PURCHASING DEPARTMENT

The bid listed below has had addenda issued. Documents are available over the Internet at http://www.bid.ci.norwalk.ct.us. Adobe Acrobat reader is required to view this document. If you do not have this software you may down load it for free from Adobe. A link to the Adobe site is provided on the internet bid page. This service is also available via FAX. Dial 203-854-7897 from any phone to access the Purchasing Department's Express Request Line. The document number to request will be the same as the project number indicated above.

Project #	Addendum #	# of pages	Original Issue Date	Request Doc #
2956	2	13	April 22, 2010	1001 - see text below

Date	**May 6, 2010**	
Project Number	**2956**	.
Addenda Number	**2**	
DEADLINE	**2:00 PM**	**May 13, 2010**
Project Title	**HEATING SYSTEM & WINDOW REPLACEMENT – Roosevelt Center**	

This Addendum is a contract document modifying previously issued documents, which remain in full force except as specifically modified below.

Quotations appearing on the Proposal are to reflect the provisions of this Addendum. Failure to acknowledge receipt of this Addendum in the space provided on the response sheet may subject candidate to disqualification.

New Information:

1. Contractors are hereby reminded of the following:
   - Contractors are responsible for payment of all permits
   - Compliance with State of Connecticut Wage Requirements
   - Compliance with Federal Davis Bacon Wage Requirements

2. Attached are specifications for replacement windows. [ten (10) pages] The City will be responsible for the removal and disposal of hazardous materials from the windows. In the event that the City accepts the window replacement alternate, the City will provide an extended completion date for window replacement based on manufacturer production time requirements. Time extension for window replacement shall not impact the completion of the base contract work and schedule.

3. Contractors are hereby advised that the building will be fully occupied during construction. It is anticipated that although the work in the individual Tumble Bugs childcare classrooms is limited, nevertheless, the Contractor shall work closely with representatives from Tumble Bugs in order to obtain access to the classrooms. Access to the classrooms are limited and most likely, will be two/three hours at a specific time. The Contractor may choose to incorporate overtime/weekend work as part of the scope, however, there is no requirement or provision within the contract to compensate the Contractor for such services.

   Access to the senior center and recreation portions of the building has greater flexibility. The Contractor shall cooperate with representatives from Senior Center and establish a procedure and schedule for access.

4. **Add Alternate #4 -** A new alternate has been added in order to isolate the costs associated with the installation of the air conditioning for the Senior Center. The isolation of the air conditioning costs is required in order to determine if a phased installation plan will be required. It is intended that all costs associated with the air conditioning for the senior center be isolated including electrical, HVAC, plumbing, finish work, etc. so that the complete cost may be broken out in the bidding process. Included with this addendum is a revised pricing response form [one (1) page] to capture the pricing for this alternate.

   The lump sum bid for this **Add Alternate #4** – Air Conditioning @ Senior Center shall include all costs for labor, equipment, installation, demolition, preparation, equipment control, electrical, testing and start-up, and all labor and material incident thereto and necessary for the complete installation of the air conditioning units as specified.

   Equipment which is related to this Add Alternate is as follows:

   AC-5: This unit will be completely installed and provided with a cooling coil and all control features that are required for the future installation of the cooling condensers and refrigerant piping. The unit is required for heating and all controls, ductwork, electrical power and other accessories shall be installed at this time under the base bid.

   UV-1: This energy recovery unit will be installed in its entirety along with all controls, accessories and electrical power for a complete and operation system in conjunction with AC-5.

   AC-1, 2, 3 & 4 & CU-1: The complete cost for these air conditioning and condensing units will have all costs associated with the installation broken out to identify and budget a phased installation for this portion of the program.

   AC-1 serves Room #131
   AC-2 Serves Room #132
   AC-3 Serves Room #135
   AC-4 Serves Room #143
   CU-1 – Exterior Condensing
   Unit for the above units and AC-5

End of Addendum #2

1.1 SUBMISSION MATERIALS

Project # 2956 HVAC Systems & Window Replacements – Roosevelt Center Facility [rev 5/6/2010]

Vendor Name -		
Address -		
Phone -	**Fax -**	**Email -**
Manager -		**Fed ID#**

The undersigned hereby declares that he has or they have carefully examined the plans, specifications and project site and has satisfied him as to all the quantities and conditions, and understands that in signing this proposal he waives all right to plead any misunderstanding regarding the same.

