

RFI	QUESTION	RESPONDENT	RESPONSE
1	Specification section 010000.11.1 states that all demolition work and work for installation of new AHU's shall be performed at nighttime or weekends. Please confirm if this is required.	SI	Work may be performed M-F between the hours of 6AM to 5PM. Demolition work or other activities generating excessive noise or vibration and interrupt museum functions or create public disturbances may be required to be performed during off-hours. See section 27.2.
	Please confirm is asset tracking is a requirement for this project.	SI	Yes, asset tracking is required for this project. <b>See Log attached for reference. Color columns to be completed during project and supplied with each monthly payment application. Log will be provided at pre-construction meeting.</b>
	Reference: Drawing E001 Electrical Symbols, Drawing E-4.1-01, Motor Starters – The symbol for motor starters and disconnect switches on drawing E001 says shaded symbols indicates supplied with equipment. The circulating pumps on Drawing E-4.1-01 shows starters/disconnect switches. Please clarify, are the starters/disconnect switches shown with the circulating pumps supplied with the equipment?	AECOM	Per the symbols shown on E-4.1-01, the motor starters and disconnect switches for each circulating pump are not supplied with the equipment and to be provided by the Electrical Subcontractor. However, it is acceptable to have a the motor starter/disconnect provided by the circulating pump AHU equipment supplier if possible; this needs to be coordinated through the GC.
	Reference: Drawing ED-6-01/E-6-01/E-6-02, Panel REH1 – Panel REH1 on Drawings ED-6-01 and E-6-02 shows (3) 175A Circuit breakers feeding Panels PAC1, PAC2 and PAC9. The Riser Diagram on Drawing E-6-01 shows (2) 200A and (1) 150A circuit breakers feeding these same panels. Please clarify, are new circuit breakers required in Panel REH1?	AECOM	Circuit breaker sizes shown in REH1 on E-601 have been coordinated with AHU-1, AHU-2, and AHU-9 requirements. Based on the sizes shown on E-601, yes new circuit breakers are required to replace the (3) existing 175A/3P circuit breakers. However, exact new circuit breaker sizing is contingent upon all (3) AHU submittals to confirm required circuit breaker size.
	Reference: Drawing E-5-01 General Note #2 – General Note #2 on Drawing E-5-01 says to provide conduit and wire between the AC Panel and the supply/return fan VFDs. Please clarify are we to provide a single point connection to the supply/return fan VFDs? Is the conduit and wiring between the VFDs and the Supply/Return Fan Motors installed by the AHU manufacturer	AECOM	Yes, the expected connection between the AC panel and the supply/return fan VFDs is a single point of connection, as shown in Detail 4 (both Details labelled 4 which is an accidental misnumbering of the details). Conduit and wiring between the VFD and the supply/return fan motors are to be installed by the Electrical Subcontractor.
2	Please confirm that the Smithsonian Institute is to provide a third-party contractor to install vibration monitors.	SI	<b>SI shall provide third-party contractor to install vibration monitors.</b>
	Please confirm that the contractor is to provide a full-time QC manager as outlined in the spec section 01000-13 part 18.	SI	Remove "Quality Control" Paragraph's 18.1 through 18.7 and replace with "Quality Assurance. The Contractor shall provide for quality control, inspections, testing and re-testing as necessary for all work, including that of subcontractors, to assure compliance with the contract documents."
	Please confirm that the contractor is to provide commissioning services.	SI	Correct. Contractor is providing commissioning services; but, SI is hiring the Commissioning Provider.
	Please confirm that the site superintendent can dual-hat as a safety coordinator.	SI	Superintendent can serve as safety coordinator also.
	On drawing A-1.1 01 note #6 the existing duct enclosure is to be removed. On drawing A-1.1 01 note #10 states that the same ductwork enclosure is to remain, please clarify what is to be done.	AECOM	The existing duct enclosure is to remain per Note 10 Page A1.1 01. The dashed lines and Note 6 to be removed from the existing duct enclosure on Sheet AD 1.1 01.
	What is the anticipated award date for this project?	SI	Mid Summer.
	Will the Smithsonian Institute move or relocate the artifacts storage cabinets to allow access to work, or is the contractor expected to move them?	SI	Smithsonian will relocate any artifact or cabinet requiring access to work.
	Due to the predicted long lead times for major equipment will the Smithsonian Institute be willing to adjust the contract period of performance to accommodate the unusually long procurement times, if the need arises?	SI	Upon verification of specific equipment lead times that impact the performance period, Smithsonian is willing to adjust contract performance period if needed at not cost.
