

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE	PAGE 1 OF 3 PAGES
2. AMENDMENT/MODIFICATION NO. AMENDMENT NO. 0001		3. EFFECTIVE DATE 05/28/08	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable) 02-3481	
6. ISSUED BY Resident Officer in Charge of Construction 1005 Michael Road Camp Lejeune, NC 28547-2521		CODE ase	7. ADMINISTERED BY (If other than Item 6) See Item 6		CODE
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(X)	9A. AMENDMENT OF SOLICITATION NO. N40085-02-R-3481
				x	9B. DATED (SEE ITEM 11) 05/16/08
CODE					10A. MODIFICATION OF CONTRACT/ORDER NO.
					10B. DATED (SEE ITEM 11)
FACILITY CODE					

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers  is extended,  is not extended.  
 Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:  
 (a) By completing items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted;  
 or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS.  
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor  is not,  is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

02-3481, Structural and HVAC Renovations to FC571

(CONTINUED)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
_____ (Signature of person authorized to sign)		_____ (Signature of Contracting Officer)	

CONTINUATION SHEET

1. NAVFAC dwg 4481903, Sheet A6, Door Schedule: add 16"x16" door grill to door number 101A.
2. NAVFAC dwg 4481907, sheet S1, Detail 5, Section: add note to new opening in roof slab, "Provide air tight closure"
3. NAVFAC dwg 4481912, Sheet FP-2: add note 4, "Cut and patch soffit ceiling as necessary to install new sprinkler pipes".
4. NAVFAC dwg 4481914 sheet M1: Delete existing drawing. Add NAVFAC dwg 4481914 revised 5.16.08.
5. NAVFAC dwg 4481917 sheet M4: Delete existing drawing. Add NAVFAC dwg 4481917 revised 5.16.08.
6. NAVFAC dwg 4481918 sheet M5: Delete existing drawing. Add NAVFAC dwg 4481918 revised 5.16.08.
7. NAVFAC dwg 4481919 sheet M6: Delete existing drawing. Add NAVFAC dwg 4481919 revised 5.16.08.
8. NAVFAC dwg 4481921 sheet M8: Delete existing drawing. Add NAVFAC dwg 4481921 revised 5.16.08.
9. NAVFAC dwg 4481922 sheet M9: Delete existing drawing. Add NAVFAC dwg 4481922 revised 5.16.08.
10. NAVFAC dwg 4481923 sheet M10: Delete existing drawing. Add NAVFAC dwg 4481922 revised 5.16.08.
11. NAVFAC dwg 4481924, sheet M11, Detail 5, Steam Pressure Reducing Station Detail: Change reducing valve type from pilot operated to direct acting for motive steam for PT-1.
12. NAVFAC dwg 4481925, sheet M12, Detail 5, Dual Temperature Water Coil Piping Detail: Add circuit setter to bypass line. Adjust for 60% of specified coil flow when in full bypass flow.
13. NAVFAC dwg 4481932 sheet E7, Enlarged Electrical New Work plan 1 & 2: Add GFCI receptacle to each mechanical room/chase, locate on right wall between air handler and plumbing chase. Provide 2-#12, 1-#12 EGC in 1/2" EMT from receptacle to Panel LA1, LB1, LC1, LD1, LE1, & LF1. Extend & connect to spare 20 amp circuit breaker.
14. NAVFAC dwg 4481932 sheet E7, Enlarged Electrical New Work plan 2: Add 2hp motor starter and pump circuit between air handler and door. Provide 3-#12, 1-#12 EGC 1/2" EMT to Panel LA1.
15. NAVFAC dwg 4481937 sheet E12: Add 20amp 208V, 3-pole circuit breaker in Panel LA1. Use spare 20 amp circuit breaker for 120 volt dehumidifier circuit in Panel LA1, LB1, LC1, LD1, and LE1.
16. NAVFAC dwg 4481938 sheet E13: Use spare 20 amp circuit breaker for 120 volt dehumidifier circuit in Panel LF1.
17. Section 13930N, Wet-Pipe Fire Suppression Sprinklers, para 1.3, Add to end of sentence "except the attic."
18. Section 13930N, para 1.4.1 Location of Sprinkler Heads, Change to read "Heads in relation to the ceiling and the spacing of sprinkler heads shall not exceed that permitted by NFPA 13 for ordinary hazard occupancy. Uniformly space sprinklers on the branch piping."
19. Section 13930N, Wet-Pipe Fire Suppression Sprinklers, para 1.4.3 Density of Application of Water, Change density from .15 to .10 gpm per sq ft.
20. Section 13930N, Wet-Pipe Fire Suppression Sprinklers, para 1.4.5 Outside Hose Allowances, Change outside hose stream allowance from 150 to 250 gpm.
21. Section 13930N, Wet-Pipe Fire Suppression Sprinklers, para 1.4.9, As Built Drawings, Add the following sentence, "Submit drawings electronically in Autocad 2000 format no CD."
22. Section 13930N, Wet-Pipe Fire Suppression Sprinklers, para 2.2.1 Sprinkler Piping, In the second sentence change 8" to 2.5" in two places.
23. Section 13930N, Wet-Pipe Fire Suppression Sprinklers, para 2.2.12, Delete last two sentences "Main drain shall also serve as the backflow preventer test connection. Site main drain pipe and valve to support flow at system demand."

24. Section 15751N Outside Air Unit, para 2.1.2.1, Heat Pipe, Delete second to last sentence "Heat recovery regulation shall be provided by system face and bypass dampers and related control system as indicated."
25. Section 15910, Direct Digital Control Systems: Delete paragraphs 1.3.18 SiteNet and 2.1.15 Site Building Controller (SBC). Add the following paragraphs.

### **Connection to Base Wide EMCS**

The control system specified must interface to and shall be completely incorporated into the Camp Lejeune base wide Energy Management and Control System (EMCS) located in Bldg 24 by the contractor. The contractor is responsible for all work inside the project building. Camp Lejeune will make all modifications to the EMCS servers. All points listed on the Mechanical Drawings, such as; AI, BI, AO, BO, setpoint adjustments, alarms, equipment start/stop schedules and load management shedding objects for mechanical equipment shall communicate via BACNet protocol and be displayed and managed by the Camp Lejeune EMCS server. The Camp Lejeune EMCS system utilizes the Johnson Controls, Inc. Metasys Extended Architecture ADX platform. The contractor shall be responsible for maintaining consistency on object identifier names, descriptions, and graphical presentation of the data.

The contractor shall work with the base energy manager to define the load groups to be incorporated into the EMCS load management program. At a minimum all major mechanical systems shall be incorporated into the load reduction program such as chillers, electric boilers, and air handling unit's. The load reduction program incorporates the base wide demand limiting / load rolling (DLLR) program. The DLLR program limits peak energy usage by monitoring real time energy consumption from six (6) electrical substations serving the base and shedding the appropriate electrical loads to meet target set points. Building DDC supervisory controllers must have the ability to send /receive/ program load shed object information to the EMCS utilizing BACnet/ IP protocol.

The EMCS system resides on a LAN managed by Camp Lejeune Marine Corps Base. This requires all I/P devices connected and utilizing this network to be certified by the Defense Information Systems Agency (DISA), in coordination with the National Security Agency (NSA) and the Services and Agencies throughout the Department of Defense (DoD). The standard process known as DoD Information Technology Security Certification and Accreditation Process (DITSCAP), integrates security directly into the system lifecycle and is applied uniformly across DoD. As part of the DITSCAP process vendors I/P devices must be listed on the EMCS System Security Authorization Agreement (SSAA). This is a living document that provides information related to the certification and accreditation (C&A) of a system in accordance with the DITSCAP. This SSAA is tailored to meet the requirements of the system under review. It also provides the Certification Authority (CA) and the Designated Approving Authority (DAA) or DAA at each echelon with a source document for information on the system. It is a user document to assist in establishing sound security policies and practices. Personnel responsible for the security of the system will be familiar with the contents of this document.

The SSAA must be completed prior to final acceptance of the HVAC controls construction under this section. It is the contractor's responsibility to ensure acceptable equipment is proposed and installed. Final approval of the proposed equipment will not be given until the SSAA is complete and Approval to Operate (ATO) is granted from Marine Corps Base Camp Lejeune DAA. To avoid construction delays early submission is advised as the approval process can be lengthy.