The undersigned further understands and agrees that he will furnish and provide all the necessary material, machinery, implements, tools, labor, services, and other items of whatever nature, and to do and perform all the work necessary under the aforesaid conditions, to carry out the contract and to accept in full compensation therefore the amount of the contract as agreed to by the Contractor and the City.

A. HVAC SYSTEMS REPLACEMENTS - ROOSEVELT CENTER FACILITY

Total Lump Sum Bid Price	$
Total Lump Sum Bid Price in Words	

B. ADD ALTERNATES

#1	Supply and install replacement windows….	$
#2	KMC Building Management System	$
#3	Alerton Building Management System	$
#4	Air Conditioning @ Senior Center…	$

Bid Security in the form of a (check one) is attached.		Bond		Certified Check
Cost for performance bond <u>included in lump sum</u>		$		per thousand dollars
Insurance Agency Name -			Tel.-	
Agency Address -				

Submitted by -	
Authorized Agent of Company (name and title)	Date

The above signatory acknowledges receipt of the following addenda issued during the bidding period and understands that they are a part of the bidding documents (if applicable):

Addendum #		Dated		Addendum #		Dated	
Addendum #		Dated		Addendum #		Dated	

SECTION 08 51 13 ALUMINUM WINDOWS

Series 672 H-AW60 Grade Double Hung Windows

PART 1 GENERAL

1.01 Work Included

A. Furnish and install aluminum architectural windows complete with hardware and related components as shown on drawings and specified in this section.
B. All windows shall be EFCO® Series 672 H-AW60 Double Hung or approve equal. Contractor requesting approval on alternate manufacture must submit complete product information & sample window engineer / architect for approval. Other manufacturers requesting approval to bid their product as an equal must submit the following information :
   1 Test reports documenting compliance with requirements of Sections below.

C. Glass and Glazing
   1. All units shall be factory glazed.

D. Single Source Requirement
   1. All products shall be by the same manufacturer.

1.02 Laboratory Testing and Performance Requirements

A. Test Units
   1. Air, water, and structural test unit shall conform to requirements set forth in AAMA/NWWDA 101/I.S.2 – 97 and manufacturer's standard locking/operating hardware and insulated glazing configuration.
   2. Thermal test unit sizes shall be 48" (1219 mm) x 72" (1828). Unit shall consist of a double hung window.

B. Test Procedures and Performances
   1. Windows shall conform to all AAMA/NWWDA 101/I.S.2 - 97 requirements for the window type referenced in 1.01.B. In addition, the following specific performance requirements shall be met.
   2. Life Cycle Testing
      a. Test in accordance with AAMA 910. There shall be no damage to fasteners, hardware parts, support arms, activating mechanisms, or any other damage that would cause the window to be inoperable. Air infiltration and water resistance tests shall not exceed specified requirements.
   3. Air Infiltration Test
      a. With ventilators closed and locked, test unit in accordance with ASTM E 283 at a static air pressure difference of 6.24 psf (299 Pa).
      b. Air infiltration shall not exceed .17 cfm/SF (.86 l/s•m²) of unit.
   4. Water Resistance Test
      a. With ventilators closed and locked, test unit in accordance with ASTM E 331/ASTM E 547 at a static air pressure difference of 12.0 psf (575 Pa).
      b. There shall be no uncontrolled water leakage.
   5. Uniform Load Deflection Test
      a. With ventilators closed and locked, test unit in accordance with ASTM E 330 at a static air pressure difference of 60.0 psf (2873 Pa), positive and negative pressure.
      b. No member shall deflect over L/175 of its span.
   6. Uniform Load Structural Test
      a. With ventilators closed and locked, test unit in accordance with ASTM E 330 at a static air pressure difference of 90.0 psf (4309 Pa), both positive and negative.

b. At conclusion of test there shall be no glass breakage, permanent damage to fasteners, hardware parts, support arms or actuating mechanisms, nor any other damage that would cause the window to be inoperable.

