Question 92: Keynotes 6, 7 & 8 refer to control panels for exhaust hose reels, air hose reels and electric cord reels.

Are these control panels intended to control all reels individually from one location?

Please provide specifications for these panels and wiring schematic/diagram.

Answer: All reels are to be individually controlled. Furnish and install one control switch per motorized reel in the one location shown on EP104. Control switches for each reel may be stacked in groups and be labeled with the identification of each reel, matching the label on the reel, which shall be readable from the floor. Refer to specification 22 15 13-2.9 for Hose Reel Units, specification 23 33 00-2.13 for Air Duct Hose Reels and specification 26 27 26-2.1 for Power Cord Reels. Reel controls are an accessory component provided by the manufacturer and are typically reversing switches, similar to projection screens. Provide wiring as required by manufacturer. In addition, see Amendment 0007 revised Sheets EP-104 and EP-105.

Question 93: In reviewing the requirements for this project it appears that 4 pressure washers rated at 3000psi have been called out for wash duties. Per TM 1-1500-344-23-2 and T.O. 1-1-691, these units are far in excess of the allowable pressures that are to be used to clean aircraft. Claims that the wash wand has to be held a certain distance away from the airframe and at a given angle have proven to be an issue in the past and many locations no longer approve such units for washing of aircraft.

Will you allow other wash equipment which is purpose built for washing aircraft and is compliant with the TM and the TO?

Answer: Other wash equipment may be considered after award in accordance with Substitution procedures per Spec Section 01 60 00, and as long as it meets the design intent and all performance requirements shown in the Contract Drawings. However, as clarification, the basis of design (as indicated in the Contract Documents on Sheet P-601 - POWER WASH SYSTEM SCHEDULE) is not a 3000 psi rated unit.

Question 94: There is a time delay from the manual release button being pushed, the alarms, and the HiEx foam valve activating. When will the 3.28 foot HiEx foam depth timing start? Upon the alarms sounding, or at the time of the deluge valve activation

Answer: The timer for both the 90% aircraft silhouette coverage within one minute and the 3.28 depth of coverage within 4 minutes shall begin as soon as the system is activated. If a manual release station is used to activate the system, the timer will start as soon as the manual release station is pulled. Performance requirements regarding the maximum time to achieve required depth of coverage are included in Specification 21 13 25 Section 2.1.

Question 95: Compressed air piping diagram schematic shows a pressure transmitter and control valve that appears to be connected to BAS. No points are listed in the function schedules or is a diagram included in the mechanical drawings. What alarm functions are needed, i.e. strobe, horn for
breathing air? Should CO monitor also provide alarm? Please explain what HMI stands for in same diagram.

Answer: The pressure transmitter and control valve shown on Detail C1/P-502 are to be connected to the BAS. The BAS will monitor the pressure in the compressed air line and operate the control valve to maintain the pressure at or above the low limit. If the pressure drops below the low limit, an alarm should be generated in the BAS. No local alarm notification such as horn or strobe would be required. Also, HMI stands for Human Machine Interface, basically referring to a user interface at the control panels associated with the point/sanding booths. Refer to revised Specification Section 23 09 23 – DIRECT DIGITAL CONTROL FOR HVAC SYSTEM, and Sheets M-703 and M-705 in Amendment 0006.

Question 96: Please define Charlotte-Douglas Air National Guard Base (ANGB) requirements for employee screening requirements, as required by specification 01 10 00 – 4 paragraph 1.7 G.

Answer: An employee qualified to perform work on the Charlotte-Douglas Air National Guard Base (ANGB) shall either be a US citizen or legal alien resident without a prior felony conviction within the past 10 years per AFI 31-101, Section 4.12 - 4.12.2.9 and the 145 AW Construction Handbook requirements. This information has been added in Amendment 0007, Section 01000. Further clarification will be provided by local NCANG installation POC's at project kick off meeting.

Question 97: Will the contractor be permitted to have designated smoking areas within the confines of the construction site?

Answer: Yes, as long as they're at least 50 feet away from pedestrian doors and the contractor can prove locations will not jeopardize LEED Silver Certification per AFI 40-102 section 3.1.3.1 requirements. This information has been added in Amendment 0007, Section 01000.