	What is the current controls BAS system?	SI	Use Siemens system as described in Section 230923.
	Please provide contact information for the current BAS system vendor	SI	Michael J. Piotrowski Siemens Industry, Inc. Smart Infrastructure 6435 Virginia Manor Road Beltsville, Maryland 20705 Tel direct: (301) 837-2518 Fax: (301) 206-2141 Main: (301) 837-2600 michael.piotrowski@siemens.com
	Please provide structural as-built drawings of the floor area below where the 3 AHUs sit and the roof slab to be shored.	SI	Attached are structural drawings of this facility.
	Please provide building elevation drawings with height dimensions to help size the temporary stairs to the POD 1 roof and size the crane.	SI	Pod 1 roof elevation is approximately 30 feet above grade. Contractor should field verify during site walk.
	Please provide us with the opportunity for a follow-up site visit to see the roof.	SI	<i>The roof was accessible during the initial site visit. The additional site visit for 4/1/24 from 9:00 – 10:00 am.</i>
	General note #3 on drawing G-004 asks contractors to coordinate the crane setup location with the geothermal well field construction for POD 6. POD 6 footprint is not shown on drawing G-004, please highlight the geothermal well field and POD 6 footprint to enable contractors to size the crane. The crane reach will affect the size and cost of the crane to be assigned to the job.	SI	It was not known if the Geothermal well Field would be under construction during the crane lift periods for the project. The geothermal well field has been installed and will not impact the crane setup location. The Pod 6 Mockup structure that is located in the site footprint will be removed prior to any crane lift.
	Drawing M-301, detail C/M-301 shows AHU-9 having 3 knee wall rows, the structural drawing S-1.1 01 only shows 2 knee walls. Also drawing A-1.1 01 shows only 2 knee walls, with note #3 on AHU-9 not pointing to the knee wall on the western side. Please clarify how many knee walls go under AHU-9.	AECOM	All sheets show 3 knee wall rows for AHU 9. The design, construction and installation of the knee walls shall be as per the structural drawings since knee walls are structural objects and responsibility of the concrete sub-contractor.

3	Please provide drawings and Other Information: Drawings of the project area(s) and the reference location(s) within the building may be provided upon request to assist in the Contractor's planning of the abatement work effort for protection of occupants and contents between the main FACP, Transponder and booster panels on every level as well as room locations and the Operations Office where the new panel to be located.	SI	Include hazardous materials and information identified in drawings HD-0-01 thru HD-1.4-03 and specifications.
	Please confirm who SI has contracted: NOTE: The SI has contracted independent air monitoring and testing services. The Contractor shall use a different firm for air monitoring and testing on this project.	SI	SI will not be providing independent air monitoring & testing services. Contractor may use whatever firm complies with the contract requirements.
	Please confirm if GC is to provide Professional Engineer for the design of the mechanical support framing, steel stairs, ladders & railings, as identified in drawings.	SI	Confirmed, GC is responsible.
	Can you provide the information (As-builts) as stated on Drawing MP101 for the temporary AC T1 that will be provided by the Government?	SI	There are no as-builts for AC-T1. This equipment is operational. Contractor is to maintain unit during usage and coordinate with COTR & building engineers
	Please provide the existing building BAS System.	SI	Use Siemens system as described in Section 230923.
4	The controls specifications, inclusive of sections 230923, 230923.11, 230923.12, 230923.14, 230923.19, 230923.23, and 230923.27 are not aligned with the Smithsonian Standard Controls specifications and requirements. * The following RFIs highlight some, but not all of the deviations, is the intent to utilize the current specifications or will the controls specification be updated/replaced with the SI standards?	AECOM	Specification 230923 has been replaced with Smithsonian standard spec. Specs 230923.11, 230923.12, 230923.14, 230923.19, 230923.23, and 230923.27 have been deleted and these requirements are covered in new Amendment 1's 230923.
