

N40085-07-R-7019
NAVFAC
SPECIFICATION
NO. 539959
AMENDMENT NO. 0009

IMPORTANT

This amendment should be acknowledged when your bid is submitted. Failure to acknowledge the amendment may constitute grounds for rejection of the bid. If your bid has been submitted prior to the receipt of this amendment, acknowledgment should be made by telegram, which should state whether the price contained in your sealed bid is to remain unchanged, is to be decreased by an amount, or is to be increased by amount. The acknowledgment must be received prior to bid opening time.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 0009	3. EFFECTIVE DATE 04/24/07	4. REQUISITION/PURCHASE REQ. ---	PROJECT NO. (If applicable)
6. ISSUED BY Code AQ COMMANDER NAVAL FACILITIES ENGINEERING COMMAND, MID-ATLANTIC 9742 MARYLAND AVENUE NORFOLK, VA 23511-3095		7. ADMINISTERED BY (If other than item 6.) Code	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		<input checked="" type="checkbox"/>	9A. AMENDMENT OF SOLICITATION NO. N40085-07-R-7019
		<input type="checkbox"/>	9B. DATED (SEE ITEM 11) 07 MAR 2007
		<input type="checkbox"/>	10A. MODIFICATION OF CONTRACT/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 1 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.

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 ADMINISTRATION 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.)

MULTIPLE AWARD CONTRACT (MAC) FOR CONSTRUCTION, RENOVATION, ALTERATION AND REPAIR PROJECTS FOR FACILITIES IN HAMPTON ROADS AREA, VA

NAVFAC SPECIFICATION 539959, DESIGN/BUILD, P-235V ADMINISTRATIVE FACILITY FOR THE NAVAL WARFARE DEVELOPMENT COMMAND, NORFOLK NAVAL STATION, NORFOLK, VIRGINIA

THE DUE DATE FOR SUBMITTAL OF PROPOSALS IS EXTENDED AS FOLLOWS:

FROM: 27 APRIL 2007 – 2:00 P.M.
TO: 1 MAY 2007 – 2:00 P.M.

SEE CONTINUATION SHEETS

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)	

Under Amendment 0008, On the Standard Form (SF 30), Block 2, entitled "Amendment/Modification No" is revised to read as follows:

From: 0007

TO: 0008

DIVISION 01 GENERAL REQUIREMENTS

SECTION 01 45 10.05 20 DESIGN AND CONSTRUCTION QUALITY CONTROL

1.5 QC ORGANIZATION

1.5.3 Commissioning Agent (CA)

1.5.3.1 Duties: REVISE the second sentence of this paragraph to read as follows:

"The CA shall be hired and employed by the Design-Build Contractor, shall report directly to the Contracting Officer, and shall remain on the Design-Build Contractor's QC staff until completion of the project."

SECTION 6, ENGINEERING SYSTEM REQUIREMENTS

B10, SUPERSTRUCTURE

ANTITERRORISM: ADD the following at the end of this paragraph:

"Level of Protection (LOP) is defined under UFC 4-020-01, *Security Engineering Facility Planning Manual*. This document is no longer available from public domains. Base design on LOW Level of Protection (LLOP) in complying with UFC 4-023-03, *Design of Buildings to Resist Progressive Collapse*."

NOTE: This revises previous instruction contained in Amendment 0003.

B20, EXTERIOR ENCLOSURE

GENERAL SYSTEM REQUIREMENTS

B2010 EXTERIOR WALLS

B2010 – 1.1 Administration Facility: REVISE the second sentence of the first paragraph under this heading to read as follows:

"Brick masonry color, texture, mortar and details shall be consistent with nearby Buildings and as described under the Project Program, Section 4.3, 'Exterior Character.'"

B2020 EXTERIOR WINDOWS

At the end of the paragraph under this heading, ADD the following:

"Provide aluminum framing at all windows, storefronts and curtainwalls of a dark brown or bronze color. Glass shall be bronze or gray tinted."

