

**PRE-BID QUESTIONS DECEMBER 2023 SOLICITATION**

	Question	AE Answer	VA Final Answer
1	<p>1. The pipe insulation required by Specification Section 23 07 11 is very likely much thicker than the existing insulation.</p> <p>a. Have provisions been made to physically fit the new thicker pipe insulation in the same spaces as the existing?</p>	<p>Intent is for new piping to follow pathways of existing piping. However, routing on plans is generally diagrammatic to show design intent. Refer to specification 23 22 13 paragraph 3.1.B.</p>	<p>Concur with AE Response.</p>
2	<p>2. If the existing piping is not pitched per the specification requirements will the new piping have to be?</p> <p>a. If yes, who will be responsible for utility relocations and potential ceiling height adjustments?</p>	<p>New piping shall be pitched per specifications. Steam may be drip-trapped and re-lifted where necessary to maintain elevation. Coordinate starting heights to stay above ceiling and allow for offsets as required to avoid interferences. Refer also to specification 23 22 13 paragraph 3.1.B. Where interferences are otherwise unavoidable without lifting condensate, relocate conflicting utilities as required. Allow in bid for up to 200 LF of electrical/data conduit relocations and 100 LF of air duct offsets as needed.</p>	<p>Concur with AE Response. In addition, relocations, and adjustments to be made by contractor.</p>
3	<p>3. It appears duct modifications may be required for many existing air terminal units to tie in the new slot diffusers.</p> <p>a. Are any utilities going to need to be relocated?</p> <p>b. Is there physical space to fit the new ductwork?</p> <p>c. Who is responsible for utility relocation?</p> <p>d. What are the required duct sizes?</p> <p>i. Detail indicates branch runouts are to match diffuser neck sizes; however, there are multiple branch runouts on single ducts with no size listed.</p>	<p>Refer to specification 23 31 00 paragraph 3.1.B. New branches serving 1 new LSD-1: 6” dia; 2 new LSD-1: 8” dia; 3 new LSD-1: 10” dia. Equivalent rectangular sizes are acceptable for new branches serving multiple diffusers. Individual 6” runouts from existing main are acceptable, as conditions allow, at contractor’s option.</p>	<p>Concur with AE Response. In addition, relocations, and adjustments to be made by contractor.</p>

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4	<p>4. It appears the piping is required to be replaced thru the existing ceilings.  a. Who is responsible for any utilities/equipment that must be relocated for this work to take place?</p>	<p>Refer to question 2</p>	<p>Concur with AE Response. Relocations, and adjustments to be made by contractor. In addition to allowances in question 2 response (by AE), allow in bid for 200 LF of hydronic piping relocations and 200 LF of sanitary/vent relocations as needed.</p>
5	<p>5. Previous experience tells us there will be existing steam valves that will not close properly.  a. Who is responsible for replacing non-functional existing valves?</p>	<p>Intent is to replace existing steam system including valves.</p>	<p>Intent is to replace existing steam system including valves. Notify COR to provide direction if any non-functional valves are encountered during shut down of existing system.</p>
6	<p>6. Previous experience tells us hot water radiant ceiling panels provide less heat than the existing steam radiators.  a. Who is responsible if spaces are not able to maintain the appropriate temperature upon project completion?</p>	<p>Radiant panels are supplemental to the VAV heat which was added after the original existing steam radiators.</p>	<p>Concur with AE Response.</p>
7	<p>What capacity is required for each radiant ceiling panel?</p>	<p>Radiant panels shall provide minimum 230 BTU/H per SF at a mean water temperature of 190°F</p>	<p>Concur with AE Response.</p>
8	<p>Sheet GC001:  a. Phasing Schedule does not allow much work to be accomplished during each shift with ceilings having to be removed and utilities relocated to start work and then the space having to be returned to previous occupied conditions by the end of the shift.  i. Has this been considered in the Period of Performance?  ii. Are any occupants able to be relocated to allow areas to become construction sites for more than just 8-15 hour, or weekend shifts?</p>	<p>8a.1: VA to confirm  8a.ii: VA to confirm  8b. VA to confirm  8c.i: VA to confirm  8c.ii: There are two large sterilizers “Steris Amsco Century V-148H Prevac Steam Sterilizer” and two washer/disinfectors “Steris Reliance Genfore”. The washer/disinfectors, though not shown on current plans, are located on the plan west wall of room 3E04 and must</p>	<p>8a. JEVZ Medical Center must remain in operation 24 hours a day 7 days a week. The phasing schedule represents the optimal times to achieve work with minimal disruption to VA Staff and Patients. Several of the outpatient, mechanical, office and common areas would be available for weekend work with extended hours. Contractor to request access to these area from VA COR for evaluation of feasibility and coordination.  8ai. Yes  8aai. No</p>