	On Drawing MD1.1.01 Mechanical Coded Note "1" indicates that "...TEMPORARY CONNECTIONS TO UNITS WITH....MOTORIZED DAMPER". The Note "1" is applied multiple times/locations on the drawing while only one (1) MOD and one (1) AFMS are depicted. On MP1.01, Summary of Work Item "1 Phase 1A" states "PROVIDE BYPASS DUCT BETWEEN.....AND MOTORIZED DAMPERS" (dampers plural). On MP1.1.01 thru .05, there is only one (1) MOD and one (1) AFMS depicted. * Are multiple MODs and/or AFMSs required or is just one MOD and one AFMS required? Please clarify. * The bypass MOD and AFMS seem to move from drawings MP1.1.01 thru .04 to that which is depicted on MP1.1.05. Is the intent to move the devices (per MP1.1.05) once the	AECOM	<i>The MOD and AFMS have been deleted as part of Amendment 2.</i>
	On Drawings M1.1.01, M1.1.02 and M1.1.03 Mechanical General and Coded Notes refer to new and replacement combination temperature and humidity sensors located throughout the POD. The current sensors utilize a combination of exposed plenum-rated wiring (not in conduit or wire-mold), wire in wire-mold and wire in conduit. Also, a number of locations utilize double-side tape to affix the boxes & sensors to the structure (this application was at the direction of SI to avoid drilling of anchors and creating dust/particulate in the collections spaces). * Shall the replacement sensors (both new, relocated and existing to be replaced) utilize the same approach - combination of exposed plenum-rated wiring (not in conduit or wire-mold), wire in wire-mold and wire in conduit as well as double-side tape to affix the sensors to the structure? * Or should all of the sensors (new, relocated and existing to be replaced) be reinstalled utilizing wire in conduit with sensors, boxes and conduit physically anchored? * As a result of relocating sensors, and the demo of the existing AHUs & controllers, the existing sensor wire integrity will be compromised and will most likely need to be spliced. SI standards do not allow for the splicing of sensor wiring. Is it acceptable to splice the sensor wiring or should new wiring be installed? * On M7.01 General Note "1", indicates that the sensor locations shall comply with ADA. The sensors do not include local user adjustment capabilities and are installed at heights dictated by local limitations and/or to avoid interference with artifacts and storage devices. Also, the current sensor locations do not follow ADA requirements. Do the new, replacement and relocated sensors need to follow ADA requirements?	AECOM	<del>* Provide wire in wire-mold or wire in conduit with double-sided tape to affix to the structure.</del> * Sensors, boxes and conduit shall be physically anchored. * Provide dust protection control covering the work area during installation of the sensors, boxes and conduits/wire mold. * Provide new wiring in wire-mold/conduit to all new and existing sensors. Splicing of sensor wiring is not allowed. *The ADA installation height will be determined by SI during construction on a case by case basis. The Amendment 1 drawings have been updated with these notes.
	On M7.02, the AHU bypass duct has two devices "M" (bypass air flow meter) and "AF-8" (bypass air flow monitoring station). * Please clarify the difference between "M" and "AF-8" devices. Are they both required?	AECOM	Second airflow meter is not required and has been removed. It was originally intended as bypass damper control point but was mislabeled. See Amendment 1 drawing showing renamed damper control and revised diagram.
	The details for the steam PRV and piping do not currently depict BAS/DDC monitoring of the low or medium pressure steam. * Should the low and/or medium pressure steam at each AHU PRV be monitored?	AECOM	Steam pressure monitoring has been added to Amendment 1.
	On Drawings M1.1.01A Mechanical Coded Note "2" refers to "TAB THE ELEVATOR....750 CFM". This note is applied to the T/H sensors located at Column Lines "J" & "8". * Please clarify the use of Note "2" at these sensors.	AECOM	Note 2 is incorrectly stated here. The correct note should be Note # 3 - "REMOVE OLD COMBINATION TEMPERATURE AND HUMIDITY SENSORS AND REPLACE WITH NEW SENSORS" in Amendment 1.
	Spec 230923 1.5.C.9.d, and 1.6.A.2 requires a local touch screen user interface be provided in each AHU. This type of local user interface does not align with Smithsonian standards. SI standards support the use of SI issued laptop access to the SI.EDU WAN (either via network drops or WiFi) for remote desktop connectivity to the Insight and/or Desigo Graphical user interfaces. * Is the intent to utilize the local touch screen user interfaces or to utilize the existing SI issued laptops?	AECOM	See Amendment 1 revised 230923 specification which does not include touch screen requirement. SI issued laptops is acceptable.
	Spec 230923 1.12 requires Preconstruction Testing using a 3rd party testing agency and field mockups. This is not a standard SI requirement. * This would require AHU simulators and engagement of 3rd party testing agency above and beyond the Cx. This will add significant cost to the project. Is this required?	AECOM	See Amendment 1 revised 230923 specification which does not include 3rd party testing agency and mock up requirements.