B202004 EXTERIOR GLAZING

Following the paragraph under this heading, INSERT the following:

“Provide vision glass units meeting the following minimum performance criteria:

Maximum Winter U-value		Maximum Summer U-value		% Transmittance			Maximum % Reflectance			Maximum Shading Coefficient
Air	Argon	Air	Argon	Min. Visible	Max. Solar	Max. UV	Visible out	Visible in	Solar	
0.29	0.24	0.28	0.22	38	18	16	13	11	27	0.27

Separate U-values listed shall depending on whether air space is argon gas-filled or conventional. The Contractor may use the higher U-value with conventional airspace subject to meeting ASHRAE standards and LEED Sustainability goals for exterior envelope efficiency. Provide high performance reflective coating on #2 surface of insulating glass units (inboard surface of outboard lite) and, if required to meet the performance requirements listed above, a low emissivity coating on the #3 surface (inboard surface of inboard lite). Meeting these minimum performance values shall not be construed to waive higher performance if required for USGBC LEED Certification.”

D30 HVAC

D30 1.0 GENERAL

DELETE the fourth paragraph under this heading in its entirety and SUBSTITUTE the following in lieu thereof:

“Provide air-cooled chillers with copper tube, copper fins and low noise condensers fans. Under the BASE BID, each chiller shall have a cooling capacity equivalent to 67% of the total building cooling load, for a combined full capacity of 125% of the total building cooling load. Under DEDUCTIVE BID ITEM 0004 (Option Item No. 3), provide two chillers having a combined cooling capacity equivalent to 100% of the total building cooling load. For the Deductive Bid Item on the Price Proposal Form, Bidders shall insert the cost difference (delta) between two chillers at 125% combined total capacity and two chillers at 100% combined total capacity.”

D3050 CONTROLS AND INSTRUMENTATION

D305001 HVAC CONTROLS

D305001 1.1 – DIRECT DIGITAL CONTROLS (DDC): DELETE this section in its entirety and SUBSTITUTE the following in lieu thereof:

“Provide a complete Direct Digital Control (DDC) system for the facility’s HVAC systems in accordance with UFGS 23.09.23.13.20 BACnet DDC specification.

Contact BAS owner – NAVFAC MIDLANT Norfolk Naval Station Utilities & Energy Code BMPW-61 DDC Group; telephone (757) 445-2381; Keith Powell (cell #650-4151) or Bill Jennings (cell #650-4152) for clarification and access to Bldg. A-81 DDC office, Room 130.

All DDC controllers, servers, workstations, and interface devices provided shall comply with and communicate using the ASHRAE Standard 135-2004, BACnet Protocol for Building Automation and Control Networks. The DDC system shall use BACnet objects and properties for all physical inputs and outputs, and BACnet read and write services for all network communications and device-to-device algorithms. Coordinate the BACnet network and device addressing with the Government BAS owner to ensure unique addresses. Provide BACnet Product Information Conformance Statements (PICS) for each DDC controller and BACnet device.

Provide notebook computer with complete application software, license and tools to fully commission the DDC system. Desktop workstation not required.

In accordance with UFGS 23.09.23.13.20 BACnet DDC specification, integrate DDC system via DSL communications to the BACnet Johnson Controls ADX server located in Bldg A-81 DDC Office, Room 130. The ADX server will have all graphic floor plans, equipment graphics, DDC ladder diagrams, and complete sequence of operations pages and will provide all alarming, trend services, and schedules. Access and use of the ADX server and application software is available via the BAS system owner. BACnet/IP to MSTP communications at the building site may require additional field investigation depending on manufacturer's capability and can be coordinated with the BAS owner.

DDC commissioning will be performed in the field and also via the ADX server located in A-81. Trending and alarming to be recorded at the ADX server located in Building A-81 during performance verification.

Provide DSL modem at the site for communication between the ADX server located in Bldg A-81 and the building DDC system.

Provide the DDC programming and graphics using Standard English units of measure, not metric.

The control system shall be completely electric/electronic, no pneumatics.

Design control drawings shall include the following:

1. Detailed control system scope-of-work and installation notes describing the various components that will be provided (controllers, sensors, valves, dampers, etc.).
2. A diagram of the control system communication architecture, including network and device addressing.
3. Control valve and control damper schedules, including actuators and linkages.
4. DDC point schedule including point description, point type (BI, BO, AI, or AO), alarm requirements, trend requirements, and additional information such as type of sensor, location, etc.
5. A detailed control diagram for each piece of HVAC equipment receiving DDC. Diagrams shall show all related control components in their respective locations, valve and damper normal positions, fluid flow directions, and point types (BI, BO, AI, or AO).
6. A detailed written sequence of operation for each piece of HVAC equipment. Fully describe every operating routine (occupied operation, night setbacks, optimal start, etc.).

Show floor plans in the DDC graphics to scale. Where feasible, use the project's AutoCAD design drawings, purged of extraneous detail.

Each piece of HVAC equipment shall be controlled by the DDC. Do not provide hard-wire interlocks between fans or pumps, provide software interlocks instead. However, freeze protection thermostats, duct smoke detectors, and other safety type devices shall be hard-wire interlocked with their associated piece of HVAC equipment.

Provide each piece of HVAC equipment with a hand-off-auto switch. The hand position shall energize the equipment directly under all conditions except activation of a freeze protection thermostat, duct smoke detector, or other safety type device. Ensure safety conditions also de-energize equipment in the auto position.

Always, provide air handlers and terminal units with discharge/supply air temperature sensors.

Operate the building circulating pumps serving hot and chilled water loops whenever the outdoor air temperature is below 35 deg. F.

Provide control routines to automatically start back-up pumps (or other HVAC equipment) if the primary device fails.

Rotate primary and back-up HVAC equipment quarterly with a lead/lag control routine.

Start/stop pumps via the DDC, not the chiller controller.

Provide reset routines (based on outdoor air temperature or zone demand) for hot and chilled water loop temperature setpoints.

Provide meters monitored by the DDC on the building's incoming steam, water, and electric utilities. Set up trend reports to record data daily and store values in the front-end DDC computer.

Provide flow rate meters monitored by the DDC for central hot and chilled water flows and central air handling unit air flows.

When not used for direct control, provide wall-mounted carbon dioxide and relative humidity sensors in strategic occupied spaces for monitoring purposes.

Provide hot water and chilled water valve actuators that fail open to the coil via a spring return. Provide each actuator with a self-locking male/female quick-connect type plug in the wiring serving each valve operator, for emergency use, to allow manually disconnecting power to the device, sending it to its fail position (without disrupting any other unit control). Locate each plug exposed in plain view.

Provide chilled water control valve actuators and linkages that can be easily and fully insulated and vapor sealed at the valve connection.

Provide at least one registered copy (on mfr's original CD) of the control system software. If a hardware key is required, provide the manufacturer's largest capacity "master" key, allowing full access to the maximum number of controllers. Provide a minimum of six additional "technician level" hardware keys for distribution among the naval base mechanics and their laptop computers. If the control manufacturer uses software keys or registered "seats" instead of hardware keys, provide a minimum of six registered software seats, in lieu of keys. Regardless of the control manufacturer and its software license protection method, the Government shall receive the manufacturer's complete software, at least one full-access capability, and at least six limited-access capabilities.

For the DDC system provided under this contract, include at no additional cost to the Government, all firmware and system software upgrades (including patches and updates) as they become commercially available for a minimum of two years starting from contract acceptance. In the submitted control system O&M manuals, provide an itemized list of the firmware and system software. Include original release dates, version numbers, part numbers and serial numbers, and beginning and ending warranty dates. Provide a statement that firmware and system software upgrades shall be provided without cost during the two-year period.

A written statement entitled "Technical Support" stating the control system manufacturer or authorized representative will provide toll-free telephone technical support at no additional cost to the Government for a minimum of two years from project acceptance, will be furnished by experienced service technicians, and will be available during normal weekday working hours. Include the toll-free technical support telephone number.

The point-of contact for existing DDC systems at the naval base is: NAVFAC MIDLANT Norfolk Naval Station Utilities & Energy Code 642 DDC Group; telephone (757) 445-2381; Keith Powell (cell # 650-4151) or Bill Jennings (cell # 650-4152)."

D50 ELECTRICAL

D5030 COMMUNICATIONS AND SECURITY

D503001 TELECOMMUNICATIONS SYSTEMS

At the end of Sub-Paragraph entitled "PBX" (added under Amendment 0003) ADD the following text:

"In bidding this system, include work for all components except those listed below under the BASE BID. Include work related to providing the components listed below as collateral equipment, and procure/install this equipment under Bid Item 0005 (Option No. 4):

- a. Digital/analog handsets
- b. Console station unit
- c. Cables connecting the handsets and console unit to wall or floorbox interface devices"

The following inquires are incorporated by this Amendment:

1. Paragraph 1.1c (1) of Section 01 14 00. 05 20, Work Restrictions for Design Build states that the Concept Design Workshop will take place in Newport Rhode Island. Is this location correct? Please confirm.

Response:

Yes, Concept Design Workshop will be in Newport, RI

-End Amendment-