Question 98: Specification 01 10 00 – 5 para. 1.8 H. requires the contractor to pay all applicable permit fees and tap fees. Who has inspection jurisdiction? Who has permit issuance authority? What are the applicable TAP fees?

Answer: Contractor shall be responsible for obtaining the following permits (and payment of all fees) to include but not limited to:

• Storm water General Permit (NCG01) for Construction Related Activities – Obtained from the North Carolina Department of Environmental Quality

• Soil Erosion & Sedimentation – Obtained from the North Carolina Department of Environmental Quality

• FAA Form 7460-1: Notice of Proposed Construction or Alteration (Required for use of cranes are on-site. As clarification, Hangar and SIM buildings have already obtained FAA approval) – Obtained through the FAA/Obstruction Evaluation/Airport Airspace Analysis (OE/AAA) Office

• Water & Sewer: North Carolina Air National Guard

• Natural Gas: Piedmont Natural Gas.
Questions and Answers (92-155)
Date: January 30, 2018
Solicitation Number W91242-18-R-0001
C-17 Corrosion Control and Fuel Cell Hangar

- Electricity: Duke Power
- Telephone/Internet: North Carolina Air National Guard

This list is being provided as a courtesy only and that it is still the responsibility of the general contractor to identify all required permits IAW Section 01 10 00, Section 1.8 H.

**Question 99:** Will the contractor be required to secure FAA permits for this project?

Answer: Per Spec Section 01 10 00, 1.8.H and 01 14 16, 1.4.B, Contractor shall be responsible for submitting FAA Form 7460-1: Notice of Proposed Construction or Alteration to FAA OE/AAA and obtaining approval prior to the commencement of construction for the use of a crane on site.

This information is being provided as a courtesy only and that it is still the responsibility of the general contractor to identify all required permits IAW Section 01 10 00, Section 1.8 H.

**Question 100:** Does the contractor have any requirements or possible cost with the securing of Storm water permits, nitrogen buy-down costs or other erosion control permitting?

Answer: Yes. Contractor is responsible for obtaining all environmental permits to include but not limited to the Storm water General Permit (NCG01) for Construction Related Activities and Erosion and Sediment Control through the North Carolina Department of Environmental Quality and payment of all associated fees.

This information is being provided as a courtesy only and that it is still the responsibility of the general contractor to identify all required permits IAW Section 01 10 00, Section 1.8 H.

**Question 101:** Reference S-510 through S-512, Is it permissible to drill and epoxy the CMU reinforcing dowels verse casting the dowels as shown with the concrete pours? If so, please provide a detail for the drilling and epoxy requirements.

Answer: CMU wall dowels shall be cast-in. Drilled and epoxied dowels are not permitted.

**Question 102:** Section 00110, 2.5.1.4. Please confirm if the breakdown for communications support should include Division 27. Please confirm if the site electrical work should go in Division 26 under Comm Support or the Site Utilities line item.

Answer: Communications support should include division 27 and electrical site work should go in division 26.

**Question 103:** Section 01000, Section 22.2 notes that asbestos containing materials may be encountered. Please confirm if any unknown hazardous materials are encountered, and the contractor is given a change order to properly dispose of them, that the Gov’t will be listed as the generator of the pre-existing hazardous materials on the shipping manifests

Answer: No known asbestos containing materials are known at this time.
Question 104: Section 011000, 1.8H. This section (and 01 14 16 1.2.A) reads that the GC is responsible for all General and Utility Permits. Most Federal projects are not subject to building permits as they are on Federal property. Please confirm what permits are required for this project.

Answer: Contractor shall be responsible for obtaining the following permits (and payment of all fees) to include but not limited to:

- Storm water General Permit (NCG01) for Construction Related Activities – Obtained from the North Carolina Department of Environmental Quality
- Soil Erosion & Sedimentation – Obtained from the North Carolina Department of Environmental Quality
- FAA Form 7460-1: Notice of Proposed Construction or Alteration (Required for use of cranes on-site. As clarification, Hangar and SIM buildings have already obtained FAA approval) – Obtained through the FAA/Obstruction Evaluation/Airport Airspace Analysis (OE/AAA) Office.

This list is being provided as a courtesy only and that it is still the responsibility of the general contractor to identify all required permits IAW Section 01 10 00, Section 1.8 H.

Question 105: Section 014000, 1.5.G. If the contractor submits the qualifications for a testing agency after award and they are acceptable, is there a need to submit a list of 3 firms?

