

**Atlanta VAMC CHP Project**  
**Technical Questions and VA Responses #05 – 7-24-2014**

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1. Article 4.2 52.211-10 (c) in the Solicitation specifies that the project shall be complete within 540 days from NTP. Can you clarify whether any liquidated damages will apply to this date? Please specify the damage amount.

**VA Response:** No liquidated damages.

2. Specification section 10 73 16 Canopies call for Model # 2700-Curve, 8 ft. 10-5/16 in by 3 ft. 1-3/8 in (2700 mm by 950 mm. Acrylic Visor Pane: Frosted 1/4" (6 mm) thick UV resistant acrylic sheet. A standard 2700 Curve meets those dimensions except the acrylic is only 5/32" thick. A heavy duty 2700 Curve has thicker arms but the acrylic is the same thickness. The only canopy made with 1/4" thick acrylic is the XL Heavy Duty Curve but the length and width do not meet the 8 ft. 10-5/16 in by 3 ft. 1-3/8 dimensions. Those dimensions are 80-11/16" W x 55-7/8". Is the 5/32" thick acrylic acceptable?

**VA Response:** 5/32" thickness is acceptable.

3. Specification section 01 32 16.15 Project Schedules does not call for any type of "Risk Analyses" requirements. Is an independent 3<sup>rd</sup> party validation and assessment of the contractors approach required for this project?

**VA Response:** No.

4. On drawing AS-104 (Penthouse Plan) calls for a detail 5 on sheet AS-506. There is no sheet AS-506. Please clarify.

**VA Response:** Reference should read 5/AS-501. The reference will be corrected in the "Issued for Construction" package.

5. The Spec Book index referenced the following spec section: 3260000 Green Roof Waterproof membrane Standard. When you turn to that Spec Section in the book, it states the following: 3260000 Landscaping. Please clarify.

**VA Response:** The green roof membrane is covered in specification section 07 55 56, PROTECTED HOT FLUID APPLIED RUBBERIZED ASPHALT ROOFING SYSTEM. The title of Section 32 60 00 has been changed to LANDSCAPING as indicated in *Addendum #1 to the Issued for Bid Design Package*.

6. I am in search of some more information about the louvers on the Atlanta CHP Plant (dodge number 201400461722). On the north elevation there are the two 13' x 13' metal panel louvers and access panel, I have not been able to find anymore drawings on these. I was hoping you could point me to a drawing or provide information about these and any other louver information. I do have the spec sheet for the louvers just want to clarify the drawings of the louvers.

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**VA Response:** Information regarding the louvers can be found in Specification section 07 40 00, INSULATED CORE METAL WALL SYSTEMS and section 089000 LOUVERS AND VENTS. The design intent was to have the louver spacing match the wall panel profile as an integrated design expression. Several metal panel manufacturers have integrated louvers supporting the design intent.

7. 28 31 00-7 (1.6): Siemens already has a test and inspect contract for the hospital. Does the facility want a full support proposal for just the CHP building as outlined in paragraph A?

**VA Response:** Yes.

8. 28 31 00-22 (2.13): The quantity of spare parts listed is 40% of the total parts for the project. Does the facility require all spare parts listed?

**VA Response:** Yes. Provide only applicable spares to the project.

9. 28 31 00-27 (3.5) paragraph A items 1, 2, 3 calls for 38 hours of training. Does the facility require this training due to prior training from Siemens for the existing Fire Alarm System?

**VA Response:** Yes.

10. Boilers / Boiler Specialties: The spec calls for brackets for a field installed platform. The schedules call for a ladder. The steel drawings show the existing platforms being reused. Should the boiler manufacturer provide platforms or just brackets on the shell to all for the reinstallation of the existing platforms? And if the latter is the case, are modifications of the existing platforms required to be by the contractor? (Questions 11-18 are related to this question)

**VA Response:** The intent of note 7 on boiler schedule is for the manufacturer's ladder AND platform be provided. The existing catwalks are demolished back to the point shown on the plans, the remainder of which is reused, and no connection is required.

11. It appears the non-return valve, blowdown valves, steam spool pieces and all other external boiler piping other than the feedwater piping is not part of the boiler spec. Is it the intent to have these items provided by the boiler manufacturer or to be field piped and installed by the contractor?

**VA Response** This is up to the contractor to coordinate who provides and installs these items as well as proposed boiler manufacturer's recommendations.

12. The economizers call for a soot blower. Is it really needed? Normally, a soot blower is not required when the boiler only operates on gas or No. 2 oil.

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**VA Response:** Soot blower is not required. Note will be removed from specification in *Addendum #2 to the Issued for Bid Design Package*.

13. The drawings do not show a recirculation line for minimum flow through the economizer. Most manufacturers recommend some form of minimum flow. Please clarify.

