

**Attachment to Addendum 04
Bid Phase Questions, Responses and Clarifications**

Questions and Responses				
Question No.	Question	Spec. Section	Paragraph or Drawing	Response
	<i>Many drawings have squares instead of letters. What are the squares actually to be?</i>			<i>Bidders may experience a technical issue downloading drawings from "PA e Marketplace. If this is the case, immediately contact both Major David Colna (david.colna.1@us.af.mil) and Joseph Prowell (joseph.c.prowell.civ@mail.mil) stating the issue. A complete and comprehensive set of drawings (PDF) will be forwarded with the expectation of the Government that the documents have been received and the bidder's document package made whole.</i>
1	Will preferred Brand Names be provided for the Cove Base, VCT, Carpet and Stairtread?	09 00 00		No. Contractors are to utilize the material performance parameters as stated within the contract documents to provide materials that meet and/or exceed said parameters. Manufactures that conform to the before mentioned will be selected by the Government during the submittal phase of this project.
2	Is there a construction manager on this project?	General Conditions Article 5		No. The Government will assign a Contracting Officer Representative (COR) who will act and preserve all duties as afforded to the COR by the Contracting Officer (KO). Refer to "General Conditions of the Construction Contract", Article 1 "Definitions", Parts 1.21 for further information.
3	Is there a GC budget for the project?			No. A GC budge will not be provided for this project.
4	Specifications says there is office space within the existing building but the GC is to provide space for project meetings. Is there space in the existing building for meetings or do we need to provide a meeting trailer?	01 50 00	1.10 A & B	Contractors are afforded space within existing Building 82 to set up temporary field offices. The GC shall coordinate with other trades and allow adequate space required to conduct meetings that can accommodate 10 people within existing Building 82.

5	If a trailer is required for meetings, please confirm the EC is responsible for the trailer power connections.			A trailer is not required to conduct meetings. Refer to Response to Question No. 4.
6	If a trailer is required for meetings, is the Government responsible to utility fees?			Refer to response to Question No. 5.
7	Please confirm the HVAC contractor is responsible for the indoor air quality testing and building flush out.	01 57 21		The HVAC Contractor is responsible for the indoor air quality testing and building flush out.
8	The Geo report in the specification seems to be for the warehouse project that is already built. It appears the flight simulator is being built on to the existing warehouse. Do you have test pits or boring reports for the new addition? If not, please make the site excavation classified beyond design depth and add unit prices. According to this report, which does not reflect the new addition foundations, we are going to have to figure underpinning the existing building foundations and over excavating 10' +/- of fill from the building footprint. We are going to have to figure it this way to make sure we have it covered. Is this the intent?			<p>The geotechnical report attached to Specification Section 31 00 00, "Earthwork" was originally authored for the existing Building 82, for which this project will be constructed immediately adjacent to, therefore; said geotechnical data from said report has been interpolated from the report and made relevant to this project.</p> <p>Specification Section 31 00 00, Part 3.2, "General Excavation" states the Contractor is to excavate "...every type of material encountered..." as well as the extents said excavation is to be removed to; therefore, the project excavation will deemed "unclassified".</p> <p>With regards to underpinning, the new addition is to be isolated from existing Building 82 (refer to Detail 2/00S-101). In addition, the Contractor is responsible for design associated with shoring of the "...existing foundations during the over-excavation..." (refer to Specification Section 31 00 00, Part 3.2, General Excavation).</p>
9	If the intent is to remove 10' +/- of fill from the building footings, does the fill need to be removed from under the slab area as well?			Yes. In accordance with Specification Section 31 00 00, Part 3.2, "General Excavation", "All unsatisfactory material shall be removed within the footprint of the new building addition and extend horizontally beyond the footing edges half the distance from the bottom of the footing to the bottom of the excavation."
10	Please reissue the test pit reports as they are not readable the way they were supplied.			Test pit logs associated with TP-1 and TP-2 have been attached and made part of Addendum No. 4.
11	Can an allowance be added for the radon mitigation system?			Radon Mitigation system shall not be part of this project; therefore, the HVAC Contractor shall not be responsible for