Answer: Three must be submitted for approval.

Question 106: Clause 52.211-10. Please confirm if any of the items in 01 77 00 can be completed after 540 CD (i.e. Final Punchlist or Gov't Training), or if everything in 01 77 00 needs to be completed prior to the 540 CD deadline.

Answer: Everything needs to be completed prior to the 540 CD deadline.

Question 107: Detail A2 on C-002 shows the main construction entrance coming in from the North where 1st Flight Drive and Minuteman Way meet. Is the contractor expected to install a temporary security booth at this location? Who will provide the security guards for screening workers entering the site at this location?

Answer: An opening in the fence and a temporary road have been constructed under a separate project, allowing for construction vehicle access on to the installation. Security at the construction entrance will be provided by the North Carolina Air National Guard (NCANG). Further clarification will be provided by local NCANG installation POC's at project kick off meeting.

Question 108: Reference Article 17 of 01000:

a. Please confirm if the Contractor is responsible for performing background checks and badging for all tradesmen, or if background checks and badging are required for foreman and supervisors only.
b. Article 17.3 references HSPD12 and FIPS PUB Number 201. Article 17.5 states that Contractors shall follow instructions provided by the Security Forces of the 145th Airlift Wing. Please provide additional specific instructions that are anticipated for security, background checks, and badging.

Answer: An employee qualified to perform work on the Charlotte-Douglas Air National Guard Base (ANGB) shall either be a US citizen or legal alien resident without a prior felony conviction within the past 10 years per AFI 31-101, Section 4.12 - 4.12.2.9 and the 145 AW Construction Handbook requirements. See Answer to question 96. Further clarification will be provided by local NCANG installation POC's at project kick off meeting.

Question 109: Are the water and sanitary sewer utilities owned by Charlotte Water? If so, are the very large water and sewer connection and capacity costs to be included by the prime contractor for the multiple water and sanitary sewer utility connections? These costs could be in excess of $100,000 each.

Answer: Water & Sewer utilities are owned and maintained by the North Carolina Air National Guard. The Contractor is responsible for the identification, obtaining, and payment of all Construction Permit and tapping fees (both temporary and final hook-up) that may be required for the construction of the project (per Section 01 10 00, 1.8.H)

Question 110: 03 30 00-2.5.H notes Color Pigment for concrete materials. Please clarify this is not required. If so, please indicate what concrete is required to receive this admixture.

Answer: Color pigment is not required. Refer to revised specification section 03 30 00 - CAST-IN-PLACE CONCRETE.

Question 111: Drawing S-001, Div 01-1.2.A notes all walls are to be braced/shored until floors and roofs are in place. Please provide requirements on the bracing as the masonry specification does not clarify the requirements.

Answer: Per note 1.2.C. Shoring shall be designed by the Contractor. Per Note 1.1.F., all temporary bracing and shoring shall be designed by structural engineers licensed in the State of North Carolina employed by and working on behalf of the Contractor. Temporary bracing and shoring are part of the means and methods of construction, and are therefore the sole responsibility of the Contractor.

Question 112: Drawing A-573, details D1 and D2, show a concrete base for the lockers and 4" ground face CMU. The finish schedule on A-602 notes CWB-1 for the wall base. Please verify CWB-1 wall base is to be used, not 4" ground face CMU.

Answer: Provide base as scheduled at lockers. See Amendment 0007, revised A-573.

Question 113: Reference sheets A-401, A-402, and A-411. The height of the wall tile in the restrooms is unclear in some areas. These areas include the elevations that are not shown in each restroom (only 2 elevations shown per restroom), and the walls at the sides on the toilets. Please provide extra elevations for accurate pricing.
Question 114: Drawing C-001, under "Survey Notes", there is a note of a field survey completed by LDSI Dated March 2017. Please provide this survey.

Answer: The topographic survey performed by LDSI is depicted on sheet C-101 'Existing Conditions Plan'. Electronic files of the topographic survey will be made available to the contractor after award.

Question 115: Many of the odd shaped concrete pavement panels are not shown as (*) Welded Wire Reinforced. Will all odd shaped panels require reinforcement or will only those identified on plan sheet CS-102 be reinforced?

Answer: All non-rectangular sections of pavement shall require welded wire reinforcement. See Amendment 0007, revised sheet CS-102 issued as part of this response for revision to where welded wire reinforcement is to be placed.

