

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. Contract Number	Page of Pages 1 1	
2. Amendment/Modification Number DCAM-2011-B-0122-001		3. Effective Date 9-Mar-11	4. Requisition/Purchase Request No.	5. Solicitation Caption Build –Out of Office Space for Office of the Chief Financial Officer at 4th Floor of One Judiciary Square	
6. Issued By: Department of Real Estate Services Contracting and Procurement Division 2000 14th Street N.W., Suite 500 Washington, D.C. 20009		Code 03B	7. Administered By (If other than line 6) Department of Real Estate Services Contracting and Procurement Division 2000 14th Street N.W., Suite 500 Washington, D.C. 20009		
8. Name and Address of Contractor (No. Street, city, country, state and ZIP Code)			<input checked="" type="checkbox"/> 9A. Amendment of Solicitation No. DCAM-2011-B-0122	9B. Dated (See Item 11) 28-Feb-11	
Code _____ Facility _____				10A. Modification of Contract/Order No.	
				10B. Dated (See Item 13)	
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input checked="" type="checkbox"/> 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 <u>1</u> copy of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or fax which includes a reference to the solicitation and amendment number. FAILURE OF YOUR ACKNOWLEDGEMENT 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 letter or fax, provided each letter or telegram 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.				
<input type="checkbox"/> B. The above numbered contract/order is modified to reflect the administrative changes (such as changes in paying office, appropriation data, etc.) set forth in item 14, pursuant to the authority of 27 DCMR, Chapter 36, Section 3601.2.					
<input type="checkbox"/> C. This supplemental agreement is entered into pursuant to authority of:					
<input type="checkbox"/> D. Other (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copy to the issuing office.					
14. Description of amendment/modification (Organized by UCF Section headings, including solicitation/contract subject matter where feasible.)					
1. Pre-Bid Conference Sign-In Sheets are attached.					
2. DRES Specifications for the Build – Out of Office Space for Office of the Chief Financial Officer is hereby amended as follows: See Attachment A for the AIR TERMINAL UNITS SECTION 233600 - 1.					
3. Attachment B: OJS Building Access and Loading Dock Procedures.					
4. All other terms and conditions remain the same.					
Except as provided herein, all terms and conditions of the document referenced in Item (9A or 10A) remain unchanged and in full force and effect					
15A. Name and Title of Signer (Type or print)			16A. Name of Contracting Officer Diane Wooden		
15B. Name of Contractor (Signature of person authorized to sign)		15C. Date Signed	16B. District of Columbia 	16C. Date Signed 3/9/2011 (Signature of Contracting Officer)	

Build -Out of Office Space for Office of the Chief Financial Officer at 4th Floor of One Judiciary Square
DCAM-2011-B-0122
Pre-Bid Conference
Sign-in Sheet

PLEASE PRINT CLEARLY

Name	Company	Phone #	E-Mail Address
Benny Shell Sr. Ronald Jean-Philippe	Shell Construction Cos. LLC	240-988-0071	bennie_shellsr@shellcz.com
Reginald Herndon	CAPITAL construction Group	202 526 3420	rherndon@ccg-wdc.com
JACOB ABRAHAM	ARJ Group Inc	202 544 0268	ajg@arjinc.com
CHARLES SMIPOLDO	DPES	202-409-1369	CHARLES.SMIPOLDO@dc.gov
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ELIE MOSSI	HARDIE INDUSTRIES	202 (82) 7554	EMOSS@HARDIEINDUSTRIES.COM
Gene Kilby	PKR Building Services	(202) 923-4864	gkilby@pkrsine.com
FRANK JENKINS	FEC OF DC	(301) 341-1000	fjenkins@cecinc.com
Astley Scott	FEC OF DC	301-341-1000 202-635-2689	astley@FECinc.com
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202.496.3479

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* Satish N	NIS Construction		NISCONS@Verizon.com
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Attachment A:

AIR TERMINAL UNITS SECTION 233600 - 1

SECTION 233600 - AIR TERMINAL UNITS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:

- 1. Shutoff, single-duct air terminal units where shown as new on the drawings.

1.3 SUBMITTALS

- A. Product Data: For each type of the following products, including rated capacities, furnished specialties, sound-power ratings, and accessories.

- 1. Air terminal units.
 - 2. Liners and adhesives.
 - 3. Sealants and gaskets.

- B. Documentation indicating that units comply with ASHRAE 62.1-2007, Section 5 - "Systems and Equipment."

