Question 59: 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: See Amendment 0006, revised Specification Section 23 09 23 – DIRECT DIGITAL CONTROL FOR HVAC SYSTEM, and Sheets M-703 and M-705

Question 60: Drawing Sheet: P-106. Gas fired power wash units are shown and noted to be vented to a common header. These units are power vented and should be vented separately and not to a common header. Please confirm separate individual vents for each unit.

Answer: It is acceptable to route individual vents from each of the power washer units and terminate the vents at the louver, L-8. See Amendment 0006, Refer to revised Sheets P-106 and P-401.

Question 61: Sheet FX-001 Note B references automatically opening doors below the foam generators. This appears to be an open hangar what is this note referencing?

Answer: This note is incorrect. The generators will be open to the hangar bay and will not have an automatically opening door. Refer to revised Sheet FX-001 in Amendment 0006.

Question 62: There is a conflict in the specs and the FP drawings as to what piping to utilize. Is the following piping acceptable? If not please clarify piping to be provided. 2” and Smaller – Black Schedule 40 Grade A ASTM A53, ERW pipe. 2 ½” and larger – Black Schedule 10 Grade A ASTM A53, ERW pipe.

Answer: Yes, the pipe schedules identified in note L on drawing FX-001 and as stated in this question are acceptable. Refer to revised Specification 21 13 25 in Amendment 0006.

Question 63: There is a conflict in the specs and the FP drawings in regards to the mesh size on the strainer. What mesh size is required?

Answer: The basket strainer mesh size should be in accordance with UFC 4-021-01 section 3-6.8.3. This section permits mesh size to be no greater than 1/4 in. Refer to revised Specification 21 13 25 in Amendment 0006.

Question 64: 08 4513 /2.3/A.1. Cell insulation: Fill cellular cross sections with aerogel. Is this a requirement for this scope and project? The performance values listed within the specifications do not reflect an aerogel filled panel.

Answer: Specification section 08 45 13 - STRUCTURED-POLYCARBONATE-PANEL ASSEMBLIES has been revised to removal aerogel requirements. See Amendment 0006.
Questions and Answers (59-91)

Date:
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C-17 Corrosion Control and Fuel Cell Hangar

Question 65: Are there any blast requirements for the project such as UFC 4-010-01? This is a requirement in the curtainwall specification 084413 but not called out in the polycarbonate section.

Answer: The exterior building envelope shall be designed in accordance with UFC 4-010-01 for the blast requirements defined in Specification SECTION 08 04 00 BLAST RESISTANCE. See Amendment 0006, Specification section 08 45 13 - STRUCTURED-POLYCARBONATE-PANEL ASSEMBLIES has been revised to reference blast requirements.

Question 66: Is there a fee associated with the obtaining of the FAA Badges, required by specification 01 10 00 – 4 paragraph 1.7 I.

Answer: See Amendment 0006. Specification 01 10 00, paragraph 1.7 has been revised. FAA badges are not required in order to perform work on the flight line.

Question 67: Specification 01 10 00 – 5 para. 1.8 H states that the contract may use stockpiled spoils material located on the base. Does the owner have proctor or classification of this material? What is the proximity to the project site? May the contractor anticipate depositing any project generated spoils at this same location? Is there any cost associated with the use of these materials?

Answer: Stockpiled material is located approximate 0.85 miles from the project site when accessed through the base road network. Construction vehicles are not permitted to traverse across the aircraft apron when access the stockpile. The contractor is not to deposit spoils at this same location and there is no cost to use this material. Contractor shall be required to perform testing on borrow soil in accordance with specification 31 20 00, paragraph 1.4.B. Also, see Amendment 0006, revised Section 01 01 00, summary.

Question 68: Specification 084513 section 2.6 A calls for an AAMA 2603 painted aluminum finish. Polycarbonate schedule on pageA-607 note #4 calls for clear anodized aluminum finish. Please clarify what aluminum finish is required.

Answer: See Amendment 0006, revised note 4 on sheet A-607.

Question 69: Specification section 2.1 I 2. Calls for a SHGC of 0.6 however per IECC requirements of North Carolina the SHGC for vertical fenestration per table 502.3 is 0.40 aluminum finish. Please Change SHGC min requirement to 0.40

Answer: See Amendment 0006. The minimum SHGC requirement of 0.40 has been revised in specification section 08 45 13 - STRUCTURED-POLYCARBONATE-PANEL ASSEMBLIES.
Question 70: Polycarbonate unit P4 from Flight Simulator Building is to be removable per note on detail A2 of page S-524. There is no indication of this requirement on the architectural plans nor the specification 084513. Please clarify if this unit is in fact to be removable and make note on the architectural plans and specification accordingly to ensure all manufacturers design correctly.

