



Service Disabled Veteran Owned Small Business

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June 30, 2014

Baltimore VA Medical Center
Facilities and Engineering Service
10 North Greene Street
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Re: Managed Care/Emergency Dept./Enrollment Center
Project No. 512-511
Solicitation Number VA245-14-B-0083

MJ Braun RFI 002, June 4, 2014 - List this RFI as #074
(MJ Braun RFI 001 list as RFI 073)

The following responses refer to Mechanical drawings dated August 17, 2012 which supersede the drawings dated April 27, 2012.

1. Comment: Drawing MH-601 indicates VAV terminals, with letter identifications A thru L, R, & S. These VAV terminals are indicated to be installed with hydronic re-heat coils. Drawings numbered MH- 105, MH-106, MH-107, MH-109, and MH-110 illustrate the same VAV terminals at various locations without hydronic heating pipe mains being illustrated to serve the same terminals. Are we to consider these terminals will not require any re-heat coil? If they do require a heating water connection to a re-heat coil, will revised drawings be issued?

Response: **Price in hydronic re-heat coils for all new (and heating water connections for all new and relocated) VAV boxes identified with letters A thru L, R and S.**

2. Comment: For example, Drawings MD-110 and MH-110 do not indicate pipe sizes on existing heating water supply and heating water return mains. The plans illustrate for us to connect new heating water branch mains to existing heating water mains at various locations. Can plans be provided which illustrate the existing pipe main sizes in all of the areas where this connect to existing work will occur?

Response: **The size for the existing piping was left off to make the drawings less congested and easier to read. The sizes for the existing piping will be shown for hot and chilled water.**

3. Comment: Drawing MH-111, the VAV terminals illustrated on this drawing do not have identification equipment numbers. Can a revised plan be provided which illustrates the equipment numbers for these terminals?

Response: **Refer to drawing set dated 8/17/2012.**

4. Comment: Drawing MH-111, there are six sided figure identification numbers noted on this drawing. There is no legend or drawing note schedule which defines this style of note. What does this note represent?
- Response: **The hexagonal identifiers are left over from the original as-builts and will be either deleted or re-keyed.**
5. Comment: Drawing MH-111, there are dark bold rectangle figures indicated on this drawing. These figures do not have any identification label nor are the same illustrated on the mechanical legend. Drawing MH-110 indicates the same figures to be fin tube radiation complete with a BTU capacity. On both drawings are we to consider this as new construction concerning these fin tube assemblies?
- Response: **The fin tube radiation assemblies are existing-to-remain.**
6. Comment: In many cases the mechanical contractor will have to connect to the existing heating water system at many locations. Who will be responsible for draining, re-filling, and venting the hydronic systems when connect to existing work is scheduled?
- Response: **Prior to the commencement of work the contractor shall meet with the owner's rep. and a representative of the "end user" to discuss and formulate a schedule and sequence for draining, re- filling and venting the hydronic system which minimizes the disruption of service.**
7. Comment: Drawing MH-104, the match line between areas C2 and C4, between column lines 6 and 7, illustrates two VAV terminals, Drawing MH-106, illustrates six VAV terminals at the same area. Which drawing is correct?
- Response: **The correct number of VAV boxes in that area is eight (8). The match line will be adjusted to show them all.**
8. Comment: During the wall out held on May 29, 2014, we asked if an interstitial space exists above the Emergency Room and Outpatient Room areas. Is there an interstitial space above these areas?
- Response: **Interstitial space exists of above Quad. C (Outpatient Room areas) and Quad. D (Emergency Room areas).**
9. Comment: Is the Welcome Center considered to be the Enrollment Center with regards to Alternate Bid Item #2?
- Response: **The Welcome Center and the Enrollment Center are the same.**
10. Comment: Will the area above finished ceiling located over the Welcome Center be considered an interstitial space? Or do we consider this space to be above ceiling construction only, non-interstitial?
- Response: **The area above the Welcome Center will be considered interstitial space.**
11. Comment: Drawings MH-110 illustrates hydronic heating fin tube assemblies to be installed. Drawing AD-102 does not illustrate the finished ceiling assembly to be removed to accommodate this fin tube installation work. In order for new fin tube and heating piping to be installed in this area the finished ceiling will need to be removed. Is this fin tube work to be considered as a new assembly?
- Response: **The fin tube assemblies are existing-to-remain.**
12. Comment: Drawing PP-204, Note 4, Room#ID-104, indicates we are to install drain lines from the trough drains to a 1000 gallon storage tank, tank location to be determined by the VAMC. We do not have

a drawing which illustrates where this tank is to be located. Will this information be furnished which shows the location of the storage tank, a piping schematic as to how we are to connect the tank to the piping systems required which illustrates inlet/outlet/and vent piping, what type of materials are we to install for the drain lines on this system i.e., no hub cast iron, soldered joint DWV copper, and specification for the storage tank if the contractor is to furnish and install the same?

Response: **Storage Tank to be located in Northeast Corner of P1 Parking Level, directly below trough drains. Drain lines shall be (4") cast iron (see spec section 22 13 00). Storage tank can be fiber glass tank. Provide tank full alarm back to the decon room (ID-104). Contractor shall provide and install.**

13. Comment: Drawing PP-204, Room #ID-104. The trough drain located to the plan west of this room does not have any drain line piping illustrated connecting to it.

Response: **Provide connection to the drain line shown.**

14. Comment: Drawing PP-204, Room #ID-104, there is no specification for the trough drains. Are these being furnished and installed by others?

Response: **Provide wrought brass with plate grid strainer. 5ft long by 4in wide.**

15. Comment: Drawing PP-204, Room #ID-104. There is a floor drain illustrated to be located in this room. Will this floor drain require a trap primer?

Response: **Yes.**

16. Comment: Alarm units are indicated to be installed on emergency shower and emergency shower & eyewash units, Will these alarms be connected to the Metasys control system or are they stand alone alarm devices with local annunciation?

Response: **Delete the alarms.**

17. Comment: Drawing PP-602, there is no specification for the fixture identified as P-707A.

Response: **P-707A is the emergency shower and eye wash (P-707 is the emergency shower).**

18. Comment: Drawings MD-101, MD-102, MH-101, and MH-102 do not reflect any demolition or new work to be installed in the service bay area(s) via bold lines of notes. Are these drawings for information only?

Response: **Refer to drawing set dated 8/17/2012. Drawings MD-101, MD-110, MH-101 and MH-111 only show work to be done in Service Bays A and D.**

19. Comment: Drawing MH-111, is the hydronic fin tube illustrated on this drawing existing to remain or is to be installed under this project as new?

Response: **The hydronic fin tube assemblies are existing-to-remain. No work required.**

20. Comment: Drawing MH-601 illustrates the equipment schedule for AHU-1. Drawing MH-502, Detail 9, illustrates the layout of the equipment and orientation for AHU-1. Preheat and cooling coils are illustrated on the detail per Drawing MH-502, Detail 9. The equipment schedule noted on drawing MH-601 does not indicate BTU capacities, GPM water flow, Pounds of Steam per hour for this unit. Drawing MH-111 does not illustrate any chilled water, DX piping, heating water piping, or steam piping systems to serve new AHU-1. Please advise us as to the unit construction and piping services required for this AHU.



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Response: **Refer to drawing set dated 8/17/2012 for hydronic piping. The heating/cooling capacity and flow rate data will be added to the schedule.**

21. Comment: Drawing MH-111 does not illustrate an ACX condensate piping requirement or pipe size for AHU-1. Drawing PP-602 illustrates a CD-1 riser with a drain line extending and noted for mechanical equipment. Is this the drain line branch we are to connect to the new storm water riser for AHU-1 AC condensate? What size AC condensate line does the consultant want us to install?

Response: **Refer to drawing set dated 8/17/2012 for condensate piping.**

22. Comment: Piping services labeled HWHFR and HWHF are illustrated at the phase one area construction. Are these piping services existing to remain?

Response: **All hot water piping, except where shown as demolition for removed/relocated VAV boxes, is existing- to-remain.**

23. Comment: Drawing MH-110, bold print rectangles are illustrated on this drawing at two locations. What do these rectangles mean or define so far as our work is concerned?

Response: **Fire rated barriers/chases are existing-to-remain.**

24. Comment: Drawing MH-110, three new VAV terminals numbered C-VI, E-VII, and D-VI are illustrated on this drawing. Even though indicated via the equipment schedule, no heating water piping is illustrated to be installed to these terminals. No pipe sizes are indicated for the heating water system on this drawing. Where will the re-heat coils for each terminal as scheduled connect to the existing heating water system? We will need pipe sizes for the existing system so connection tee sizes can be determined.

Response: **A closer look reveals that hot water supply and return lines are shown on this the set date 4/27/12. The pipe sizes are called out in note 5. Drawings date 8/17/2012 supersede those dated 4/27/12. An additional set of drawings will be issued to incorporate and further clarify comments as noted above.**

Respectfully,

Randy R. Hommas, RA
Project Manager