7. Forced Entry Resistance
   a. Windows shall be tested in accordance to ASTM F 588 or AAMA 1302.5 and meet the requirements of performance level 10.
8. Condensation Resistance Test (CRF)
   a. With ventilators closed and locked, test unit in accordance with AAMA 1503.1.
   b. Condensation Resistance Factor (CRF) shall not be less than 51 (frame) and 60 (glass) when glazed with 1" (25 mm) insulated – 1/4" (6 mm) clear, 1/2" (12 mm) air, 1/4" (6 mm) clear glass.
9. Thermal Transmittance Test (Conductive U-Value)
   a. With ventilators closed and locked, test unit in accordance with AAMA 1503.1.
   b. Conductive thermal transmittance (U-Value) shall not be more than 0.55 BTU/hr•ft^2•°F (3.12 W/m²•K) when glazed with 1" (25 mm) insulated – 1/4" (6 mm) clear, 1/2" (12 mm) air, 1/4" (6 mm) clear glass
10. Thermal Transmittance Test (Conductive U-Value)
    a. With ventilators closed and locked, test unit in accordance with NFRC-102.
    b. Conductive thermal transmittance (U-Value) shall not be more than 0.51 BTU/hr•ft^2•°F (2.89 W/m²•K) when glazed with 1" (25 mm) insulated – 1/4" (6 mm) clear, 1/2" (12 mm) air, 1/4" (6 mm) clear glass

C. Project Wind Loads
   1. The system shall be designed to withstand the following loads normal to the plane of the wall:
      a. Positive pressure of psf (60 Pa) at non-corner zones.
      b. Negative pressure of psf (50 Pa) at non-corner zones.
      c. Negative pressure of psf (60 Pa) at corner zones.

1.03 Window shall meet all requirements for the rebate program in state of Connecticut.

1.04 Quality Assurance

A. Provide test reports from AAMA accredited laboratories certifying the performance as specified in 1.05.
B. Test reports shall be accompanied by the window manufacturer's letter of certification, stating the tested window meets or exceeds the referenced criteria for the appropriate AAMA/NWWDA 101/I.S.2 - 97 window type.

1.05 Submittals

A. Contractor shall submit shop drawings; finish samples, test reports, and warranties.
   1. Samples of materials as may be requested without cost to owner, i.e., metal, glass, fasteners, anchors, frame sections, mullion section, corner section, etc.

1.06 Warranties

A. Total Window System
   1. The responsible contractor shall assume full responsibility and warrant for one year the satisfactory performance of the total window installation which includes that of the windows, hardware, glass (including insulated units), glazing, anchorage and setting system, sealing, flashing, etc., as it relates to air, water, and structural adequacy as called for in the specifications and approved shop drawings.

2. Any deficiencies due to such elements not meeting the specifications shall be corrected by the responsible contractor, at their expense, during the warranty period.

B. Material and Workmanship
   1. Per AAMA standard 601, provide written guarantee against defects in material and workmanship.
   2. Warranty period shall be for 5 years from the date of final shipment.

C. Glass
   1. Provide written warranty for insulated glass units, that they will be free from obstruction of vision as a result of dust or film formation on the internal glass surfaces caused by failure of the hermetic seal due to defects in material and workmanship.
   2. Warranty period shall be for 10 (ten) years.

D. Organic Finish
   1. Provide organic finish and warranty based on AAMA standard 2603.

      OR

   1. Provide organic finish and warranty based on AAMA standard 2604.

      OR

   1. Provide organic finish and warranty based on AAMA standard 2605.

PART 2 PRODUCTS

2.01 Materials

A. Aluminum
   1. Extruded aluminum shall be 6063-T6 alloy and tempered.

B. Hardware
   1. Sweep latches shall be of white bronze with a US25D brushed finish.
   2. An extruded aluminum spring catch shall be provided at the head of the windows to securely hold the top sash in position.
   3. An optional extruded aluminum spring catch shall be provided at the sill of the lower sash.
   4. Windows with spring latches shall also have standard sweep latches at the meeting rail.