Question 116: Detail 2, Sheet C-501 shows the 6" concrete pavement to be welded wire reinforced. The plans show the 6" rigid concrete aircraft pavement to only reinforce the odd shaped panels. Is all the 6" concrete to be reinforced or only those slabs shown on plan sheet CS-102?

Answer: Rigid concrete pavement for the aircraft apron shall be 12.5-inch thick concrete per detail 7 on sheet C-501, and noted on sheets CS-101 and CS-401. The 6-inch rigid concrete pavement with WWR is required at the access drives off of Hercules Blvd, as shown on sheets CS-101 and CS-401. Requirements for reinforcement of aircraft apron rigid pavement, per detail 7 on sheet C-501, is shown on CS-102. See amendment 0007, updated sheet CS-102 issued as part of this response.

Question 117: There is a conflict between expansion joint seal details shown on sheet C-505 and C-506. One shows preformed elastomeric and the other shows poured joint sealant. Which detail is to be used on this project?

Answer: Requirement for preformed elastomeric expansion joints has been withdrawn. See Amendment 0007, revised sheet C-506.

Question 118: Detail 8, sheet C-506 shows pavement tie-in details at the Hangar. Are the base layers under the pavement reversed from what is shown on detail 7, sheet C-501?

Answer: Aggregate base layers are to be remain consistent with detail 7 on sheet C-501. See Amendment 0007, revised detail 8 on sheet C-506(R1) for additional clarification and issued as part of this response.
Question 119: There is a conflict in dowel bar size. Sheet C-501, detail 7 says #9 x 20” @ 15” OC for 12.5” concrete. Sheet C-506 shows dowels 1” x 16” @ 12” OC. Plan Sheet CS-102, note 3 says 1-1/4” x 20” @ 15” OC. Which is correct?

Answer: Dowels shall be #9 rebar at 20-inches long and spaced at 15-inches on center, per detail 7 on sheet C-501. See Amendment 0007, revised detail 3 on sheet C-506(R1) and revised noted #3 on sheet CS-102 issued as part of this response.

Question 120: What dowel bar size should be used for the 6” rigid concrete pavement? None are shown in the plans.

Answer: Dowels for 6-inch rigid concrete pavement shall be ¾-inch diameter by 16-inches long, spaced at 12-inches on center. See Amendment 0007, revised detail 2 on sheet C-501 issued as part of this response.

Question 121: The pump house is shown on the joint layout drawing CS-102. This building is built on a footing foundation, which means the 12.5” concrete pavement will be poured up to the building foundation walls. This creates more odd shaped panels (and therefore, welded wire reinforced) around the building which are not shown on this plan sheet. It also does not show an expansion joint along the building foundation tie-in to the aircraft pavement. Please provide clarification and a detail for the joint around the pump house.

Answer: Per specification 32 13 13 ‘Concrete Paving’, paragraph 3.5.C, expansion joints are to be located adjacent to concrete curbs, catch basins, manholes, inlets, structures, and other fixed objects. See Amendment 0007, updated Sheet CS-102, for revised layout of WWR within the concrete pavement issued as part of this response.

Question 122: On Structural drawing S-001 under foundation general note 2.1.C it is saying that undocumented fill under the Hangar site is to be removed and replaced at a depth ranging from 3 to 5-1/2 feet, and depths from 5-1/2 feet to 12 feet at the C17 Simulator building. These ranges are very wide and will have a significant amount of cost increases depending on how much material to be over excavated. Please indicate the amount of material or the depth of over excavation that will be required at each building.

Answer: Per Specification Section 01 10 00 –Summary, 1.8.I a Geotechnical Report has been made available under separate cover and represents all known subsurface soil conditions information. Provide as noted on Sheet S-001 and in accordance with all excavation requirements within Spec Section 31 20 00 – Earth Moving.

Question 123: Reference Tiling - 093000 specification. 3.3 calls for bullnose tile pieces at tile transitions. The tile that is specified is a 4x8 tile, and the bullnose pieces only come in 2x8 or 4x12. A 2x8 can be utilized, but will bring the overall height of the wainscot down. An option is to use a Schluter product to give the tile a clean edge at the height shown on the elevations. Please confirm what should be done at these areas.

