

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE 1 OF 2 PAGES
2. AMENDMENT/MODIFICATION NO. AMENDMENT NO. 0002		3. EFFECTIVE DATE 8-24-10	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable) 09-0151	
6. ISSUED BY CODE		ltc	7. ADMINISTERED BY (If other than Item 6) CODE		See Item 6
Officer in Charge of Construction MCI-East 1005 Michael Road Camp Lejeune, NC 28547-2521					
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(X)	9A. AMENDMENT OF SOLICITATION NO. N40085-09-R-0151
				X	9B. DATED (SEE ITEM 11) 08-16-10
					10A. MODIFICATION OF CONTRACT/ORDER NO.
					10B. DATED (SEE ITEM 11)
CODE	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 0 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.)

09-0151, Repair HVAC System, Bldg 84

SEE CONTINUATION SHEET

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

CONTINUATION SHEET

Question: Drawing E5.02 shows a new 250 amp 3 pole circuit breaker to be installed in panel F to feed AHU-11. According to Drawing E1.05 AHU-11 to be fed with three 2/0's and a #4 ground in a 2" conduit, which is only good for 175 amps. Is the 250 amp breaker requirement correct?

Answer: A 250 amp circuit breaker is correct and was sized at 250%.

Please see the following:

AHU-11 is specified with a 40 HP motor, 208 volts, 3 phase.

40 HP at 208V, 3 phase is rated for 114.4 Amps

Wire size required is calculated at 114.4 Amps times 125% factor which equals 143 amp wire size required.

Number 1/0 wire is rated for 150 amps and would be adequate for this installation. However, since the equipment is installed outdoors, we compensated for excessive heat by increasing the wire size by increasing it one size to # 2/0 which is rated for 175 amps, more than adequate.

Per National Electrical Code, motor overload protection shall be a minimum of 125% of the full load amps and a maximum of 250%. 114.4 full load motor amps at 200% equals a circuit breaker sized at 228.8 amps.

The minimum, size circuit breaker we would recommend is 225 amps.