Answer: See Amendment 0006. Structured Polycarbonate Panel Type P4 on A-607 has been revised to include notes regarding future removal and re-installation requirements.

Question 71: Specification 084513 makes no mention of any UFC 04-010-01 blast requirements for the polycarbonate systems. Design criteria note 1.6 C on plan page S-001 lists the C17 hangar as low occupancy and the C17 Simulator building as inhabited. Please clarify if any polycarbonate units have to be designed to meet UFC blast. If so, what is the blast load to be designed to? If this is required, a redesign of steel support structure may be required to accommodate loads.

Answer: The exterior building envelope shall be designed in accordance with UFC 4-010-01 for the blast requirements defined in Specification SECTION 08 04 00 BLAST RESISTANCE. See Amendment 0006, Specification section 08 45 13 - STRUCTURED-POLYCARBONATE-PANEL ASSEMBLIES has been revised to reference blast requirements. Backing structural steel elements to which the Basis of Design polycarbonate system will attach have been designed for the appropriate blast resistance.

Question 72: Section 00110 - 2.1. Section 2.1 on page 18 states, "Prospective offerors shall submit the following volumes in two separate packages." There are 3 volumes identified. Please confirm Volumes 2 & 3 are to be within the same package but in separate binders.

Answer: See amendment 0006. Section 00110 para. 2.1 has been revised. Three separate packages are required for Volume 1, 2 and 3.

Question 73: Section 00110 - 2.4.4. Section 2.4.4 allows charts to be landscape but on 8.5 x 11 or 8.5 x 14 inch paper. Sub-factor 2, sub-Element 2 requiring a Gantt chart schedule. To make this document the most legible the Source Selection Evaluation Board, please confirm 11x17, tri-folded, is acceptable.

Answer: See Amendment 0006, 11x17 is acceptable.

Question 74: Section 00110 - 2.5.3.10. Section 2.5.3.10 requires 3 references for each Predecessor Company, Subcontractor or Key Personnel. Please confirm this is only required if the offeror is lacking relevant present/past performance noted in 2.5.3.9.

Answer: See Amendment 0006

Question 75: Drawing S-102, detail C4/S-511 at the hangar door does not show how the 6" slab ties into the foundation for the hangar door track. It appears there is a CJ on S-102, but please provide this detail.

Answer: See Amendment 0006, revised Section C4/S-511 and new Section D1/S-512.
Questions and Answers (59-91)
Date:
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C-17 Corrosion Control and Fuel Cell Hangar

Question 76: Please verify the uneven grade utility pad is to have only two support walls per detail 1 on C-505

Answer: Yes, the Uneven Grade Utility Pad is intended to support an transformer being located on an embankment. The pad detail shall have four walls, supporting the square/rectangular pad on all four sides with step down footing on sides. See Amendment 0006, revised drawing C-505.

Question 77: One section of the concrete stairs is provided on C-502, but a section of the stair wall is not provided. Please provide and also indicate if a finish or precast cap is required.

Answer: Wall is to be 20-inch wide reinforced concrete, 18-inches high, with brick veneer to match building material. Provide a 40”x22”x3” stone coping with 1-inch overhang with drip edge. See Amendment 0006, detail of wall section has been added on Sheet C-502.

Question 78: Because of back to back Federal Holidays, most of the contracting community (including the subcontractors and vendors) lost valuable estimating time during the last two weeks of December. In order to provide the Owner with the best overall submission, please consider extending the RFP submission due date to January 31st, 2018.

Answer: See Amendment 0005

Question 79: Section 110, 2.5.1.1. Please provide further detail on what the Gov't is looking for in the pricing narrative requested of each CLIN and the 3 largest cost items for each section of the Base Bid. What specifically is the Gov't looking for the offeror to explain about the pricing?

Answer: See Amendment 0006, revised Section 00110 paragraph 2.5.1.1.

Question 80: Section 011000, 1.2.C. The LEED summary notes that the GC will hire an independent Commissioning Agent. However, 1.3.B and 01 91 13, 1.1.B says the Gov't will hire the CxA. Please confirm who will hire and pay for the services of the CxA.

