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Request for Information

M-R RFI No.: Bidding-003 **Request Date:** 1/4/2017

RFI Title: Bidding RFI's **Contractor/Supplier:** Merit, Inc.

RFI Type: Bidding **Response Due Date:** 1/6/2016

M-R Project No.: **0499-0079** **Priority:**

M-R Project Name: **East Orange VAMC – HVAC Deficiencies**

Critical Path Item:	Attachments Included:	Contract/PO Change Required?
☐ Yes ☐ No ☒ N/A	☐ Yes ☒ No	☐ Yes ☒ No

Reference

Customer Project No.: *CSI-Division:*

Contract/PO No.: *Drawing:*

Other:

Requested Information:

1. **5C- Preheat Coil Replacement and New Piping :**
   1. Will solder less pipe fittings be allowed in the replacement of the existing rooftop piping?
   2. As NO heat trace was visible on the existing outdoor piping, Please verify that the existing preheat coil system is currently glycol filled?
2. **O.R Cooling Tower Replacement** :
   1. Is Schedule 80 PVC Pipe expectable in the new piping schedule, with the exception of the make- up water line?
3. **'E' Core Auditorium & Chapel Removal and Replacement:**
   1. In regards to general sheet note #1, will there be specified BTU's, quantities, and locations for the spot coolers, assuming spot coolers are required?
   2. 1-ACCU-4E is shown as a new install, however please confirm that structural drawing that supports the install is labeled as an AHU rather then an ACCU on drawing SF102?
4. **Third Floor 'B' Wing Dental:**
   1. In regards to the demolition plan. Please verify that Prior to the 1st temporary AHU being set in place, the existing AHU will be demoed?
5. **Third floor 'C' Wing - Canteen**:
   1. In regards to the demolition plan, while Mechanical Closet 3-181B is being demoed, please verify spot coolers are required, if so how may spot coolers are needed?
   2. Will facilities consider running refrigeration piping for the Heat Recovery system inside the building as far down as possible before having to run the piping on the outside of the building ?
   3. If building isolation valves are not able to secure building system water, will the responsibility be on the building to secure mentioned valves?
6. **Second Floor 'B' Wing- Endoscopy**:
   1. With the given air balance already set in each room, will there be any issues with a spot cooler, if needed?
7. **AHU 33 removal and Replacement:**
   1. In regards to the installation path plan for the new AHU 33, is there an alternate route available do to any conflict from new AHU?
8. **Building 7 AHU 'X'**
   1. Besides the required painting of the existing AHU curbs, please verify that there are no other roof penetrations
9. **'E' Core Museum Second Floor**
   1. Is there a weight limitation on the lift system?
   2. Is there an approved floor protection material required do you weight of lift?
   3. Please verify there is no temporary heating / cooling equipment required during the duration of this project.
10. **Building 15 Ground Floor Chiller:**
    Please verify that the existing cooling tower water supply/ return pipe sizes will match the specified condenser pipe size on the drawing.
    With water flow readings being a requirement prior to demolition, Whom is responsible to have all pump strainers cleaned, valves opened, bundles cleaned for maximum readings?

Requested Information (continued):

11. **AHU-8 Penthouse Core**
    1. In the General sheet notes, it is stated that during the use of the access Hatch, the existing communication lines will be secured to avoid hoisting issues. Are contractors permitted to relocate communication wires? If simply (securing) the communication wires are not enough to avoid any lift issues, will that become the building Facilities responsibility to relocate the wires?
    2. With regards to utilizing the existing access Hatch, It is stated that the (electrical contractor) is to relocate conduit. Please verify that the relocation of conduit is responsibility of awarded contractor.
    3. It is shown in print (11-M-102) that 2 of the 4 temporary units are identified for their location, are there any other areas where temporary units are to be placed that are not identified?
    4. What is the technical floor number that the AHU-8 is located? What is the technical floor number the fire-rated hatch doors are located?
12. **AHU- 9 Remove and Replacement**
    1. Pease confirm that the existing pneumatic controls are to remain.
    2. Pease confirm that the existing outside air louvers can be removed, allowing equipment to be removed and installed.
    3. Please confirm that temporary units will not be required.
    4. Please confirm that a crane will be allowed to be used, following Facilities guidelines, during this install.
13. **AHU Audiology Removal and Installation :**
    1. If a situation occurs, and the unit is not running during the expected start time, ids there a quantity or floor plan for temporary spot coolers?
14. **AHU-7D- Removal and Replace:**
    1. Is an airflow report before and after required for this project.
    2. Is there a required distance from the AHU to the newly installed steam coil?
15. **General Information:**
    1. Is a full time Quality Control Manager needed?
    2. Is a full time Site & Safety Health Officer needed?
    3. Is a full time Site Superintendent needed?
16. **Canteen heat recovery project**
    Please verify that the pipe lengths that are noted in the sheet keynotes #5 are correct. There should be (3) sets of pips that should be the same lengths going to the branch boxes.