Answer: Provide wall tile as specified.
Question 124: Per spec 077200 in section 2.4.B, the size of the roof hatch is listed as 36 by 36 inches. On page A-141, the Roof Plan Keyed Note #5 says the roof hatch is 3’-6” x 3’-6”. Please clarify.

Answer: See Amendment 0007. Refer to hatch size on revised drawings A-141, A-142, A-151 issued as part of this response.

Question 125: Please confirm that the water supply to the fire pump house is direct from the existing water storage tank and nowhere else.

Answer: Yes, the water supply to the fire pump house is direct from the existing water storage tank. All tank scope items are shown on the FX plans.

Question 126: Please provide details on the existing water storage tank so it can be included in fire pump/hydraulic calculations. Please confirm the existing water tank is an elevated tank.

Answer: The existing water storage tank is a ground level tank. All known information have been indicated on the documents to include but not limited to the repair/enhancements scope as shown on FA-001. The Contractor shall be responsible to verify all existing site condition to provide a complete and usable system in accordance with the Contract Documents.

Question 127: Section 21 31 13. The fire pump specification limits the motor to 450 HP while the fire pump drawing (FX-112) states motor to be 500 HP. Please confirm which is correct.

Answer: The maximum permitted horsepower for the fire pump is 500 hp. See Amendment 0007, revised Specification section 21 31 13.

Question 128: FX-100. On the drawings the fire hydrant line and fire supply line to the hangar just outside of the fire pump house are very close/overlaid and difficult to determine if there are any connections. Please confirm the fire hydrant line is not connected to the fire pump supply to the new C17 Hangar or to the future hangar.

Answer: The fire hydrants are served by the base water supply which is separate from the fire pump house supply.

Question 129: Will the owner consider extending the proposal due date past January 25th, 2018? There are local subcontractors that have closed offices due to inclement weather. Some subcontractors have indicated this will strain their efforts to bid the job in the given amount of time.

Answer: Yes, see amendment 7

Question 130: Where is the stockpile for excess material located that is referenced in the specifications? Section 31 20 00 3.22

Answer: The stockpile for borrow material is located west of Building 50, at the north end of the North Carolina Air National Guard aircraft apron. The travel distance from the stockpile to the project site is approximately 0.85 miles.
Question 131: Where is the spoil stockpile we may utilize for borrow material referenced in the specifications? Section 01 10 00 1.8 Item K

Answer: The stockpile for borrow material is located west of Building 50, at the north end of the North Carolina Air National Guard aircraft apron. The travel distance from the stockpile to the project site is approximately 0.85 miles.

Question 132: What quantity of material from the spoil stockpile could we anticipate for borrow material referenced in the specifications? Section 01 10 00 1.8 Item K

Answer: Approximately 2,000 cubic yards of spoil material from a separate project located at the North Carolina Air National Guard will be available at the stockpile location for potential use at the project site. Contractor shall be responsible for performing testing of borrow soil in accordance with specification 31 20 00, paragraph 1.4.B. to ensure material is suitable for reuse at the project site.

Question 133: The glass specifications do not list values in which to base a product on. We need the Winter and Summer U-Values, the Solar Heat Gain Coefficient, Visible Light Transmittance, Shading Coefficient, etc. What are the performance values?

Answer: Provide glazing to meet thermal and optical performance criteria as specified per specification section 08 80 00 - GLAZING, paragraph 2.2,D. See Amendment 0007, updated Specification Section 08 80 00 has been issued as part of this response.

Question 134: Is the architect willing to accept a glass make up, with regards to what panes are to be tempered and laminated, and the thickness of the laminated interlayer, as recommended by the curtain wall supplier to meet the specified blast loads?

Answer: Provide glazing to meet blast criteria as specified per Specification sections 08 04 00 - BLAST RESISTANCE, 08 05 00 - COMMON WORK RESULTS FOR OPENINGS, and 08 80 00 - GLAZING.

Question 135: In discrepancies between architectural drawings and equipment drawings, do the equipment drawings trump? For example, the Fall protection on A-125 shows fall protection running the same direction as the fuselage system where as Q-101 shows the stabilizer systems at an angle.

Answer: Provide fall arrest as shown on Q-101 and Q-301 and as identified on Sheet Q-601. See Amendment 0007, sheets A-121 and A-125 has been revised for clarification and issued as part of this response.