Spec 230923 2.4 requires separate Panel Mounted, Override Switches. This is not a standard SI requirement. These separate override switches have not been deployed at SI facilities. SI specifies that the DDC controllers include integral, manual override switches for all outputs (both analog and digital/binary) except for those which are part of a life safety application. * Please confirm that the separate panel mounted, override switches are not required and the use of DDC controller integral manual override switches are required.	AECOM	See Amendment 1 revised 230923 specification which does not include separate panel mounted, Override Switches. DDC controller integral manual override switches are acceptable.
Spec 230923 2.10 requires an ASHRAE 135 Protocol Analyzer. This is not a standard SI requirement. * In order to avoid the use of "Cross-Trunk Services", the new controllers on this project will not utilize BACnet IP, therefore the Protocol Analyzer will not provide a benefit. Is the ASHRAE 135 (BACnet) Protocol Analyzer required?	AECOM	See Amendment 1 revised 230923 specification which does not include this requirement. ASHRAE 135 (BACnet) Protocol Analyzer is not required.
Spec 230923 2.12 includes extensive requirements for controls enclosures. The controls enclosures on this project will be installed within the heated & ventilated service bay of each AHU. * Please confirm that the intent is to utilize the SI standard, Siemens NEMA 1 enclosures.	AECOM	See Amendment 1 revised 230923 specification which does not include this requirement. SI standard, Siemens NEMA 1 enclosures is acceptable per the Amendment 1 revised specification.
Spec 230923 2.17.C requires painting and banding of conduits and boxes. SI standard is to require/utilize Blue EMT for all controls conduits. * Should Blue EMT be utilized or should the installation follow the specified requirements?	AECOM	See Amendment 1 revised 230923 specification and update 1.9.R to include blue conduit requirement.
Spec 230923 3.11 requires Field Quality Control to include 3rd party testing agency, NETA testing, etc.. This is not a standard SI requirement. * This would require engagement of 3rd party testing agency above and beyond the testing by Siemens and the Cx. This will add significant cost to the project. Is this required?	AECOM	See Amendment 1 revised 230923 specification which does not include this requirement. Engagement of 3rd party testing agency and NETA testing is not required.
Spec 230923 3.15 and 3.16 requires I/O controller loop and validation tests. This is not a standard SI requirement. * This is above and beyond the start-up and check-out by Siemens and testing by the Cx. This will add costs to the project. Is this required?	AECOM	See Amendment 1 revised 230923 specification which does not include this validation testing but does require a less stringent control loop testing "3.4.B.5. Test each control loop to verify stable mode of operation and compliance with sequence of operation. Adjust PID actions."
Spec 230923 3.17 requires a Final Review. This is not a standard SI requirement. * This is above and beyond the start-up and check-out by Siemens and testing by the Cx. This will add costs to the project. Is this required?	AECOM	See Amendment 1 revised 230923 specification which does extensive final review requirements. Final Review beyond start-up and check-out by Siemens and testing by the Cx is not required.
Spec 230923 3.19 requires a minimum of 5 days of training. The requirements include coverage associated with basic DDC system concepts to the most advanced. SI has DDC training prerequisites for all SI employees who access the SI Enterprise-wide DDC system, therefore a majority of the specified training would be repetitive for the SI USROs and Eng Techs. * Please confirm that the intent is to have 5 days of project specific DDC training to focus on the AHUs associated sequences of operations & control devices while the generic DDC training is not required.	AECOM	See Amendment 1 revised 230923 specification which does not include as extensive training requirement. Confirmed, the intent is to have project specific DDC training to focus on the AHUs associated sequences of operations & control devices while the generic DDC training is not required.
Spec 230923.11 2.2 and 2.3 Control Valves * Please confirm, per SI standard, Siemens is an acceptable manufacturer.	AECOM	See Amendment 1 revised 230923 specification. Confirmed, Siemens is an acceptable manufacturer per Amendment 1 revised specification
Spec 230923.14 2.3.B In-Line Body Electromagnetic Flow Meter *Please confirm, per SI standard, Spirax Sarco, Rosemount and Siemens are the acceptable manufacturers. *Please confirm humidifier make-up consumption meters (electromagnetic, nutating disc, or compound technologies), per SI standard, Neptune, Badger, and Siemens are the acceptable manufacturers.	AECOM	See Amendment 1 revised 230923 specification and update acceptable manufacturers. *Confirmed, Spirax Sarco, Rosemount and Siemens are the acceptable manufacturers. *Confirmed, humidifier make-up consumption meters (electromagnetic, nutating disc, or compound technologies), Neptune, Badger, and Siemens are the acceptable manufacturers.