	Radon systems cannot be designed until the building is built. Please advise.			Specification Section 31 21 13, "Radon Mitigation" and scope as assigned in Specification Section 01 12 00, Part II, Sub Section 2.
12	The drawings show roof insulation as 'dual layer minimum U-.032/R-30. In order to get U.032, we would need R-36 Linear System. Please confirm which is correct.			Roof insulation minimums as shown are correct.
13	The drawings shows the walls as U-.052/R-19. We would need R-30 Linear to achieve U-.052. Please confirm which is correct.			Wall insulation minimums as shown are correct.
14	The building section on A.301 makes it look like there is PEMB insulation in the common wall between the Sim bay and Office buildings. The floor plan has the wall tagged as wall type 'A'. Wall type 'A' is to have 3" sound batts. Please confirm what is correct.			PEMB insulation as shown on Section 1/00A-301 is to be continuous within the PEMB wall cavity perimeter, which includes the section between the high and low structures. The interior wall partition associated with the office portion of the structure is a Type "A" wall that includes 3in. sound insulation.
15	Wall section 1 shows metal wall panels in the cavity between the new and existing building. Is this correct?			Yes. PEMB shall include metal wall panels between the new construction and the existing Building 82.
16	Detail 1/00C-005 Asphaltic Concrete Paving Section calls for a 12" compacted subgrade. Are we to remove the 12" of additional soils and build back up with soils in lifts or what is the intent here?			The Contractor is to construct new asphalt paving in accordance with Detail 1/00C-501. Refer to the Civil drawings for the extent of asphalt paving.
17	Please confirm Lockheed Martin is responsible for the concrete simulator cooling equipment pad.			The HVAC Contractor is to provide the concrete simulator cooling equipment pad per Specification Section 01 12 00, Part II, Sub Section 2.0, E.
18	Is the EC or the BMCS providing the lighting control panel and zone occupancy sensors? My interpretation of the plans and specifications is the EC is providing all lighting controls and the BMCS will integrate the			The Electrical Contractor shall provide the lighting control panel and zone occupancy sensors as well as integrate the information via BacNET IP.

	lighting information via BacNET IP.			
19	Drawing 00M-602 show the BMCS providing a PC workstation and a printer. Please provide a specification for each item.			<p>REMOVE Note from Detail "BCS NETWORK REQUIREMENTS", Drawing 00M-602, "PROVIDE BMCS OPERATOR WORKSTATION WITH MONITOR, PRINTER, AND OTHER COMPONENTS PER SPECIFICATIONS. CONTACT COR FOR EXACT LOCATION."</p> <p>HVAC Contractor shall be responsible for connecting the BMCS to the existing control panels; thereby, allowing BMCS communications over the Base's secure network.</p>
20	Drawing 00M-602 show the BMCS providing a server. What is the server for? The 193 rd ANGB already has WebCTRL installed on a government virtual server. If the BMCS providing a server, please provide a specification.			<p>REMOVE Note from Detail "BCS NETWORK REQUIREMENTS", Drawing 00M-602, "PROVIDE BMCS SERVER AND LOCATE IN DATA RACK PER COR'S DISCRETION, CONTACT COR FOR EXACT LOCATION AND ADDITIONAL REQUIREMENTS."</p> <p>HVAC Contractor shall be responsible to connect the new BMCS system to the existing WebCTRL server through VLAN.</p>
21	PEMB Note P13 on S.001: "If redesign is required, the redesign of the footings and anchor rods shall be done and paid for by the contractor." The contractor is not going to know if a redesign is going to be required. This should be the responsibility of the Engineer of Record? If the foundations designed do not work with the building loads,		00S-001, Note P13	<p>Statement is correct as stated. Contractor is responsible to provide a PEMB that meets the column base reactions and can marry to the column footing as provided for on the "Column Footing Schedule" and "Column Base Reactions" as shown on Drawing 00S-101. The General Trades Contractor shall be responsible to provide a re-design in accordance with Note P13, Drawing 00S-001, if loading/reactions are greater than or in conflict with those as represented within the contract documents and, therefore; cause an increase in footing configuration, size, reinforcing, etc.</p>
22	Please provide a product specification (manufacturer, model #, etc) for the acoustical ceilings.			<p>Contractors are to utilize the material performance parameters as stated within the contract documents to provide materials that meet and/or exceed said parameters. Manufactures that conform to the before mentioned will be selected by the Government during the submittal phase of this project.</p>
23	Please provide specifications (manufacturer, model #, etc) for all flooring materials on the project.			<p>Contractors are to utilize the material performance parameters as stated within the contract documents to provide materials that meet and/or exceed said parameters. Manufactures that conform to the before mentioned will be selected by the Government during the submittal phase of this project.</p>

24	Details 4 & 5 A.501 say to see borrowed light frame elevations for glass type. Elevations on A.601 do not provide glass type. Is this glass ¼ glass, blast resistant, etc?			Door Type NV (refer to Door and Frame Types, Elevation 2/00A/601) is to be provided with Glass Type G-1 (refer to Drawing 00A-601, "Door Schedule"). Glass Type G-1 shall be 1/4in. clear tempered (refer to "Remarks", Drawing 00A-601, "Door Schedule").
Clarifications				
Clarification No.	Spec. Section	Paragraph or Drawing	Clarification	
1	13 34 19	1.2.4	REMOVE: Paragraphs 1.2.4.1 and 1.2.4.2. ADD: All required R-values are indicated on the drawings. All exterior wall and roof insulation value shall be achieved with blanket style fiberglass insulation and vapor barrier that are field insulated on the interior side.	
2	13 34 19	1.4.8	REMOVE: Paragraph 1.4.8; ADD: Paragraph 1.4.8, Provide manufacture's standard field-assembled, uninsulated metal wall panels.	
3		Drawing 00A-302	ADD: All exterior metal wall panels shall be uninsulated. Panels are drawn nominally at a two inch thickness, and the intent is to represent a generic manufacturer's standard ribbed panel. The panels actually provided may range in thickness depending on available manufacturers and will be reviewed during the submittal process.	