

**RFP VA701-17-R-0010 – SALT LAKE CITY GENOMIC LAB ADDITION BUILDING 2 TECHNICAL QUESTIONS AND VA RESPONSE TRACKING SHEET**

ITEM NO.	DATE QUESTION RECEIVED	DATE QUESTION ANSWERED	QUESTION	GOVERNMENT RESPONSE
1.	4-03-2017	04-12-2017	Ref. S-101. Note O states “ <i>Braced bays B,G,H indicated by *(*)* are not required for 4 vertical expansion unless a 5<sup>th</sup> story is constructed. Provide brace weld plates at beams at each floor and at foundation but do not install diagonal braces unless 5<sup>th</sup> Floor addition occurs</i> ”. Based upon this note, we assume diagonal (vertical) braces at braced bays B, G and H are not required in this contract. Please confirm.	Confirmed. Braces are not to be installed, however connections shall be provided so that braces can be installed in the future if 5 <sup>th</sup> floor expansion occurs.
2.	4-03-2017	4-12-2017	Ref S-501; Where can we find the gusset plate thicknesses?	Gusset plates thickness not provided, plate and weld connections shall be designed by suppliers connection detailer using forces shown on bracing elevations.
3.	4-06-2017	4-12-2017	We have received a flagpole specification regarding the above named project. However, we cannot quote this flagpole project as the written specification does not have a flagpole height.	Flagpole base designed for 15’ pole height with a maximum 4x6 nylon flag.
4.	4-06-2017	4-18-2017	<b>CLIN</b> Note 4 on the notice at the bottom of the CLIN states “Prices for each CHOICE (Alternate) shall be expressed as the dollar amount to be deducted the previous CLIN amount.” Please clarify. Is the contractor to include the total cost of only the deductive amount in the line item, or the total amount of the base bid minus the deductive amount so that the final amount listed in CLIN 0013 is the <u>total project value</u> including all deducts?	The contractor shall provide the total amount minus the Alternate for each CLIN.
5.	4-06-2017	4-17-2017	<b>Key note missing</b> Sheet GI103 keynote 6 is shown on detail 2 however there is no description shown. Please provide the description for keynote 6.	Disregard the Keynote #6.

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6.	4-06-2017	4-14-2017	<p><b>Geotech</b> Please provide a Geotech report for this project.</p>	<p>The Geotech report has been provided in Amendment A00002. See attached: ATTACHMENT - GEOTECH REPORT - FINAL - 09-25-15 ATTACHMENT - SUPPLEMENTAL PAVEMENT RECOMMENDATIONS - 01-14-2016</p>
7.	4-06-2017	4-12-2017	<p><b>ACM and lead report</b> Please provide a hazardous materials survey for this project.</p>	<p>This was provided in Amendment A00001 posted on 04-12-2017.</p>
8.	4-07-2017	4-17-2017	<p>Propose using Chanshare's Imperial Blue Kentucky BlueGrass Sod in lieu of Fescue Sod which is called for in Specification 32 90 00.</p>	<p>A-E agrees that this is acceptable.</p>
9.	4-11-2017	4-12-2017	<p>Spec Section 01 45 29 "Testing Laboratory Services" specifies materials and testing activities and inspection services required during project construction to be provided by a Testing Laboratory retained by the Contractor. However, in Spec Section 03 30 00 "Cast-In-Place Concrete," there are several references through this specification that state the Testing Services will be retained by the Department of Veterans Affairs. Who is responsible for the Testing Laboratory Services?</p>	<p>Spec Section 03 30 00 should state that the Testing Services are to be retained by the Contractor. The Contractor is responsible for retaining all of the Testing Services for this project.</p>
10.	4-13-2017	4-17-2017	<p>The following Spec Sections are listed in the Table of Contents, but there is no spec included in the documents. Are these sections to be included in the contract? If so, please provide.</p> <ul style="list-style-type: none"> <li>o 07 72 00 – Roof Accessories</li> <li>o 22 14 00 – Facility Storm Drainage</li> </ul>	<p>Specification Sections 07 72 00 and 22 14 00 have been provided in Amendment A00002. See attached: ATTACHMENT - SPEC SECTION 07 72 00 ROOF SPECIALTIES ATTACHMENT - SPEC SECTION 22 14 00 FACILITY STORM DRAINAGE</p>

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11.	4-13-2017	4-17-2017	Spec Section 27 51 16 – Public Address & Mass Notification Systems is included in the spec book, however it is not listed in the Table of Contents. Is this spec section to be included as part of the contract documents?	Yes, this specification section is a valid section for this project.
12.	4-13-2017	4-18-2017	As it was noted on the site walk that this project may exceed the budget, will the contractor be required to subcontract a commercial photographer and adhere to the extensive requirements listed in section 1.30- Photographic Documentation, or will monthly progress photos taken by our onsite personnel be sufficient?	Photography Documentation shall be followed as described in the specifications.
13.	4-13-2017	4-18-2017	Can our site Superintendent also function as the required Site Safety Health Officer (SSHO) and Certified Safety Professional (CSP)?	Yes, providing the individual has the credentials for both functions.
14.	4-13-2017	4-17-2017	Is the Contractor responsible for subcontracting a Commissioning Agent (CA), or will the CA be contracted by the VA?	The contractor is to provide the Commissioning Agent.
15.	4-13-2017	4-17-2017	Spec Section 00 01 15 – List of Drawing Sheets include pages EP101A, ET101A and EY101A, however they are not included in the plan set. Are these drawings part of the contract documents? If so, please provide.	Drawing sheets EP101A, ET101A and EP101A do not exist in the sets. Ignore reference to these sheets in Specification 00 01 15.
16.	4-13-2017	4-17-2017	The following plan sheets are included in the plan set, but not referenced in Spec Section 00 01 15 – List of Drawing Sheets: CU100, FA105, FA107, EL103, EL104, EL106, EP104, EP105, EP106, EP600, EP605, EM104, EM105, EM502, EM603, ET104, ET106, ET107, ET601, EY103, EY104. Are these plans to be included in the contract documents?	Drawing sheets CU100, FA105, FA107, EL103, EL104, EL106, EP104, EP105, EP106, EP600, EP605, EM104, EM105, EM502, EM603, ET104, ET106, ET107, ET601, EY103, EY104 do exist in the sets. Please include in reference to Specification 00 01 15.