C. Balances
   1. Balances shall be of appropriate size and capacity to hold sash in position in accordance with AAMA 101, Section 2.2.1.3.2, and AAMA 902, Section 8.1.
   2. Balances shall be high performance sash balances that are tested in accordance with AAMA 902 “Voluntary Specification for Sash Balances”.
   3. Balances shall meet all minimum AAMA 902 Class 5 requirements with a minimum .30 Manually Applied Force ratio (MAF).
   4. Balances shall be attached to a locking carrier system that slides on extruded rails in the jamb channels. Sash shall be field removable for installation and maintenance. Mounting brackets that are screw attached to the sash will not be allowed.

D. Weather-Strip
   1. All primary weather-strip shall be FIN-SEAL® or equal.

E. Glass
   1. Insulated glass shall be 1” as manufactured by EFCO consisting of 3/16” exterior, argon gas spacer, and 3/16” interior.

F. Thermal Barrier
   1. All exterior aluminum shall be separated from interior aluminum by a rigid, structural thermal barrier. For purposes of this specification, a structural thermal barrier is defined as a system that shall transfer shear during bending and, therefore, promote composite action between the exterior and interior extrusions.
   2. No thermal short circuits shall occur between the exterior and interior.
   3. The thermal barrier shall be 2 thermal struts, consisting of glass reinforced polyamide nylon, mechanically crimped in raceways extruded in the exterior and interior extrusions.
   4. Poured and debridged urethane thermal barriers shall not be permitted.

2.02 Fabrication

A. General
   1. All aluminum frame and vent extrusions shall have a minimum wall thickness of .080” (2 mm). Frame sill members shall have a minimum wall thickness of .094” (2.3 mm).
   2. Mechanical fasteners, welded components, and hardware items shall not bridge thermal barriers. Thermal barriers shall align at all frame and vent corners.
   3. Depth of frame shall not be less than 3 7/8” (98 mm).
   4. All frame and vent members shall be able to accommodate separate interior and exterior finishes and colors.

B. Frame
   1. Frame components shall be mechanically fastened.

C. Sash
   1. All sash extrusions shall have a minimum wall thickness of .080” (2 mm).
   2. All horizontal sash extrusions shall be tubular.
   3. Corner connections shall be mechanically fastened.

D. Screens – half screens shall be provided.
   1. Screen frames shall be extruded aluminum.
   2. Screen mounting holes in the window frame shall be factory drilled.
   3. Screen mesh shall be aluminum or fiberglass.

E. Glazing
   1. All units shall be glazed with the manufacturer's standard sealant process provided the glass is held in place by a removable, extruded aluminum, glazing bead. The glazing bead must be isolated from the glazing material by a gasket.

F. Finish

   1. Anodic
      a. Finish all exposed areas of aluminum windows and components with electrolytically deposited color in accordance with Aluminum Association Designation AA-M10-C22-41 Color shall be white.

PART 3 EXECUTION

3.01 Inspection

A. Job Conditions
   1. Verify that openings are dimensionally within allowable tolerances, plumb, level, clean, provide a solid anchoring surface, and are in accordance with approved shop drawings.

   2. Provide for manufacturer representation to conduct pre-installation site meeting.

3.02 Installation

A. Use only skilled tradesmen with work done in accordance with approved shop drawings and specifications.
B. Plumb and align window faces in a single plane for each wall plane, and erect windows and materials square and true. Adequately anchor to maintain positions permanently when subjected to normal thermal movement, specified building movement, and specified wind loads.
C. Adjust windows for proper operation after installation.
D. Furnish and apply sealants to provide a weather tight installation at all joints and intersections and at opening perimeters. Wipe off excess material and leave all exposed surfaces and joints clean and smooth.

3.03 Anchorage

A. Adequately anchor to maintain positions permanently when subjected to normal thermal movement, specified building movement, and specified wind loads.

3.04 Protection and Cleaning

A. After completion of window installation, windows shall be inspected, adjusted, put into working order and left clean, free of labels, dirt, etc. Protection from this point shall be the responsibility of the general contractor.

SECTION 08 51 13 ALUMINUM WINDOWS

Series 3500 Thermal HS-AW50 Grade Horizontal Sliding Windows

PART 1 GENERAL

1.01 Work Included

A. Furnish and install aluminum architectural windows complete with hardware and related components as shown on drawings and specified in this section.
   1. All windows shall be EFCO® Series 3500 Thermal HS-AW50 Horizontal Sliding. Other manufacturers requesting approval to bid their product as an equal must submit the following information:

   A sample window, 36" (914 mm) x 24" (610 mm) single unit, as per requirements of architect.
   2. Test reports documenting compliance with requirements of Section 1.05.