- C. Shop Drawings: For air terminal units. Include plans, elevations, sections, details, and attachments to other work.

- 1. Detail equipment assemblies and indicate dimensions, weights, loads, required clearances, method of field assembly, components, and location and size of each field connection.
 - 2. Wiring Diagrams: For power, signal, and control wiring.
 - 3. Hangers and supports, including methods for duct and building attachment, and vibration isolation.

- D. Delegated-Design Submittal:

- 1. Materials, fabrication, assembly, and spacing of hangers and supports.

- E. Field quality-control reports.

- F. Operation and Maintenance Data: For air terminal units to include in emergency, operation, and maintenance manuals. In addition to items specified in Division 01 Section "Operation and Maintenance Data," include the following:

- 1. Instructions for resetting minimum and maximum air volumes.
 - 2. Instructions for adjusting software set points.

1.4 QUALITY ASSURANCE

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
- B. ASHRAE Compliance: Applicable requirements in ASHRAE 62.1-2007, Section 5 - "Systems and Equipment" and Section 7 - "Construction and System Start-Up."

PART 2 - PRODUCTS

2.1 SHUTOFF, SINGLE-DUCT AIR TERMINAL UNITS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Environmental Technologies, Inc.
 - 2. Anemostat.
 - 3. Nailor Industries Inc.
 - 4. Titus.
- B. Configuration: Provide factory-fabricated and tested pressure independent variable air volume boxes as indicated, selected with performance characteristics which match or exceed those indicated on schedule.
- C. Casing:
 - 1. Minimum 22 gauge galvanized steel.
 - 2. Leakage: Construct casings such that when subjected to 1.5-in w.g. pressure for low pressure units, and 3.0-in w.g. pressure for high pressure units, total leakage does not exceed 1% of specified air flow capacity with outlets sealed and inlets wide open. Construct air dampers such that when subjected to 3.0-in w.g. inlet pressure with damper closed, total leakage does not exceed 1% of specified air flow capacity.
 - 3. Access: Provide airtight, gasketed, quick release access door or removable panels with quarter turn latches in casings to permit removal of the air flow sensor, and access to air dampers and other parts requiring service, adjusting, or maintenance.
 - 4. Casing Lining: Mechanically attached, minimum 1/2-inch- thick, coated, fibrous-glass duct liner complying with ASTM C 1071, and having a maximum flame-spread index of 25 and a maximum smoke-developed index of 50, for both insulation and adhesive, when tested according to ASTM E 84.
 - a. Cover liner with nonporous foil.
 - 5. Air Inlet: Round stub connection or S-slip and drive connections for duct attachment.
 - 6. Air Outlet: S-slip and drive connections, size matching inlet size.
 - 7. Access: Removable panels for access to parts requiring service, adjustment, or maintenance; with airtight gasket.
 - 8. Airstream Surfaces: Surfaces in contact with the airstream shall comply with requirements in ASHRAE 62.1-2007.
- D. Damper: Galvanized steel with peripheral gasket and self-lubricating bearings.

1. Maximum Damper Leakage: ARI 880 rated, 2 percent of nominal airflow at 3-inch wg inlet static pressure.
 2. Damper Position: Normally open.
- E. Electric-Resistance Heating Coils : Nickel-chromium heating wire, free of expansion noise and hum, mounted in ceramic inserts in a galvanized-steel housing; with primary automatic, and secondary manual, reset thermal cutouts. Terminate elements in stainless-steel, machine-staked terminals secured with stainless-steel hardware.
1. Access door interlocked disconnect switch.
 2. Nickel chrome 80/20 heating elements.
 3. Airflow switch for proof of airflow.
 4. Fan interlock contacts.
 5. Fuses in terminal box for overcurrent protection (for coils more than 48 A).
 6. Mercury contactors.
 7. Electric switches and relays.
 8. SCR Controller.
- F. Direct Digital Controls: Single-package unitary controller and actuator specified in Division 23 Section "Instrumentation and Control for HVAC." Controls furnished and shipped to the manufacture plant and factory installed by this manufacture. Electrical components mounted in control box with removable cover. Incorporate single-point electrical connection to power source.