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17.	4-13-2017	4-18-2017	Section 1.5 -Construction Security Requirements (page 01 00 00-4) states that “All electronic information shall be stored in specified location following VA standards and procedures using an Engineering Document Management Software (EDMS)”. Will the VA provide the EDMS service at no cost to the contractor, or will the contractor be responsible for purchasing and providing this service? If it is the responsibility of the contractor, does the VA have a system preference (i.e. Submittal Exchange or VA TRIRIGA) and how many user licenses/seats will the VA require?	Required by contractor as specified. The VA has no preference of software at this time.
18.	4-13-2017	4-18-2017	Will submittals be required to be transmitted electronically? If so, will it be the responsibility of the contractor to purchase and provide this service? Does the VA have a system preference (i.e. Submittal Exchange or VA TRIRIGA) and how many user licenses/seats will the VA require?	Required by contractor as specified. The VA has no preference of software at this time.
19.	4-13-2017	4-18-2017	Will contractor will be required to meter and pay for electricity required for electric cranes and hoisting devices, electrical welding devices and any electrical heating devices providing temporary heat?	Some minor utilities are available for the contractor to provide connection to his job trailer and other minor construction uses. However other high usage of utilities may be metered.
20.	4-14-2017	4-17-2017	What is the VA response time for answering submittals during construction?	Contractually the A/E shall submit recommendations on shop drawings and other submittals and reply to any and all requests within fifteen (15) days after their receipt of the request. Paradigm, though, endeavors to return all submittals and RFI's within 5 days to the VA.
21.	4-14-2017	4-17-2017	What is the VA response time for answering RFIs during construction?	See above.

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22.	4-20-2017	4-26-2017	<p>We would like the opportunity to bid Florock Resinous Flooring as an equal to the products specified for the above named project (see Subject).</p> <p><b>SECTION 09 67 23.60</b></p> <p><b>RESINOUS URETHANE AND EPOXY MORTAR FLOORING (RES-6A AND RES-6B)</b></p>	<p>Please ensure all flooring substitutions comply with the product characteristics defined in specification 09 67 23.60.</p>
23.	4-20-2017	4-26-2017	<p>Elevation 9/AE303 shows two E5's that are listed at separators and shown on the equipment schedule as contractor furnished contractor installed. Specification section 11 53 23 does not contain any information on the separators. Please provide additional specification information about the separators.</p>	<p>Separators shall be provided and installed by the VAMC.</p>
24.	4-20-2017	4-26-2017	<p>Elevation 12/AE303 and elevation 9/AE303 show the E2 and E3 laboratory fume hoods. The equipment schedule shows both E2 and E3 fume hoods and owner furnished and owner installed. Please confirm that specification 11 53 13 is not required as the fume hoods are not in contract.</p>	<p>Fume hoods shall be purchased and installed by the VAMC.</p>
25.	4-20-2017	4-26-2017	<p>The equipment schedule on AE303 shows the E1 and E4 freezers as owner furnished and owner installed. Please confirm that specification section 11 53 23 is not required as the freezers are not in contract.</p>	<p>Freezers shall be purchased and installed by the contractor</p>
26.	4-20-2017	4-26-2017	<p>As no elevations are provided, please confirm that the steel casework inside the freezer area #001 is the same as the casework in room #003 or provide additional details and/or information.</p>	<p>Steel lab casework shall be installed in the area. Refer to elevations 1 &amp; 3 on AE305. In addition, casework is further detailed on AE111.</p>
27.	4-20-2017	4-26-2017	<p>It is not clear what type of casework in Staging room #009/AE109. Is this intended to be laboratory section 12 31 00 or division 6 casework? Please clarify.</p>	<p>The intent is for lab casework to be installed in the area. Refer to AE111 for additional casework details.</p>

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28.	4-21-2017	4-26-2017	<p>Sheet ET 107-Note- states that contractor is responsible to remove and reinstall existing devices in ceiling to make room for new cable tray 12"wide by 6" tall cable tray going down ground level ceiling of Building 2 .</p> <p>Through our many hours spent in Bld 2 ground floor ceiling we are finding this almost next to impossible, and very hard to put a quote too. There is just not room. Solution- The only thing that we can come up with is to allow J-hooks along walls and free air cables to new addition, with J-hooks serving as support.</p>	<p>The VA Design Guide Standards article 8.4.12.B requires the wire-management system be installed within a cable-ladder system. The AE is not opposed to using a J-Hook system, however the contractor shall bid per plans and specifications.</p>
29.	4-21-2017	4-26-2017	<p>Section 01 33 23 states that all submittals are to be in hard copy form and sent via mail in quadruplicate. Please confirm that the contractor is not required to pay for and use an electronic submittal program.</p>	<p>The contractor is not required to pay for and maintain an electronic submittal site, but may choose to do so at their option</p>
30.	4-21-2017	4-26-2017	<p>Is Square D the Preferred choice of Electrical Gear for this Project?</p>	<p>There is no preferred manufacturer for panels or switchgear.</p>
31.	4-21-2017	4-26-2017	<p>Drawing ET107 Calls out for a 12" wide x 6" high cable tray to be installed in the ceiling of the corridor in the existing building. Having worked in this building before it is almost impossible to get a cable tray of this size or any other size in the ceiling of the corridor. The entire ceiling may have to be completely removed and lowered to accomplish this. If there is even any room to do that is another question. Please advise.</p>	<p>The VA Design Guide Standards article 8.4.12.B requires the wire-management system be installed within a cable-ladder system. The AE is not opposed to using a J-Hook system, however the contractor shall bid per plans and specifications.</p>
32.	4-21-2017	4-26-2017	<p>It is unclear as to how many data/voice cables are need at each modular furniture, workstation locations on sheet ET103 open office 102 and ET104 open office 108. Please specify.</p>	<p>The modular furniture will be a VA provided item. For bidding purposes, provide a data port cable for each workstation.</p>