B. Glass and Glazing
   1. All units shall be factory glazed.

C. Single Source Requirement
   2. All products listed in Section 1.02 shall be by the same manufacturer.

1.02 Laboratory Testing and Performance Requirements

A. Test Units
   3. Air, water, and structural test unit shall conform to requirements set forth in ANSI/AAMA/NWWDA 101/I.S.2/NAFS-02 and manufacturer's standard locking/operating hardware and insulated glazing configuration.
   4. Thermal test unit sizes shall be 72" (1828 mm) x 48" (1219 mm). Unit shall consist of a single horizontal sliding window.

B. Test Procedures and Performances
   2. Windows shall conform to all ANSI/AAMA/NWWDA 101/I.S.2/NAFS-02 requirements for the window type referenced in 1.01.B. In addition, the following specific performance requirements shall be met.
   3. Life Cycle Testing
      a. Test in accordance with AAMA 910. There shall be no damage to fasteners, hardware parts, support arms, activating mechanisms, or any other damage that would cause the window to be inoperable. Air infiltration and water resistance tests shall not exceed specified requirements.
   4. Air Infiltration Test
      a. With window sash closed and locked, test unit in accordance with ASTM E 283 at a static air pressure difference of 6.24 psf (299 Pa).
      b. Air infiltration shall not exceed .10 cfm/SF (.50 l/s•m²) of unit.
   5. Water Resistance Test
      a. With window sash closed and locked, test unit in accordance with ASTM E 331/ASTM E 547 a static air pressure difference of 14.0 psf (670 Pa).
      b. There shall be no uncontrolled water leakage.
   6. Uniform Load Deflection Test
      a. With window sash closed and locked, test unit in accordance with ASTM E 330 at a static air pressure difference of 50.0 psf (2394 Pa), positive and negative pressure.
      b. No member shall deflect over L/175 of its span.
   7. Uniform Load Structural Test
      c. With window sash closed and locked, test unit in accordance with ASTM E 330 at a static air pressure difference of 75.0 psf (3591 Pa), both positive and negative.
      d. At conclusion of test there shall be no glass breakage, permanent damage to fasteners,

hardware parts, support arms or actuating mechanisms, nor any other damage that would cause the window to be inoperable.

8. Forced Entry Resistance
    a. Windows shall be tested in accordance to ASTM F 588 or AAMA 1302.5 and meet the requirements of performance level 10.
9. Condensation Resistance Test (CRF)
    a. With window sash closed and locked, test unit in accordance with AAMA 1503.1.
    b. Condensation Resistance Factor (CRF) shall not be less than 55 (frame) and 62 (glass when glazed with 1" (25 mm) insulated – 1/4" (6 mm) clear, 1/2" (12 mm) air, 1/4" (6 mm) clear low emissivity glass.
10. Thermal Transmittance Test (Conductive U-Value)
    a. With window sash closed and locked, test unit in accordance with AAMA 1503.1.
    b. Conductive thermal transmittance (U-Value) shall not be more than 0.56 BTU/hr•ft^2 •°F (3.17 W/m²•K) when glazed with 1" (25 mm) insulated – 1/4" (6 mm) clear, 1/2" (12 mm) air, 1/4'" (6 mm) clear low emissivity glass.
10. Thermal Transmittance Test (Conductive U-Value)
    a. With ventilators closed and locked, test unit in accordance with NFRC-102.
    b. Conductive thermal transmittance (U-Value) shall not be more than 0.54 BTU/hr•ft^2 •°F (3.06 W/m²•K) when glazed with 1" (25 mm) insulated – 1/4" (6 mm) clear, 1/2" (12 mm) air, 1/4" (6 mm) clear low emissivity glass.

C. Project Wind Loads
    1. The system shall be designed to withstand the following loads normal to the plane of the wall:
        a. Positive pressure of psf (60 Pa) at non-corner zones.
        b. Negative pressure of psf (50 Pa) at non-corner zones.
        c. Negative pressure of psf (60 Pa) at corner zones.

