

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE	PAGE 1 OF 9 PAGES
2. AMENDMENT/MODIFICATION NO. AMENDMENT NO. 0002		3. EFFECTIVE DATE 01/30/08	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable) 00-4789	
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. N40085-00-R-4789
				x	9B. DATED (SEE ITEM 11) 12/31/07
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.)

00-4789, Major Interior/Exterior Repairs, Building 407

1. The time and date for receipt of proposals is changed to not later than (NLT) 1400, Friday, 01 February 2008.
2. The Contract Completion Date (CCD) is 420 days after award.
3. One person may fulfill the roles of Superintendent, SSHO and QC provided that person is qualified to perform those duties.

(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  (Signature of person authorized to sign)		16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	
15C. DATE SIGNED		16C. DATE SIGNED	

CONTINUATION SHEET

4. Incorporate NAVFAC Drawing No. 4559287A and NAVFAC Drawing No. 4559287B into the project. Change all drawing references of Amendment 1 to Amendment 2.
5. Incorporate the following sketches into the project/contract:
  - Trailer 1
  - Trailer 2 S2
  - Trailer 3 S1 Shops
  - Trailer 4 BAS
  - Trailer 5 HQSVC Co.
  - Trailer 6 Echo Co.
  - Trailer 7 Fox Co.
  - Trailer 8 Golf Co.
  - Trailer 9 WPNS Co.
  - Trailer 10 S3/S4
6. Incorporate the Statement of Work for Relocatable Facilities into the project/contract.
7. Incorporate Specification Section 22 00 00-Plumbing, General Purpose, into the project/contract.
8. NAVFAC dwg 4559290, A103: Add General Construction Note 5, "Provide fire extinguishers and semi recess cabinets in the corridors and main rooms, in the wall common with rooms; 104, 119, 125, 130, 139, 147, & 154."
9. NAVFAC dwg 4559291, A104: Add General Construction Note 5, "Provide fire extinguishers and semi recess cabinets in the corridors and main rooms, in the wall common with rooms; 202, 210, 213, 223, 233, 236, & 246."
10. NAVFAC dwg 4559298, A301. Add "General Note: The HVAC system utilizes the above ceiling space as a return air plenum. The plenum area shall be separated from wall cavities. Gypsum wall board and other wall finishes shall be extended to the underside of the 2<sup>nd</sup> floor deck.
11. NAVFAC dwg 4559309, FP4, Detail 7 Sprinkler System Detail: Change the entrance of the 6" by routing the fire service water line into crawl space and then up thru floor, in lieu of rising on the outside of the building as shown. Provide a backflow preventor test header as described in specification section 21 13 00.00 20 2.2.10.2.
12. NAVFAC dwg 4559317, M8, Enlarged Pumphouse Plan: relocate the expansion tanks into the corner to allow more access room to the pump motor starters. Show the hot water recirc line as ¾" and connect to cold water inlet of PKGDHX-2.

13. NAVFAC dwg 4559317, M8, Enlarged Pumphouse Plan: Provide for expansion in existing underground steam and condensate lines where making the new connection with riser into pump house.
14. NAVFAC dwg 4559318, M9, Steam Pressure Reducing Station (PRV) Detail 1: change steam entrance to underground. Delete F&T steam trap station on horizontal feed to each Pressure Reducing Valve. Provide drip "Tee" at turn up in steam line. Pipe drip line to above floor and provide steam trap station.
15. NAVFAC dwg 4559318, M9, PKGDHX-1 (Heating Hot Water) Schematic, Detail 5 and PKGDHX-2 (Domestic Hot Water) Schematic, Detail 6: Delete the pressure relief valve on the 25 PSI service upstream of the control valve. Change the discharge location of the 25psi steam feed drip trap station from the LPR to the receiver on the inlet of the pressure powered pump. Add a direct acting pressure reducing valve on the Motive Steam, set at 60psig. On PKGDHX-2 relocate the pump shown from between the 2" hot and 2" cold water lines to the ¾" HW Recirc.
16. NAVFAC dwg 4559318, M9, PKGDHX-2 (Domestic Hot Water) Schematic, Detail 6: Add bladder type expansion tank suitable for domestic water with a 10 gallon acceptance volume to schematic. Connect ¾" equalizing line into cold water line between inlet check valve and HW recirc line.
17. NAVFAC dwg 4559320, M11: Add General Note: Provide 1" conduit from the DDC Supervisory Controller to the telephone backboard.
18. NAVFAC dwg 4559322, M13, Pump Schedule: Change all pumps from end suction base mounted to direct coupled inline pumps.
19. NAVFAC dwg 4559322, M13, Air Handling Unit Schedule: Add note 12. Provide secondary drain pan under all air handlers.
20. NAVFAC dwg 4559327, P4, Second Floor Plumbing Supply New Work Plan: Change P10 from a double bowl water fountain to a single water fountain (2<sup>nd</sup> floor only).
21. NAVFAC dwg 4559327, P4, Second Floor Plumbing Supply New Work Plan, and NAVFAC dwg 4559330, P7, Plumbing Supply Riser Diagram: Change the cold water line to room 204 from ½" to 1-1/4".
22. NAVFAC dwg 4559327, P4, Second Floor Plumbing Supply New Work Plan, and NAVFAC dwg 4559330, P7, Plumbing Supply Riser Diagram: Change the cold water line to the second floor from 1½" to 2".

