Principal	14. YEARS EXPERIENCE	
		a. TOTAL 45	b. WITH CURRENT FIRM 5
15. FIRM NAME AND LOCATION <i>(City and State)</i> A. N. Watt Consulting Engineers, LLC, Orange Park, Florida			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Master of Science/Engineering Management, Florida (2002) Bachelor of Science/Engineering Technology, Construction Management, Oklahoma State (1975)		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Mechanical Engineer, FL (No. 41587), CA (No. M 26493), GA (No. 26427), MS (No. 14122), NC (No. 021036), OK (No. 13250), TX (No. 60863), VA (No. 045459) NCEES (No. 13171) Fire Protection Engineer, FL (No. 41587) LEED AP Building Design and Construction Building Commissioning Professional	

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Member of ASHRAE, National Council of Examiners for Engineering & Surveying, National Fire Protection Association, Society of American Military Engineers (Fellow) and Society of Fire Protection Engineers.
Alan Watt possesses extensive technical know-how as an engineer and, commissioning agent as well as demonstrated expertise in project and construction management. He has over 44 years of broad experience and considerable insight from managing capital improvement projects for numerous governmental agencies to include local municipal, state and federal activities. Mr. Watt's proficiency includes scope of work and budget work-ups; managing full design and construction activities; and, planning and overseeing commissioning for large projects as well as for smaller sustainment, restoration and modernization projects that include LEED criteria. Mr. Watt retired as a Navy Captain, Civil Engineer Corps, following 25 years of active and reserve duty with time in hostile conditions. He is a Fellow of the Society of American Military Engineers.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If Applicable)</i>
a.	lkon.5 Architects, National Purple Heart Hall of Honor New Windsor, NY	2019 - TBD	2021
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Commissioning agent for a new 5,000 SF addition to an existing historic structure within the New Windsor Cantonment area. Services include preparation of the OPR, Preparation of the Commissioning Plan, preparation of the commissioning specifications, conducting design submittal reviews, preparation of all start-up and testing documentation, all using CxAlloy software to manage the process. As the project progresses into construction, Mr. Watt will provide the observation of functional performance testing, documentation of the systems manual, preparation of the final commissioning report, and warranty period final walk thru. Fee: \$73K. Construction Cost: \$ 8M.		
b.	AECOM, Moynihan Phase II Train Hall Space Fit-Out New York, NY	2018 - 2019	N/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	
	Commissioning Agent. Commissioning, Acceptance and Maintenance Plan (CAMP) which includes the writing of operating and maintenance manuals, selecting maintenance and warranty standards, devising service and maintenance agreements for select systems, establishing final testing/acceptance criteria and full process documentation. His approach includes the identification of materials, equipment and systems that improve sustainability/reduce costs. This phase is for 5.4KSF of ticketing and office space within the 400KSF Train Hall. Fee: \$35K. Construction Cost: \$ UNK.		
c.	Parsons, Outpatient Clinic Renovation VAMC Long Beach, CA	2018 - 2020	N/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	
	Commissioning Agent. Commissioning activities of the five (5) phase \$23M renovation of the Outpatient Clinic, Buildings 126 and 126OP, of the VAMC which consists of several specialty clinics including audiology, vision, sleep lab, education rooms and a welcome/reception area and associated utilities. Approximately 52KSF of area are being renovated on the first and second floors, along with approximately 32KSF of basement utility area. MacDonald-Bedford was brought in to manage the construction, acceptance and warranty phases. All documentation was input, then managed using CxAlloy software. Fee: \$177K. Construction Cost: \$23M.		

d.	(1) TITLE AND LOCATION <i>(City and State)</i> Mead & Hunt, California Military Department, Consolidated HQ Complex <i>Rancho Cordova, CA</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016 - 2022	CONSTRUCTION <i>(If Applicable)</i> N/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	
Commissioning Agent for a new five building, 31 acre, LEED Gold, Zero Net Energy Consolidated Headquarters Complex in Rancho Cordova. Services include the preparation of and revision to the commissioning plan, preparation of the commissioning specification, review of design and construction submittals, organization of the commissioning team, participation in design reviews/team meetings, participation in ZNE working group meetings, development of all testing documentation, the observation of functional performance testing, documentation of the systems manual, preparation of the final commissioning report, and warranty period final walk-thru. All documentation was input, then managed using CxAlloy software. Fee: \$285K. Construction Cost: \$132M.			
e.	(1) TITLE AND LOCATION <i>(City and State)</i> Mead & Hunt, CMD DSCA Armory <i>Los Alamitos, CA</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016 - TBD	CONSTRUCTION <i>(If Applicable)</i> N/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	
Commissioning agent for a new Joint Forces Armory/Readiness Center at Los Alamitos. Services include updating the commissioning plan, preparation of the commissioning specifications, preparation of State design review documentation forms, review of construction submittals, participation in team meetings, development of all testing documentation, the observation of functional performance testing, documentation of the systems manual, preparation of the final commissioning report, and warranty period final walk-thru. Fee: \$48K. Construction Cost: \$ 12M.			
f.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If Applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
g.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If Applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
h.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If Applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
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		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If Applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	