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33.	4-21-2017	4-26-2017	On the ET sheets, dated 4-7-16 there is a telecommunication legend. According to this legend there is (4) RJ-45 jacks per un-shaded triangle. Is this correct? Are there supposed to be (4) category 6e, data, cables pulled to each un-shaded triangle?	The RJ-45 jack has four ports and therefore requires (4) category 6E cables per device.
34.	4-21-2017	4-26-2017	According to the same legend listed in question #2, the fully shaded triangle do not specify how many category 6e cables are needed. Please specify.	The RJ-45 jack has four ports and therefore requires (4) category 6E cables per device.
35.	4-21-2017	4-26-2017	How many category 6e cables are needed for each WAP location?	Wire quantities shall be coordinated with manufacturer.
36.	4-21-2017	4-26-2017	According to the responsibility matrix, sheet ET601, ground floor data/WAP's, it shows WAP-001A through WAP-001E. However, on sheet ET101 and ET102 there are no WAP's detailed. These location are shown on sheets ET103 and ET104. Please provide clarification as to which floor these should be on or should they be on both ground and first floors.	The contractor shall bid per plans and specifications the quantities the quantities of devices indicated on drawing.
37.	4-21-2017	4-26-2017	According to the responsibility matrix, sheet ET601, ground floor data/WAP's, it shows T-001-K through T-001-P (ceiling). However, on sheet ET101 and ET102 there are no reference of these locations. These location are shown on sheets ET103 and ET104. Please provide clarification as to which floor these should be on or should they be on both ground and first floors.	The contractor shall bid per plans and specifications the quantities the quantities of devices indicated on drawing.
38.	4-21-2017	4-26-2017	On sheet ET502 analog telephone wiring diagram it calls for (1) 200 pair. Is this a category 3 or category 5e trunk cable?	The low voltage contractor shall provide (1) 200 pair as indicated, the tele-communications shall coordinate type of cable required in order to furnish a functioning system.
39.	4-21-2017	4-26-2017	On sheet ET502 digital telecommunication wiring diagram it calls for fiber. Please specify the type (Single mode (SM) or Multi mode (MM, OM3 or OM4) and how many strands (6, 12, 18, 24, etc).	The low voltage contractor shall specify the fiber optic cable required for a complete installation.

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40.	4-21-2017	4-26-2017	On sheet ET502 general electrical telecommunication notes letter "D" states that all telecommunication terminations will be made by VA IRM. Is this for both the trunk and fiber optic cable? Will they be providing all the necessary materials as well? Punch blocks, LIU's, fiber connectors, etc? There is one not on this sheet that says the telecom contractor is to terminate.	<p>The VA IRM (Information Resource Manager) shall make final terminations per drawings: ET101, ET102, ET103, ET104, ET106, ET107, ET501 and ET502 for additional information.</p> <p>Head-End equipment shall be provided by VA, see Telecommunications Plan Notes No. 7 on drawings ET101 and ET103.</p>
41.	4-21-2017	4-26-2017	Is the new addition area going to be a plenum or non-plenum rated space?	All above ceiling spaces will not be utilized as plenums, but follow the NEC regarding what is to be considered as "plenums" in regards to cabling, etc.
42.	4-21-2017	4-26-2017	Does the existing building need plenum or non-plenum rated cabling in the ceilings?	All low voltage wiring shall be installed within a conduit system, except the telecommunications system shall be installed via plenum rated cable.
43.	4-21-2017	4-26-2017	The color coding note on the ET sheets doesn't match the face plate details on sheet ET501. Please clarify.	The contractor shall install tele-communications wiring system color coding via drawings: ET101, ET102, ET103 and ET104.
44.	4-21-2017	4-26-2017	Does there need to be a copper or fiber connection between IT room 2A37 and IT2A39? If so please specify what is needed?	Refer to General Telecommunication Plan Notes No. "H", the electrical contractor shall furnish a fully functional tele-communications system, coordinate component hardware with low voltage contractor prior to bid.
45.	4-21-2017	4-26-2017	On the ET drawings general telecom note, letter "F" states that the VA shall make all final termination at the server equipment room 2A37 and 2A39. Because in the same general notes, letter "H" states that the electrical contractor is to install a fully functioning telecom system. Please clarify what exactly the VA will be terminating.	The VA IRM shall terminate final connections to the existing IT and server equipment, the contractor shall include in bid number all associated cost of installing a fully functioning tele-communication system.

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46.	4-21-2017	4-24-2017	Previous VA solicitations have allowed PPQ's which have been previously completed for other proposals as long as the PPQ is recent and relevant to the project. Will this be allowed for the Genomic lab addition?	This is allowable. Please make sure these projects line up with the requirements for Evaluation Factor 4.
47.	4-21-2017	4-24-2017	If a PPQ submission from a customer to the VA can't be verified prior to submission deadline we are allowed to submit the first page of the PPQ with our proposal. Will that page count toward the 30 page limit?	Yes, the first page will count towards to page limitations.
48.	4-21-2017	4-24-2017	Due to the amount of information requested within the technical volume would it be possible to increase the page limit to 40 pages as long as file size remains under 5meg?	The page limit is set at 30 pages.
49.	4-21-2017	5-5-2017	What is the specification of the TECAN Seperator. Reference Page AE109. TECAN does not manufacture this anymore. It is manufactured by Miltenyi.	The TECAN separator is a basis of design. See submittal requirements.
50.	4-21-2017	5-5-2017	Is there a list of approved manufacturers for the hydraulic elevator?	There is not an approved list. Provide in accordance with the specs.
51.	4-21-2017	4-26-2017	In reference to the project description, "Evening nighttime, and weekend hours will be required and shall be included in the contractors Base Bid Pricing." Are these the only working hours or are they over and above the normal working hours of 7A-5P?	The project is intended to allow for 7AM-5PM normal working hours, yet some work shall be required to be completed in the existing building or of such that disruption of the existing building activities may occur. For those cases, the contractor shall include all necessary "after-hours" work costs within their bid.
52.	4-21-2017	4-26-2017	The alternates are considered <i>deductive</i> alternates correct?	The alternates are full firm fixed price alternates, with scopes of work listed in progressive (reduced) order.
53.	4-21-2017	4-26-2017	In reference to the erosion plan, will there be additional requirements for the entry and exits of the project boundaries? IE tracking pads, rock beds?	Yes, as required by the contractor to enter the site, under approval of the VA

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54.	4-21-2017	4-26-2017	Where the asphalt is being demoed, is this area planned to be landscaped? Or are we to re lay new asphalt?	Existing parking asphalt to be demo'd north of the proposed new addition per dwg. CD101. Dwg. CS101/LP101 shows existing Bennion Blvd. to remain; new sidewalk/sod only north of the proposed new addition.
55.	4-21-2017	5-5-2017	Incumbent Elevator Maintenance Service Provider Spec Section 14 24 00-2 Paragraph 1.3-B states "Approval of Elevator Contractor's equipment will be contingent upon their identifying an elevator maintenance service provider that shall render services within one hour of receipt of notification". Can you please provide the manufacture of the existing elevators in service at the Amarillo VAMC? In addition, is there an existing maintenance service provider at the VA that will be required to render service for the new elevator? This information is required in order to meet this portion of the specification.	Specification reads "...maintenance service provider that shall render services within <u>two</u> hours of receipt of notification." Cannot provide the manufacture of existing elevators in service at Amarillo VACM. VA currently has an elevator service contract which covers all VA elevators on campus which will be used after the one year construction warranty.
56.	4-21-2017	5-5-2017	Non Satisfactory performance of elevator installations Spec Section 14 24 00 Paragraph 1.3-C states: "Approval will not be given to elevator contractors and manufacturers who have established on prior projects, either government, municipal, or commercial, a record for unsatisfactory elevator installations, have failed to complete awarded contracts within the contract period, and does not have the requisite record of satisfactorily performing elevator installations of similar type and magnitude." Because contractor performance on previous government contracts is unavailable to the public, unsatisfactory performance is not a determination we can make. Can you please provide a list of Unsatisfactory elevator contractors not eligible for performance under this contract?	There is not list of Unsatisfactory elevator contractors. All subcontractors are required to have a positive/neutral record of working on VA project.

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57.	4-21-2017	5-5-2017	Sole Source Elevator Determination Spec Section 14 24 00 Paragraph 1.3-D States: "All hydraulic elevators shall be the product of the same manufacturer." Does this include elevators currently in service at the VA? If so, can you please provide this manufacturer? In addition, will the VA be providing a determination of sole source manufacture for this portion of work?	Spec Section 14 24 00 Paragraph 1.3D applies to the Genomics project only.

58.	4-21-2017	5-5-2017	Elevator Performance Standards - Elevator Speed Spec Section 14 24 00 Paragraph 1. - A.1 states: "Contract speed is high speed in either direction of travel with rated capacity load in the elevator. Speed variation under all load conditions, regardless of direction of travel, shall not vary more than five (5) percent." Industry standard is a variation of (10) percent, not the (5) percent required by this spec. Please confirm the industry standard variation of (10) percent is acceptable. Elevators with not more than (5) percent variation are significantly more in cost.	As specified.
59.	4-21-2017	5-5-2017	Elevator Door Operation Speed Spec Section 14 24 00 - 1.9 B calls for the doors to "2.5-foot per second and close at 1-foot per second". Each elevator manufacturer has performance times based upon industry standard. Please confirm "industry standard" performance times are acceptable.	As specified.
60.	4-21-2017	5-5-2017	Elevator Fluid System Components. 14 24 00 - 1.9C calls for all fluid system components to be factory tested for 500 PSI. Many of today's hydraulic system components perform at much lower pressures. For example, an industry standard Jack is only air tested at 20psi due to the lower operating pressures it encounters. Please confirm system components not enduring 500 psi operating pressures can be factory tested at lower pressures that are consistent with industry standards.	As specified.
61.	4-21-2017	5-5-2017	Elevator Floor level stopping accuracy 14 24 00 - 1.9D calls for floor level stopping to be within 3 mm above or below the floor. In lieu of 3mm, please confirm compliance with national code regarding leveling is adequate.	As specified.

62.	4-21-2017	5-5-2017	Elevator Noise and Sound Isolation 14 24 00 - 1.9 E-G calls for specific isolation and noise levels on all components. Please confirm Industry standard Isolation and noise levels are acceptable in lieu of the specifics call out in 14 24 00 - 1.9 E-G	As specified.
63.	4-21-2017	5-5-2017	Elevator Materials - Stainless Steel 14 24 00 - 2.1A-B calls for "corrosion resisting steel complying with Fed. Spec. QQ-S-766, Class 304, Condition A with Number 4 finish on exposed surfaces. Stainless steel shall have the grain of belting in the direction of the longest dimension and surfaces shall be smooth and without waves." Class 304 SS is typically reserved for Chemical Equipment, Food Handling Equipment, Nuclear Vessels, Marine applications, etc. Utilization of this grade Stainless Steel would significantly increase the cost of the elevators. Industry standard SS for use in elevators is 441. Please confirm use of 441 grade stainless steel or better is approved for use on the elevators.	As specified.
64.	4-21-2017	5-5-2017	Elevator Solid State Operational Parameters 14 24 00 2.8A & 2.9L calls for "Solid State components shall be designed to operate between 32 to 104 degrees Fahrenheit, humidity non-condensing up to 85 percent." Industry standard solid state components are tested to operate at 50-90 degrees, and not 32-104 degrees as specified. Please confirm component operation between 50-90 degrees F is acceptable.	As specified.
65.	4-21-2017	5-5-2017	Elevator Future Provisions 14 24 00 - 2.8E states: "Controller shall be provided with wiring and components for additional future travel of 3 floors and approximate 34 feet of travel". This is a significant additional cost. Does the VA indeed intend on 3 additional floors at a later date? Please confirm wiring and components are actually required under this contract.	This project includes only the Ground and First floors. There is a possibility of adding one more level in the future.

66.	4-21-2017	5-5-2017	Elevator Future Provisions part 2 14 24 00 – 2.3 calls for 5 future stops, and a total travel of 56’-8”. This contradicts the travel stated in 2.8E. Please confirm the quantity of stops, and total travel for future use.	As specified.
67.	4-21-2017	5-5-2017	Pump Unit Assembly - Acoustic Insulation 14 24 00 - 2.13-A requires 1" rigid acoustical insulation board around the pump unit. Please confirm acoustic insulation is required.	As specified.
68.	4-21-2017	5-5-2017	Elevator - Motor duty rating 14 24 00 - 2.13-E calls for a "continuously" rated motor. Typically motors are rated for 30% time on duty with 120 starts per hour and temperature range of 50-90 degrees. Please confirm this is acceptable. A continuously rated motor is a significant cost impact.	As specified.
69.	4-21-2017	5-5-2017	Elevator hydraulic fluid flash point 14 24 00 - 2.14-A calls for hydraulic fluid to have a minimum flash point of 400 degrees F. Industry standard hydraulic fluid has a flash point of 380 degrees F. Please confirm this is acceptable.	As specified.
70.	4-21-2017	5-5-2017	33 - Elevator Power unit Hydraulic systems - threaded connections 14 24 00 -2.14B & 2.14I - calls for threaded and welded connections. Please confirm Victaulic connections are acceptable for all piping assemblies within the power unit. These assemblies are factory assembled, and non-Victaulic connections would be a significant cost increase.	As specified.
71.	4-21-2017	5-5-2017	Elevator - Schedule 40 Cylinder Casing 14 24 00 - 2.18 B - Calls for PVC casting to be schedule 80 PVC pipe. Industry standard is schedule 40 PVC pipe in this application. Please confirm schedule 40 is acceptable.	As specified.

72.	4-21-2017	5-5-2017	Elevator - Crosshead Data Plate 14 24 00 - 2.21 calls for a non-corrosive metal data plate. Please confirm a polyester non-corrosive plate is acceptable.	As specified.
73.	4-21-2017	5-5-2017	Elevator - Car leveling Device 14 24 00 - 2.24. Please confirm compliance with the national code in regards to leveling is acceptable. Paragraph 2.26 calls for specific leveling that would significantly increase the cost for the elevator.	As specified.
74.	4-21-2017	5-5-2017	Elevator - Cart Top Inspection station 14 24 00 - 2.23. Industry standard is for the Car top inspection station to be integral with the door operator. Please confirm this is acceptable.	As specified.
75.	4-21-2017	5-5-2017	Elevator - Audio Voice System 14 24 00 - 2.28 calls for "Special messages as directed by COTR". Each special message will be an additional cost. Please provide a comprehensive list of special messages, and when they should indicate. This is required for pricing.	Two elevator messages required.
76.	4-21-2017	4-26-2017	Elevator - Hoistway Entrances 14 24 00 - 2.34-D calls for structural steel angles extending from top of sill to bottom of floor beam above. Please confirm industry standard "formed sill supports" are acceptable in lieu of as described in 2.37-D	Not required structurally. Sill at entrances is formed concrete bearing on CMU header and steel beam with embedded sill support angle as shown on E1/S-401.
77.	4-21-2017	4-26-2017	Elevator - Jambs and Head soffit welded construction 14 24 00 - 2.34-E Calls for Jambs and Head soffits to be welded construction with side jambs to be curved radius and head jamb to be of square type. Radius frames cannot be welded to a square header, therefore this type of construction is not feasible.	Acknowledged.

78.	4-21-2017	5-5-2017	Elevator Cladding Wrap - BOCA label 14 24 00 - 2.34G calls for cladding to wrap around leading and trailing edges of the door panels. Standard manufacturing does not allow for this type of construction. Please confirm wrap around leading edge of door only is acceptable. In addition, paragraph 2.37G calls for BOCA label, UL label, etc. However, industry standard is for the Warnock Hersey label to fastened to elevator entrances. Please confirm this is acceptable.	As specified.
79.	4-21-2017	5-5-2017	Elevator Hoistway roller / ball bearings 14 24 00 2.34H calls for the up-thrust rollers to have ball or roller bearings. Please confirm industry standard needle bearings are also acceptable.	As specified.
80.	4-21-2017	5-5-2017	Elevator - car enclosure 14 24 00 - 2.38L calls for two speed doors, metal cladding on leading and trailing edges, and sound deadening materials on panels. These items all dramatically increase the manufacturing cost of the elevator. Please confirm single speed side opening doors, metal cladding around leading edge only, and doors without sound deadening materials are acceptable.	As specified.
81.	4-21-2017	5-5-2017	Elevator - Door nudging 14 24 00 - 2.39C states "do not provide door nudging". Door nudging is required per code. Please confirm door nudging is acceptable.	As specified.
82.	4-21-2017	4-26-2017	Permanent Roof deck Sheet S-103 shows a callout for 3" lightweight concrete on composite deck and the details referenced on sheet S401 and reinforcement plan indicate that the roof section between gridline 0.1 and 0.1 also indicate concrete, however sheet AE115 note 1 and AE412 detail 1 call for CPA roofing over insulation and metal deck. Please clarify if the permanent roof deck will have a concrete slab.	Concrete deck is required per structural drawings, with CPA and tapered insulation installed above. At expansion, CPA and insulation shall be removed. Permanent roof deck shall also have concrete slab as part of overall blast mitigation design.

83.	4-21-2017	4-26-2017	Missing note Sheet CD-101 note 21 is shown as a callout on the bottom photo, however there is no keynote description. Please provide details for this note.	There is not a keynote 21 on drawing CD101 (dated 09-30-16). Please make sure you are looking at the correct plans. Disregard keynote 21.
84.	4-21-2017	4-26-2017	Alternate #5 How will the gravel surface be terminated at the grass area at the perimeter of the secured exterior enclosure if this alternate is not taken?	If the secured enclosure is removed, the proposed equipment will be on concrete pads, with grass area around to match other new grassed areas per the spec.
85.	4-21-2017	4-26-2017	Alternate#5 Please clarify the extent of alternate #5. If the cmu wall is not constructed, will the steel high security gate be deducted also, or will the high security fencing be extended in place of the cmu section on the generator/tank side of the enclosure?	Security fencing will extend in place at the same location as the cmu wall.
86.	4-21-2017	4-26-2017	Generator Emergency feed Please provide alternate feeder one line to feed EMDP if the Alt #12 generator is deducted.	No
87.	4-21-2017	4-26-2017	Coordination study How many levels upstream will the coordination study be required to include?	Please refer to specification 260573 -1.1.C : The study shall present a well-coordinated time-current analysis of each overcurrent protective device from the primary tap connection to the individual electrical panels and all associated equipment throughout, and the on-site generator sources.
88.	4-21-2017	4-26-2017	Generator If the Alt #12 generator is deducted, will the ductbank/raceways and eqp pad still be required?	Yes, the duct-bank, generator pad, and underground raceway will be included in the base bid.
89.	4-21-2017	4-26-2017	Generator If the Alt #12 generator is deducted, will the underground fuel tanks and fuel piping stub still be required?	Please refer to deduct Alternate No. 12 on drawing EP106, if generator is deducted.
90.	4-21-2017	4-26-2017	Diesel fuel tank Will the VA be responsible for providing the new diesel fuel to fill up the two new 7500 gallon diesel fuel tanks? Please confirm that this will not be the responsibility of the contractor.	Yes, the VAMC will be provide the fuel with coordination of the contractor as to delivery

91.	4-21-2017	4-26-2017	Diesel fuel tank Will the VA provide the fuel needed for testing and commissioning the generator system or will this be the responsibility of the contractor?	Yes, the VAMC will be provide the fuel with coordination of the contractor as to delivery
92.	4-21-2017	4-26-2017	Motorized double swing gate Note 14 on sheet CS102 calls for a motorized double swing gate, however the C1 referred to on CS504 shows a manual double swing gate. Please clarify if this gate is manual or motorized.	Motorized gate
93.	4-21-2017	4-26-2017	Motorized double swing gate Note 14 on sheet CS102 calls for a motorized double swing gate, however no specification section has been provided for this scope. Please provide a specification for this requirement.	Refer to Specifiation section 32 31 53 for perimeter fencing and gates
94.	4-21-2017	4-26-2017	Single man gate CS102 note 15 and detail C1/CS504 show a manual single man gate, however note 4/ES102 calls for a motorized gate. Please clarify if the single man gate is to be motorized and provide additional details.	Manual single man gate with access control via keypad.
95.	4-21-2017	4-26-2017	Access control What is required for access control hardware for the gate called out on note 15, sheet CS102?	Refer to Specifiation section 32 31 53 for perimeter fencing and gates
96.	4-21-2017	4-26-2017	Signage Please provide specifications for all signage required, site or interior/exterior	(for Civil): Dwg. CG301 shows a signage area; VA will provide future direction on signage, but the actual signage exterior signage package is not part of this project.
97.	4-21-2017	4-26-2017	Water sampling station CU103 water construction note 8 calls for contractor to provide a water sampling station. Please provide additional details for this requirement.	Water sampling station shall comply with UDEQ regulations – no detail will be provided

98.	4-21-2017	5-5-2017	Storm drain Note 1/ sheet CU301A, note 1/CU301B calls to connect new storm line to the “Urgent Care Renovation, currently under construction”. It does not appear that this project has started. Will the Urgent Care Renovation catch basin be installed at the time of this new storm drain connection?	The VA will take of the storm drain. The storm drain is not part of this project.
99.	4-21-2017	4-26-2017	Underground fuel tank Detail F1/CU501 notes an underground fuel tank system, however a specification section has not been provided for this scope. Please provide specifications for underground fuel tanks and also facility fuel piping.	Specification 23 13 13 issued as part of Amendment A00003. See attached: Attachment - Spec Section 231313 Underground Storage Tanks
100.	4-21-2017	4-26-2017	Ballast pad Detail F1/CU501 shows a concrete ballast pad for the fuel tank. Please provide dimensions and structural details for these pads	Ballast pad design shall be provided by tank supplier. For bidding purposes the volume of reinforced concrete ballast pad will approximately be 30-35% of tank volume after backfill, site paving and empty tank weight is considered.
101.	4-21-2017	4-26-2017	Mechanical yard Please provide details for the size, type and color of the gravel for the mechanical yard area shown on LP101	The stone shall be a washed river stone indigenous to the area of random size up to 1-1/2”
102.	4-21-2017	4-26-2017	Knock out section Note 7 sheet AE108 calls for a “knock out section” for future door. Please provide further detail for this requirement, opening size, closure material, etc.	The knock out section is simply the same construction with the wall framing situated such that the portion of the remaining wall materials can be removed in the future without disturbing the structure of the wall.
103.	4-21-2017	4-26-2017	Mechanical screenwall Please provide a spec section for the mechanical screenwall shown on sheet AE108, AE403	Sheet S-103 indicates top of steel elevation at 136'-0”. Refer to S-103 and S-402 for screenwall plans and sections for structural steel framing.
104.	4-21-2017	4-26-2017	Bid alternate #10 Will the vacuum separators (Tecan) mark E5 shown on AE109, AE303 be included as part of the deductive alternate #10 for the casework?	Yes

105.	4-21-2017	4-26-2017	Bid alternate #11 Will flooring and base be included as part of this deduct alternate? If flooring is included, will it still match the finish schedule with multiple flooring types, or will it be changed to one continuous flooring material and base type (carpet or LVT)?	Floor finishes shall remain in the project, of types and quantities shown.
106.	4-21-2017	4-26-2017	Bid alternate #11 Will the acoustic ceiling tile be removed as part of bid alternate #11?	No
107.	4-21-2017	4-26-2017	Bid alternate #11 Will the lighting layout change if bid alternate #11 is taken, if so, please provide an alternate lighting RCP plan?	Yes, but not overall fixture count
108.	4-21-2017	4-26-2017	Warranty Please confirm that any warranty referenced in the specifications, even if it modifies FAR clause 52.246-21, beyond one year is intended to be a manufacturer's warranty for the product as referenced in the specification section.	Correct
109.	4-21-2017	4-26-2017	Parking Will parking be provided onsite for construction personnel?	Contractor parking will be allowed within contract limits only. No other accommodations are available.
110.	4-21-2017	4-26-2017	Utilities Will the contractor be charged feed for electric or water utilities for use in this project?	The electric and water will be made available to the contractor.
111.	4-21-2017	4-26-2017	Office trailer Will a project office trailer area be provided for the contractor's use on this project? Please provide a location.	All items for the contractor's use shall be contained within the construction boundaries including trailers, lay-down, etc.
112.	4-21-2017	4-26-2017	Laydown Will a laydown area be provided for the contractor's use on this project? Please provide a location.	See above
113.	4-21-2017	4-26-2017	Utility as built Will CAD drawings be required for utility as-builts?	No

114.	4-21-2017	4-26-2017	TB screening Will TB screening be required for this project per 01 35 26 1.3	No
115.	4-21-2017	4-26-2017	Rooftop mechanical screenwall What is the elevation to the top of the perforated mechanical screenwall? Please provide a detailed drawing for this scope including dimensions.	Sheet S-103 indicates top of steel elevation at 136'-0". Refer to S-103 and S-402 for screenwall plans and sections for structural steel framing.
116.	4-21-2017	4-26-2017	Rooftop mechanical screenwall Please provide a spec section for the mechanical screenwall shown on sheet AE108, AE403	Sheet S-103 indicates top of steel elevation at 136'-0". Refer to S-103 and S-402 for screenwall plans and sections for structural steel framing.
117.	4-21-2017	5-11-2017	CMU sealant Sheet AE405detail 2, AE406 detail 1 calls out 8" sealed CMU, please provide specifications for the required sealant.	A standard CMU sealant to prevent water penetration is adequate for use where applicable.
118.	4-21-2017	4-26-2017	We would like to propose the following Florock products as an equal/and or performance equal to the products specified. I have included the links below to the Florock equals.  Please advise us if we can be approved so that we can bid this project. System Specified: System Descriptions:  1. Monolithic, multi-component urethane chemistry resinous flooring system, Screed and steel finish trowel applied, chemical and thermal cycling and shock resistant. Self priming multiple component polyurethane mortar, quartz aggregates for texture and associated high performance urethane sealer Florock Equal System: FloroCrete SLX <a href="http://www.florock.net/wp-content/uploads/2014/09/FloroCrete-SLX-3.pdf">http://www.florock.net/wp-content/uploads/2014/09/FloroCrete-SLX-3.pdf</a> <a href="http://www.florock.net/wp-content/uploads/2013/11/FloroCrete-Color-Chart.pdf">http://www.florock.net/wp-content/uploads/2013/11/FloroCrete-Color-Chart.pdf</a>	Meet performance specifications identified.

119.	4-25-2017	5-11-2017	The gusset plate thicknesses are not called out, nor are the weld sizes for the gusset plates to base plate & columns. Please furnish the gusset plate thicknesses.	The gusset plate are left for the steel detailer to design connections and will be reviewed as part of shop drawing submittal.
120.	4-25-2017	5-11-2017	The gusset plate thicknesses are not called out, nor are the weld sizes for the gusset plates to base plate & columns. Please furnish the weld size for gusset plate to baseplate/column/beam.	The gusset plate are left for the steel detailer to design connections and will be reviewed as part of shop drawing submittal.
121.	4-26-2017	4-27-2017	Can a time extension of two weeks be provided for this project?	A time extension will be provided, but it will not be for two weeks. Please refer to Amendment A00003.
122.	4-26-2017	5-4-2017	Please furnish Drg. AE408 that includes layout and details for Clerestory Windows. Ref: F1/S-402. We need that drawing for elevations required.	Paradigm sees that AE408 was included in the sets released for bids.
123.	4-27-2017	5-4-2017	The existing panel in the Building 2 electrical room GB05 is an XLS panel. Print FA501/F7 refers to the panel as being an MXL. Print FA107, note 1, directs the fire alarm contractor to remove the existing panel, and replace it with what amounts to the same panel. Does the VA want the fire alarm contractor to replace the XLS panel with an XLS panel?	Print FA501/F7 and Print FA 107 should read XLS, therefore the existing panel is to remain.
124.	4-27-2017	5-4-2017	Spec section 2.6.A refers to an emergency voice communication system being "throughout the Genomics lab and Building 2". All of the notification devices currently in the existing Building 2 are Gentex horn/strobes connected to the NAC panels with 2-conductor cable. Is it the intent of the scope-of-work to replace all of the existing notification devices, and cable, located in Building 2, with Siemens speaker/strobes and 4-conductor cable?	It is not the intent of this project to upgrade any devices within the existing building 2.

125.	4-27-2017	5-4-2017	Print FA107, note 4, requires the two panels to communicate. This can only be done by installing a 'Global PMI' in one of the two panels. This will make the panel with the 'Global PMI' the main control panel for the entire VMAC fire alarm campus network. To clarify, someone accessing that panel could change programming/functions in any of the other fire alarm control panels on the campus. That situation would make the entire campus fire system very vulnerable to someone tampering with the panel in Building 2. Is that the desired system function? To allow each of the panels in Genomics/Building 2 to recognize the other panel is in alarm/trouble relay modules and supervisory modules could be used. Would the VA prefer that method?	Building No. 2 shall have its own FACP (Fire Alarm Control Panel) as indicated on drawing FA102, see "Fire Alarm Plan Notes" No. 3 and 4, per notes on drawing FA102 the new FACP shall interconnect to the existing fire alarm system, the new FACP shall be compatible with existing fire alarm system, see drawing FA107 for further information. Also see specifications "Fire Detection and Fire Alarm" 283100 sections 1.1.C.D.E. and F which state the new fire alarm system shall be manufactured by Siemens model No. XLS, shall connect to the existing main fire alarm system via digital communicating transmitter in accordance with NFPA 72.
126.	4-26-2017	5-4-2017	Fire protection - Note 2 shown on sheets FX101 and FX101 list "interior of freezer to be protected by dry pendant sprinklers(200 degrees Fahrenheit) please clarify what is required for this area as the freezers are not part of this solicitation.	The freezers are not part of this project and will be installed at a later date. This information regarding the freezers is for record only.
127.	4-26-2017	5-4-2017	Alternate #4 - Please clarify the extend of construction to be removed as part of deductive alternate #4. Is the entire building section to be removed including foundation, elevator pit, building shell, roof?	Yes
128.	4-26-2017	5-4-2017	Alternate #5 lighting - An alternate lighting plan has not been provided for the mechanical yard in the event that alternate #5 is taken, there will not be a wall in place to mount the fixtures shown on sheet EL106	Fixtures would be deleted as well
129.	4-26-2017	5-4-2017	Generator fuel piping - Please provide drawings/routing for the generator fuel piping including any necessary fuel pumps.	This is a contractor coordination item between tank and generator.
130.	4-26-2017	5-4-2017	Generator pad - Please provide details/dimensions for the generator pad including subgrade requirements, thickness, concrete type and reinforcement requirements.	This will be the responsibility of the contractor to coordinate with the generator manufacturer requirements for seismic areas.

131.	4-26-2017	5-4-2017	Cable tray - Sheet ET107 has a callout listing that the contractor shall be responsible for removing existing devices within the ceiling system and re-installing in order to install cable tray wire management system. Please provide additional information, as built plans and photos so that this feature of work can be bid appropriately.	Contractor shall either visit the site prior to providing pricing or make assumptions based on normal conditions for laboratory type building corridors ceiling areas.
132.	4-26-2017	5-4-2017	Cable tray - Is there adequate room in the ceiling shown on ET107 to install the new cable tray?	This will be a contractor coordination item.
133.	4-27-2017	5-4-2017	Spec section 2.13-E. The software required to access the panel programs to add/delete devices, make changes to circuits/zones, system operation and changes to the evacuation/instructional messages is assigned to a company after a technician from that company has been certified by Siemens. An employee from the George E Whalen VMAC will need to attend a certification class, at Siemens headquarters, in order to become Siemens Zeus software qualified, and thus have a software license assigned to perform those tasks. When the hospital technician changes any programming/functions on the system, the hospital would then assume liability for that system. The general cost for all expenses paid training is \$7500.00, per technician. Is that the intent of the spec? If so, how many employees will the hospital be sending to the training?	As the VAMC already has the main terminal and several of the panels existing, no training beyond that necessary and specific to the new additional shall be required.
134.	4-28-2017	4-28-2017	The VA would like to change the response provided for Question #114, "TB screening Will TB screening be required for this project per 01 35 26 1.3?"	The response for TB Screening is YES. Please follow the Pre-Construction Risk Assessment for the Transmission of Tuberculosis (TB) form that is listed in Drawings Volume I – Part I and the form provided in Amendment A00004.

135.	4-28-2017	5-5-2017	Please verify if section 01 91 00 3.9 will be enforced as part of this solicitation. Is it the Government's intention that the contractor engage in the production of a compilation of professional training videos as detailed in section 3.9 parts A thru I?	<p>Section 01 91 00 3.9 is to be followed as specified, EXCEPT,</p> <p>01 91 00 3.90 C. 5. (Demonstration and Training Recording, a.-e.)</p> <p>01 91 00 3.90 C. 6. (Transcript)</p> <p>01 91 00 3.90 D.3.( Photographer Qualifications)</p> <p>01 91 00 3.90 F. 1.d. (medical equipment)</p> <p>1 91 00 3.9 2. G.2.g. (Maintenance service agreements)</p> <p>01 91 00 3.9, I. (Demonstration &amp; Recording, 1.-4.)</p>
136.	4-28-2017	5-5-2017	Resinous Urethane and Epoxy Mortar Flooring - Warranty: Manufacture shall furnish a single, written warranty covering the full assembly (including substrata) for both material and workmanship for a extended period of three (3) full years from date of installation, or provide a joint and several warranty signed on a single document by manufacturer and applicator jointly and severally warranting the materials and workmanship for a period of three (3) full years from date of installation. <u>A sample warranty letter must be included with bid package or bid may be disqualified.</u> Please clarify if this warranty letter is required to be included as part of the bid package.	<p>This is not required at time of proposal submission. However, this will need to be submitted during the submittal period.</p>

137.	4-28-2017	5-11-2017	Fire Detection & Alarm - Guarantee Period Service: Complete inspection, testing, maintenance and repair service for the fire alarm system shall be provided by a factory trained authorized representative of the manufacturer of the major equipment for a period of 5 years from the date of acceptance of the entire installation by the Contracting Officer. Please verify that the fire alarm contractor will be required to provide inspection, maintenance and repair services for a period of 5 years from the date of acceptance.	Fire Detection and Alarm – 1.6 Guaranty Period Services shall be part of section 1.5 Warranty and be applied for one year, not five years. All references to guaranty period services shall be considered part of warranty.
138.	5-1-2017	5-4-2017	BMS - What is the existing BMS system currently installed on this campus?	Johnson Controls
139.	5-1-2017	5-5-2017	BMS - Who is the existing BMS/EMS contractor currently supporting the existing system?	Johnson Controls
140.	5-1-2017	5-4-2017	We want to bid the exterior and interior handrail. We would like to know if it is core drilled into the block wall? Is the interior rail core drilled also or base plates?	Base Plates are acceptable
141.	5-2-2017	5-4-2017	I would like to ask a questions about the Medium Voltage Cables size. The drawings do not state that cable size for the main medium voltage cables. Please specify.	Contractor to size per NEC for the 100Amp indicated and the appropriate service requirements and voltage drop of 2%.
142.	5-3-2017	5-4-2017	What are the capacities of the Ultra Low Temp. Freezers?	The Ultra Low Temp Freezers are not part of the project
143.	5-3-2017	5-4-2017	Please provide Drawing EP102a?	The set does not include a EP102a, but does include a n EP502a
144.	5-3-2017	5-4-2017	Please provide pages AE114 & AE115. Reference Page AE108 note #12.	Disregard reference to AE114 and AE115 and refer to detail #2 sheet AE108.

145.	5-3-2017	5-4-2017	Please clarify the response to RFI #25. The spec section 11 53 23 provided appears to be for walk in type freezers as is shown as “future” for related mechanical equipment. We can find no reference to the installation any walk in freezers. There are no elevations included, or plan layouts showing freezers to be installed. Are the walk in freezers to be provided by the contractor as part of this solicitation or are they “future”?	The ultra low temperature freezers are not part of this project, but the freezer equipment will be installed on the finished floor upon completion of this project.
146.	5-3-2017	5-4-2017	The response for RFI #25 states that “freezers shall be purchased and installed by the contractor”, however there are no plan details or specifications for these Lab freezers/Lab dry ice freezer. The only reference that can be found is the equipment schedule on AE109 that calls for E1 Revco freezer and E4 Dry ice freezer and listed as owner installed and owner provided. The architectural elevations show an outline where a freezer would go for the E1 locations but no specific details to this Equipment. The E2 dry ice freezers are not shown on the elevations. The spec section 11 53 23 provided does not include these types of lab freezers. Only panel type room walk in freezers. Please clarify if the Lab equipment freezers are to be provided by the contractor and if so, provide the additional needed information to provide the correct pricing.	The ultra low temperature freezers are not part of this project, but the laboratory freezer equipment identified in the equipment schedules on sheet will be provided and installed by the contractor as part this project. Refer to AE109
147.	5-4-2017	5-5-2017	We have been getting some calls from elevator companies asking if this will be extended one more time due to some remaining elevator questions.	Please see Amendment A00005 for the updated proposal submission date.
148.	5-9-2017	5-10-2017	Is it possible to schedule a site visit for our asbestos contractor?	Unfortunately, we are unable to support this site visit request at this point of the solicitation period. Please follow the asbestos plans in the solicitation and in Amendment A00001.

149.	5/11/2017	5/11/2017	Does the VA require the use of an FTP or SharePoint site for sharing large files?	Yes. The contractor shall provide an FTP or SharePoint site that the VA can access. VA IT Security is very particular on what sites will work on the VA Network. Two sites that typically work are Newforma and Procure. This is not a brand name request, but an acknowledgement of two known sites that work on the VA Network.
150.	5/15/2017	5/16/2017	What is included in the page limitation for Volume II?	See ATTACHMENT 1 – Section 00 11 21 RFP Specs – 3-28-2017. C.2 Proposal Format identified what does and doesn't count for the page limitations for Volume II.
151.	5/15/2017	5/16/2017	Please provide the blast specifications for each opening. Section 1.5 on page 2 leads me to assume these are Anti-Terrorism openings, so I would need the Charge Weight (sometimes listed as explosion weight or weight of TNT), Standoff Distance, and Level of Protection for each.	Recent coordination with VA has resulted in specifying 14ga doors and laminated glass (if glass is used), all open towards detonation location, however the heavy duty frames and anchorages still need to withstand forces calculated. For the walls, B2 response is specified which is consistent with a building Medium level of protection. Per the VA's Physical Security Design manual, door frame rotations are simply limited to L/60.  Exterior doors (for exterior blast) : Max P-delta resistance = 1.65 psi Interior (mailroom/screening): Max P-delta resistance = 2.86psi