Question 136: Spec 075419 sections 3.4.C.1.h & 3.5.A.4 read that the base layer of insulation and cover board, respectively, need to be mechanically attached. This puts the manufacturer's warranty in jeopardy, that is specified 1.10.A

Answer: Provide base layer of insulation and cover board as specified.

Question 137: A-102A shows the "optional line items" for CLIN0006, demountable partitions. However per EP111 and Door Schedule A-604 and A-605, doors S105 and S106 are noted as demountable. Please clarify if these doors are part of base bid or part of CLIN0006.
Answer: See Amendment 0007, revised A-111 issued as part of this response for demountable partition OLI locations at the Flight Simulator Building.

**Question 138:** Section 11 24 29. Do fall arrest systems with two lanyards attached need to have bypass capabilities/a two track system? Or can detaching and re-attaching functions suffice?

Answer: Bypass capability is not required on fall arrest tracks. Two tracks with two lanyards each are required above the fuselage as shown on drawing Q-101.

**Question 139:** On dwg FA-111, room TER S112 is missing a smoke detector. Please verify this is correct.

Answer: Yes, a smoke detector should be provided in TER S112. See Amendment 0007, sheet FA-111 has been revised and issued as part of this response.

**Question 140:** On dwg FA-111, vestibule S101 has a symbol for GAP. Please indicate what this is.

Answer: The "GAP" referenced in Vestibule S101 on drawing FA-111 should be a "ANN". This is a remote LCD type annunciator. See Amendment 0007, sheet FA-111 has been revised and issued as part of this response.

**Question 141:** On EP111, key note 23 is used for various areas with demountable partitions. However, there is no A-111A architectural drawing do not indicating demountable partitions for the Simulator building. We assume key note 23 does not apply. Please verify.

Answer: Key note 23 on Sheet EP111 shall apply as part of the OLI. Refer to updated Architectural drawing that reflect the demountable partition OLI requirements. See Amendment 0007, revised Sheet A-111 has been reissued as part of this response.

**Question 142:** Dwg TS401, detail B1 shows new ductbank from the pullbox merging into existing conduits running south from Hut 72. We assume that is is incorrect and we are to install a new concrete encased ductbank as shown on TS101. Please verify.

Answer: TS401 with indicated conduits and termination is correct and does not conflict with TS101. TS401 provides additional details on the connection at B72.

**Question 143:** Dwg T102 shows basket tray extending from area A to area B. However, dwg T103 does not show the continuation of basket tray in area B. Please indicate rest of basket tray.

Answer: Cable tray from Area A to Area B shall extend into Corridor H135 as indicated on revised sheet T-103 issued as part of the response. See Amendment 0007.

**Question 144:** Spec 263226, part 2.3A lists MIL-STD-704E as the current standard. We assume that MIL-STD-704F is the current standard. Please verify.

Answer: See Amendment 0007. Refer to revised Specification 26 32 26, section 2.2A and 2.3A. MIL-STD-704E has been revised to MIL-STD-704F. This Specification section has been issued as part of this response.
Question 145: Spec 263226, part 2.4B, 1 & 2, identify a specific manufacturers cable part number. We assume an or equal product wil be allowed as there is no sole source justification in the bid documents for this item. Please verify.

Answer: Per section 2.1.B Alternate Manufacturers may be incorporated. The cable is an associated component and shall be from the single manufacturer as specified in section 2.1.C "Source Limitations".

Question 146: Spec 263226, part 2.6K, 1.a.5 - Overload/Overcurrent is showing 300% capacity for six seconds. We assume a 200% overload rating will be allowed to comply with the reduction introduced by NAVFAC Northfold VA citing safety reasons (per UFGS 263543 spec mod). Please verify.

Answer: Provide "300% 6 seconds" overload capacity per Specification 26 32 26-Section 2.6.K. 1.5.

Question 147: Spec 263226, part 2.6, R - Since the converter for this project will be installed in a stand alone usage and will not require parallel operation, we assume that the unit will not require this Automatic Parallel Operation feature. Please verify.

Answer: See Amendment 0007. Refer to revised Specification 26 32 26 - FREQUENCY CONVERTER UNITS. Section 2.6.R "Automatic Parallel Operation" has been deleted.

Question 148: Spec 263226, part 2.11, I - Painted Color cites a FED-STD-595C gray color 26173. We assume that a manufacturer's standard RAL gray color will be acceptable. Please verify.