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	<p>b. Phasing General Note I - Which two weeks of the year will the JCAHO inspection be?  c. Sterilizer maximum allowable downtime is only 4 hours.  i. Is there a limit on the number of times the sterilizers can be down for 4 hours?  ii. Can sterilizer equipment data be provided to determine cost for rental clean steam generator?</p>	<p>be reconnected to the new steam and condensate mains shown to the large sterilizers.</p>	<p>8b. Recent JHACO inspections have typically been during summer months. However, inspections schedule dates and times are at the discretion of the inspecting authority and subject to change or reschedule at any time.</p> <p>8ci. VA would allow weekend work in SPS areas to facilitate longer shutdown durations of the sterilizers.</p> <p>8cii. Concur with AE Response.</p>
9	<p>Sheet GC101:  a. MEDIUM PRESSURE STEAM BASEMENT MAIN PIPING PHASING PLAN – Requires a new parallel 6” MPS main be installed adjacent to the existing.  i. Is there physical space to install this main?  1. Sheet MP103 – Shows new 6” MPS, 4” LPS &amp; 4” PC in the same location as many 3”, 4”, 5” &amp; 6” existing to remain pipes.  a. Is there physical space for the new piping?  ii. Who is responsible for any equipment or utilities that may have to be relocated?</p>	<p>New pipes were intended to follow pathways of demo’d pipes (3, 4, 5, 6” pipes noted are not existing to remain). Refer to previous RFI responses regarding field adjustments and offsets as required to achieve general layout intent.</p>	<p>Concur with AE Response.</p>
10	<p>Sheet MD601:  a. Keynote 2 indicates steam radiator digital valve controls are to be migrated to the new hydronic radiant ceiling panels.  i. Do the existing valves have the proper Cv to appropriately control the new radiant ceiling panels?</p>	<p>The control I/O point is to be migrated, the physical controls (valve, wiring, conduit) are to be new per plan notes. Below keynote is typical for new radiant ceiling panels.</p> <p>3.MITIGATE EXISTING BAS I/O POINT FOR ABANDONED-IN-PLACE WALL RADIATORS TO NEW RADIANT CEILING</p>	<p>Concur with AE Response.</p>

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		PANEL CONTROL VALVES. PROVIDE NEW CONTROLS CONDUIT AND CONDUCTORS IN ACCORDANCE WITH SPECIFICATIONS 23 09 23. REFER ALSO TO I/O POINT LISTS ON M-700 SHEET SERIES.	
11	<p>Sheet MP303:</p> <p>a. There is an “X” on the 4” dia MPS (tagged “MSV”) line to the domestic water heaters.</p> <p>i. Does this “X” symbol represent a pipe anchor?</p> <p>ii. Is an anchor required for the 6” MSV line?</p> <p>Floor penetration serves as an anchor in this plane.</p> <p>iii. If this is an anchor, locations shown on plan will not work with the distances on the expansion loop detail.</p> <p>1. Where are the guides to be installed?</p> <p>iv. There are other “X”s throughout the plans.</p> <p>1. Are anchors required at each location?</p> <p>v. Can a plan be provided with anchor locations identified?</p> <p>b. Is MLPS low pressure steam?</p>	<p>a.i: Yes</p> <p>a.ii: Floor penetration serves as an anchor in this plane.</p> <p>a.iii.1: Refer to detail 11 on M-502 and general note 3 therein.</p> <p>a.iv.1: Refer to symbols legend</p> <p>a.v: Anchor locations are indicated per the symbols legend</p> <p>a.v.b: Refer to HVAC piping symbols on M-002</p>	Concur with AE Responses.
12	<p>Sheet MP112:</p> <p>a. The new pipes up thru the bldg are larger than existing.</p> <p>i. Will the equipment function properly if deduct alternate 1 is accepted?</p>	<p>a.1: Equipment will function as existing</p> <p>b.1: 4 is typical</p>	Concur with AE Responses.

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	<p>b. Keynote 4 indicates "TYP 5"</p> <p>ii. There appears to only be 4 pipes. Are we missing one?</p>		
13	<p>On GC101 Main piping phasing plan, to maintain steam while installing new line the branch connections are they the 6" mains only?</p>	<p>Question is not clear</p>	<p>Intent of question is not clear. Drawing GC101 and MP103 show two new 6" MPS lines.</p>
14	<p>The piping tagged MSV would that piping fall under medium pressure steam or vent piping. On drawing MP303 the 4" MSV is supplying medium pressure steam to the existing domestic water heaters and is not vent piping. The 5" MSV piping is from the SV. Do you want this piping galvanized as stated in specifications.</p>	<p>MSV is steam vent piping. The 4" MSV on MP303 is venting the condensate pump receiver in BB12 from the south and pump receiver in BE01F from the north and then rising between the water heaters through the chase to the roof. Follow steam vent specifications.</p>	<p>Concur with AE Response.</p>
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