

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE J	PAGE OF PAGES 1 2
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2. AMENDMENT/MODIFICATION NO. 0007	3. EFFECTIVE DATE 28 August 2002	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
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6. ISSUED BY U.S. ARMY ENGINEER DISTRICT, ALBUQUERQUE CORPS OF ENGINEERS 4101 JEFFERSON PLAZA, N.E. ALBUQUERQUE, NEW MEXICO 87109-3435	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)	<input checked="" type="checkbox"/>	9A. AMENDMENT OF SOLICITATION NO. DACW47-02-R-0006
	<input checked="" type="checkbox"/>	9B. DATED (SEE ITEM 11) 21 March 2002
		10A. MODIFICATION OF CONTRACTS/ORDER NO.
		10B. DATED (SEE ITEM 13)
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 _____ 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 you 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 APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

<input checked="" type="checkbox"/>	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.)

PROJECT: DESIGN/BUILD, WINGATE ELEMENTARY REPLACEMENT SCHOOL, FT. WINGATE, NEW MEXICO

1. This is Amendment No. 7 to Solicitation No. DACW47-02-R-0006, 21 March 2002. The following revisions shall be incorporated into the specifications. All other provisions shall remain unchanged.

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 BY _____	16C. DATE SIGNED
_____ (Signature of person authorized to sign)		_____ (Signature of Contracting Officer)	

2. SPECIFICATIONS: Delete the following listed pages and substitute the pages attached hereto. On the revised pages, for convenience, changes are emphasized by the amendment number in parentheses before and after changes from the previous issue. All portions of the revised (or new) pages shall apply whether or not changes have been indicated.

<u>Delete Page</u>	<u>Insert Page</u>
<u>Volume 1 of 3</u>	
01010-89	01010-89

/////////LAST ITEM/////////

7.3.17 **Diffusers, Grilles and Registers.** Air distribution devices shall be factory-fabricated of steel, corrosion-resistant steel, or aluminum and shall distribute the specified quantity of air evenly over space intended without causing noticeable drafts, air movement faster than 0.25 m/s (50 fpm) in comfort zones, or dead spots anywhere in the conditioned area. Inlets and outlets shall be sound rated and certified according to ASHRAE 70.

7.3.18 **Insulation.** All piping, ductwork, air handlers, pumps, and other applicable HVAC equipment shall be insulated in accordance with UFGS 15080A - THERMAL INSULATION FOR MECHANICAL SYSTEMS.

7.3.19 **Access Panels.** Access panels/doors shall be provided and sized as required for valves and appurtenances of the HVAC system in accordance with UFGS 15895A - AIR SUPPLY, DISTRIBUTION, VENTILATION, AND EXHAUST SYSTEM. Coordinate with the Architectural discipline to ensure that UFGS 05500A - MISCELLANEOUS METAL includes provisions for access panels/doors.

7.3.20 **Vibration and Noise Isolation.** All piping, ductwork, air handlers, unit heaters and equipment shall be properly isolated to prevent vibration and subsequent noise limited to 10% transmission of the lowest equipment RPM.

7.3.21 **Seismic Design Requirements.** Protective measures for mechanical equipment shall be in accordance with UFGS 15070A - SEISMIC PROTECTION FOR MECHANICAL EQUIPMENT.

7.4 **Heating, Ventilating, and Air Conditioning Control System.**

7.4.1 **Control System.** The Contractor shall be responsible for correct operation of the control system including, but not limited to, software, control relays, sensors, and control wiring. The Contractor shall provide a 40 hour training course in accordance with UFGS 15951A - DIRECT DIGITAL CONTROL FOR HVAC.

7.4.1.1 **Temperature Controls.** Temperature controls shall be direct digital control and be designed per industry standards and in accordance with UFGS 15951A - DIRECT DIGITAL CONTROL HVAC.

7.4.1.2 **Direct Digital Controls.** Control drawings shall include schematics, ladder diagrams and sequence of operation for all HVAC equipment. The DDC system shall include all application software and equipment to implement the control strategies that are contained in UFGS 15951A - DIRECT DIGITAL CONTROL FOR HVAC. The control system shall be a totally native BACnet-based system, including a Microsoft Windows 2000 operator's terminal, based on a distributed logic control system. The operator's terminal, all global controllers, logic controllers, and all input/output devices shall communicate using the protocols and local area network (LAN) standards as defined by ANSI/ASHRAE™ Standard 135-1995, BACnet. All workstations and building controllers, shall be native BACnet devices. (7)

No gateways shall be used for communication to controllers installed under this section. Gateways may be used for communication to the fire alarm system, access control system, and intrusion detection system. The control system shall be Internet accessible through the school LAN system. The