1.03 Window shall meet all requirements for the rebate program in state of Connecticut.

1.04 Quality Assurance

A. Provide test reports from AAMA accredited laboratories certifying the performance as specified in 1.05.
B. Test reports shall be accompanied by the window manufacturer's letter of certification, stating the tested window meets or exceeds the referenced criteria for the appropriate ANSI/AAMA/NWWDA 101/I.S.2/NAFS-02 window type.

1.05 Submittals

A. Contractor shall submit shop drawings; finish samples, test reports, and warranties.
    1. Samples of materials as may be requested without cost to owner, i.e., metal, glass, fasteners, anchors, frame sections, mullion section, corner section, etc.

1.06 Warranties

A. Total Window System
    1 The responsible contractor shall assume full responsibility and warrant for one year the satisfactory performance of the total window installation which includes that of the windows, hardware, glass (including insulated units), glazing, anchorage and setting system, sealing, flashing, etc., as it relates to air, water, and structural adequacy as called for in the specifications and approved shop drawings.

2 Any deficiencies due to such elements not meeting the specifications shall be corrected by the responsible contractor at their expense during the warranty period.

B. Material and Workmanship
   1 Per AAMA standard 601, provide written guarantee against defects in material and workmanship.
   2 Warranty period shall be for 5 years from the date of final shipment.

C. Glass
   1. Provide written warranty for insulated glass units, that they will be free from obstruction of vision as a result of dust or film formation on the internal glass surfaces caused by failure of the hermetic seal due to defects in material and workmanship.
   2. Warranty period shall be for 10 (ten) years.

D. Organic finish
   1. Provide organic finish and warranty based on AAMA standard 2603.

      OR

   2. Provide organic finish and warranty based on AAMA standard 2604.

      OR

   2. Provide organic finish and warranty based on AAMA standard 2605

PART 2 PRODUCTS

2.01 Materials

A. Aluminum
   2. Extruded aluminum shall be 6063-T6 alloy and tempered.

B. Hardware
   3. Concealed plunger lock in the meeting rail with a flush mounted actuating handle.
   4. Sash shall ride on steel ball bearing rollers and a raised track, so dirt will not interfere with normal operation.

2.02 Weather-Strip

A. All primary weather-strip shall be Q-Lon® or equal.

2.03 Glass

A. Insulated glass shall be 1” as manufactured by EFCO consisting of 3/16” exterior, argon gas spacer, and 3/16” interior.

2.04 Thermal Barrier

1 All exterior aluminum shall be separated from interior aluminum by a rigid, structural thermal barrier. For purposes of this specification, a structural thermal barrier is defined as a system that shall transfer shear during bending and; therefore, promote composite action between the exterior and interior extrusions.

2 The thermal barrier shall be 2 thermal struts, consisting of glass reinforced polyamide nylon, mechanically crimped in raceways extruded in the exterior and interior extrusions.

3 Poured and debridged urethane thermal barriers shall not be permitted.

2.05 Fabrication

A. General
   1 All aluminum frame and sash extrusions shall have a minimum wall thickness of .062” (1.5mm). Frame sill members shall have a minimum wall thickness of .094” (2.3 mm).
   2 Depth of frame shall not be less than 3 1/4” (82 mm).

3 Mechanical fasteners, welded components, and hardware items shall not bridge thermal barriers. Thermal barriers shall align at all frame and vent corners.

B. Frame
1 Frame components shall be mechanically fastened.
2 Frame and sash shall have a continuous interlock at the meeting rail.

C. Sash
1 Sash vertical members shall telescope into the sash horizontals and be mechanically fastened.
2 The sash shall be single or double weather-stripped.

D. Screens
1. Half screens only shall be permitted. The screen shall not be surface mounted.
2. Screen frames shall be extruded aluminum.
3. Screen mesh shall be aluminum or fiberglass.

E. Glazing
All lites (both sash and fixed) of the horizontal sliding window shall be inside glazed and weeped.
All units shall be glazed with the manufacturer's standard sealant process provided the glass is held in place by a removable, extruded aluminum, glazing bead. The glazing bead must be isolated from the glazing material by a gasket.