Answer: See Amendment 0006, specification Section 01 10 00, 1.2.C

Question 81: Section 012300, 1.2A, This section reads that OLI's can be accepted at any time during the construction duration. FAR 52.217-7 (in 00700) reads that the Options are only valid for 90 days past NTP. Please confirm the options must be executed with-in 90 CD from NTP.

Answer: See Amendment 0006. Clause 52.217-7 has been revised to state that the Contracting Officer may exercise the option by written notice to the contractor within 90 calendar days after award of the contract. Also, see clause 52.211-10, which states complete entire work ready for use not later than 540 calendar days after Notice to Proceed. The time stated for completion shall include any options exercised and final cleanup of the premises.

Question 82: Section 084513, Section 2.6 A calls for an AAMA 2603 painted aluminum finish. Polycarbonate schedule on page A-607 note #4 calls for clear anodized aluminum finish. Please clarify.

Answer: See Amendment 0006, revised note 4 on Sheet A-607.
Question 83: Section 084513, Specification section 2.1.1.2. calls for a SHGC < 0.6; however North Carolina IECC requirements for vertical fenestrations require a SHGC of 0.40 for aluminum finishes (per Table 502.3). Please clarify.

Answer: See amendment 0006. The minimum SHGC requirement of 0.40 has been revised in specification section 08 45 13 - STRUCTURED-POLycarbonate-PANEL ASSEMBLIES.

Question 84: Section 084513. Polycarbonate unit P4 from the Flight Simulator Building is to be removable per note on detail A2 of page S-524. There is no indication of this requirement on the architectural plans nor the specification 084513. Please clarify if this unit is in fact to be removable and make note on the architectural plans and specification accordingly.

Answer: See amendment 0006. Structured Polycarbonate Panel Type P4 on A-607 has been revised to include notes regarding future removal and re-installation requirements.

Question 85: Neither spec 080400 nor spec 084513 makes mention of the blast requirements for the polycarbonate panels. Please clarify if the panels are to be blast rated and if so, to what load they are to be designed to.

Answer: The exterior building envelope shall be designed in accordance with UFC 4-010-01 for the blast requirements defined in Specification SECTION 08 04 00 BLAST RESISTANCE. Specification section 08 45 13 - STRUCTURED-POLycarbonate-PANEL ASSEMBLIES has been revised to reference blast requirements. See amendment 0006.

Question 86: C-505 and C-506. Joint sealant indicates a silicone sealant to be used on C-505, C-506 indicates to use “Preformed Elastomeric”, and the specifications indicate to use hot poured sealant. Please clarify which one is correct. Will a silicone sealant be accepted in all cases?

Answer: Preformed elastomeric sealants are not required for this project. Cold-applied joint sealants, per specification 32 13 73, shall be provided within the concrete aircraft apron. Hot-applied joint sealants, per specification 32 13 73, may be applied at all other locations. See Amendment 0006, revised sheet C-506.

Question 87: 9/C-506. Detail 9/C-506 shows a Type S joint. Please indicate where this joint is to be used.

Answer: Detail is not required and will be removed from drawing. See Amendment 0006, revised sheet C-506.
Question 88: A-701 and A-711. Drawing A-701, masonry partitions have a reference to see B5/A-711 for top of wall or underside of deck condition. The detail B5 on A-711 references a stud wall only. Please provide a detail for CMU, we are assuming clip angles may be required. Please provide size, spacing and anchorage preference.

Answer: Drawing A-701 has been revised, see Amendment 0006. Refer to C2/S-504 for typical detail at top of CMU partitions.

Question 89: Section 00120 - 5.3. Section 00120 - paragraph 5.3 states, "As part of the subcontracting plan evaluation, the Government will also review information submitted or obtained for Volume 2, Tab A, Small Business Participation Plan." Please confirm the Small Business Participation Plan should be included in Volume 3.

Answer: See amendment 0006, revised Section 00120 paragraph 5.3. The Small Business Participation Plan is part of Volume 3.

Question 90: 08 36 20 Section 1.2.D.1 states the hangar door wheels should be 3 inches. Section 2.2.E states that they should be 15 inches. Please clarify.

Answer: The hangar door wheel size in specification section 08 36 20, paragraph 1.2.D.1 has been revised to be 15 inch. See Amendment 0006, revised Specification Section 08 36 20.

Question 91: Proposal. Please identify in which Volume/Part/Sub factor Exhibit B - Subcontractor Information and Consent Forms and Exhibit D - Letter of Commitments should be included.

Answer: See Amendment 0006. Exhibits B and D are part of Volume 2 sub-factor 1, sub-element 1 and also sub-factor 1, sub-element 2.