Q: In the RF shielded rooms, is there a requirement for shielding the ceiling? If so, please provide details. There is a RF paint Shield that may be an option to apply to underside of roof deck or hat channels with foil backed gypsum board if space permits.

A: Not required.

Q: In the RF shielded rooms, is there a requirement for shielded doors? If so, please provide details.

A: Not required.

Q: What are the requirements for the following? Magnetic Field Attenuation, Electric Field Attenuation, and Plane Wave Attenuation?

A: Not required.

Q: Are Honeycomb wave guides required at HVAC ducts that penetrate the RF shielded rooms?

A: Not required.

Q: On sheet A-312 note 15 calls for all cells to be filled with concrete at the new addition masonry walls, but 2/S-110 shows only bond beams and vertical rebar get grouted. Please clarify.

A: Please see Spec. Sect. 04 20 00 para. 3.4.2.1 that indicates units to be filled with grout: in addition to units with cells containing reinforcing, solidly grout hollow masonry units in wall or partitions that support plumbing, heating or mechanical fixtures, voids at doors and window jambs, other spaces as indicated on the plans, under lintel bears, walls below grade, lintels and bond beams, and open end units.

Q: Note 7 on A-201 calls for standing seam pre-engineered metal roof, there is no specification for this roof. Please clarify.

A: See Amendment-2 with incorporated and attached .pdf for spec sections 07 41 13 and 07 60 00

Q: Wall type W2 is shown at corridor 101 which per the section 1/A-310 shows the exposed masonry getting an elastomeric coating, but from the site visit it was noted the existing corridor walls are furred-out with gypboard. The demolition drawings are not calling for the removal of the existing furring, please clarify if the walls at corridor 101 should be stripped of the furring, or if the furring should be left in place?

A: Page AD-101 indicates that all finishes are to be demo-ed. It is the intent of this project that all finishes now existing are to be removed. New finishes per the A-101, I-601 and other places in the plans and specs as noted. Once the existing finish materials are demo-ed, please construct per the plans and specs as noted.
Q: I see that the Site Supervisor can also be the QC, but is a separate person required for Safety Officer?

A: No

Q: Per Box 11 on Form SF 1442 the contractor performance period is 285 calendar days. 2.2 FACTOR 1: Technical Evaluation. Paragraph 2.2.1 Proposed Construction Progress Schedule states identify all necessary work elements of the specific project, the offerors ability to schedule the activities in a logical sequence, is within the time required in this solicitation, and references SF 1442, Block 11. Paragraph 2.2.2 c) states “The number of days for each work element, when aggregated together, does not exceed 180 calendar days.”

Please confirm the total time to be covered in the Construction Progress Schedule is 285 days as noted on SF 1442 Box 11 as the evaluated performance period.

A: The Period of Performance is not to exceed 285 days. The correction was incorporated in Amendment-2.

Q: The wall tile on the finish schedule (pg I-601) says : CWT-2 Crossville-Ready To Wear-AV316 Smarty Pants Unpolished-2"x6", CWT-3 Crossville-Ready To Wear-AV314 Perfect Fit Unpolished-2"x6"

But the specs (on page 291, section 09 06 90 pg. 2) says: CWT-2 Crossville-Ready To Wear-AV316 Smarty Pants Unpolished 6"x12", CWT-3 Crossville-Ready To Wear-AV314 Perfect Fit Unpolished 6"x12"

Which size is correct 2"x6" or 6"x12"?

A: Please use the 2” x 6” size wall tiles for CWT2 and CWT3, as per page I-601 and A-402.

Q: Specification Section 08 71 00 Hardware Schedule – Hardware Sets 2 and 6A are not shown on the Door schedule on Drawing Sheet A-601(23 of 102). Please verify which is current.

A: Hardware set #2 is for Door 112A. Hardware set #06A is for door #112.

Q: Specification Section 08 71 00 Hardware Schedule – Door 112 is shown in both Hardware Sets 6A and 19. Please verify which is to be used.

A: Delete hardware set #19.
Q: Sheet S-110 detail 2/S110 and Sheet A-312 detail 4/A312 are building sections for the new Mech / Elec Room addition. Note 17 on sheet A-312 state to see structural for the new Structural standing seam roof, but the structural only shows hat channel or optional metal deck. Please provide a specification for the standing seam metal roofing. Also, need a metal roofing specification for the canopies on Sheet A-311 details 6 & 7/A-311.

A: See Amendment-2 with incorporated and attached .pdf for spec sections 07 41 13 and 07 60 00

Q: Sheet P-103 – Where does the sanitary line coming out of room 112 go to?

A: Please extend the sanitary line per the revised sketch, attached.

Q: Sheet S-300 – Detail 6/S-300 and Sheet S-002 - Please provide additional specifications for the removable bollards and bollard stand. Bollard Solutions has all kinds of products to choose from, which one are required?