Spec 230923.27 Temperature instruments * Please confirm for air temperature sensors 2.2, per SI standard, Vaisala and Siemens are the acceptable manufacturers. * Please confirm for immersion sensors 2.3, per SI standard, Rosemount and Siemens are the acceptable manufacturers. o This project includes immersion sensors only at the AHU HW & CHW coils coupled with a FM for RTU calculations. Should these sensors be matched RTDs?	AECOM	See 230923 specification, the Amendment 1 revised specification doesn't call out specific manufactures for air and temperature probes but the listed manufacturer's are acceptable. * Confirmed, for air temperature sensors 2.2, Vaisala and Siemens are the acceptable manufacturers. * Rosemount and Siemens are the acceptable manufacturers. These sensors should be matched RTDs.
The existing MSC facility AHUs are all part of a previous Energy Savings Performance Contract (ESPC) whereas the sequence of operation (SOO) of each existing AHU provides DDC controls input/feedback to the MSC Central Plant DDC System to accomplish energy savings/optimization SOO algorithms such that the guaranteed savings are met/exceeded. * Please confirm that the new POD AHUs should be re-incorporated into the ESPC optimization SOO.	AECOM	Kindly note that design controls provides automation and connection with external ESPC company as long as Siemens and SI approve it. Please coordinate with Siemens further during construction. <i>The new AHUs should be re-incorporated to the ESPC with the same scope as the existing AHUs, see sheets M-7-03 and M-7-05.</i>
Sheet S-1.1-01 refers to a section detail 5/S-5-01 at specific new knee wall locations which will require shoring. Please confirm if shoring is only required at these specific locations, or if this section detail is typical. Also, please provide the imposed load that the shoring needs to be designed to withstand.	AECOM	The existing duct enclosure is to remain per Note 10 Page A1.1 01. The dashed lines and Note 6 to be removed from the existing duct enclosure on Sheet AD 1.1 01.
Demolition note 2 on AD-1.1-01 states that plastic sheeting is insufficient for protection of the open storage racks. No information is provided as to the quantity and sizes of racks needing to be protected. Please provide a detail of the protection that would be considered sufficient and provide sizes and quantities of the racks needing protection.	AECOM	See Specifications Div 1 Section 8.1 for handling of museum artifacts. Smithsonian will relocate any artifact or cabinet requiring access to work. See section 23.3 for type of wood to be used for hard protection. Protection of the site to be provided by GC under section 23.2.4 and 23.2.5 . Please coordinate with SI COTR for Quantity and size of open storage racks.
Specification Section 010000.18.4.1 requires that the CQC representative be a graduate engineer or architect with a minimum of 7 years of experience. Please confirm if this is required, and also if the superintendent can serve as the CQC representative.	SI	Not required and superintendent can serve as the CQC representative.
Drawing G 0 04, General Note 3 states that the crane location is to be coordinated with the geothermal well field to be constructed for Pod 6. Please provide a detailed dimensional drawing showing the layout of the new well field. The crane required for this project will be very large (>500 tons) and will require a large laydown area. If it cannot be erected where shown on the drawings this could have a significant cost impact to the project.	SI	It was not known if the Geothermal well Field would be under construction during the crane lift periods for the project. The geothermal well field has been installed and will not impact the crane setup location. The Pod 6 Mockup structure that is located in the site footprint will be removed prior to any crane lift.

	The specifications for piping seem to indicate that visual inspections will be required for welds along with hydrostatic testing of completed pipe runs, however there is also a reference to the Power Piping Code, ASME B31.1. Please confirm that visual inspections and hydrostatic pressure testing are all that is required, or provide an alternate acceptance criteria	SI	Visual & hydrostatic pressure testing is all that is required.
	Per Division 1, it appears that delegated design submittals are required for structural steel framing, HVAC Expansion Loops, HVAC Hangers and Supports, Vibration Controls for HVAC Piping, ATC Controls, Hydronic and Steam Condensate Piping, Ducts, Power Ventilators, Custom AHUs, Hangers and Supports for Electrical Systems and Fire Alarm Systems. Please confirm this is a complete and accurate list of what is expected.	SI	The specifications identify those items that require delegated design submittals.
	The temporary AHU to be utilized during construction is listed as furnished by the Owner. Please confirm that we can expect this unit to be in good working order when it will be required for this project (Q1 2025). Additionally please advise who will be performing the maintenance on this unit during the life of the project	SI	The Unit is in good working order now and is expected to be so during the contract period. AC-T1 is 3 years old. Contractor will provide maintenance during the life of the project.
5	Please confirm that existing electrical and water utilities are available for the Contractor's use and free of charge.	SI	Electrical and water utilities are available at no cost to the contractor. Connections to services are at contractor expense.