23. NAVFAC dwg 4559326, P3, First Floor Plumbing Supply New Work Plan, NAVFAC dwg 4559327, P4, Second Floor Plumbing Supply New Work Plan, and NAVFAC dwg 4559330, P7, Plumbing Supply Riser Diagram: Add water hammer arrestors at the following locations:
  - Room 104 size A to cold and hot water,
  - Room 113 size A to hot water,
  - Room 204 size C to cold water, size A to hot water
  - Room 250 size A to cold and hot water
  
24. NAVFAC dwg 4559328, P5, First Floor Plumbing DWV New Work Plan, NAVFAC dwg 4559329, P6, Second Floor Plumbing DWV New Work Plan, and NAVFAC dwg 4559331, P8, Plumbing DWV Riser Diagram: Show horizontal drain in Room 250 serving the showers to be 3" and the vertical drain to be 3" in lieu of 4". Show horizontal drain in Room 248 serving the lavatories to be 2" and the vertical drain to be 2" in lieu of 4". Show the horizontal drain in Room 248 serving the urinals to be 3" and the vertical drain to be 3" in lieu of 4".
  
25. NAVFAC dwg 4559328, P5, First Floor Plumbing DWV New Work Plan, and NAVFAC dwg 4559331, P8, Plumbing DWV Riser Diagram: Change the new main drain from 6" to 4"; connect to the existing 6" sewer. In Room 116, individually vent floor drain in north east wall. In Room 113, tie water closet drain and lavatory drain together before connecting to the branch drain.
  
26. Specification Section 02 82 16 Removal and Disposal of Asbestos Materials, paragraph 1.4.1 Description of Work: Delete the last sentence. Insert the following sentence "The asbestos work includes removal of all asbestos containing material from building 407. Before final completion of the asbestos removal the Supervising Air Monitor shall make a total building visual inspection for any asbestos. The Supervising Air Monitor shall make a written statement that the building is free of asbestos."
  
27. Specification Section 10 52 20: Delete paragraph 2.1 Dry Chemical Fire Extinguishers. Insert the following paragraph "2.1 Dry Chemical Fire Extinguishers. Provide stored pressure multi-purpose dry chemical fire extinguishers, equipped with integral pressure indicating gage, 5 pound nominal charge weight having minimum fire test rating of 3A, 40B, C."
  
28. Specification Section 10 52 20: Delete paragraph 2.2 Fire Extinguisher Mounting Brackets. Insert the following paragraph "2.2 Fire Extinguisher Cabinets. Provide semi-recessed, non-locking cabinets designed to accommodate the provided fire extinguishers."
  
29. Specification Section 21 13 00.00 20 Wet Pipe Sprinkler System, paragraph 1.4.9: Add to end of this paragraph "In addition to reproducible mylar as-builts, submit as built in AutoCad 2000 format on CD."

30. Specification Section 21 13 00.00 20 Wet Pipe Sprinkler System, paragraph 2.2.1: Change second sentence to read “Steel piping shall be Schedule 40 for 2” and smaller pipe, and schedule 10 or 40 for sizes larger than 2”.
31. Specification Section 21 13 00.00 20 Wet Pipe Sprinkler System, paragraph 2.2.2: Delete last two sentences. Add “Provide two piece escutcheon ceiling plates in suspended acoustical ceilings.”
32. Specification Section 21 13 00.00 20 Wet Pipe Sprinkler System, paragraph 2.2.8: Change first sentence to read “Provide double check valve backflow preventer assembly with OS&Y gate valve on both ends.”
33. Specification Section 21 13 16.00 20 Dry Pipe Fire Sprinkler System, paragraph 1.3: In first sentence delete “pipe schedule or”.
34. Specification Section 21 13 16.00, Dry Pipe Fire Sprinkler System, paragraph 1.3.4, Sprinkler Design Area: Change to read “Area shall be the hydraulically most remote 3900 sq ft area as defined in NFPA13. When specially listed Attic sprinklers are used, they may be installed in accordance with their listing.”
35. Specification Section 21 13 16.00, Dry-Pipe Fire Sprinkler System, paragraph 2.1.1 Sprinkler Piping: Delete 2<sup>nd</sup> sentence. Insert “All piping shall be schedule 40 galvanized steel. Groove end connections must be cut not rolled.
36. Specification Section 22 00 00 Plumbing, General Purpose. Delete entire section. Insert new 22 00 00X.
37. Specification Section 23 07 00 Insulation of Mechanical Systems, Table I-Piping Insulation Wall Thickness: Delete Flexible unicellular from the table.
38. Specification Section 23 05 92 Testing/Adjusting/Balancing: Small Heating/Ventilation/Cooling Systems: Delete entire section 23 05 92.

39. Specification Section 23 09 54 Direct Digital Control Systems paragraph 1.3.19: Delete this paragraph and substitute the following.