**VA Response:** Provide recirculation line as required by manufacturers and specifications.

14. What is the gas pressure on the gas lines coming to the boilers?

**VA Response:** 12 psi as shown on the diagram PL-614.

15. The specification calls for jack shafts for combustion air control. Is parallel positioning OK?

**VA Response:** Parallel positioning is required. Jack shafts will be removed from the specification in *Addendum #2 to the Issued for Bid Design Package*.

16. Is O<sub>2</sub> Trim required? It is mentioned in the spec but not clearly called out as a requirement.

**VA Response:** O<sub>2</sub> trim is required and spec will be clarified in *Addendum #2 to the Issued for Bid Design Package*.

17. Is a two element feedwater control system required? This is not normally seen on boilers this size.

**VA Response:** Yes a dual element feed water control system is required as shown on drawing and specification.

18. What is the intent of the boiler control system? The drawings indicate that as much of the existing control system should be reused, including the three existing steam flow meters. However, the spec calls out for DA control, feedwater meters, natural gas and oil meters, etc., along with a full SCADA system. None of the meters are identified on the drawings. Please clarify the intent.

**VA Response:** Existing flow meters are not to be reused and clarification will be provided in *Addendum #2 to the Issued for Bid Design Package*. The boiler control system should be provided to control the boilers and provide a complete and functional boiler plant. Provide meters as shown on the plans and diagrams.

19. 23 05 10 - COMMON WORK RESULTS FOR BOILER PLANT AND STEAM GENERATION: References section 13 05 41 for seismic requirements, but there is no 13 05 41 in the Bid Package.

**VA Response:** Section 3.4 G.4. is not required and will be deleted in *Addendum #2 to the Issued for Bid Design Package*.

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20. MH-001 – GENERAL NOTES: General Note 9 says “Seismic Provisions Required – See Specs.”, but there is nothing in the boiler spec about seismic.

**VA Response:** The boiler itself does not have requirements; see 23 05 10 for piping, hangers, etc. requirements.

21. Seismic appears to apply to piping, hangers and such, but is Boiler Seismic Design is required?

**VA Response:** Boiler seismic design is not required.

22. On sheet CS-500 detail # 1 (Removable Post Barricades) states to use specification section VA Standard 32 02 23. I cannot find that specification section on the VA website. Please clarify.

**VA Response:** Standard detail 32 02 23-04 to be provided in *Addendum #2 to the Issued for Bid Design Package*.

23. Please confirm that individual trade warranties do not extend the 1-year General Contractor warranty provided by FAR 52.246-21. Sureties will not support General Contractor warranties in excess of one-year, but numerous specifications reference this FAR clause for longer warranties.

**VA Response:** Response will be provided in a different amendment.

24. Will the owner sign the manifest or other required forms as, and be identified as, the generator or all non-contractor generated hazardous materials?

**VA Response:** Response will be provided in a different amendment.

25. Numerous references are made to specification section 09 06 00 – Schedule for Finishes. This section is not found in the specifications. Please confirm if drawing IN-600 is to replace specification section 09 06 00?

**VA Response:** The schedule of finishes will be released in *Addendum #2 to the Issued for Bid Design Package*.

26. The table of contents shows and various references are made to specification section 12 31 00 – Manufactured Metal Casework. This section is not found in the specifications. Please advise?

**VA Response:** The specification section was issued in *Addendum #01 to the Issued for Bid Design Package*.

27. Who is the existing access control system manufacturer?

**VA Response:** Honeywell ADEMCO, Vista 50P Access Control Panels are currently utilized throughout the VA Facility. New system must integrate with these panels.

28. Who is the existing intrusion system manufacturer?

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**VA Response:** Current electronic lock sets are Ingersoll Rand (Schlage) AD400 Series which are integrated into the Honeywell ADEMCO Vista 50P panels through the Vanderbilt FMS software. New system must integrate with these existing systems noted in response to question 27 above.

29. Detail 2/LP106 shows a monument sign/plaque. Please provide a specification for this item.

**VA Response:** The sign plaque is a donor item and is not part of this Invitation to Bid.

30. As is standard in the construction industry, according to customary construction risk allocation, will the owner agree to be listed as the Generator of all preexisting hazardous materials and sign all transportation manifests as such?

**VA Response:** Response will be provided in a different amendment.

31. Specification section 26 41 00 – 2.1 – A: States that “aluminum materials are not allowed”. To obtain the specified UL certification we will need to install aluminum materials on items such as parapet caps, wall panels, or mechanical equipment that is constructed of aluminum or galvanized steel. Will aluminum material be permitted where required by UL to avoid galvanic reaction between dissimilar metals?

**VA Response:** This statement is referring to the lightning protection system. Aluminum materials are not allowed on the lightning protection system. Use connectors certified to have an anodic index compatible with conductors and aluminum and other dissimilar metals for exterior environments.

32. What is the cost of the background investigation of employees in paragraph 2.10 of document VA701-14-B-0154.pdf?

**VA Response:** Badging will be required for the project, but the contractor will not be required to pay for the background checks.

33. Detail 5/AS311 shows a column protective collar. Please provide a specification and a height of the collar?

**VA Response:** The specification section was issued in *Addendum #01 to the Issued for Bid Design Package*.

34. AD-101: Enlarged Plan #3 shows demolition of portions of the existing catwalks that serve the existing boilers. Are there any modifications or additions required for the new boilers to the existing catwalk?

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**VA Response:** The existing ladder is to be relocated per note #4 on AD-101. Per response to Technical Question #10 above, the existing catwalks are demolished back to the point shown on the Mechanical plans, the remainder of which is reused, and no connection is required.

35. EY-102: General Notes #2 – New CCTV for CHP to match the unknown new CCTV system that is being selected for the existing campus. Is there any other information available for the new system?

**VA Response:** The new CCTV system is anticipated to be Pelco or similar. The system should comply with the requirements in specification 28 23 00 VIDEO SURVEILLANCE.

36. MD-401: General Notes #6 – Existing Control room can be relocated if required to accommodate the removal and/or installation of new boilers. What is the construction of the existing control room? Are there drawings or other details available?

**VA Response:** The Control room is a modular structure capable of disassembly and re-assembly.

37. MH-102: Sheet Notes #3 – Remove existing fan coil and replace. Nothing is shown on the drawings for this note. Please provide location and size information for fan coil to be removed and replaced?

38. AD-103 indicates location of existing FCU (fan coil unit) to be removed. See Mechanical Schedule sheet for size information of new fan coil unit 14-FCU-2. MP-101: Sheet Notes #9 – Provide Hot Box for CHWS/R with 1000W heating device. Please indicate where the electrical power for the heating device is show?

**VA Response:** The electrical power shall come from existing panel QBB 208/120V, 3 $\phi$ , 4W, located in existing boiler room. Provide new circuit breaker in spaces 15-23 or 18-24.

39. MP-102: Sheet Notes #4 – Route CHWS/R, HWS/R & Condensate from floor below to new FCU-2. There is nothing shown on drawings for this piping below on the ground floor and there is nothing shown for a second floor of this area. Please provide direction on where the piping servicing this unit is to be installed.

**VA Response:** Assume the existing piping below the floor is to be connected at the location of the existing fan coil unit to be removed shown on AD-103.

40. MP-401: New Boilers #3 & 4 appear to be sitting on the existing trenching. Are modifications required on the existing trenching to accommodate the new boilers? If yes, provide details.

**VA Response:** No trenching is required. Run piping on and tight to new pads and across floor.

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41. MP-401: New Boiler #2 will require similar piping into the existing trench as do the other new boilers but nothing is shown to modify the existing trenches for this to be accommodated. How will the piping from the New Boiler #2 enter the existing trench?

**VA Response:** No trenching is required. Run piping on and tight to new pads and across floor. Housekeeping pad will be very close to trench.

42. MP-401: Enlarged Plan and Sheet Notes #16 – Route sanitary for new sink below grade to nearest industrial waste. Please indicate where the nearest industrial drain is located as the drawings do not show under slab utilities in this area so scope of work can be determined. Also include any other underground existing utilities in the area where the new drain will be routed.

**VA Response:** Existing industrial waste is shown on the boiler room sink plan just to the east of the new sink and is labeled “existing 4” IW”.

43. SF101: Caissons at grid lines D-2 and B.5-6 do not have type designation.

**VA Response:** Both are “C1” designation and will be noted in *Addendum #01 to the Issued for Bid Design Package*.

44. Solicitation VA701-14-B-0154, Article 4.12 (b) refers to the Department’s annual SDVOSB and VOSB prime contracting goals. We have not been able to locate this information. Can you state the goals for SDVOSB and VOSB participation on this project?

**VA Response:** The VA has not determined the Fiscal Year 2014 Small Business Subcontracting Goals. Please use the below Small Business Subcontracting Goals from 2013:

Total Small: 35%  
SDVOSB: 10%  
VOSB: 12%  
SDB: 5%  
WOSB: 5%  
HUBZone: 3%

45. Please provide the Small Business goals for this project.

**VA Response:** The VA has not determined the Fiscal Year 2014 Small Business Subcontracting Goals. Please use the below Small Business Subcontracting Goals from 2013:

Total Small: 35%  
SDVOSB: 10%  
VOSB: 12%  
SDB: 5%  
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46. Will the government extend the Q&A period to allow for supplemental questions to be asked once Addendum #2 to the Issued for Bid Design Package has been issued to the bidders?

**VA Response:** No. Any questions received will be reviewed but the VA cannot guarantee an answer.

47. (Amendment A00005 – Question #10) Specif. 48 20 10: Section 1.4, paragraph A reads that "Contractor shall demonstrate successful installation of at least four projects that in aggregate equal or exceed the size of the proposed project." While Amendment #2 stated that "proof of meeting the requirement" is not required with bid submission, please clarify if meeting this requirement is still a requirement of the solicitation.

**VA Response:** The requirement does remain but evidence of compliance should be provided during normal submission process as described in section.