	Bid Docs state that all demolition is to take place "off hours". Can Electrical and Fire Alarm disconnection/demolition take place during normal working hours provided there is no excessive noise produced.	SI	Work may be performed M-F between the hours of 6AM to 5PM. Demolition work or other activities generating excessive noise or vibration and interrupt museum functions or create public disturbances may be required to be performed during off-hours. See section 27.2.
	Bid Docs state that work inside the new AHUs can take place during normal working hours. Can Electrical and Fire Alarm work on the 3rd floor take place during normal working hours?	SI	Work may be performed M-F between the hours of 6AM to 5PM. Demolition work or other activities generating excessive noise or vibration and interrupt museum functions or create public disturbances may be required to be performed during off-hours. See section 27.2.
	Is there a BOD model/cutsheets for the replacement AHUs for this project. If so, could these cutsheets be provided for bidding purposes.	SI	No.
	Please confirm if the Superintendent can also be a Quality Manager & Site Safety Officer on this project.	SI	Superintendent can serve as safety coordinator also. Remove "Quality Control" Paragraph's 18.1 through 18.7 and replace with "Quality Assurance. The Contractor shall provide for quality control, inspections, testing and re-testing as necessary for all work, including that of subcontractors, to assure compliance with the contract documents."
	Please confirm that no other personnel required aside from Superintendent/QCM/SSHO.	SI	Contractor shall provide personnel as required in project specifications.
	Are we required to have a separate team for normal and off-hours work. If yes, please clarify how many members of the supervision team is required.	SI	How contractor staffs project is at the discretion of the contractor. Supervision is to be provided at all times.
	Please clarify if hiring Commissioning Agent (CxA) is the responsibility of General Contractor.	SI	Contractor is providing commissioning services; but, SI is hiring the Commissioning Provider.
	For bidding purposes, please provide a quantity of temporary fence.	SI	Contractor shall provide enough temporary fencing to properly secure the lay down area needed by the contractor.
	Please provide details and specifications for temporary vertical and horizontal duct support.	AECOM	The duct supports are shown on Detail 6 sheet S-5-01. However, in lieu of anchoring the temporary supports to the roof, they shall be mounted on concrete paver blocks without disturbing the existing roof membrane as per coded note 1 on sheet MP-1-01.
	Please provide sign-in sheet.	SI	Sign-in sheet attached.
	Can we use the elevator as an alternative access to the roof?	SI	Only for personnel when working in POD 3. Stair tower shall be main access.
	Please provide the elevation of the parapet wall adjacent to the Mechanical units in the roof deck.	SI	Pod 1 roof elevation is approximately 30 feet above grade. Contractor should field verify during site walk.
	Note 6 in AD1.1.01 says "Remove existing duct enclosure." Note 10 in A.1.1.01 says "Existing metal ductwork enclosure to remain." Please clarify which is correct.	AECOM	The existing duct enclosure is to remain per Note 10 Page A1.1 01. The dashed lines and Note 6 to be removed from the existing duct enclosure on Sheet AD 1.1 01.
	A-1.1-01 - There are 2 undetermined items which are like pipe support rack located between AHU-2 & AHU-9. Please clarify if these items are new pipe support racks.	AECOM	The 2 items located between AHU-2 and AHU-9 are pipe support racks and should have Keynote 15 attached.
	Please confirm if we can install the new and existing stairs and platforms one time at a later stage of the construction.	SI	Coordinate with COTR.
	Please clarify if AISC requirements for fabricator can be waived.	SI	AISC certified fabricators are required.
	Please confirm that a Certified AISC Installer is not required in this project.	SI	AISC certified installers are required.
6	Please confirm there is no asbestos or hazardous materials within the area of work.	SI	Include hazardous materials and information identified in drawings HD-0-01 thru HD-1.4-03 and specifications.
	Please advise if any existing materials to be demolished contain asbestos. If asbestos is encountered, please advise who would be responsible for removing it.	SI	Contractor is responsible removing hazardous materials identified in drawings and specifications.
	Please provide the site visit sign-in sheet.	SI	Sign-in sheet attached.
	Does the Buy American Act apply to this project?	SI	Yes
	Please provide the deck height for Level 1 and Level 2.	SI	Level 1 is approximately 10 feet and Level 2 is approximately 20 feet above Ground Level.