Answer: Provide FED-STD-595C gray per specification 26 32 26, section 2.11-I.

Question 149: Dwg Ep104, note 13 indicates a motorized cord reel with 100 foot cord. Please provide spec for cord reel. Please indicate if cord reel is to be provided with a remote operator station.

Answer: Refer to specification 26 27 26-"WIRING DEVICES" section 2.1 "Power Cord Reels" for cord reel spec and section 2.1H for remote reversing switch.

Question 150: Dwg EL107 has a note indicating "typ for 45 fixtures". However, there are only 40 H1 fixtures shown. We assume that the note applies to the count of fixtures actually show. Please verify.

Answer: Note adjacent to keynote 1 on drawing EL107 revised to "TYP OF 40". See Amendment 0007, revised Sheet EL107 has been issued as part of this response.

Question 151: Dwg EL102 & EL103 shows fixture type D in the bathrooms as an emergency fixture. However, the fixture schedule does not indicate type D to have a battery backup. We assume battery backup will be required for these fixtures. Please verify.

Answer: See Amendment 0007. Fixture Type D has been revised to type DE and provided with emergency battery backup. Note-Simulator restroom Type D fixtures also updated to Type DE. Refer to revised drawings EL102, EL103, EL111 and E-701 issued as part of this response.
Question 155: Regarding the BAS requirements in Spec section 23-09-23 Part 1. General 1.1 Summary
A. it calls for the new building’s BAS to be an addition to the existing Alerton base-wide BAS (server). The existing server has several branded controls systems tied into it. Some are directly integrated into the Alerton server via branded software (Basically all of the Alerton building BAS’s) and some other brands like Schneider are accessible through the Alerton server via a hyperlink to that particular Schneider building BAS. A representative at the pre-bid meeting from the National Guard said that the intent was to provide a native BACnet controls system at the building that would be accessible through the Alerton server. Basically the only true integration (for the purpose of control from the Alerton server) to the Alerton server would be via an Alerton building BAS. However, this approach would eliminate any other controls vendor from submitting a bid, thus disallowing a competitive environment for this part of the project, unless the use of hyperlinking to the Alerton server is acceptable. It appears that the owner’s intent is to have a vibrant field of competitors for this project and to allow open-source, nonproprietary equipment. Will the owner accept server access in the form of a hyperlink to the new building BAS (which would be BACnet with specifically a Tridium JACE front end), similar to the link to the Schneider system?

Answer: Ascent Compass by Alerton is the standard for the base-wide BAS and the new control system provided for this project shall be fully compatible with and integrated into the existing Alerton system as specified in Section 230923, Par. 1.1.A and Par. 2.1.A. Using a third party front-end, gateway or network interface that utilizes non-Alerton software, tools or additional licenses is acceptable provided the GC offers O&M training on the new software to base facility personnel and that the all software to include but not limited to, smart meters, dash boards, points, etc. integrate seamlessly with the Alerton system. See Specification Section 01 79 00 para. 3.3.A, the contractor is to provide demonstration and training for HVAC controls listed in specification section 23 09 23 per the training schedule provided in this section.

Question 153: I have been requested by a few General Contractor’s to provide them a proposal for audiovisual. I only saw it once in the first attachment, page 01 79 00-2 under section 1.3 sub section D. I didn’t see anything in the T drawings. Am I missing something or will this be after project completion?

Answer: Audio/Visual conduit, backboxes and pullstrings are provided by the contractor per drawings and specs. All audio/visual cabling and equipment are government furnished and installed. Paging system and CATV system is provided by the contractor per drawings and specs. Refer to 'T Series' plans for locations, Sheet T501 for detail(s), Sheet T601 diagram layout, and Spec spec is in 27 51 16
Question 154: Will the owner consider projects completed more than 8 years ago for relevant past performance? This will allow contractors to better showcase their experience and performance

Answer: In accordance with Sections 0110, the requirement is for projects completed over no more than 8 years preceding the solicitation.

Question 155: In what proposal section of Volume 2 is the form Exhibit A to be included in: Volume 2 Part 1 - Sub-factor 1, sub-element 1, Demonstrated Experience or Volume 2, Part 2 – Offeror Past/Present Performance Information?

Answer: See answer to question 49