Suggested Solution:

1. The rooftop piping shall conform to specification section 232113, 2.3, B. which shall be welded pipe, but allows for groove-end pipe. The system is a glycol mixture solution.
2. Schedule 80 PVC may be used for the chemical treatment. However, the chemical treatment for the condenser water system is existing.
3. Calculations performed for the Auditorium and Chapel are based on end usage of the Facility and do not represent actual construction conditions, which include ICRA partitions, filtration fans, varying lighting and construction personnel. The existing window unit capacities in the Auditorium are unknown. However, the sensible cooling load, under peak conditions, calculated by Miller-Remick for the Users needs are 75 MBH for the Auditorium and 20 MBH for the Chapel. Locations will vary throughout the construction process. The spot coolers shall be mobile and able to connect to an electrical wall outlet.
   Correct, the unit callout in 4/SF102 should read ACCU in lieu of AHU.
4. Correct, due to the physical restrictions, the existing unit will be demo'd off hours. Then the temporary units will be located, tie-in connections made, and units operational, prior to the Dental's Suite Monday start time.
5. Spot cooler requirements shall be based on the Facility's approved phasing plan, provided by the Contractor. Factors such as time of year and construction duration will impact the need for spot coolers. However, the sensible cooling load, under peak conditions, can be derived from the "Split System Heat Recovery Schedule" on drawing M-703.
   - Contractor to run all refrigeration piping the exterior of the building as shown in the contract documents.
   - If existing valves not included in the contract documents scope are required to be turned off for work scope isolation are not functioning properly, the VA is to work with the awarded contractor to provide project isolation.
6. Spot coolers will not be required for Endoscopy. The coils shall be replaced off hours, one room at a time. The existing air handling unit is discharging 55 deg F supply air, so the coils will need to operational prior to use the next day to prevent cold air conditions to the space.

Suggested Solution (continued):

7. A/E has walked this path with VA personnel. However, it is strongly recommended that the Contractor review any and all possible alternatives to the path shown.
8. No additional roof penetrations required per the contract documents.
9. The air handling unit serving the Museum can be turned on and off as needed, provided duct adhesive requirements are maintained while connecting to the existing mains.
    a. Standard man lifts for light construction and maintenance are acceptable unless otherwise noted by the VA.
    b. Contractor to provide floor protection and required load distribution means for all proposed equipment to be used during construction.
10. Pipe sizes are based on existing documents. All work required for system baseline readings shall be included under this contract.
11. Contractor to work with the VA if identified wires are unable to be secured and are required to be relocated.
    - Correct, the awarded Electrical Contractor will relocate the conduit.
    - The four (4) temporary units required are shown on plan.
    - AHU-8 is located in Penthouse A, above the 13th Floor. The floor hatch is encased in a fire-rated assembly and is in between the 13th Floor and Penthouse A.
12. Pneumatic controls associated with AHU-9 are to be replaced with DDC controls. There are existing pneumatic controls serving equipment outside of the scope that are to remain.
    The removal of the outside air louver shall be part of means and methods, as a better alternative for the Contractor. This shall be included in the phasing plan submitted to the VA for review.
    AHU-9 is shutdown seasonally and therefore will not require temporary units.
    The use of a crane and its location on site shall be coordinated with the VA. The design intent stated in General Sheet Note #3 was to use the adjacent access road as the staging area.
13. If the unit is unable to start by the identified time period, the contractor will work with the VA to provide cooling as required at the awarded contractors cost, unless otherwise directed by the VA.
14. Airflow readings for AHU-7D will not be required. The steam coil shall be located downstream of the existing smoke detector. The plan shows the new coil in a central location of the duct main within the Mechanical Room, for the purpose of installing the required access doors and duct mounted temperature sensor.
15. Contractor to provide identified personnel per the contract documents. Amount of time on Site will be directed by the VA and per contractors approved construction schedule.
16. Contractor to use the lengths provided in the contract documents for bidding purposes. The lengths are a combination of all the refrigerant piping. Installed lengths may vary from the contract documents due to coordinated field routings.

RFI Response: (Attachments ☐Yes ☒No) ***Response Date:***

Attachments:
Distribution: