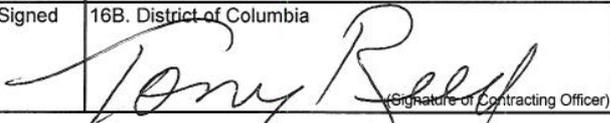


<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. Contract Number	Page of Pages 1   39
2. Amendment/Modification Number DCAM-2008-R-0088-007	3. Effective Date 24-Nov-08	4. Requisition/Purchase Request No.	5. Solicitation Caption Consolidated Forensics Laboratory	
6. Issued By: Office of Contracting and Procurement Construction, Design and Building Renovation 441 4th Street, NW, Suite 700 South Washington, DC 20001		Code	7. Administered By (If other than line 6) Office of Property Management 2000 14th Street, N.W. Washington, DC 20009	
8. Name and Address of Contractor (No. Street, city, country, state and ZIP Code)			(X)	9A. Amendment of Solicitation No. DCAM-2008-R-0088
				9B. Dated (See Item 11) 25-Sep-08
				10A. Modification of Contract/Order No.
				10B. Dated (See Item 13)
Code	Facility			
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>				
<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> copies 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)				
<b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14</b>				
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 27 DCMR, Chapter 36, Section 3601.2.				
C. This supplemental agreement is entered into pursuant to authority of:				
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> copies to the issuing office.				
14. Description of amendment/modification (Organized by UCF Section headings, including solicitation/contract subject matter where feasible.)				
Solicitation No. DCAM-2008-R-0088, is hereby amended as follows:				
(1). Additional Questions and Answers, (Attachment A).				
(2). Revised drawings and specifications list, (Attachment B). The actual files in Attachment B can be viewed and downloaded from (ftp://ForensicBid:OS3OfU5q@ftp.jacobs.com/)				
(3). 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 Tony Reed	
15B. Name of Contractor		15C. Date Signed	16B. District of Columbia	16C. Date Signed
(Signature of person authorized to sign)				11/25/08
			(Signature of Contracting Officer)	

**ANSWERS TO OFFERORS QUESTIONS**

Quest. No.	Question	Answer
142.	<p>Reference: Amendment No. 06, Question 115</p> <p>As a follow-up, the intent of the question was to address Section 013300 (Submittals Procedures) post-award construction submittals and not the original proposals submission. Here is the question again:</p> <p>Section 013300-2.1.B.4, addresses the number of hard copies of submittals to be provided. May electronic submittals be provided in lieu of hard copies?</p>	<p>Contractor shall provide construction phase submittals in both Hard copies and Electronic copies (product data, shop drawings, etc.)</p>
143.	<p>Reference: Security System and Hardware</p> <p>1. Are we to assume that the symbol FNGR refers to a biometric reader?</p> <p>2. Is there a particular manufacture that is required for this project?</p>	<p>1. Yes.</p> <p>2. Yes, Protective Services Division (PSD) for the District utilizes GE/Casi/Rusco Picture Perfect 4.0 &amp; Facility Commander 2.1 as the standard across the District. This system or higher, shall be installed.</p>
144.	<p>Reference: S304 CMU wall reinforcing (Masonry)</p> <p>S304 CMU wall reinforcing schedule for 8" CMU full height interior walls up to 15'0", The vertical reinforcing is called out as # 4 bars 18" O/C. This causes a conflict with the CMU block and this spacing cannot be achieved.</p> <p>Is this intended spacing or can the spacing be adjusted to 24" or 48" spacing?</p>	<p>24" spacing for interior walls up to 15' high is acceptable</p>
145.	<p>Subject: Environmental Rooms</p> <p>1) Specification Section 132100 – Environmental Rooms 2.2 (D); references a door type and notes "except at room #L164B." We cannot locate this room. What is the location of Room L164B?</p> <p>2) Specification Section 132100 - Environmental Rooms – Environmental Room Schedule; states the O.D. size of room 4229 is 10' x 14'. Drawing A206E depicts the room</p>	<p>1. Refer to revised Section 132100 issues as part of Amendment No. 05. Room L164B was deleted.</p> <p>2. Room 4229 size is 10' x 9' (nominal).</p>

**ANSWERS TO OFFERORS QUESTIONS**

	as 10' x 9'. What is the correct dimension for room 4229?	
146.	<p>Subject: Wall Protection</p> <p>Please clarify location of areas to receive Sani-Rail Wall protection and stainless steel corner guards.</p>	Wall and corner guard protections and details are shown on the QL series drawings
147.	<p>Subject: Environmental Rooms Condensers</p> <p>1) Drawing H408c shows condensers for rooms 3211, 3217, 4229, 5179, 5260, 4129, 4223, 5063, 5214, and 5261. Room 5179 is not shown on the environmental room schedule and rooms 1179 and 1185 are not shown on this drawing.</p> <p>a) Where is the location of the condensers for rooms 1179 and 1185?                  b) Is condenser 5179 supposed to be room 5180 or is 5179 supposed to be an environmental room as well?</p> <p>2) Locations of the condensers on drawings E408a, E408b, and E408c are in conflict with the locations of the same condensers shown on drawing H408c.</p> <p>a) Are the locations of the condensers on drawing H408c correct?</p>	<p>1a.) Locations for condensing units for cold rooms 1179 &amp; 1185 are located in level B2 mechanical room; west of column # 1 and in between column C &amp; D. Drawings will be revised accordingly to show locations.</p> <p>1b.) Condenser 5179 should be labeled 5180.</p> <p>2a.) Locations shown on mechanical plans are correct. Electrical plans will be revised accordingly</p>
148.	<p>Reference: Mechanical Specs</p> <p>#1 – Please provide a written specification for the humidifiers?</p> <p>#2 – Would “Invensys Pritchett” be considered as an acceptable manufacturer and installer for the automatic temperature control system? They are the representative for “Reliable” and “Siebe” type controls in the D.C. area.</p>	<p>#1 – Refer to new attached specification section (SECTION 238413 – HUMIDIFIERS) issued as part of this amendment</p> <p>#2 – No substitutions allowed. “Invensys Pritchett” is not a listed Manufacturer in specification section “230900.2.1.A.1” and will not be accepted. Specification section “012500.1.4.E (Substitution Procedures)” states “Where paragraphs or subparagraphs specifically name products and manufacturer, and do not indicate “or equal”, provide product named. No substitutions allowed”.</p>

**ANSWERS TO OFFERORS QUESTIONS**

<p>#3 – Would a grooved type piping system (fittings, couplings and valves) be acceptable for the hot water heating piping system on pipe sizes 2-1/2" and larger?</p> <p>#4 – Would a grooved type piping system (fittings, couplings and valves) be acceptable for the chilled water piping system on pipe sizes 2-1/2" and larger?</p> <p>#5 – Would a grooved type piping system (fittings, couplings and valves) be acceptable for the condenser water piping system on pipe sizes 2-1/2" and larger?</p> <p>#6 – Would a grooved type piping system (fittings, couplings and valves) be acceptable for the glycol water heating piping system on pipe sizes 2-1/2" and larger?</p> <p>#7 – Is "standard weight" black steel pipe acceptable for the chilled water piping system on pipe sizes 12" and larger? When you get to pipe sizes 12" and larger on black steel, schedule 40 is considered "true schedule 40" steel pipe. The difference between "standard weight" and "true schedule 40" black steel on pipe sizes 12" and larger, is that "true schedule 40" steel pipe is thicker and much more expensive. It is also harder to get and the lead times are very long.</p> <p>#8 – Is "standard weight" black steel pipe acceptable for the condenser water piping system on pipe sizes 12" and larger? When you get to pipe sizes 12" and larger on black steel, schedule 40 is considered "true schedule 40" steel pipe. The difference between "standard weight" and "true schedule 40" black steel on pipe sizes 12" and larger, is that "true schedule 40" steel pipe is thicker and much more expensive. It is also harder to get and the lead times are very long.</p> <p>#10 – Are high performance butterfly valves required on all chilled water shut-off valves on pipe sizes 2-1/2" and larger? The specification section "230523-3.5-B" lists two types; it</p>	<p>#3 – No. Grooved piping system will not be accepted.</p> <p>#4 - No. Grooved piping system will not be accepted.</p> <p>#5 - No. Grooved piping system will not be accepted.</p> <p>#6. No. Grooved piping system will not be accepted.</p> <p>#7 – Standard weight black steel is acceptable.</p> <p>#8 – Standard weight black steel is acceptable.</p> <p>#9 – GC means &amp; methods</p> <p>#10 –Per construction drawings no piping systems shall operate above 150 PSI, therefore high performance valves are not required.</p> <p>#11 – Per construction drawings no piping systems shall operate above 150 PSI, therefore high performance valves are not required.</p> <p>#12 - No substitutions allowed. Evapco" is not a listed Manufacturer in specification section "236500.2.1.A" and will not be accepted. Specification section "012500.1.4.E (Substitution Procedures)" states "Where paragraphs or subparagraphs specifically name products and manufacturer, and do not indicate "or equal", provide product named. No substitutions allowed".</p> <p>#13 - No substitutions allowed. "Tranter" is not a listed Manufacturer in specification section "235700.2.1.A.1" and will not be accepted. Specification section "012500.1.4.E (Substitution Procedures)" states "Where paragraphs or subparagraphs specifically name products and manufacturer, and do not indicate "or equal", provide product named. No substitutions allowed".</p> <p>#14 - The basic specification for both the underground and above ground piping is the same. The materials used for the carrier pipe would dictate the use of a pipe coating. If the carrier pipe material is capable of above or below ground us such as Perma-Pipe Type-FS no coating would be required. Each of the manufacturers listed provides a non-metallic carrier pipe which can be used both above and below grade.</p> <p>#15 - Affirmative, "U.S. Filter" is considered an acceptable manufacturer for de-ionized water system?</p>
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**ANSWERS TO OFFERORS QUESTIONS**

<p>mentions iron body butterfly valves and also high performance butterfly type. Which is the correct type of valve to be used for chilled water shut-off on sizes 2-1/2" and larger?</p> <p>#11 – Are high performance butterfly valves required on all condenser water shut-off valves on pipe sizes 2-1/2" and larger? The specification section "230523-3.5-B" lists two types; it mentions iron body butterfly valves and also high performance butterfly type. Which is the correct type of valve to be used for condenser water shut-off on sizes 2-1/2" and larger?</p> <p>#12 - Would "Evapco" be considered as an acceptable manufacturer for the cooling towers?</p> <p>#13 - Would "Tranter" be considered as an acceptable manufacturer for the plate &amp; frame type heat exchangers?</p> <p>#14 – Please provide a written specification for the aboveground "double wall" fuel oil piping system?</p> <p>#15 – Would "U.S. Filter" be considered as an acceptable manufacturer for the de-ionized water system?</p> <p>#16 – Would "Orion" be considered as an acceptable manufacturer for the neutralization system?</p> <p>#17 – Would "Orion" be considered as an acceptable manufacturer for the pure water piping system, as specified in section "226700-2.3-A"?</p> <p>#18 – The specification section "233113-2.3-F" on page 5 calls for the ductwork to have an antimicrobial coating on the interior as well as the exterior of all ductwork. This application is not listed in the execution section. Please confirm the coating is not required?</p>	<p>#16 - "Orion" can be considered an acceptable manufacturer for the neutralization system if they meet the project specification requirements.</p> <p>#17 – "Orion" is not approved for the pure water piping system.</p> <p>#18 – The antimicrobial coating is required for all ductwork as indicated in specification section "233113.2.3.E". Refer to manufacturer for specific details pertaining to coating of ductwork.</p> <p>#19 – Isolated Drying Room requires a retractable hose reel (E-031) as shown on Drawing QL 453a. Hose reel is served with Tempering (mixing) Valve LMV- 1.2 as indicated on Drawing P-453a, with Schedule on Drawing P-603 and piping arrangement identical to that shown in Detail 3 on Drawing P-901.</p> <p>#20 – Drawing P-453b, Keyed Notes "1 and 11" indicate service piping requirements for referenced laboratory sink.</p> <p>#21 - Drawing P-456c, Keyed Note "7" indicates service piping requirements for this sink.</p> <p>#22 - Drawing P-606 Revision 2 issued 06 October 2008, "Laboratory Fixture &amp; Equipment Connection Schedule" specifies service piping requirements for sink SK-5.</p>
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**ANSWERS TO OFFERORS QUESTIONS**

	<p>#19 – On drawing “P-453A” it shows at note #3 &amp; #46 to be a mixing valve, but on drawing “QL453A” it shows this item to be an E-031; which is a retractable hose reel. Please confirm which item it is suppose to be and provide a detail showing the piping connections to this item.</p> <p>#20 – The drawing “QL453B” shows a lab sink at column line 10 at the top of the drawing, but no label has been indicated. Please indicate which type of sink it is?</p> <p>#21 – The drawing “QL456C” shows a lab sink in the glass washer room 4242, but no label has been indicated. Please indicate which type of sink it is?</p> <p>#22 – There is a sink “SK-5” shown on drawings “QL456B” and “QL457B”, but it is not shown on the equipment connection schedule. Please provide a schedule of connection for this sink?</p>	
<p>149.</p>	<p>Reference: Specification 132100, Amendment #5</p> <p>Specification 132100, Amendment #5 calls for the uniformity in ALL rooms except 5063, 5180 and 5214 to be <math>\pm 0.5^{\circ}\text{C}</math>. This requires to supply rooms with pressurized ceiling plenum. At the same time, the room schedule calls for the uniformity <math>\pm 2.5^{\circ}\text{C}</math>.</p> <p>Please confirm that tighter uniformity is required.</p>	<p>Refer to revised Section 132100 (Environmental Room) issued as part of this Amendment (No. 07)</p>
<p>150.</p>	<p>Reference: DIRTT System</p> <p>Please see below a request for clarifications in order to provide an accurate bid for the above referenced project.</p> <p>1. <b>Typical Reception Areas (Rms 2020, 3020,4020, 5020, 6020)</b></p> <p>a. Elevations A, B, C, D / A672 indicate demountable wall finishes. Please confirm which walls are DIRTT.</p>	<p>1. <b>Typical Reception Areas (Rms 2020, 3020,4020, 5020, 6020)</b></p> <p>A,B,C,D are typical office elevations and are DIRTT. North and South walls are DIRTT.</p>

**ANSWERS TO OFFERORS QUESTIONS**

	<p>Only South wall is keyed with a demountable wall type tag.</p> <p>b. Please confirm south wall height at all Reception Areas: 9'-0" AFF or 11'-6". If there are additional demountable walls required in this area, please also confirm hgt.</p> <p>c. Electrical devices shown on south wall tagged as a full height demountable glass centerline wall. These devices cannot be accommodated. Please provide clarification. / relocation of electrical devices.</p> <p>d. 4A / A-672: GL-1 + GL-2 are not interior glazing types. Please provide correct GL types.</p> <p><b>2. A203 E + W</b></p> <p>a. No wall type tag between office 1060 + 1056. Please confirm type. (Demountable or Conventional construction)</p> <p>b. No wall type tag between office 1044 + 1052. Please confirm type. (Demountable or Conventional construction)</p> <p>c. Corridor 1003 (South wall) is keyed as conventional drywall construction. Elevation 1/A681 denotes demountable wall finishes. Please confirm wall type.</p> <p>d. Office 1044 (East wall) please confirm wall type.</p> <p><b>3. A205 E + W</b></p> <p>a. Conf 3052: Please confirm that east wall is an H1 designation as the diamond tag icon (is used)</p> <p>b. Rms 3072,3073,3076: Are the walls for these rooms DIRTT? No wall tags. Movable wall finished called</p>	<p>9'-0".</p> <p>Electrical devices to be relocated to adjacent solid walls.</p> <p>GL-1 should be GL-11 and GL-2 should be GL-12</p> <p><b>2. A203 E + W</b></p> <p>a. Conventional.</p> <p>b. Conventional.</p> <p>c. Conventional.</p> <p>d. Conventional.</p> <p><b>3. A205 E + W</b></p> <p>a. East wall is H1.</p> <p>b. DIRTT walls.</p>
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**ANSWERS TO OFFERORS QUESTIONS**

<p>out on elevation 2/A676</p> <p>c. Conf 3100: No wall tags are depicted for the south wall. Elevation 5/A674 depicts movable wall finishes. Please confirm wall types.</p> <p>4. <b>A206 E + W</b></p> <p>a. No wall type tag between office 4034 + 4038. Please confirm type. (Demountable or Conventional construction)</p> <p>5. <b>A207E + W</b></p> <p>a. No wall type tag between office 5038 + 5034. Please confirm type. (Demountable or Conventional construction)</p> <p>b. Open Area 5045, Break Room 5064, Forensic Imaging 5056: What is wall type of north wall(s). (Demountable or Conventional construction)</p> <p>6. <b>A208E + W</b></p> <p>a. No wall type tag between office 6038 + 6040. Please confirm type. (Demountable or Conventional construction)</p> <p>b. No wall type tag between office 6022 + 6026. Please confirm type. (Demountable or Conventional construction)</p> <p>7. <b>A308E + W</b></p> <p>a. Please confirm clg height at perimeter + open office areas where demountable walls are scheduled.</p> <p>b. Please confirm ceiling height at corridor 4004 at 9'-0" aff. Please confirm demountable wall heights in this area. No ceiling elevation shown @ dtl 14 / A651 (drywall bulkhead)</p>	<p>c. Demountable.</p> <p>4. <b>A206 E + W</b></p> <p>a. Demountable.</p> <p>4. <b>A207E + W</b></p> <p>a. Demountable.</p> <p>b. Conventional.</p> <p>6. <b>A208E + W</b></p> <p>a. Demountable.</p> <p>b. Demountable.</p> <p>7. <b>A308E + W</b></p> <p>a. Open office areas- 10'-6" ceiling height. Refer to the wall sections for ceiling heights at the perimeter, specifically A735 for the south curtain wall.</p> <p>b. Demountable wall height and ceiling height 9'-0".</p>
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**ANSWERS TO OFFERORS QUESTIONS**

<p>8. <b>Elevation 5 / A681</b>                  a. Please confirm that the GL-11 glass shown on the middle segment is correct and this should not instead be GL-12 Dew.</p> <p>9. <b>H2 wall types</b>                  a. There are several electrical devices indicated on H2 walls. The H2 wall has no ability to accommodate power or power distribution. Please provide clarification of wall type change or power device location changes at these areas. (typical)</p> <p>10. <b>DB-1</b>                  a. This base material designation (demountable wall base) is shown on several conventionally built wall types not in the scope of the demountable walls. Please confirm if demountable wall base should be priced to be installed on conventionally constructed wall types.</p> <p>11. <b>Floor Common Conference Rooms</b>                  a. Please confirm that there are no demountable walls at the floor common conference rooms between Column lines E/F + 10.5-12.3</p> <p>12. <b>Ceiling Heights:</b>                  a. Confirm that inboard office / admin side corridor at 2004, 4004, 6004 are 9'-0" AFF and therefore need 9'-0" high demountable walls. (example: Section 14/A651 has no ceiling elevations noted, nor can these be found on the RCP's for this area (level 6). If the demountable walls are 9'-0" along this inboard corridor, please also confirm the H1 tagged walls (between closets and rooms (typically) are to be a clerestory (and the height of the clerestory)</p>	<p>8. <b>Elevation 5 / A681</b>                  a. Should be changed to GL-12.</p> <p>9. <b>H2 wall types</b>                  a. Electrical devices to be relocated to adjacent solid walls.</p> <p>10. <b>DB-1</b>                  a. No.</p> <p>11. <b>Floor Common Conference Rooms</b>                  a. Confirmed.</p> <p>12. <b>Ceiling Heights:</b>                  a. Clerestory starts at 6'-0". See Elev. 3/A677 .                  b. Please provide additional information.                  c. Refer to the wall sections for ceiling heights at the perimeter, specifically A735 for the south curtain wall.                  d. Yes.</p>
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**ANSWERS TO OFFERORS QUESTIONS**

<p>b. (Should 11a be 9'-0" high ceiling), Please confirm that levels 3 + 5 (at these similar inboard corridor locations do not have the same ceiling height transition between the inboard corridor and the high ceiling area towards south perimeter wall.</p> <p>c. Please confirm that levels 2, 3, 4, 5 all have 11'-6" AFF high ceilings at perimeter. Sheet A924 Room Finish schedule indicates no ceiling hgts as generally noted on RCP's. RCP's by level are not adequately noted with AFF heights to confirm.</p> <p>d. Please confirm that level 6 has a 10'-6 AFF ceiling.</p> <p>13. <b>Seismic Requirements for Demountable Partitions</b>          (Proj Manual 10 22 19 / 1.3 / A2.)</p> <p>a. DIRTT offers a variety of seismic base shoe and top track connection methods in addition to our typical ceiling attachment. Presently the job is being bid using the standard attachment method.</p> <p>It is the responsibility of the architect to review manufacturer's method of attachment and determine if supplementary methods (clg Y bolts with cable to structure, (or) a full seismic measure including seismic base shoe attachments to floor are required given the performance criteria to resist lateral forces. (see attached DIRTT standard attachment detail + the additional seismic detail methods that are available.)</p> <p>Should any supplemental structural tie ins be required please confirm and indicate method of connection from the attached.</p> <p>14. <b>Electrical Device Scope coordination for Demountable Partitions.</b></p>	<p>13. <b>Seismic Requirements for Demountable Partitions</b> (Proj Manual 10 22 19 / 1.3 / A2.)</p> <p>a. It is the responsibility of the contractor to provide a system to resist lateral loads per section 1.3, including engineered structural analysis per 1.4 B.2.</p> <p>14. <b>Electrical Device Scope coordination for Demountable Partitions.</b></p>
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**ANSWERS TO OFFERORS QUESTIONS**

	<p>a. DIRTT provides level 3 power for <u>full height solid walls</u> where power is indicated. This includes a prewired wall with a pig tail (in ceiling) to a waiting junction box. This pig tail end extends 10' ft from the top of the panel frame. Connections are made by licensed electricians. (not Demountable wall installation team).</p> <p>b. DIRTT provides level 1 power for <u>solid + glass clerestory walls</u> where power is indicated. This includes an empty modular box with the trims. Since power cannot run vertical through the glass portion of the wall, the pathway then runs horizontal. DIRTT will provide a "pathway" through our frame verticals in the cavity of the wall. ALL cabling should be provided by electrical subcontractor from each outlet box to the junction box in the ceiling. Additionally all connections must be made by licensed electricians. (not Demountable wall installation team). See attached electrical level type descriptions.</p>	<p>a. No response required.</p> <p>b. No response required.</p>
151.	In the Room Schedule, specification section 132100, page 20 there is 200 CFM of ventilated air indicated for cold room #5063. Please indicate the wb/db (Temperature/Humidity) of this supply air.	Refer to revised Section 132100 (Environmental Room) issued as part of this Amendment (No. 07)
152.	In Amend. #5, detail 7/A792 shows 8" min. gravel layer, ¼" protection board, and it seems like this detail is referring to the mat slab. To which drawing does this detail refer? I don't see a mud mat as in the original drawings or a new corresponding structural drawing to change the mat slab. Please advise if this detail is for the mat slab.	Refer to revised drawings issued as part of this Amendment (No. 07)
153.	Please confirm that the electrical vaults will be Pepco approved precast vaults.	Yes
154.	Drawing A964, Door Sill Details shows concrete curbs that run under the door sills. To which drawings do these details refer? We can infer that they refer to level B2, but we want to make sure that we pick up each instance of these sills.	Concrete curbs shall be provided at all doors on the B1 and B2 levels where the adjacent wall has a CIP base, and at all doors to the roof.
155.	#1 – Are "thermal hanger shield inserts" required on the domestic cold water piping system? Per specification "220529-	#1 - Delete Para. 3.2 N.3.a in Specifications Section 220529.

**ANSWERS TO OFFERORS QUESTIONS**

<p>3.2-N-1-b", it states they are required on piping operating below ambient air temperature; but spec section "220529-3.2-N-3-a" states it's an option for cold piping. Please clarify!</p> <p>#2 – Are "spring hangers" actually required at each hanger on all natural gas, laboratory gases, laboratory vacuum and de-ionized water piping systems? Per specification section "220548-3.6-D" it seems they are; this is very unusual. Please verify this is the intention, because this adds a great deal of cost to the project!</p> <p>#3 - Are "spring hangers" actually required at each hanger on all storm sewers and drains, sanitary waste, vents, laboratory waste, laboratory vent, and infectious autopsy bio-hazard waste piping systems? Per specification section "220548-3.6-F" it seems they are; this is very unusual. Please verify this is the intention, because this adds a great deal of cost to the project!</p> <p>#4 – Is stainless steel jacketing required on all exposed piping or only on all exposed piping within 6 to 7 feet of the finished floor? Please refer to specification section "220700-3.16-F".</p> <p>#5 – Is a "standard weight cast iron" piping system acceptable for the sanitary waste piping underground for pipe sizes 4" and smaller? Per specification section "221316-3.1-F", they want an extra-heavy class type system on the cast iron piping. This adds some cost to the project and a standard weight cast iron system is common practice in the Washington, D.C. area for underground work.</p> <p>#6 – Is a "standard weight cast iron" piping system acceptable for the sanitary waste piping underground for pipe sizes 5" and larger? Per specification section "221316-3.1-G", they want an extra-heavy class type system on the cast iron piping. This adds some cost to the project and a standard weight cast iron system is common practice in the Washington, D.C. area for</p>	<p>#2 - Specifications Section 220548, para. 3.6.D shall be revised to read:</p> <p>"D. Piping for Laboratory Vacuum, R.O. Water, De-ionized Water, Cold Water, Hot Water Circulation, Protected Hot Water circulation, Tempered Water Circulation, Make-up Water within 30 feet (10 m) of pumps:</p> <ol style="list-style-type: none"> <li>1. Location: Levels B2, B1 &amp; Upper Penthouse Equipment Room.</li> <li>2. Isolator Type: Spring Hangers.</li> <li>3. Deflection: 3/4" (20 mm).</li> <li>4. Reference: Mason Industries 30N."</li> </ol> <p>#3 - Specifications Section 220548, Para. 3.6.F shall be revised to read:</p> <p style="padding-left: 40px;">"3.6.F. Forced Storm Sewer, Forced Sanitary Waste, Forced Laboratory Waste within 50 feet (17 m) of ejectors:</p> <ol style="list-style-type: none"> <li>1. Location: Levels B2 and B1.</li> <li>2. Isolator Type: Spring Hangers.</li> <li>3. Deflection: 3/4" (20 mm).</li> <li>4. Reference: Mason Industries 30N."</li> </ol> <p>#4 - Stainless steel jacketing is required on exposed piping below 9 feet in occupied spaces. Specifications Section 220700, Clause 3.16F shall be revised to read:</p> <p>"F. Piping exposed within 9 feet Above Floor in Finished Occupied Spaces: Stainless Steel, Type 304, smooth 2B Finish: 0.02 inch (0.51 mm) thick."</p> <p>#5 - No, not acceptable.</p> <p>#6 - No, not acceptable.</p> <p>#7 - No, not acceptable.</p> <p>#8 - No, not acceptable.</p>
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	<p>underground work.</p> <p>#7 – Is a “standard weight cast iron” piping system acceptable for the storm water piping underground for pipe sizes 6” and smaller? Per specification section “221413-3.1-D”, they want an extra-heavy class type system on the cast iron piping. This adds some cost to the project and a standard weight cast iron system is common practice in the Washington, D.C. area for underground work.</p> <p>#8 – Is a “standard weight cast iron” piping system acceptable for the storm water piping underground for pipe sizes 8” and larger? Per specification section “221316-3.1-E”, they want an extra-heavy class type system on the cast iron piping. This adds some cost to the project and a standard weight cast iron system is common practice in the Washington, D.C. area for underground work.</p>	
156.	<p>Reference: Lab Questions</p> <p>The general note on drawings QL457a &amp; b says that the “casework shown on this sheet to be provided as all stainless steel, including tops, base, and wall cabinets, UON.” Are there specifications available for the casework that is to be stainless steel? The metal lab casework spec. covers painted metal cabinets and not stainless steel.</p>	Refer to revised Specification Section 123553 – Metal Laboratory Casework in Amendment #7
157.	<p>1 - SUBJECT <u>Laboratory Vacuum Pump</u></p> <p>REFERENCE: <u>Drawing P-6.01 (Vacuum Pump Schedule) and Section 226219</u></p> <p>PROBLEM: The specifications list a requirement for 128 scfm @ 25” hg based on a 40 HP duplex liquid ring system. A 40 HP duplex liquid ring vacuum pump only has a scfm rating of 68 scfm per pump @25” hg. The second pump is the lag pump and is not counted towards the total flow requirements of the system. The specified vacuum pump will not meet the requirements as stated.</p>	<p>1. Drawing P-601, Schedule for Vacuum Equipment stipulates requirements for Laboratory Vacuum Plant. Liquid ring vacuum pump must be able to produce 128 scfm suction or 25”Hg suction with capacity peak of : 145 scfm at 19”Hg suction or 25”Hg suction at 68 scfm. Liquid ring vacuum pump with 40 hp motor, capacity at 128 scfm shall be at least 20”Hg suction.</p>

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<p>Q. It has been suggested that a triplex 40 HP or a quad 20 HP vacuum pump system be utilized. Please advise?</p> <p>2 - SUBJECT <u>Pipe Hanger Types</u> REFERENCE <u>Sections 230529, 232113 &amp; drawing H803</u></p> <p>PROBLEM: Per section 230529, para. 3.1, clevis hangers can be used for supporting of all stationary pipes and roller hangers must be used for all pipes subject to expansion &amp; contraction. Per section 232113, para. 3.4, clevis hangers can only be used for horiz. pipe runs less than 20 ft long and roller hangers must be used for all horiz. pipe runs 20 ft or longer. Per dwg. H803, detail 3M, clevis hangers can only be used for pipe sizes up to 3" and roller hangers for pipe sizes 4" &amp; larger. Please review &amp; clarify which piping systems can be supported with clevis hangers and which ones must be supported with roller hangers.</p> <p>3 - SUBJECT <u>Pipe Hangers Spacing</u> REFERENCE Sections 230529 &amp; 232113 PROBLEM: Per section 230529, para. 3.2, the maximum pipe hanger spacing for steel pipe sizes 4" thru 20" is 12 ft. Per section 232113, para. 3.4, the maximum spacing for steel pipe sizes 4" thru 20" is 14 ft thru 30 ft. Please review and advise which one is correct?</p> <p>4 - SUBJECT <u>Y Strainers</u> REFERENCE <u>Sections 232113 &amp; Dwg. H607</u></p> <p>PROBLEM: Per section 232113, para. 3.3 S, strainers are to be installed on the inlet side of each control valve. The flow diagram for the condenser water system on dwg.H607, does not show strainers for the control valves on the inlet &amp; outlet piping of the cooling towers.</p>	<p>2. For all piping systems heavy duty clevis hangers can be used of pipe sizes up to 3" and roller hangers for pipe sizes 4" and larger as indicated on detail 3M on drawing H803.</p> <p>3. For pipe hanger spacing and rod sizing use specification 23529.00</p> <p>4. Provide Strainers upstream of control valves as specified.</p>
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	<p>Q. Please review and issue a revised drawing and/or sketch if the strainers are required</p> <p>5 - SUBJECT <u>Control Valve Bypass</u>                  REFERENCE Sections 232113</p> <p>PROBLEM: Per section 232113, para. 3.7 C, a bypass with a globe valve is to be provided around the control valves at equipment connections. This work is not shown on any of the hook-up details on the drawings.</p> <p>Q. Please clarify which units connections require to have this bypass installed and whether it is a full size bypass and if not what is the minimum size required</p>	<p>5. Provide bypass around control valves only if indicated on terminal device piping details, otherwise by-pass is not required.</p>
158.	<p>Details 1&amp;3/A813, 1,2&amp;4/A824 and detail 2/A826 shows metal column covers facing the glass. Please provide metal type and finish</p>	<p>The column covers shall be painted steel. Color to match P-1 or adjacent wall finish.</p>
159.	<p>Please advise us if we should bid the following cost saving suggestions as voluntary alternates. Our base bid will be plans and specifications.</p> <p>Proposed Cost Saving VOLUNTARY ALTERNATES:</p> <ol style="list-style-type: none"> <li>1. Sills per detail 2/A771. Provided in solid piece in lieu of L-shaped piece.</li> <li>2. Lintel per detail 3/A771. Provided in solid piece in lieu of L-shaped piece.</li> <li>3. All epoxy miter similar to detail 7/A861. Provided in butt corners in lieu of epoxy miter.</li> <li>4. Provided L-Shape Corner per detail 5/A861</li> </ol>	<p>Bid per plans and specifications. Voluntary alternates are not accepted.</p>
160.	<p>Reference: Bid Forms</p> <p>Paragraph B.6 of the solicitation states "lump sum price shall be inclusive of all the deductive alternates listed in Section B.8". Section B.7 price breakdown form does not provide for the deduct alternates to be included in the Lump Sum</p>	<p>No revisions required to the bid forms. There is no contradiction between forms in Sections B.6, B.7 and B.8 of the Solicitation.</p> <p>In Section B.6, the Offeror shall state their lump sum bid price for all work included in the Contract Documents. This base bid lump sump price shall include allowances and all items in the deduct alternates table (1-10). In Section B.7 the Offeror shall break down their base bid lump sum price as</p>

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	Proposal Price at the bottom of the matrix. Section B.8 indicates that the deductive alternates will be deducted from the lump sum price in B.6. Please clarify these contradictions in the price proposal form and reissue the document with appropriate corrections.	requested per Division and including the two Allowances. B.6 and B.7 pricing shall match.  In Section B.8 the Offeror shall provide their deductive price of each deductive alternate from the Scope of Work of the project in the event the District decides to eliminate any of the deduct alternates on the list. This list/table does not need to be totaled. Eliminating any deductive alternates shall be requested by the District via a BAFO. Offeror's shall deduct from the lump sum price in B.6 the price for each deductive alternate selected in such BAFO and Offerors will be asked to resubmit a revised Section B.6 pricing. Refer to Section B.8 language.
161.	Sheet A824, Details 2 and 4 reference and anodized aluminum outrigger supports for the fritted/ laminated glass operable louvers. The detail calls out Sheet A785 for information on the outrigger. Sheet A785 does not exist. Please provide Sheet A785 or details on this outrigger.	Revise reference on Sheet A824 to call out Sheet A735 (instead of A785). Refer to section on sheet A735 for outrigger profile.
162.	Elevation shows glass type GL-7 for the exterior windows at the security office, this type is not listed in section 088000. Security glazing section 088853 list 3 types of security glazing. Please clarify the correct type of glass to be use.	The glass type for the exterior windows at the security office (shown as GL-7 on the elevations) shall be Type SG-2 as described in the specifications.
163.	Reference: Furniture  1. On page 7 of the furniture list, please confirm that Room 2080 is not Room 2060. 2. On page 8 of the furniture list, Room 2205 is listed, but on the drawings it is identified as Room 2265. Which room number is correct? 3. Room 3007 on page 9 of the furniture list is indicated as Room 3270 on the drawings. Which room number is correct? 4. Since room 3007 is listed on page 9 and room 3270 is listed on page 13 of the furniture list schedule, and the drawings show it as room 3270 is this duplicate or are there two separate rooms? If so, what furniture is needed for these rooms? 5. On page 14 of the furniture list, room 4028 is identified as a File Room, on the drawings Room 4028 is identified as a Records Room, we assume they are one and the same.	1. Room #2080 (page 8) in not Room #2060. 2. Room #2205 Firearms Waiting and Receiving (page 8) is identified on the furniture drawing as Room #2205. 3. Room #3007 PCR SET-UP (page 10) is identified in the furniture drawing and is the correct room number. 4. Change Room #3270 to Room #3237 "PCR SET-UP". There are (2) rooms with identical title (Room #3007 and Room #3237). 5. Room #4028 (page 17) are one and the same. 6. Room #4040 (page 18) is identified as "Meeting Room", as per drawing. Offerors to include four (4) L1's as indicated on the furniture list for this room. 7. Room #4020 is on the drawings as Reception. On page (21) change Room #4020 to #5020 Reception.

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<p>6. On page 15 of the furniture list, room 4040 is identified as a File Room; on the drawings it is identified as a Meeting Room, which one is correct? This makes a difference on what type of furniture is to be priced for this room.</p> <p>7. Room 4020 is shown on the furniture list as a Reception, but it is identified as Room 5020 on the drawings, which number is correct? Note: there is no room 5020 on the furniture list.</p> <p>8. On page 21, Room 5136 Control Room is listed twice, is this duplicate?</p> <p>9. Rooms 1058, 1259 and 2220 Exam 13 are on the furniture list, but not on the drawings, please advise?</p> <p>10. The following rooms are not on the furniture list, they may be mostly labs, but we want to confirm that there is no furniture required for these rooms.</p> <p>1007 Blue Card Office              1241 Conference Rm              1041 Open Office              1043 Fitness Ctr              1192 Secure Work Rm              1229 Supply              1246 Corridor              1044 Receiving              1161 Isolated Dry Rm              1160 Supply Storage              1154 Large Item Storage              1137 Process Rm              1136 MPD Receive              2170 Photo Storage              2152 Dark Rm              2156 Change Rm              2161 Photo Studio              2169 AI's Rm              2063 AFIS Computer Station              2055 Firearms Receive              2154 Light Tight Rm</p>	<p>8. Delete the duplicate entry #5136-Control Room.</p> <p>9. Room #1058 is not on the furniture list or drawings. Room #1259- Area revised omit information from furniture specification.</p> <p>10. Offeror is responsible to verify furniture type and quantities for the rooms listed on the table per the question. Please note the following corrections and furnish furniture accordingly:</p> <p>a) Room #1044 is an "Office". See furniture specification              b) Room #2205 is "Firearms Waiting &amp; Receiving" as identified on the furniture drawings and specification              c) Room #2220/Exam 13 is identified as "Examiner Stations" as on the furniture drawings and furniture specification.              d) Room #3276 is "PCR Instrument". See item # 4 above for more information</p>
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2039	Latent Print File Storage	
2047	Bullet Recovery	
2238	Examiner Stations	
2274	SAF Rm	
2277	Firearms Expansion Lab	
3126	Crime Scene Reconstruction	
3196	Amplification	
3194	Extraction	
3170	Scanning Electric Microscope Rm	
3189	Data Input	
3197	Airlock	
3199	IT Server Rm	
3276	PCR Instrument	
3260	Biovestibule	
3237	PCR Setup	
3218	Biovestibule	
4206	Extraction	
4208	Myco Prep	
4207	Airlock	
4202	D3G Gowm in	
4044	Meeting Rm	
4217	Supply Equip Storage	
4242	Glass Wash	
4248	Equip Access	
4190	Ante Rm	
4196	Ante Rm	
4146	Specimen Holding	
4152	PHL Receiving	
4164	Waste Decontamination Rm	
4063	Punching Rm	
4158	Scope Rm	
4170	Equip Access	
4184	Ante Rm	
5249	Drug Standards	
5202	Airlock	
5208	Prep Area	

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	5225 Specimen Storage 5230 Lab Supply Storage 5235 Lab Supply Storage 5171 Dirty Cart Stage Wash 5148 Personal Effects 5106 OCME Training 6122 ATS Rm 6123 ATS Equip Rm	
164.	The drawings call out five large break rooms that include appliances. They also call out one small break Room 5064 and it does not show any appliances for this room. Please confirm that now appliances are to be priced for the small break room 5064.	Breakroom 5064 does not get appliances.
165.	<p><b>Subject:</b> Fuel Oil Piping  <b>Reference:</b> Sections 231113 and drawing H611</p> <p><b>Question:</b>                  Clarity is needed in the documents regarding interior fuel oil lines. Specification section 231113 paragraph 3.19 indicates that double wall containment piping is to be used for all outdoors piping and that black steel with threaded or welded joints is to be used for above ground indoors piping installations. However the flow diagram for the fuel oil distribution on drawing H611 indicates that double wall containment piping is to be used for above ground indoor installations. Please review and clarify.</p>	Double wall containment pipe shall be used on indoor application as indicated on the flow diagram. The basic specification for both the underground and above ground piping is the same. The materials used for the carrier pipe would dictate if a pipe coating as indicated in the specification is required on the outside buried piping. If the carrier pipe material is capable of above or below ground us such as Perma-Pipe Type-FS no coating would be required. Each of the manufacturers listed provides a non-metallic carrier pipe which can be used both above and below grade.

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<p>166.</p>	<p><b>Subject:</b> Compressed Air Discrepancies <b>Reference:</b> Drawings P-451a, P-451b and P-504</p> <p><b>Question:</b> There are seven drops shown on drawing P-451b for compressed air on level B2. There are only 5 drops shown on riser drawing P-504. Which drawing is correct? There are symbols for diaphragm valves shown on drawing P-504 but not shown on drawings P-451a-b. Should these be shut-off ball valves? On drawing P-451a there is one in-line pressure reducing valve shown and there is a pressure reducing valve shown on drawing P-451b. On compressed air riser drawing P-504 there is only one pressure reducing valve shown. Which drawing is correct? Please review and provide revised drawing or sketch.</p>	<p>Refer to revised plumbing drawings issued as part of this Amendment (No. 07)</p> <ol style="list-style-type: none"> <li>1. There are seven drops as indicated on Drawing P-451b. Drawing P-504 is revised to indicate two additional drops in Room B2063 for total of seven (7) drops.</li> <li>2. Diaphragm valves are required as shown on Drawing P-504.</li> <li>3. Drawing P-451b is revised to delete secondary pressure reducing valve in air line serving hose reel near Column Lines 5B.5</li> </ol>
<p>167.</p>	<p><b>Subject:</b> Tempered Water <b>Reference:</b> Drawings P-512, P-451b and P-901</p> <p><b>Question:</b> On drawing P-512 tempered water riser there are four 1/2" supply lines and four 1/2" return lines dropping down to EW's (eye wash's) for level B2. On drawing P-451b the return line ties into the supply in the ceiling with only one supply line dropping down to each EW. This is also shown on detail #2 on drawing P-901 as one line down to EW. Which drawing is correct? There is also two EWFWE-1's shown on drawing P-512 level B2. These are not shown on the level B2 drawings. Please provide location of EWFWE-1's on B2 level.</p>	<p>Drawings P-451b and P-901 are correct, only one TW line passes through wall to serve fixture. Drawing P-512 indicates circulation connection upstream each fixture; generally this connection occurs above ceiling at an accessible location to facilitate maintenance.</p> <p>Drawing P-451d shows two EWFWE-1 near Column Lines F2 and G1.6</p>
<p>168.</p>	<p><b>Subject:</b> Sanitary Piping <b>Reference:</b> Division 220000</p> <p><b>Question:</b> Is 'no-hub' cast iron pipe and fittings with heavy duty shields acceptable for above ground sanitary pipe and fittings? The specifications call for cast iron hub and spigot pipe and fittings.</p>	<p>Affirmative. "No-hub cast iron" piping system with mechanical couplings is acceptable for sanitary waste piping above ground. Specifications Section 221316 Para. 3.1 shall be revised as follow:</p> <p>Insert the following to Section 221316-3.1:</p> <ol style="list-style-type: none"> <li>a. 221316-3.1.B.5: Service Class, cast-iron soil pipe and fittings; ASTM C 1277 and CISPI 310 stainless- steel bands and tightening devices; and ASTM C564, rubber sleeve with integral, center pipe stop. Cast-iron, Hubless-Pipe Couplings ASTM C 1277 two-piece ASTM A 48/A 48M, cast-iron housing; stainless-steel bolts and nuts.</li> </ol>

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		<p>b. 221316-3.1.C.3: Service Class, cast-iron soil pipe and fittings; ASTM C 1277 and CISPI 310 stainless- steel corrugated shield with stainless steel bands and tightening devices; and ASTM C564, rubber sleeve with integral, center pipe stop. Cast-iron, Hubless-Pipe Couplings ASTM C 1277 two-piece ASTM A 48/A 48M, cast-iron housing; stainless-steel bolts and nuts.</p>
169.	<p><b>Reference:</b> P-Traps</p> <p><b>Question:</b> Are all p-traps for floor drains to be deep seal? Or only as indicated on the drawings?</p>	<p>Drawing P-451a indicates Floor Drains in Equipment Room B2124 to be installed with P-traps.</p> <p>SFD 1.1 (Drawing P-451a) has neither deep-seal trap nor priming trap.</p> <p>Drawing P-451d indicates Floor Drains in Equipment Room B2102 to have priming traps</p> <p>Drawing P-451a is revised to show Deep-seal traps for Trench Drains near Column Lines 4D, 5D and 5E.</p> <p>Traps for other Floor Drains and Trench Drains throughout are as indicated on Drawings.</p>
170.	<p><b>Subject:</b> Trap primers/Drains <b>Reference:</b></p> <p><b>Question:</b> Are all floor drains to have trap primer lines to them? On the drawings only drains with regular p-traps have trap primer lines shown to them. Or do all traps regular and deep seal get trap primer lines?</p>	<ol style="list-style-type: none"> <li>1. Drawing P-451a indicates Floor Drains in Equipment Room B2124 to be installed with P-traps.</li> <li>2. SFD 1.1 (Drawing P-451a) has neither deep-seal trap nor priming trap.</li> <li>3. Drawing P-451d indicates Floor Drains in Equipment Room B2102 to have priming traps</li> <li>4. Drawing P-451a is revised to show Deep-seal traps for Trench Drains near Column Lines 4D, 5D and 5E.</li> <li>5. Traps for other Floor Drains and Trench Drains throughout are as indicated on Drawings.</li> </ol>
171.	<p><b>Subject:</b> Underground Trap Primer Line PVC Encasement <b>Reference:</b> Drawings P-451a, P-451b B2-Level</p> <p><b>Question:</b> On B2-level drawings the trap primer lines have a note and show pvc pipe encasement for trap primer lines. Is this correct? Specifications only call for underground copper to be wrapped with "P.E." film. Which method is correct?</p>	<p>Trap priming lines under Level B2 are insulated and pass through PVC sleeve buried in concrete as indicated on Drawings P-451.</p>

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172.	Section 024116 paragraph 1.5.E refers to "other specifications for requirements for on construction waste and recycling". Section 017149 paragraph 1.3.A does not list "demolition debris" in the definition of construction waste. Please clarify if the demolition debris created from the demolition of the 1D MPD building is intended to be included as part of the LEED requirements for the project.	Demolition Waste shall be considered Construction Waste and shall be included as a part of the LEED requirements for the project. Off-site waste segregation is allowed with proper LEED documentations and certifications.
173.	Specification section 132100 gives six available manufacturers. We recognize these as a basis of design and that other manufacturers are acceptable on an "or equal basis." Can the attached manufacture (CAN-Trol Environmental System) be added to your specification under available manufacturers? See attached substitution request.	No, use listed manufactures only
174.	<p>Previously highlighted in RFI 43 Two bidders for the electric traction elevators and the hydraulic direct lift elevator remained that were in the specification as acceptable and no substitutions were allowed. The manufacturers included ThyssenKrupp Elevator Company and Schindler Corporation. One of these subcontractors has refused to bid due to the custom platform sizes, counterweight and safety requirements, and the interior finishes being designed around forms and surfaces. Therefore, the elevator specifications as written are not allowing for competitive pricing. Only one specified vendor for the Traction and Hydraulic elevators remains and Gillespie will only bid the Vehicle elevator.</p> <p>Is an "or equal" acceptable for the elevator package?</p>	Refer to Question #102 in Amendment #6 for list of approved elevator manufacturers.
175.	<p><b>Question:</b>                  Specification section 232113 paragraph 3.7 C indicates a bypass with a globe is to be provided around the control valves at equipment connections. However this work is not shown on any of the hook-up details on the drawings. Please clarify which units connections require to have this bypass installed and whether it is a full size bypass. And if not, what is the minimum size required.</p>	Provide bypass around control valves only if indicated on terminal device piping details, otherwise bypass is not required.

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176.	<p><b>Subject:</b> Domestic Water Pressure-Reducing Valves <b>Reference:</b> Specification Section 221119-7 2.3 A</p> <p><u><b>Question:</b></u> Specifications section 221119 page 7 2.3-A calls for the domestic water pressure reducing valves to have stainless steel body. Are bronze and cast iron body PRV's acceptable for use?</p>	<p>Substitution is acceptable only if manufacturer can submit Certificate of Compliance with NSF 61 as stipulated in Specifications Section 221119- 2.3.A.2.</p>
177.	<p><b>Subject:</b> Filter Housing Service <b>REFERENCE:</b> Control Drawing H919 Isolated Autopsy system</p> <p>PROBLEM: H919 is the Isolated Autopsy system which is a dedicated system shown on plan view 408b and is served by fans 3.1 and 3.2. How do you service the filter system without shutting down the system? It only has a single filter system that can be shut down for service we presume. H916 is the BSL 3 system controls and DOES show the multiple damper arrangements (also shown on plan view 408b).</p> <p>Please advise regarding these filter changes which need the system to be shut down for servicing.</p>	<p>The Isolated Autopsy system will be shut down when filter service is required.</p>
178.	<p><b>Subject:</b> Forced Main Piping <b>Reference:</b> Plumbing Specifications</p> <p><u><b>Question:</b></u> The sanitary and storm specifications for the forced main piping call for copper L pipe with solder joints. Is the use of galvanized schedule 40 pipe with threaded and grooved joints acceptable for forced main piping?</p>	<p>No, not acceptable.</p>
179.	<p><b>Subject:</b> Material for bio-hazard waste and vent piping. <b>Reference:</b> Plumbing Drawings &amp; Specifications</p> <p><u><b>Question:</b></u></p>	<p>No, vent piping for bio-hazard waste is not double containment, it is single wall.</p>

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	According to the specifications the bio-hazard waste is to be double containment piping for waste piping. Is the vent piping from the bio-hazard waste piping to be double containment as well all the way up through the roof?	
180.	Detail 5 on A862 – column detail corner protection. We presume these would occur at columns in the parking areas. Please advise if all columns will receive this or only the ones in the drive aisle.	Corner guard detail #5 on A862 is required for all drive aisle columns and columns on the B1 level, that have mechanical ducts adjacent to them.
181.	<b>Subject:</b> Environmental Rooms <b>Reference:</b> Specification Section 132100, Part 2 Article 2.1 "Manufacturers"  <b>Question:</b> Attached for your consideration is the "Substitute Request Form" from specification section 012500 being submitted to request that Can-Trol Environmental Systems be listed as an approved manufacturer of Environmental Rooms? Included with the form is product information and references.	No. No substitutions allowed for this Section
182.	Reference: Multiple Concrete Questions  1. Ref S204W TB03 spans from 3 line towards 2 line but there is no support at 2 line. Pls clarify. 2. Ref S204E TB12 from E12 to E13 notes 24x27 but beam schedule notes that TB12 is 24x24 3. Ref S203E 1B09 is noted at E-10 to F-10 but isn't drawn. Should it be there? 4. Ref S203E The plaza south of G line is patterned to indicate "rigid insulation and topping slab". Detail C-S706 calls out "rigid insulation or compacted fill." Is compacted fill acceptable and if so can gravel be used? 5. Details G,H, J and K on S713 note that the "Pour strip Must be poured after adjacent slab reached f'c=5000psi conc. strength" but A on S305 says that the pour strip will not be poured less than 30 days after initial slab pour. Which is correct? 6. Please confirm the following beams are not used: RAMP-B01	1. Beam will be framed in Drp panel. 2. Beam TB12 is change to 24x27 in Beam Schedule. 3. 1B09 is deleted from plan. Refer to revised structural drawings included as part of this Amendment (No. 07). 4. Compacted fill is acceptable. Gravel should not be used for Compacted fill. 5. Pour strip will not be poured less than 30 days after initial adjacent slab pour. 6. All listed Beam marks are not used. 7. Refer to revised structural drawings included as part of this Amendment (No. 07). All Columns in questions are coordinated. 8. Column F.2-13 should read F.3-13. 9. Refer to revised structural drawing S204E included as part of this Amendment (No. 07).

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	<p>TB11                  TB17                  6B01 THRU 6B04                  6B07                  RB08</p> <p>7. Please confirm that columns B.6-12 from Level 6/ Lower Penthouse to Upper Roof and B.6-1, D-1, D-2, E-2, E-3 from Upper Penthouse to Upper Roof should be included on the column schedule.</p> <p>8. Ref S503 Please confirm that column F.2-13 should read F.3-13.</p> <p>9. Ref S204E &amp; J on S712. Detail J says slab + drop but the drop isn't drawn on plan. Please clarify.</p> <p>10. DWGs S201E, S201W, S202E, S202W, S203E, S203W, etc. show core walls. Please provide details for these walls.</p>	<p>10. Core wall details are shown on S601,S602,S603,S604 &amp; S605.</p>
<p>183.</p>	<p>Reference: Lab Equipment</p> <ol style="list-style-type: none"> <li>1. Some of the island bench elevations on page QL100 show front lips on the metal shelves. The description clearly states rear lips. Which is correct?</li> <li>2. Page QL904 / detail 5 – Please confirm whether or not that is a suspended light or an overhead service carrier. Either way, we will need more information regarding how the OHSC will tie into the strut support structure. Also, is there any more information regarding the strut support structure itself?</li> <li>3. Page QL907 / detail 1 &amp; 3 - Are there any details that show how the strut OHSC ties into the support mounted to the deck?</li> <li>4. It appears that every OHSC location also has snorkel exhaust arms. Should we refer to detail 5 / QL904 and disregard details 1 &amp; 3 / QL907 with regards to the support structures?</li> </ol>	<ol style="list-style-type: none"> <li>1. There should be no front lip shown in detail 9 on QL100. Only the back lip should be provided as specified. All shelving should be as shown in detail 8.</li> <li>2. The details 4, 5 &amp; 6 are typical details for 'trapezing' around above ceiling structures. They do not depict the actual carriers being designed for this project. Those details show on QL 907</li> <li>3. The structural support tie-in should be provided from standard unistrut items. Unistrut base plates can be mechanically fastened to plates of the suspended structure as shown in details 1 &amp; 3 on QL 907.</li> <li>4. There is no link between the OHSC and the snorkel exhaust. The details show how the desired connections for the two independent units should be supported from the deck.</li> </ol>

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184.	Neither the Civil or Electrical drawings indicate the Conduit routing for the site light poles. Please provide.	Refer to revised Civil and Electrical drawings issued as part of this Amendment (No. 07)
185.	Floor plan drawings showing side coiling fire shutter at level 2-6, runs continuous on a 90 degree angle track. Please confirm if this is correct or is the track on a radius? If so, provide radius required for the track.	The fire shutter tracks shall have a 12" to 18" radius, as required, for operation.
186.	Dwg E407A along column lines C-B6/2-3 indicates a trench for future wireway and to refer to Dwg E401E notes 11 & 12 for work in these area's. Dwg E401E Power Notes 11 and 12 indicate there is X-Ray, MRI, and CT Scanner equipment requiring conduit, back boxes interconnection etc... however after reviewing the QL series drawings there is no information or indication of any in floor conduits or trench duct required, in addition, Dwg QL457a along column lines C-B6/2-3 indicates "equipment shown for future placement NIC". Please advise if any rough-ins are required for these area's.	This equipment is to be furnished and installed by the District. At this point, the equipment has not been selected, so specific equipment requirements or the desired equipment can't be provided at this time. The floors in Rooms 5134 and 5136 shall be recessed 4" until further trench requirements are given and then in-filled with concrete and with the desired wire-way 'trenched' to the proper location.
187.	References made to spec section 280000 sections 1.4.F and 2.4.C. Please clarify the intention that all security equipment will be fed from the building UPS power system and that local rack mounted UPS units will not be required.	The security system is on emergency power, therefore small UPS units are shown with the security system to bridge the transition to the generator.
188.	<b>Subject:</b> Ceiling Mounted & Wireless Telecom Drops. <b>Reference:</b> Drawing T0.0.01.  <b>Question:</b> The legend on drawing #T0.0.01 in Volume 7 shows symbols for wireless data, ceiling mounted wireless data and ceiling mounted data locations, but none are shown in these drawings. Will there be any ceiling mounted or wireless telecom drops installed in the building?	There are no wireless or ceiling mounted data outlets scheduled to be installed. Delete reference to both
189.	Substitution Request – Sigma Laboratory Casework	Substitution Request is not approved.
190.	<b>SUBJECT: Door Jamb Guards</b> <b>REFERENCE: A862</b>  <b>PROBLEM:</b> On drawing A862, details 3 and 6, it seems to indicate that the door jamb guards are located at the	The door jamb guards are required at elevator doors for elevators 01, 02, 03 & 07 on all floors and all doors.

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	elevators. However, when I look at the enlarged drawings of the elevators, it does not show any door jamb guards. Please advise as to the specific locations of the door jamb guards.	
191.	<p><b>SUBJECT: Corner Guards</b> <b>REFERENCE: QL455b, QL456a</b></p> <p>PROBLEM: On drawings QL455b and QL456a, the pages show specific locations of corner guards CG-3. However, there is no description regarding details of this type of corner guard on either the drawings or specifications. Please provide detailed information regarding the corner guard type CG-3.</p>	CG-3 does not exist. All references to CG-3 shall be corrected as CG-2
192.	<p>#1 – Please provide a basis of design and give a model number for the “<b>Sprinkler Fast Drain Receptor</b>” as schedule on drawing “P-603”? Also, please provide a written specification for this item.</p> <p>#2 – Please indicate which piping on the drawings is “<b>Pure Water</b>”? There is a specification section “226700” called “Pure Water for Laboratory”.</p> <p>#3 – Please provide a written specification for the “<b>Protected Water</b>” piping as shown on the drawings?</p> <p>#4 – Please provide a written specification for the “<b>Tempered Water</b>” piping as shown on the drawings?</p> <p>#5 – Per specification section “230900-2.10-B-11”, please provide a named manufacturer for the electric actuators?</p> <p>#6 - Per specification section “230900-2.10-B-11”, everything is conventional about the electric actuator specification except that the run times are inappropriately fast for these otherwise conventional actuators. If high speeds are required, please specify if so? May industry standard actuators with 90 second</p>	<p>#1 - Sprinkler Fast Drain Receptor SFD is 36”Long X36”Wide pit in concrete Floor of Level B2 as indicated on Structural Drawing S-101W. This pit shall be complete with ADA grating as stipulated in Drain Schedule on Drawing P-603 and bottom Floor Drain FD-11 as expressed in Drain Schedule on Drawing P-603.</p> <p>#2 - Pure Water Piping Specifications Section 226700 is for pure water piping in laboratories. Application of this piping is expressed in Specifications Section 226700, Clauses 3.2 and 3.3</p> <p>#3 - Specifications Section 221116, Para 3.19.F shall be revised to incorporate the following: “F. Piping inside building: 1. Cold water, Hot water, Hot water circulation, Protected water, Protected hot water, Protected hot water circulation, Tempered water, Tempered water return: a. Hard copper pipe, ASTM B 88, Type L; NSF 61 certified copper, solder-joint fittings and brazed joints. 2. Make-up water and Trap priming water: a. Hard copper pipe, ASTM B 88, Type L; copper solder-joint fitting and brazed joints.”</p> <p>#4 - Same as Response #3 above</p> <p>#5 - Provide actuators to meet the specification not specific manufacturer required.</p> <p>#6 - The actuators are specified as fast acting, price accordingly. May be possible to VE some to</p>

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	<p>run times be used?</p> <p>#7 – The isolation dampers shown on riser <b>drawing “H-604”</b> and the plan views are not shown on the control drawing “H-911”. Please reconcile and if needed, provide sequence and dimensions.</p> <p>#8 – Please describe how the <b>two end switches on dampers</b>, thus indicated are intended to be installed? Are the two end switches to be installed on the damper blades or the shaft? Is one switch on the actuator an internal end switch and the other on the damper shaft or blade? How is this accomplished for dampers inside the contaminated or BSL exhaust streams?</p> <p>#9 – Are high performance butterfly valves required for all chilled water, processed chilled water and supplemental chilled water shut-off valves 2-1/2" and larger? <b>Per specification “230523-3.5-B”</b>, they list both standard and high performance type.</p> <p>#10 – Are high performance butterfly valves required for all condenser water shut-off valves 2-1/2" and larger? <b>Per specification “230523-3.6-B”</b>, they list both standard and high performance type.</p>	<p>conventional speed, contactor could provide deduct alternate. Fast acting would be required for all VAV labs, Labs with fume hoods, All BSL-3 areas and Isolated Autopsy area.</p> <p>#7 - Dampers on intakes should be provided (approx 5'x14' per floor). Only one isolation damper required in run-out to atrium make-up duct (64x30 damper shown on H914). Intake dampers are open whenever system is operating. Atrium make-up damper opens only when Atrium smoke system is activated. Garage supply and exhaust boxes will go to minimum flow whenever the Atrium smoke exhaust is activated.</p> <p>#8 - End switches on BSL-3 exhaust dampers would be located on the shaft, outside the airstream. One switch internal to actuator would be acceptable, other on damper shaft.</p> <p>#9 - Per construction drawings no piping systems shall operate above 150 PSI, therefore high performance valves are not required.</p> <p>#10 - Per construction drawings no piping systems shall operate above 150 PSI, therefore high performance valves are not required.</p>
193.	See attached substitution request form from Waltek Company for section 086310 and 089250. Please advice.	Not approved, did not provide all required information
194.	<p>Reference: Electrical wiring requirements for operable Glass Sun Screen</p> <p>Electrical drawings E409D, E409E &amp; E 409F shows the motors, power and junction box for the Glass Sun Shade located on the upper penthouse. It also does not locate the sub-panels, main control panels and location of weather station on the roof. Attach is the wiring schematic provided by Colt for the Consolidated Forensic Laboratory. The information requires sub-panel on each floor and connection to the main</p>	<p>The following changes shall govern:</p> <ol style="list-style-type: none"> <li>1. Delete all the 208V-3P feeders and disconnect switches shown along the parapet on E409D, E409E and E409F. The 20A-3P circuit breakers in M2PHE and M2PHW to remain.</li> <li>2. Louver subpanels 2.0, 3.0, 4.0, 5.0 and 6.0 to be located above accessible ceiling on respective floor near line 5.</li> <li>3. Provide three (3), 50A-1P circuit breakers in M2PHE to serve louver subpanels 6.0, 5.0 &amp; 4.0. Each sub-panel shall be circuited with dedicated 2#6AWG, 1#10GND 3/4"C circuit.</li> <li>4. Provide two (2), 50A-1P circuit breakers in M2PHW to serve louver subpanels 3.0 &amp; 2.0. Each sub-panel shall be circuited with dedicated 2#6AWG, 1#10GND 3/4"C circuit.</li> </ol>

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	<p>control panel. Please provide wiring information, location of sub panel &amp; main control panel and location of weather station.</p>	<ol style="list-style-type: none"> <li>5. Louver Main Control Panel to be located in the Penthouse adjacent to Stair 01. Provide a 20A-1P branch circuit connection from P2PHW to the Main Control Panel.</li> <li>6. Furnish and install a voice/data outlet for the Louver system Main Control Panel in the penthouse.</li> <li>7. Louver installer shall provide their manual over-ride switches and maintenance switch on each floor (2-6).</li> <li>8. Louver installer shall provide all raceway and wire from sub-panels to actuator and between all sub-panels. This includes all penetrations.</li> <li>9. Louver installer shall provide all raceway and wiring from their weather station to the Main Control Panel.</li> </ol> <p>All controls shall be BACNet complaint</p>
<p>195.</p>	<p>Hydro Service and Supplies, Inc. respectfully submits the following questions regarding the District of Columbia Consolidated Forensics Laboratory project and the Deionized Water System specified in Section 223110 dated September 19, 2008.</p> <p>The flow diagram references a pre-filter and post filter but neither is specified. Should these components be included with our bid?</p> <p>What is the intended makeup flow rate of the system and what is the intended distribution flow rate?</p> <p>What is the daily usage and in how many hours will that be?</p> <p>The flow diagram references 0.4 micron resin trap filters but these filters are not in the specification. Should these filters be included and if so, will a specification be provided?</p>	<ol style="list-style-type: none"> <li>1. Refer to revised specification Section 223110 issued as part of this Amendment (NO.07)</li> <li>2. Please refer to Drawing P-503, Water Purification Equipment Schedule.</li> <li>3. Please refer to Drawing P-503, Water Purification Equipment Schedule.</li> <li>4. Refer to revised specification Section 223110 issued as part of this Amendment (NO.07)</li> </ol>
<p>196.</p>	<p>A subcontractor suggested using a Material Openness Factor of 5% or 3% because a 10% openness factor is too transparent.</p> <p>For the shade band material - light filtering (WSH-2), can the basis-of-design product be switched to a MechoShade Systems, Inc; ThermoVeil 5300 Series, 5% openness factor, or a MechoShade Systems, Inc; ThermoVeil 6000 Series, 3% openness factor, instead of the ThermoVeil 2100 Series, 10%</p>	<p>Revise the shade band fabric selection to 5% openness factor.</p>

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	<p>openness factor, that is specified?</p> <p>Specification Section 122413 Roller Window Shades                  Part 2 - Products                  2.2 Roller Shades                  B. Shade Band Material- Light-Filtering (WSH-2)                  4. Material Openness Factor: Approximately 10%</p> <p>7. Basis-of-Design Product: MechoShade Systems, Inc; ThermoVeil 2100 Series Open</p>	
197.	<p>The arrows identify the same material on the vertical concrete walls as "1/2" plywood exterior grade" and also as "1/2" drainage board w/ filter fabric". Which is correct?</p>	<p>The drainage membrane shall be installed over the excavation support. The plywood shall be installed over the drainage membrane.</p>
198.	<p>We are requesting that the requirement for an AISC certified fabricator be waived or modified. There is only one miscellaneous iron shop in this area that is AISC certified. In lieu of this certification, will having a third party inspection service at the Contractor's expense be acceptable?</p>	<p>Waiver request is not approved. There are numerous AISC listed fabricators in the area.</p>
199.	<p>Reference: Amendment 06, Q.# 137 (Permitting)</p> <p>Please provide the name and contact information for the permit expeditor that the District is currently utilizing to assist with the building and raze permits.</p>	<p>The District is currently utilizing the following Permit Expediter</p> <p>Aqualink Business, Realty &amp; Professional Services, LLC                  Mr. Maurice Evans  <a href="mailto:mauriceaqualink@comcast.net">mauriceaqualink@comcast.net</a>                  Office 202-506-7903</p>
200.	<p>Reference:.....Chillers - Substitution Request</p> <p>Use McQuay Chiller as an acceptable substitution?</p>	<p>The substitution request is not approved. Use any of the 4 listed manufacturers.</p>
201.	<p>Reference: Multiple RFI's (RFI numbers corresponds to the Offeror's question)</p> <p>RFI #54 – Is "Victor" an acceptable manufacturer for the gas manifolds and gas alarm panels?</p> <p>RFI #55 – Is an electric heat trace temperature maintenance</p>	<p>RFI #54 – Manufacturers whose products are fabricated to Standards stipulated in, comply with and conform to Specifications Section 22313 are included, as expressed in Specifications SECTION 226313, "GAS PIPING FOR LABORATORY FACILITIES" Para. 2.10A and 2.10F that read: "Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to:"</p> <p>RFI #55 – No, not required. Specifications Section 220533 is revised to delete Para. 3.2 A.</p>

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	<p>system required for the protected hot water piping system?                  Per specification section "220533-3.2-A" it is required for domestic hot water.</p> <p>RFI #56 – Is an electric heat trace temperature maintenance system required for the tempered hot water piping system?                  Per specification section "220533-3.2-A" it is required for domestic hot water.</p> <p>RFI #57 – Is "Thermon" an acceptable manufacturer for heat tracing of pipe?</p> <p>RFI #67 – What is the correct output for the De-Ionized Water System? Per the equipment schedule on drawing "P-601", the de-ionized equipment schedule reads pure water output of 752 gallons per day, but they list 24 gpm for permeate flow rate. These two completely conflict each other! A 752 gpd R.O. machine has typically a 0.52 gpm permeate flow rate. A 24 gpm permeate flow rate equates to a R.O. machine that produces 34,560 gallons per day.</p>	<p>RFI #56 – Same as response to RFI #55.</p> <p>RFI #57 - Manufacturers whose products are fabricated to Standards stipulated in, comply with and conform to Specifications Section 220533 are included, as expressed in Specifications SECTION 220533, "HEAT TRACING FOR PLUMBING PIPING" Para. 2.1A that reads: "Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to following:"</p> <p>RFI #67 – Operation of Pure Water System in not continuous, when Pure Water tanks are full and there is no demand, there is no Pure Water production.</p>
202.	<p>Reference: Drawing E733, Mechanical fixture schedule</p> <p>With regards to drawing E733, Mechanical fixture schedule: FCU1, FCU2, FCU3, FCU4, FCU5, FCU6 and FCU10 do not appear on the electrical plan drawings. These units are not circuited and are not shown on the panel schedules. Please advise as to their locations and circuitry.</p>	<p>Ignore reference to FCU-1 through FCU-6 and FCU-10 as they are not used in this project</p>
203.	<p>Reference: Security System</p> <ol style="list-style-type: none"> <li>1. Emergency telephones appear on security layout drawings, but not in specification. If required as part of this bid, please provide minimum specifications</li> <li>2. Intercom substation (ICS) and Intercom masters (ICM) appear on layout drawings but have no reference in specifications. Please clarify if intercoms should be included as part of this bid. If so, please provide minimum specifications.</li> </ol>	<ol style="list-style-type: none"> <li>1. The emergency telephone system is a generic system based upon system manufactured by Code Blue, Talk-a-Phone, Gaitronics, and DoorKing. System is provided for emergency communication with automatic CCTV call-up.</li> <li>2. System shown is an Aiphone KB system, <a href="http://www.aiphone.com/quikspec/">http://www.aiphone.com/quikspec/</a></li> <li>3. Redundant file server.</li> <li>4. That is between the General Contractor and his subs.</li> <li>5. See specification 111413.</li> <li>6. Reference should be SC201.</li> </ol>

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	<ol style="list-style-type: none"> <li>3. Drawing SC103 is showing two (2) file servers (FS). Please clarify purpose of having 2 servers</li> <li>4. Please clarify if the door contractor will provide any of the following: transfer hinges, mortis locks, electromagnetic lock, strike lock, pre-drill of door &amp; frame</li> <li>5. Are turnstiles expected to be provided under this scope? If so please provide minimum specifications</li> <li>6. Drawing SC200 is referred to in drawing SC103 device schedule, however this drawing was not part of the drawing package. Please clarify.</li> <li>7. Clarify meaning of Icons "VID 1-01" (Drawing SC103). And "VID CCTV" (drawing SC-106). If video display is required, clarify if analog monitor or user workstation are expected, and which cameras will be displayed on said monitors. MC2-33 on drawing SC104 refer to door detail no. 10, which is a mortise lock door, however no reader or lock are requested for this door Please clarify.</li> <li>8. MC3-15 &amp; MC3-32 on drawing SC105 refer to door detail no. 11, which is a mortise lock door, however no reader or lock are requested for this door Please clarify.</li> <li>9. Drawing SC106 EPB4-01~EPB4-07 refer to detail 25A, which shows a door with a Sentrol 1076D door contact. These door contacts are not shown on drawing SC106. Please clarify if door contacts are needed for these emergency push button doors.</li> <li>10. Note on drawing SC105 calls for 60 days video storage. Specifications section 28 only calls for 30 days. Please clarify required duration of video storage</li> </ol>	<ol style="list-style-type: none"> <li>7. VID 1-01 is a dedicated video monitor for the CCTV system. CCTV system is a digital system. Door requires a magnetic contact only. Mount per detail 3.</li> <li>8. Doors require magnetic contacts only, mount per detail 3.</li> <li>9. Magnetic contacts are not required. Push Button to interface with door locks for egress.</li> <li>10. 60 days of video storage are required for the recording system on SC105. This video system is recording cameras TVI 4-02 to TVI 4-10. All other building cameras are on a separate system and are recorded for 30 days.</li> </ol>
204.	<ol style="list-style-type: none"> <li>1. Section 1.4 F states that Security power is part of the building UPS power system. Section 2.4 C calls for provision of UPS units where AC powered equipment is not on facility UPS. How can we determine where facility UPS will not be available?</li> <li>2. Who is expected to provide/install the vehicle gates and vehicle sensor loops?</li> <li>3. Specification calls for multi class card readers, however</li> </ol>	<ol style="list-style-type: none"> <li>1. The security system is not on UPS, but on emergency generator power. The UPS is to be provided to power all security AC powered equipment until the emergency generator is operational. Specific size depends upon connected AC loads.</li> <li>2. The general contractor and his subs.</li> <li>3. Provide a multi-class reader per specifications. The smart tag is a separate reader for vehicles.</li> <li>4. VID is a dedicated video monitor for the CCTV system. CCTV system is a digital system. Door requires a magnetic contact only. Mount per detail 3.</li> </ol>

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	<p>drawing legend refers to "proximity" for door readers and "smart tags" for vehicle. Please clarify if dual technology (Proximity + smart) is required for all readers.</p> <p>4. (VID) icon on level 1 layout drawing is not in legend. Is the intention for video monitor, if so what should be displayed on it?</p> <p>5. (ICM<sup>v</sup>) icon on level 1 layout drawing is not in legend. Please clarify device type.</p> <p>6. (ICS<sup>v</sup>) icon on level 1 layout drawing is not in legend. Please clarify device type.</p> <p>7. The specification calls for both analog and digital cameras. The drawings do not make note of which camera is what type.</p> <p>8. Specification section 28 mentions PTZ and Fixed cameras, however cameras on layout drawings refer to drawing SC401 details 4&amp;5, which have PTZ cameras only. Please confirm that all cameras in this project will be PTZ and no fixed cameras are required.</p>	<p>5. System shown is an Aiphone KB system, <a href="http://www.aiphone.com/quikspec/">http://www.aiphone.com/quikspec/</a></p> <p>6. System shown is an Aiphone KB system, <a href="http://www.aiphone.com/quikspec/">http://www.aiphone.com/quikspec/</a></p> <p>7. Provide a digital system.</p> <p>8. Provide PTZ cameras for all applications.</p>
<p>205.</p>	<p>#1 – Is a shut-off valve required at each laboratory gas turret? Per specification "226313-3.3-A" it states to "install shut-off valve at each connection to laboratory gas, equipment and specialties". The each connection to laboratory gas is misleading! Please clarify.</p> <p>#2 – Please provide a schedule for the decon showers shown on drawings "P-502" at room 4173 and "P-456B".</p> <p>#3 – Please provide a schedule for the shower in room 5200 on drawing "P-457B"? It is not identified.</p> <p>#4 – On drawing "P-452F", please provide a sketch showing the final destination for the 1-1/2" CD line at column line F.5 &amp; 13.5.</p> <p>#5 – On drawing "P-453F", please provide a sketch showing where the 4" storm line at column 12.5 &amp; F.6 connects at in the B1 level. It indicates it supposed to go to the level below,</p>	<p>1. Shut-off valve is not required at each laboratory gas turret. Turret is neither equipment nor specialty.</p> <p>2. Refer to Architectural Drawings for construction details of decon shower enclosure, receptor, flooring, accessories, etc. Shower head, valve and trim shall be identical to that specified for plumbing fixture P-16 specified in Section 224000 Clause 2.2.B.1, Clause 2.2.B.2 and Clause 2.2.A.5 for drain.</p> <p>3. Shower complete with enclosure, receptor, flooring, shower head, valve, trim, drain, accessories, etc. shall be as stipulated in Specifications Section 224000 Clause 2.2 for fixture P-16, tabulated in Plumbing Fixture Schedule and Plumbing Fixture Connection Schedule on Drawing P-602.</p> <p>4. There is no final connection. Drawing indicates "1½"Condensate Drain to terminate 12" above finished floor. Any water from this drain drips onto floor of garage.</p> <p>5. 4" Storm line shall terminate at Column Lines 13F.4 connecting to and discharging in 4" Storm Drain Serving Area Drains. Drawing 453f shall be revised accordingly.</p> <p>6. Affirmative. Please refer to Drawing P-507 Schedule for Natural Gas Pressure Regulators:</p>

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<p>but nothing is shown.</p> <p>#6 – Is it the intention for the main line gas pressure regulators (GPR-1.1 thru GPR1.6” as shown on drawing “P-458A” to be in a by-pass piping arrangement? The gas riser diagram does not indicate this.</p> <p>#7 – Are the main line gas pressure regulators to be piped in between two (2) gas cocks? The drawing “P-458A” does not indicate this.</p> <p>#8 – The gas riser diagram on drawing “P-507” shows a common gas vent line to all the main line gas pressure regulators and individual equipment gas regulators. But on drawing “P-458A&amp;B”, it indicates that the main line regulators are run out individually and the individual equipment regulators are common vented. Please advise to which situation is correct?</p> <p>#9 – Please confirm that the “processed water” piping system is to be installed using <u>only</u> the “Bead and Crevice Free” joining method? The reason for asking, this type of piping system is very expensive due to the labor installation. Would an alternate piping system be acceptable? See below!</p> <p>#10 – Would an unpigmented polypropylene piping system utilizing socket weld and/or butt fusion joints be acceptable in lieu of that specified for the “processed water” piping system as specified in spec section “226700”. Manufacturers that make such a piping product are Orion and Enfield.</p> <p>#11 - Please confirm that the “de-ionized water” piping system is to be installed using either a “Tri-Clamp” or “Thermal IR fusion welding” style joining method; as specified in spec section “223110-2.3-B-7”? The reason for asking, this type of piping system is very expensive due to the labor installation and only one (1) manufacturer in the area makes this product.</p>	<p>GPR1.2 is in by-pass arrangement for GPR1.2, GPR1.4 is in by-pass arrangement for GPR1.3 and GPR1.6 is in by-pass arrangement for GPR1.5; each regulator and its by-pass arrangement shall be mounted between 18” and 48” above finished floor. Drawing P-507 shall be revised accordingly.</p> <p>7. Affirmative. Every Gas Pressure Regulator shall be piped in between two gas cocks. Drawing P-458a shows only by-pass arrangement at top. Drawing P-507 shall be revised accordingly</p> <p>8. Drawings P-458a and P-458b are correct. Vent piping for line regulators shall run independent of equipment vent piping. Equipment regulators are common vented. Drawing P-507 shall be revised accordingly.</p> <p>9. Bead and Crevice Free joints in distribution piping facilitates maintaining 18 megohm de-ionized water quality. Other pipe joining methods may be acceptable if contractor certifies with written guarantee that piping system is able to maintain 18 megohm De-ionized water quality at all outlets for minimum five years.</p> <p>10. Refer to #9 above</p> <p>11. Specifications Section 223110 “Clause 2.3.B.7.a” refers only to piping downstream Reverse Osmosis equipment upstream de-ionizers. This piping shall be as specified.</p> <p>12. Refer to #11 above</p>
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**ANSWERS TO OFFERORS QUESTIONS**

	<p>Would an alternate piping system be acceptable? See below!</p> <p>#12 - Would an unpigmented polypropylene piping system utilizing socket weld and/or butt fusion joints be acceptable in lieu of that specified for the "de-ionized water" piping system as specified in spec section "223110-2.3-B-7". Manufacturers that make such a piping product are Orion and Enfield.</p>	
206.	<p>Reference: Substituting Request for Roller Window Shades:</p> <p>I have not yet received a response from you regarding the approval of the Roller Window Shades for the subcontractor, Accent Architectural. I have noticed that you provided a response and approval for Roller Window Shades for Contract Décor.</p> <p>Please let me know as soon as possible your response regarding approval for the Roller Window Shades from Accent Architectural so that they may start pricing.</p>	<p>Based on the information submitted, Roller Window Shades from Accent Architectural are not an acceptable substitution</p>
207.	<p>Reference: Amendments Revisions to Drawings/Specs</p> <p>Many of the previous answers to amendment questions indicate that the referenced specification section and/or the referenced drawing will be "revised accordingly". When can we expect those revised documents to be reissued?</p>	<p>Answers to Offerors questions via the various issued Amendments are intended to be a stand-alone document. The provided answers via amendments supersede the specification and drawings as stated in the order of precedence under this solicitation. The references revised specifications and drawings resulting from prior, this or future bid amendments may be provided in future amendments or in the Conformance Set which will be provided to the winning Offeror.</p>
208.	<p>Reference: Section 015000 District's "Temporary Facilities":</p> <ol style="list-style-type: none"> <li>1. The project site is tight due to its location. Would the District consider reducing its office/trailer SF requirements?</li> <li>2. Can the site trailers be vertically stacked?</li> </ol>	<ol style="list-style-type: none"> <li>1. Delete Specification Section 015000 Paragraph 3.3.D (Temporary Facilities) in its entirety and replace with the new 3.3.D below: <ul style="list-style-type: none"> <li>"3.3.D. District's Field Offices: Provide and maintain temporary field office for District's personnel.</li> <li>Office: Provide insulated, weather tight office trailer, with lighting, electrical outlets, heating, cooling, and ventilating equipment of sufficient size to accommodate required office personnel at Project Site. Size of office shall be the equivalent of (1) double wide (approximately 24' x 60') portable trailer. The layout shall include: minimum of (3) standard sized lockable offices, (1) bathroom, security screens on windows, bar on doors. Work shall include all temporary utilities to trailers including 4 telephone/data lines. Office shall be provided no later than (1)</li> </ul> </li> </ol>

**ANSWERS TO OFFERORS QUESTIONS**

		<p>month after NTP until Final Acceptance of the project. Keep office clean and orderly. Contractor may also provide Class B or better office space of equivalent size and scope in a local building within 3 blocks of the project site. Final layout and location of office trailers / office space shall be approved by the COTR."</p> <p>2. GC means &amp; methods. The District does not object to vertical stacking</p>
209.	<p>Reference: Section 115300-2.7 (Bullet Recovery Tank) Substitution Request</p> <p>The listed manufacturer product for the Bullet Recovery Tank under this para. by the listed manufacture (Team Fabrication, Inc.) is outdated. The proposed product under this substitution request is the updated and improved system product available form the same manufacturer for the Bullet Recovery Tank.</p>	<p>The updated available product for the Bullet Recovery Tank system from Team Fabrication (#BRS 101-48A) is approved and will replace the listed product from the same manufacturer. The Specification shall be revised accordingly.</p>
210.	<p><b>Subject: Plug Drain</b></p> <p>Please provide specifications for the plug drain shown in room #2047. Shown on plumbing drawing P-454b. There are no specs on this particular plumbing item?</p>	<p>Plug Drain shown in Room 2047 on Drawing P-454b is Floor Cleanout as stipulated in Specifications Section 226600 Para. 2.4.B.4, top surface to be flush with surrounding flooring finish</p>
211	<p>Reference:.....Chilled Beam – Substitution Request -</p> <p>Is "Semco Flak Woods" valance heating and cooling units (aka – chilled beams) an acceptable manufacturer per specification section "238213"?</p>	<p>Substitution request is not approved.</p>

# Attachment B

## **Amendment No. 07 Attachment B:**

The following is a list of the materials included in Amendment No. 07, including revised/new Specifications and Drawings (Note: new specs/drawings are identified with an (\*\*)).

The files are posted electronically and can be viewed and downloaded from the link below:  
[\(ftp://ForensicBid:OS3OfU5q@ftp.jacobs.com/\)](ftp://ForensicBid:OS3OfU5q@ftp.jacobs.com/)

### **A.) SPECIFICATIONS**

Replace the following specification sections in their entirety with the attached specification sections **dated November 18, 2008**.

Number	Spec Section	Spec Section Title
1	11 53 53	CLASS II BIOLOGICAL SAFETY CABINETS
2	12 35 53	METAL LABORATORY CASEWORK
3	13 21 00	ENVIRONMENTAL ROOMS
4	22 31 10	DE-IONIZED WATER SYSTEM
5	23 84 13**	HUMIDIFIERS

### **B.) DRAWINGS:**

Replace the following drawings in their entirety with the attached drawings **dated November 18, 2008**

Number	Drawing Number	Drawing Title
<b>CIVIL</b>		
1	C4.0	UTILITY DEMOLITION PLAN
2	C5.1	UTILITY PROFILES-1
3	C5.6	UTILITY DETAILS-4
4	C-8.5**	SITE DETAILS-2
<b>LANDSCAPE</b>		
5	L201	SITE PLAN
<b>STRUCTURAL</b>		
6	S203E	FLOOR FRAMING PLAN LEVEL 1 EAST
7	S203W	FLOOR FRAMING PLAN LEVEL 1 WEST
8	S204E	FLOOR FRAMING PLAN LEVEL 2 EAST
9	S209E	FLOOR FRAMING PLAN UPPER PENTHOUSE EAST
10	S209W	FLOOR FRAMING PLAN UPPER PENTHOUSE WEST
11	S301	TYPICAL STRUCTURAL DETAILS
12	S304	TYPICAL STRUCTURAL DETAILS
13	S401	BEAM SCHEDULE
14	S501	COLUMN SCHEDULE
15	S502	COLUMN SCHEDULE
16	S503	COLUMN SCHEDULE
17	S701	SECTIONS AND DETAILS
18	S702	SECTIONS AND DETAILS

19	S704	SECTIONS AND DETAILS
20	S714	SECTIONS AND DETAILS
21	S715	SECTIONS AND DETAILS
<b>MECHANICAL</b>		
22	H408a	HVAC LEVEL 6 & LOWER PENTHOUSE PART PLAN AREA A
23	H408c	HVAC LEVEL 6 & LOWER PENTHOUSE PART PLAN AREA C
24	H501	HVAC LEVEL B2 MECH ROOM PART PLAN
<b>PLUMBING</b>		
25	P451A	ENLARGED PARTIAL PLAN LEVEL B2
26	P451B	ENLARGED PARTIAL PLAN LEVEL B2
27	P451D	ENLARGED PARTIAL PLAN LEVEL B2
28	P452F	ENLARGED PARTIAL PLAN LEVEL B1
29	P504	LABORATORY COMPRESSED AIR DISTRIBUTION RISER DIAGRAM
30	P507	NATURAL GAS RISER DIAGRAM
31	P606	PLUMBING SCHEDULES & DETAILS
<b>ELECTRICAL</b>		
32	E001	ELECTRICAL LEGEND AND GENERAL NOTES SHEET #1
33	E012**	ELECTRICAL LIGHTING SITE PLAN
34	E203E	ELECTRICAL LEVEL 1 LIGHTING PLAN EAST
35	E404F	ELECTRICAL LEVEL 2 POWER PLAN AREA F
36	E405F	ELECTRICAL LEVEL 3 POWER PLAN AREA F
37	E406F	ELECTRICAL LEVEL 4 POWER PLAN AREA F
38	E407F	ELECTRICAL LEVEL 5 POWER PLAN AREA F
39	E408A	ELECTRICAL LEVEL 6 & LOWER PENTHOUSE POWER PLAN AREA A
40	E408B	ELECTRICAL LEVEL 6 & LOWER PENTHOUSE POWER PLAN AREA B
41	E408C	ELECTRICAL LEVEL 6 & LOWER PENTHOUSE POWER PLAN AREA C
42	E408F	ELECTRICAL LEVEL 6 & LOWER PENTHOUSE POWER PLAN AREA F
43	E501	ELECTRICAL PART PLANS SHEET 1
44	E502	ELECTRICAL PART PLANS SHEET 2
45	E608	ELECTRICAL DIMING LIGHTING CONTROL SCHEDULE SHEET 1
46	E707	ELECTRICAL SCHEDULES LEVEL 1 PANELBOARDS SHEET 7
47	E726	ELECTRICAL SCHEDULES LEVEL 1 PANELBOARDS SHEET 26
48	E730	ELECTRICAL SCHEDULES LIGHTING CONTROL PANELS
49	E732	ELECTRICAL SCHEDULES MECHANICAL AND PLUMBING SHEET 1