**“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 units. 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.

40. Specification Section 23 09 54 Direct Digital Control Systems paragraph 2.1.15 Site Building Controller (SBC): Delete this paragraph
41. Specification Section 23 21 13.00 20 Low Temperature Water LTW Heating System: Delete this specification Section in its entirety.
42. Specification Section 23 22 00.00 40 Steam and Condensate Piping and Pumps: Delete this specification Section in its entirety.
43. Specification Section 23 73 33 Heating Ventilating, and Cooling Systems, paragraph 2.4.5 Steel Piping Systems: Delete "Provide steel piping for the following piping systems. A. Steam and Condensate piping."
44. Specification Section 23 64 26 Chilled, Chilled/Hot and Condenser Water Piping Systems: Delete this specification section in its entirety.
45. Specification 23 73 33 paragraph 2.1.1- Air Handling Units: delete subparagraph e "Special corrosion protection"  
Specification 23 73 33 paragraph 2.1.2 Air Cooled Water Chillers: delete subparagraph c "Special corrosion protection" Insert new subparagraph "c Provide aluminum fins on copper tubes with coating that passes the ASTM B117-90 3000 hour salt spray resistance test."
46. At each telephone box provide 4x4 to 2 x4 plaster ring, and quad rj45 outlet cover. In telephone rooms provide patch panels in floor mounted racks. Provide cat 5e plenum rated cable from each rj45 jack to patch panel. Test and label all cat 5e cables, patch panels, and outlet covers. Provide drawings of wiring and equipment submittals to base telephone for approval.
47. All steel shall be hot dip galvanized after fabrication. This includes stair and handrails.

48. P7 Plumbing Riser diagram. Increase size of hot water recirculation line to 1" Extend recirculation system to the end of each hot water branch. Provide balancing valve for each branch. Size branch recirculating piping one pipe size smaller than branch hot water pipe size. M9, Detail 9/ m8/m9 Delete recirculation pump shown. Provide an inline pump in the hot water recirculation line to flow 12 gpm @ 40' head.
49. M9, Detail 1/m8/m9 PRV station change to a 1/3- 2/3 set up and size piping to heat exchanger 1&2 accordingly. Delete trap station before each PRV.
50. M10, Delete spin in duct take offs, delete scoops , flex duct will only be allowed for straight runs, max length 6 ft., for change of direction use hard pipe fittings. Delete bell mouth take offs. Add note to M5 and M6. 'All branch take offs shall be 45 degree take offs with volume damper.'
51. Provide trap primers for all floor drains except shower drains.
52. M7 Mechanical Rooms 116 and 210 move plan north wall of rooms 3' North. In all mechanical rooms for all AHU delete 8 x 32 elbows. Slide AHU's away from exterior wall as required to make room for return air mixing box. Provide duct matching size of AHU discharge and 12" radius elbows from AHU discharge up to 8 x32 duct shown on plans.
53. Add General Note: There are existing beams running above first floor columns. Contractor shall include any work required to offset duct, conduit, and piping as required to avoid the beams.
54. Add General Note: There are steel headers above the first floor ceilings at each end of the main corridor. Cut existing headers as required for duct. Provide headers and supports. Provide engineered drawings for this work.
55. P1 Cut and cap existing 4" water service at water main.
56. G-2, Wall Type M Change furring channel to 2" thick.
57. Provide 50 window balancers, locks and tilt devises. Demolish and provide 30 brick lintels over windows.
58. All gypsum board shall be 5/8" type X.
59. Remove all loose material and debris in crawlspace, attic, inside stud cavities, and inside ceiling joist cavities as asbestos.

60. Existing Ferrous surfaces to receive paint. Strip the entire surface to bare metal. Grind, blast, or sand to white metal visual appearance. Feathering of existing coatings is not acceptable.
61. All new steel shall be hot dipped galvanized after fabrication.
62. Provide blind corner returns on all window stools and aprons.
63. FP-2,. Provide a post indicator valve outside of building on fire service. Provide 2" tap on the water main side of the PIV, 2" isolation valve, and 2" water line to building.
64. Provide NEMA 3r enclosures for all panels in new mechanical building due to high moisture from steam system.
65. Provide weather proof receptacles and cover in new mechanical building.
66. Provide rigid conduit in new mechanical buildings.
67. E-12, Ground MDP to cold water domestic piping..
68. Provide weather resistant lighting in the Mechanical building.
69. A301 Details 4 and 5 Delete from note 'Entire Perimeter of Building'.
70. Remove existing and provide new white factory finished triangular roof louvers.
71. Add general note: Remove existing roof shingles and provide new shingles for entire building. Remove 1000SF of existing 3/4" wood roof sheathing in areas as directed by the contracting officer. Provide 1000 SF of new 3/4" wood sheathing.
72. Add to end of note 3 on Drawing A103 'Drill existing slabs and foundation walls as required to treat the entire building for subterranean termites.
73. Galvanized steel flashing is acceptable.
74. The Government will remove furniture from the building.
75. Provide chiller with R410a refrigerant.