A: Provide "Bollard Solutions Signature Removable" bollard per drawing requirements. A stand shall be provided by the Contractor to store the bollards. Submit shop drawings on bollard assembly prior to installing.

Q: Also the Spec shows 35KVA and plans show 120Kva 400Hz generator spec 26 35 43 para 2.1.1.7 plans E-004 keynote#9.

A: The spec should read 120KVA.

Q: Please see the attached Drawing Sheet E-004 - Additional information is require to be able to quote the UPS units for this project. Gear vendors state there is not enough information in the specifications to provide a quality or proper quote for the UPS units.

A: Please see Spec. Section 26 35 43 for the 400HZ Generator (Converter). Please see Spec. Section 26 32 15.00 10 for the 800 KW/1000KVA Diesel Generator.
Q: The main breaker on panel 400P2 requires a shunt trip device.

A shunt trip device is an optional accessory in a circuit breaker that mechanically trips the breaker when power is applied to the shunt trip terminals. The power for the shunt trip does not come from within the breaker, so it must be supplied from an external source. Some circuit breakers allow field installation of a shunt trip kit ...

As you can see from the description a shunt trip device is feed remotely from the breaker that it is on. We need to know what voltage is going to be supplied to the shut trip....so that we can configure it correctly for the quote.

A: A 120V shunt trip shall be utilized. Use a spare 20 amp/1 pole breaker frim Panel L8. Provide isolation relays when connecting to the flow switch.

Q: Please provide the slab design for the option 1 Fire Pump Building including footings and anchor bolt requirements.

A: This will vary depending on pump/enclosure manufacturer proposed. If technical support is not available for bid purpose, utilize Section 7/S-300.

Q: Please provide the specifications and design for patching the roof curbs to due the removal of the existing HVAC equipment.

A: Curbs will remain, including metal caps. Fill all resulting screw holes with single-part urethane sealant, or replace metal curb cover to match existing.

Q: Under the Asbestos specification section 1.3.1.1 it references an Asbestos report dated April 7, 2017. I cannot locate that report in the bid documents. The only Asbestos report included in Attachment A is from PSI from 2014. Is there a report that shows Wallboard/Joint Compound being tested positive for the Asbestos. It was not in the September 2014 report that was project.

Page 15: Section 3.2 Work Procedures * This section discusses asbestos roofing work. The September 2014 Asbestos Survey did not identify any asbestos. Is there any other reports that show that roof came back positive? What is positive on roof that would need to be abated? How much roofing has to be abated?

A: The referenced date of April 7, 2017 is incorrect. The correct date of the asbestos report is September, 2014. Please use that report. Asbestos and other hazardous materials are not expected to be present in the wallboard/joint compound or the roof as these components were replaced at a time asbestos was no longer in use and not sampled or surveyed. Roofing is not expect to be abated. Should the contractor, during the demo or other phase of construction, discover materials that could be asbestos or hazardous materials, they are advised to stop work immediately and contact the Contracting Officer for direction.
Q: Page 16: Section 4.3.4.2 Glovebag  * Section refers to pipe insulation located in attic. This was not identified in the September 2014 survey. Is there another survey? * How much pipe is there to remove? * What type of piping and size of the pipes that need to be abated?

A: This reference was not able to be found in the plans or specs. There is no attic on this project. Please refer to the report dated September 2014 for locations and types of material to be abated.

Q: Doing a quick review of the drawing (E-004) and specifications (UFGS 26 35 43) there is a conflict. The drawings call for a 120-kVA, 400 HZ converter and the specifications call for a 35-kVA converter. Can you advise which it is? Looking at the drawings, 120-kVA makes more sense.

A: The voltage drop of the systems were evaluated using UFC 3-555-01 and are in compliance. The worst case scenario we found was only a 3.5% voltage drop. The dBA rating of solid state systems is typically lower vs the older motorized converters. If a higher dBA system is used (higher than 65 dBA at 5'), it will have not much of an effect on the conference room since this perimeter is STC rated. There are many other areas on base that have the 400Hz converters located in mechanical rooms with no HVAC. Also 18-C's sister building 1358 has the exact same setup with a 125KVA frequency converter feeding a 400 amp panel. We are not aware of any issues with this setup.

If the contractor provides a generator that has a wiring configuration issue with bend radius, then they can rearrange the setup in the mechanical room or run parallel feeders as needed. Since there is not a specific generator being required, the contractor will need to install as per the manufacturers requirements.

The design uses THWN/THHN wire and aluminum conduit but the XHHW-2 wire is a great solution to minimizing voltage drop. We have no issue with the contractor utilizing this wire at their option. Again, there is no voltage drop issue though to correct.

The spec does show the unit being 35KVA (it was a carryover typo)...however the drawings are correct showing the 120KVA unit and all wiring, conduit, and panels are sized according to 120KVA. All other parts of the specification still apply.

Please also note that Keynote #6 on pages E-006 and E-008 refer to the 800KW/100KVA Diesel Generator, found under spec. section 26 32 15 .00 10; and on page E-200 the 400HZ Generator (Converter) is found under spec. section 26 35 43.

Q: There is a power rating conflict between drawing (E-004) and specification (UFGS 26 35 43). The drawing calls for a 120-kVA, 400 HZ converter and the specifications call for a 35-kVA converter. Can you advise which it is correct?

A: See answer above. Please also note Spec. Section 26 32 15 Diesel-Generator Set Stationary 100-2500 KW with Auxiliaries (Keynote #6 pages E-006 and E-008), and Spec. Section 26 35 43 400_Hertz Solid State Frequency Converter (page E-200).
Q: Please clarify on the details of the pump house structure. Whether it be an additional spec section or drawing detail just to confirm what material/design the structure needs to contain.

A: This will vary depending on pump/enclosure manufacturer proposed. If technical support is not available for bid purpose, utilize Section 7/S-300.

Q: There are details on the demolition of the existing fire extinguishers and cabinets but no mention in adding new fire extinguishers. Please clarify on whether or not the fire suppression system will suffice or will there need to be new fire extinguisher/cabinets installed in the new scope of work.

A: Fire extinguisher and fire extinguisher cabinets will not be replaced on this project.

Q: Please confirm that the SCIF Accrediting Official, Site Security Manager, Certified TEMPEST Technical Authority, and Construction Security Plan will be provided by government.

A: Contractor is expected to have all components in place to meet the requirements of the ICD/ICS 705, before the User’s agency provides SAPF Accreditation, Certified Tempest Authority, as well as other security requirements. However, the contractor shall meet all requirements as outlined in the plans, specifications, and contract documents.

Q: In Amendment 3 the response to question 5 says Specification section 27 51 16 is not required, but the response to question 22 says the contractor is responsible for testing in section 27 51 16. Please clarify.

A: The spec. section 27 51 16 is not required, so that no testing is required by the contractor for this section. However, any other testing requirements by the plans, spec. and contract documents remain.

Q: Is Cathodic protection required for the fire water line?

A: Not above ground. For UG installation of C900, no. For other UG installation, please contact the Contracting Officer for direction.

Q: Is the installation of the fire water line to be done by the utility company? If so do we include their fees or is the Government getting the bill for it?

A: The contractor is expected to coordinate and bid this work with the utility company. Please see page FP-001 for more information.

Q: Is the installation of primary electric to be done by the utility company? If so do we include their fees or is the Government getting the bill for it?

A: The contractor is expected to coordinate and bid this work with the utility company. Please see page E-001 for more information.
Q: Solicitation Bid Documents include a file 18-R-4005_Attachment I.xls - The attachment is not mention in Section L - Proposal Preparation Instructions as being a part of one of the three books require as a part of this proposal. So it is assumed that this form is to be completed upon award of the project by the selected contractor. Is this correct?

A: Attachment I is the 50 Division CSI worksheet.

Q: Will the government be responsible for the providing the SCIF certification upon completion of construction or will the contractor be responsible?

A: Contractor is expected to have all components in place to meet the requirements of the ICD/ICS 705, before the User’s agency provides SAPF Accreditation, Certified Tempest Authority, as well as other security requirements. However, the contractor shall meet all requirements as outlined in the plans, specifications, and contract documents.

Q: Who is to be responsible for preparation/completion of SCIF documentation?

A: Contractor is expected to have all components in place to meet the requirements of the ICD/ICS 705, before the User’s agency provides SAPF Accreditation, Certified Tempest Authority, as well as other security requirements. However, the contractor shall meet all requirements as outlined in the plans, specifications, and contract documents.

Q: The tile specifications call for a mortar bed but the floor plans do not show demolition of the existing slab at the restrooms and new slab in the structural drawings. Please confirm a mortar bed is required for the floor tile.

A: Yes, mortar is required, but is expected to be installed with best practices, according to the tile manufacturer’s installation instructions, which in 2017, is generally a thin-set application.

Q: Please confirm a mortar bed is required for wall tile?

A: Yes, mortar is required, but is expected to be installed with best practices, according to the tile manufacturer’s installation instructions, which in 2017, is generally a thin-set application.
General Comments from the Communications Squadron:

- All FOCA connecters for unclass NIPR shall be SM LC.
- All FOCA connecters for Class SIPR shall be MM LC.
- A minimum of 24-strand SM fiber (OS1) is required to be run from the closest ITB (18) using LC connectors.
- CCTV, IDS, and ACS electronic equipment shall be housed in customer maintained area and shall not be housed in the main NIPR TR. CCTV, IDS, and ACS shall also not be interconnected to the unclassified GFGI switch as indicated in Unclass Backbone Single line Diagram.
- A minimum of 24-strand SM fiber (OS1) is required to be run from MTR 103 to TR 115 using LC connectors.