7	With regards to the steam piping schedules, Spec Section 232215 Paragraph 3.1 and 3.2 outline what materials to use for each application. Please note that there are multiple places where the spec is calling for Schedule 80 pipe to be used with Class 150 fittings. Typically we would expect Schedule 40 pipe to be used with Class 150 fittings and Schedule 80 pipe with Class 300 fittings. Please clarify if this is the intent or, if not, please provide alternate direction. Please note that the answer may affect the specifications for the steam valves and specialties as well.	AECOM	The condensate return piping is schedule 80 because of corrosion inhibition and not for pressure class. Therefore this schedule 80 pipe can have Class 150 fittings. We noticed that the 2" and smaller LP and MP steam pipes were incorrectly scheduled as Schedule 80, they have been corrected to be schedule 40. See updated Spec in Amendment 2.

<p><b>8</b> Please confirm that temporary shoring is only required in areas where Detail 1/S-5-01 is placed.</p>	<p>AECOM</p>	<p>Confirmed. Shoring is required in areas where detail 1/S-5-01 applies.</p>
<p>For bidding purposes, please provide a count of monitors to be installed per floor level if monitor is required other than right below the roof and specifications.</p>	<p>SI</p>	<p>SI shall provide third-party contractor to install vibration monitors.</p>
<p>Are we required to provide slab shoring all the way to the first floor?</p>	<p>AECOM</p>	<p>It is recommended that the shoring extend to the first floor.</p>
<p>General Note No. 7 in drawing sheet no. MP.1.101 says "The street corridor served by AHU-9 will not have air supply from existing ducts. To maintain space conditioners in the corridor, provide temporary air-conditioning units in the street corridor. Coordinate with COTR for locations of the temporary units." Please provide a count of temporary units required and product data.</p>	<p>SI</p>	<p>Temporary air-conditioning units are not necessary for this project.</p>
<p>Can the awarded contractor use an alternative temporary duct support, like Unistrut on plywood or wood base instead of what is shown in detail 6/S-5-01?</p>	<p>AECOM</p>	<p>The contractor may propose a substitute means of temporarily supporting the ducts at the roof level provided the contractor submits the alternative detail for review and approval.</p>
<p><b>9</b> Coordinate General Note 1, M-7-01, height of sensors in order to protect sensors from accidental damage while moving collections.</p>	<p>SI</p>	<p>See Amendment #2 with updated sensor locations.</p>
<p>A/M-7-02, revise Unit Bypass and Coded Note 4.</p>	<p>SI</p>	<p>See Amendment #2 with revise Unit Bypass and Coded Note 4.</p>
<p>A/M-7-02, remove Bypass Air Flow Meter.</p>	<p>SI</p>	<p>See Amendment #2 with Bypass Air Flow Meter removed.</p>
<p>M-7-02, Variable Frequency Drive Interface's Status Frequency and Power should be AV instead of AI.</p>	<p>SI</p>	<p>See Amendment #2 with Variable Frequency Drive Interface Status Frequency and Power AV.</p>
<p>M-7-02, Humidifier Interface's Control Value should be removed.</p>	<p>SI</p>	<p>See Amendment #2 with Humidifier Interface's Control Value removed.</p>
<p>M-7-02, Humidifier Interface's Status should be AV instead of AI.</p>	<p>SI</p>	<p>See Amendment #2 with Humidifier Interface's Status AV instead of AI.</p>
<p>M-7-02, Humidifier Interface's Control Setpoint should be "Control Capacity."</p>	<p>SI</p>	<p>See Amendment #2 with Humidifier Interface's Control Setpoint changed to "Control Capacity."</p>
<p>A/M-7-02, include pressure switch in front of hot water coil.</p>	<p>SI</p>	<p>See Amendment #2 with temperature switch in front of hot water coil included.</p>
<p>A/M-7-02, include coil dat in front of hot water coil.</p>	<p>SI</p>	<p>See Amendment #2 with coil dat in front of hot water coil included.</p>
<p>A/M-7-02, include pressure switch in front of return fans.</p>	<p>SI</p>	<p>See Amendment #2 with pressure indication for monitoring only in front of return fans included.</p>
<p>A/M-7-02, separate Chill Water Coil Bypass Duct damper control from other damper.</p>	<p>SI</p>	<p>See Amendment #2 with separate Chill Water Coil Bypass Duct damper control included.</p>