2.06 Finish

2. Anodic
b. Finish all exposed areas of aluminum windows and components with electrolytically deposited color in accordance with Aluminum Association Designation AA-M10-C22-41 Color shall be white.

PART 3 EXECUTION

3.01 Inspection

A. Job Conditions
2. Verify that openings are dimensionally within allowable tolerances, plumb, level, clean, provide a solid anchoring surface, and are in accordance with approved shop drawings.

2. Provide for manufacturer representation to conduct pre-installation site meeting.

3.02 Installation

A. Use only skilled tradesmen with work done in accordance with approved shop drawings and specifications.

B. Plumb and align window faces in a single plane for each wall plane, and erect windows and materials square and true. Adequately anchor to maintain positions permanently when subjected to normal thermal movement, specified building movement, and specified wind loads.

C. Adjust windows for proper operation after installation.

D. Furnish and apply sealants to provide a weather tight installation at all joints and intersections and at opening perimeters. Wipe off excess material and leave all exposed surfaces and joints clean and smooth.

3.03 Anchorage

A. Adequately anchor to maintain positions permanently when subjected to normal thermal movement, specified building movement, and specified wind loads.

3.04 Protection and Cleaning

A. After completion of window installation, windows shall be inspected, adjusted, put into working order and left clean, free of labels, dirt, etc. Protection from this point shall be the responsibility of the general contractor.

PURCHASING DEPARTMENT

The bid listed below has had addenda issued. Documents are available over the Internet at http://www.bid.ci.norwalk.ct.us. Adobe Acrobat reader is required to view this document. If you do not have this software you may down load it for free from Adobe. A link to the Adobe site is provided on the internet bid page. This service is also available via FAX. Dial 203-854-7897 from any phone to access the Purchasing Department's Express Request Line. The document number to request will be the same as the project number indicated above.

Project #	Addendum #	# of pages	Original Issue Date	Request Doc #
2956	1	4	April 22, 2010	1001 - see text below

Date	**April 29, 2010**	
Project Number	**2956**	.
Addenda Number	**1**	
DEADLINE	**2:00 PM**	**May 13, 2010**
Project Title	**HEATING SYSTEM & WINDOW REPLACEMENT – Roosevelt Center**	

This Addendum is a contract document modifying previously issued documents, which remain in full force except as specifically modified below.

Quotations appearing on the Proposal are to reflect the provisions of this Addendum. Failure to acknowledge receipt of this Addendum in the space provided on the response sheet may subject candidate to disqualification.

New Information:

1. A pre-bid conference for this project was held at 10:00am, Thursday, April 29, 2010 at the Roosevelt Center Facility, located at 11 Allen Road, Norwalk, CT.. A copy of the sign-in sheets from that meeting is included as an attachment to this addendum. (2 pages)

2. A second pre-bid conference for this project has been scheduled for 10:00am, Monday, May 3rd at the Roosevelt Center. Interested parties should report to the main entrance of the Roosevelt Center.

Response to Questions

1. Question: Can you tell me if there are two prime contracts here or one? It appears that the windows are an alternate price to the heating contract.

   Response: There shall be one (1) contract for this award. It is anticipated that the mechanical trade contractor shall be the prime contractor, with the other trades reporting to them.

2. Question: There are no specification in the Project Manual for the New Windows, Glazing, Caulking, etc. and whatever specifications are required for such a large portion of this project.

   Response: These specifications shall be released via a subsequent addendum.

3. Question: I would like to bid on the Asbestos & Lead Abatement. Could you e-mail me the scope of work? If not, how do you suggest I go about bidding?

   Response: The abatement of the basement and tunnel areas has already been awarded and shall be completed under a separate contract.

4. Question: I picked up the plans and specs for the HVAC/Exterior window replacement project at the Roosevelt Center this morning. We were interested in bidding the project with Honeywell HVAC equipment and I was wondering how to apply to do so? Is it possible that we could submit an RFI to have our equipment as an acceptable equal/alternate?

   Response: The City has already identified two (2) building energy management systems within the bid specification that are presently being utilized in other City facilities. The City shall not be considering another [third] system for this project.

5. Question: Will the building be occupied during construction?

   Response: Yes, the building shall be occupied during construction.