2.2 HANGERS AND SUPPORTS

- A. Hanger Rods for Noncorrosive Environments: Cadmium-plated steel rods and nuts.
- B. Hanger Rods for Corrosive Environments: Electrogalvanized, all-thread rods or galvanized rods with threads painted with zinc-chromate primer after installation.
- C. Steel Cables: Galvanized steel complying with ASTM A 603 or Stainless steel complying with ASTM A 492.
- D. Steel Cable End Connections: Cadmium-plated steel assemblies with brackets, swivel, and bolts designed for duct hanger service; with an automatic-locking and clamping device.
- E. Air Terminal Unit Attachments: Sheet metal screws, blind rivets, or self-tapping metal screws; compatible with duct materials.
- F. Trapeze and Riser Supports: Steel shapes and plates for units with steel casings; aluminum for units with aluminum casings.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install air terminal units according to NFPA 90A, "Standard for the Installation of Air Conditioning and Ventilating Systems."

- B. Install air terminal units level and plumb. Maintain sufficient clearance for normal service and maintenance.

3.2 HANGER AND SUPPORT INSTALLATION

- A. Comply with SMACNA's "HVAC Duct Construction Standards - Metal and Flexible," Chapter 4, "Hangers and Supports."
- B. Building Attachments: Concrete inserts, powder-actuated fasteners, or structural-steel fasteners appropriate for construction materials to which hangers are being attached.
 - 1. Where practical, install concrete inserts before placing concrete.
 - 2. Install powder-actuated concrete fasteners after concrete is placed and completely cured.
 - 3. Use powder-actuated concrete fasteners for standard-weight aggregate concretes and for slabs more than 4 inches thick.
 - 4. Do not use powder-actuated concrete fasteners for lightweight-aggregate concretes and for slabs less than 4 inches thick.
- C. Hangers Exposed to View: Threaded rod and angle or channel supports.
- D. Install upper attachments to structures. Select and size upper attachments with pull-out, tension, and shear capacities appropriate for supported loads and building materials where used.

3.3 CONNECTIONS

- A. Connect ducts to air terminal units according to Division 23 Section "Metal Ducts."
- B. Make connections to air terminal units with flexible connectors complying with requirements in Division 23 Section "Air Duct Accessories."

3.4 IDENTIFICATION

- A. Label each air terminal unit. Comply with requirements in Division 23 Section "Identification for HVAC Piping and Equipment" for equipment labels and warning signs and labels.

3.5 FIELD QUALITY CONTROL

- A. Perform tests and inspections.
 - 1. Manufacturer's Field Service: Engage a factory-authorized service representative to inspect components, assemblies, and equipment installations, including connections, and to assist in testing.
- B. Tests and Inspections:
 - 1. After installing air terminal units and after electrical circuitry has been energized, test for compliance with requirements.
 - 2. Operational Test: After electrical circuitry has been energized, start units to confirm resistance heater operation.
 - 3. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.

- C. Air terminal unit will be considered defective if it does not pass tests and inspections.
- D. Prepare test and inspection reports.

3.6 STARTUP SERVICE

- A. Contractor shall engage a factory-authorized service representative to assist in performing startup service.
 - 1. Complete installation and startup checks according to manufacturer's written instructions.
 - 2. Verify that inlet duct connections are as recommended by air terminal unit manufacturer to achieve proper performance.
 - 3. Verify that controls and control enclosure are accessible.
 - 4. Verify that control connections are complete.
 - 5. Verify that nameplate and identification tag are visible.
 - 6. Verify that controls respond to inputs as specified.

3.7 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain air terminal units.

END OF SECTION 233600

Attachment B:
OJS Building Access and Loading Dock Procedures

OJS BUILDING ACCESS PROCEDURES

- Building/Loading Dock - building operating and loading dock hours are 7 a.m. – 5 p.m. Mon-Fri. Any request for access to the loading dock outside of operating hours will require building engineer support and subject to overtime charges. All requests for loading dock usage require a minimum of 48 hours advance notice. Contractor is responsible for all debris, materials, wood pallets, etc.
- Security access - the affected area is de-provisioned during the initial construction phase, allowing the contractor to freely access the construction site, then locked upon completion (furniture installation) and available for access upon request.
- Dumpster use - A dumpster including arrangements for dumping will have to be provided by the authorized contractor.
- Contact for daily questions/issues/approval of work - Joyce Bruno, US Facilities, 202-697-1529; Berhanu Woldesemayat, US Facilities, 202-680-2657, Karmala Brunson DRES, 202-731-1605, Reginald Greene, DRES, 202-253-1746.