<p>M-7-02, DDCS Points List's Supply and Return Fan AFMS calc not hardwired.</p>	<p>SI</p>	<p>See Amendment #2 DDCS Points List updated to include Supply and Return Fan AFMS CV, Calculated Value.</p>
<p>M-7-02, DDCS Points List's LS-4, LS-1, DA-2, and LS-2 include 2 position switch - open &amp; closed.</p>	<p>SI</p>	<p>See Amendment #2 DDCS Points List updated to include limit position switch as identified.</p>
<p>M-7-02, DDCS Points List's PS-3, PS-4, PS-5, include DPTE.</p>	<p>SI</p>	<p>See Amendment #2 DDCS Points List updated for PS-3, PS-4, PS-5 to include type AI.</p>
<p>M-7-03, update Sequence of Operations General Note 7 "controlled control graphic on DDC panel at unit.</p>	<p>SI</p>	<p>See Amendment #2 General Note 7 removed.</p>
<p>M-7-03, clarify Sequence of Operations, Mode Unit On, Note 6, why reset CHWDAT setpoint if space is above setpoint.</p>	<p>SI</p>	<p>See Amendment #2 Mode Unit On, Note 6 updated with face and bypass control update.</p>
<p>M-7-03, clarify Sequence of Operations, Mode Unit On, Note 8, humidify setpoint.</p>	<p>SI</p>	<p>See Amendment #2 Mode Unit On, Note 8 updated with humidify setpoint control.</p>
<p>A/M-7-04, clarify if all dampers should have Digital Output controls.</p>	<p>SI</p>	<p>See Amendment #2 updated Digital Output controls for DA-3, DA-5, and DA-7 to include type AO.</p>
<p>M-7-04, DDCS Points List's LS-6, LS-4, LS-1, and LS-2 include 2 position switch - open &amp; closed.</p>	<p>SI</p>	<p>See Amendment #2 DDCS Points List updated to include limit position switch as identified.</p>
<p>M-7-04, DDCS Points List's Supply Fan AFMS calc not hardwired.</p>	<p>SI</p>	<p>See Amendment #2 DDCS Points List updated to include Supply and Return Fan AFMS CV, Calculated Value.</p>
<p>M-7-04, DDCS Points List's PS-3, include DPTE.</p>	<p>SI</p>	<p>See Amendment #2 DDCS Points List updated to include type AI.</p>
<p>M-7-04, Variable Frequency Drive Interface's Status Frequency and Power should be NET instead of AI.</p>	<p>SI</p>	<p>See Amendment #2 with Variable Frequency Drive Interface Status Frequency and Power AV.</p>
<p>A/M-7-06, Sequence of Operation: EF-1, clarify DDC monitoring or control.</p>	<p>SI</p>	<p>See Amendment #2 with DDC monitoring and control.</p>

	B/M-7-06, Sequence of Operation: Unit Heater, clarify local or DDC monitoring and control.	SI	See Amendment #2 with DDC monitoring and control.
	C/M-7-06, Sequence of Operation: Unit Heater, clarify on/off cycling control.	SI	See Amendment #2 with updated on/off cycling control.
10	According to the specs we are to perform Testing, Adjusting, and Balancing (TAB) for each Air Handling Unit at the MSC. The drawings show AHUs 1, 2, & 9 being replaced as part of Phase 1. Please confirm that the contractor is to also perform TABs on AHU-3, AHU-4, AHU-7, and AHU-8, all in Phases 2 and 3 as called for in the spec Section 1.4 Phasing _ 230593-2.	AECOM	Scope for balancing AHU-3, AHU-4, AHU-7, and AHU-8 is not part of this project. Updated specifications have been issued as Amendment 02.
	Not all the pages referenced in the RFI responses were provided in the original drawing set. The original set only has 2 pages HD-0-01 and HD-1.1-01. The RFI responses reference pages HD-0-01 through HD-1.4-03. Please confirm that there are no missing pages despite the reference	SI	The referenced documents can be found in the original RFP package.
11	Does the temporary duct (48x36), that is to be connected to the (48x36) bypass duct be fabricated to the same standard as the bypass duct? Double-walled 10-gauge outer duct, 2" liner, and 10-gauge inner metal? Or single walled as is mentioned in the Spec section 233113 – 10, part 2 (Temporary Bypass Duct) Section c?	AECOM	Please see Specification 233113 paragraph 3.9 duct schedule which shows the Temporary Duct to be single walled duct. A slight correction needed is that the temporary duct bullet point needs to be 3.9.D and not 3.9.C.2. Additionally the word "Bypass" needs to be changed to "Supply". Please see updated specification issued with Amendment 2. See specification 230713 paragraph 3.6 and 3.7 for temporary duct insulation. Also, see specification 230713 paragraph 3.7.A with additional polymer protection to match the existing temporary ductwork that is already installed and will remain in place until the construction is complete.