6. Question: Will further access to the facility be made available if we want to come back and look around again?

   Response: Yes, see item #2 within the new information section of this addendum.

7. Question: If we have any additional questions where should we submit them to?

   Response: As outlined within the bid package all questions should be submitted in writing to Gerald J. Foley, Purchasing Agent for the City of Norwalk via fax to 203-854-7817, or via e-mail to gfoley@norwalkct.org The deadline for the submission of questions is 2:00pm, Thursday, May 6th , 2010.

8. Question: Do you anticipate that the window installation schedule will be the same as the heating system installation?

   Response: No, the replacement of the windows is not as time sensitive as the replacement of the heating ventilation and air-conditioning systems.

9. Question: What is the project budget? Is this project a re-bid?

   Response: The project budget was listed within the bid package as $600,000.00. No, this project was not put out to bid previously.

End of Addendum #1

PRE – BID CONFERENCE – BID # 2956
HVAC & Exterior Window Replacements – Roosevelt Center
10:00AM, Thursday, April 29, 2010

PLEASE PRINT

NAME	TITLE	COMPANY	E-MAIL	TELEPHONE / FACSIMILE
1. ROBERT TADDUNI	OWNER	UNIVERSAL MECHANICAL	UMCFIRST@AOL.COM	TEL: 203 296 2781 FAX: 203 296 4849
2. ERIC KARALIUS		STEWART MECHANICAL	STEWARTMECHANICAL@ATT.NET	TEL: 203-575-0440 FAX: 203-575-0424
3. JIM PINO JR.	PRES.	OLYMPUS CONSTRUCTION	JIM@OLYMPUSCONSTRUCTION.COM	TEL: 203 878 1544 FAX: 203 878 6430
4. RAY BENINATO ~~ROSS MANCUSO~~	VP ~~PM~~	INDUSTRIAL WINDOW ~~ANDERSON GLASS CO.~~	RAYC_INDUSTRIALWINDOW.COM ~~anderson glass 2005@yahoo.~~	TEL: 914 937 1600 FAX: 937 6027
5. ROSS MANCUSO	PM	ANDERSON GLASS CO	anderson glass 2005@yahoo.	TEL: 203 934 7927 FAX:
6. Joe Witzmann		Lane Electrical Partners	Jwitzlaneelectric@snet.net	TEL: 203-787-3561 FAX:
7. Rip McElhowney		Coastal Mechanical	rip@coastal-mechanical.com	TEL: 203-953-3732 FAX: 203-953-3738
8. DON PETERSON CHRIS WYNIMKO	ENGINEER ENGINEER	PETERSON ENGINEERING GROUP PETERSON ENGINEERING GROUP	dcpeterson@peg-eng.com cwynimko@peg-eng.com	TEL: (203) 810 4191 (w) FAX: (203) 810 4198 (fax)
9. Whitney Mays	CCA	Honeywell ACS	whitney.mays@honeywell.com	TEL: 860-571-6429 FAX:

PRE – BID CONFERENCE – BID # 2956
HVAC & Exterior Window Replacements – Roosevelt Center
10:00AM, Thursday, April 29, 2010

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NAME	TITLE	COMPANY	E-MAIL	TELEPHONE / FACSIMILE
1. Greg Moore	Owner	PioGas	Piogas5@AOL	TEL: 203 675-4751
				FAX: 203 675-4752
2. John Olsen	Proj Mgr	O&G Ind.	JohnOlsen@ogind.com	TEL: 860 496-4283
				FAX: 860 626-6447
3. Wayne Fletcher	owner	CHASEMECHANICAL	WCFE@CHASEMECHANICAL.com	TEL: 860-883-6408
				FAX: 860-883-6019
4. BEN PEREZ	PM	TEMP TECH MECH	bperez@aeget.com	TEL: 8603919621
				FAX: 8603990013
5. Greg Canna	VP	Automated Building Syste	gcanna@absddc.com	TEL: 8606579257
				FAX: 8606573135
6. Peter Hudson	SM	Main Enterprises Inc	phudson@mainhvac.com	TEL: 203-334-3419
				FAX: 203-333-3934
7.				TEL:
				FAX:
8.				TEL:
				FAX:
9.				TEL:
				FAX: