

## REQUEST FOR INFORMATION (RFI) RESPONSES

### PROJECT: IMPROVE MECHANICAL UTILITIES, PHASE 4

LOCATION: MALCOLM RANDALL VA MEDICAL CENTER, GAINESVILLE, FL

Project No.: 573-12-603

ITEM NO.	QUESTION	RESPONSE
1	1. Temperature Controls Low Voltage Wiring and Conduit - Conduit Size – Can ½” conduit (versus ¾”) be utilized for the project where needed for low voltage and communication wiring (<60v)?	No.
2	2. Laydown Area - Will the Contractor have a laydown area(s)? If so, where?	No.
3	3. On-site Storage for Materials - Will the Contractor have a place to store materials on site within the existing facility? If so, where?	No.
4	4. On-site work trailer - Will the Contractor have a place for an on-site work trailer? If so, where?	No.
5	5. On-site Conex - Will the Contractor have a place to provide and store a conex container? If so, where?	The GC will be provided two parking places, only. One space can be used to place a conex container.
6	6. Infection Control – portable vestibules – are portable vestibules with HEPA filtration required for all above ceiling work?	Yes, but must exhaust to the outside.
7	7. Reuse of existing Conduit - Can the Contractor reuse existing conduit/raceway?	No

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8	8. Can the existing AC-1 and AC-4 AHU Controllers (DDC Panel ONLY) be reused if the amount of points are available to support the new AC-1 and AC-4 AHU equipment?	No
9	9. Can the existing AC-1 and AC-4 AHU Controller enclosures be reused if they are adequate size for the new controls?	No
10	10. Ethernet Drop Responsibility – Typically at the Gainesville VA, the in-house Engineering Group handles providing and installing the Ethernet Drops, switches and cabling for the control system because the IT Group desires a “managed” switch. For this project, who is responsible for the Ethernet drop connections to the BACnet Building Controllers required for managing the new reheat VAV box controllers?	GC will be responsible for this.
11	11. Commissioning Air Balance – Is a pre-Test & Balance Report to verify “as-is” airflow conditions of the existing dual duct boxes required to be submitted prior to performing the controls retrofit?	No. This project is an air handling unit and VAV terminal replacement. The new required supply air flows are scheduled on the documents and there is no need for a pre-construction TAB on the supply side because it was done during construction. See revised section 23 05 93 Testing, Adjusting, and Balancing of HVAC for changes in that specification section pertaining to existing exhaust system.
12	12. What are the rules, regulations and guidelines for removing ceiling tiles throughout the hospital area?	For less than 24 hours, can use above ceiling permit. Over 24 hours, will need ICRA for that area.

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13	13. How are patient, lab, common areas, etc. going to allow access during operational hours?	Will need to coordinate scheduling with occupants.
14	14. Specification Section 23 09 23, Part 1 General, Section 1.1, Item A. states "The Controls Integration Contractor shall integrate the control systems installed as part of this project into the existing Tridium Talon Web based HVAC control system user interface. The following are the prequalified Integration Contractors whom may bid and if successful, complete the integration for this project: Mechanical Systems and Services, Charlotte, North Carolina." Are there any other Niagara Master Integrators approved to perform this work for this project?	Yes. See revised Section 23 09 23 Direct-Digital Control System for HVAC.
15	15. Specification Section 23 09 23, Part 1 General, Section 1.1, Item B. states "The Control Systems Contractor shall complete the control systems demolition and new work as indicated and specified. The following are the pre-qualified HVAC Control Systems Contractor whom may bid and if successful, complete the control work of this project: Siemens and Johnson Controls, Inc.". Are there any other Controls Contractors approved to perform this work for this project?	Yes. See revised section 23 09 23 Direct-Digital Control System for HVAC

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16	<p>RFI #1: Specification Section 23 09 23, Paragraph 1.1, A. In the specification it states that this project is to be integrated to the existing Tridium Talon Web based HVAC control system. There are 2 existing front end work stations at the VA Gainesville site. One work station is a Siemens Apogee BACnet station, and the second is Siemens Niagra. This Tridium Talon Web based system is a Siemens system. In addition to this server there is a Siemens BACnet apogee server. The Siemens BACnet Apogee server currently controls, monitors, alarms, and trends over 95% of the VA Gainesville complex. This RFI formally requests this project to be integrated to the existing Tridium Talon system or the Siemens Apogee BACnet system. This will create competition and lower overall project costs. Please respond accordingly.</p>	<p>See revised section 23 09 23 Direct-Digital Control System for HVAC.</p>
17	<p>RFI #2: Specification Section 23 09 23 1.1.A, 1. Mechanical Systems and Services have been listed as the only integrator of the building automation system to the Tridium Talon system. Siemens Industry, Inc. is a certified, licensed Tridium Talon integrator. This RFI is to formally request to have Siemens Industry, Inc. also listed as a certified integrator. This will create competition and lower overall project costs. Please respond accordingly.</p>	<p>See revised section 23 09 23 Direct-Digital Control System for HVAC.</p>

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18	RFI #3: Specification Section 23 09 23 1. 1 B. 100% of the VA Gainesville Complex metering, HVAC, operations monitor system, etc. are trended, alarmed, and monitored by Siemens products. This RFI is to request clarification that Johnson Controls is being considered a provider of product on this project. Please respond accordingly .	See revised section 23 09 23 Direct-Digital Control System for HVAC. Johnson Controls may bid the project if their BACnet products can integrate into the Niagara Talon system.
19	RFI #4: Specification Section 23 09 23 1.1, C.1. The Direct-Digital Control system shall consist of high-speed, peer-to-peer network of DOC Controllers... The VA Gainesville facility no longer desires to have a peer-to-peer network. The VA Gainesville site has requires a new standard of Ethernet connection from the BACnet panels to the associated Ethernet data room. The BAS contractor is currently required to provide the Ethernet cabling from the panel connection point to the data closet. The VA Hospital provides the final connection and IP address. Please respond accordingly if this is the standard to be followed on this project.	Yes. See revised section 23 09 23 Direct-Digital Control System for HVAC.
20	1) During the pre-bid site visit there are a set of (3) steam vents identified, but there are only (2) shown on the plans to be moved. It seems that the one set that is not shown is in the way of the supply duct. Please show a route for those steam vents.	Per our field measurements the stacks to the South East of the new AC-1 location are not in the way of the new unit.

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21	2) Is the contractor required to provide temporary air?	Yes, if it becomes necessary. In general the air handling unit replacements will not require temporary air, but if the contractor begins work in an area replacing terminals and does not complete the work prior to the next normal working day, he will have to provide temporary air to the affected rooms. In all circumstances setting temporary terminals with local thermostats should be all that is needed.
22	1. Section 2.1T of 237300 (Indoor Air Handling Units) specifies that "...distribution piping, strainers, isolation valves, control valves and automatic flow control valves...be pre-piped at the factory...ready for contractor's connection to chilled water supply and return...". The cooling coil detail on M503 also indicates such components being provided at the factory. However, the plan view on M101R shows full face cooling coils. With full face cooling coils as shown, there is not space internal to the ahu cabinet to provide the strainers, isolation valves, etc. Please clarify where and by whom (manufacturer or contractor) those components are to be installed.	This requirement for factory piping has been removed from the project. See revised section 23 73 00 and revised drawings and details.

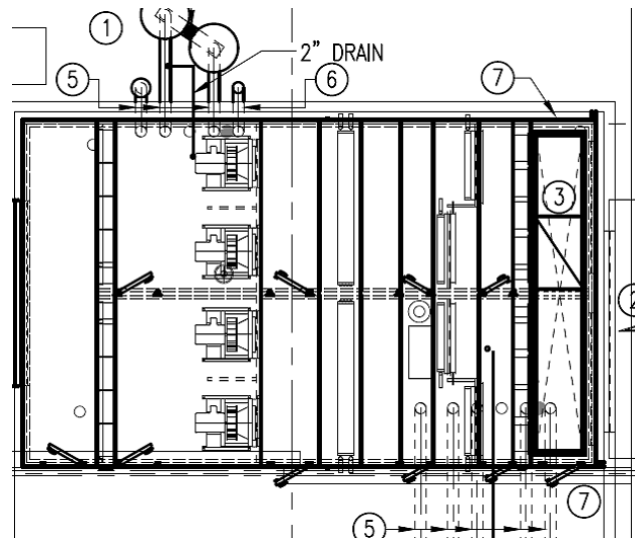
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23. The AHU schedule on M601 lists 80,000 CFM with 160 sq. ft. of coil for the typical 500 fpm coil velocity limitation. However, the VA's specification requires coil coatings which decrease the allowable coil face velocity without out moisture carryover. With 92/79 EAT, the coil velocity to not have moisture carryover with a coil coating will probably be closer to 450 fpm, requiring a larger ahu cabinet than shown. Please clarify if the coil coating can be omitted so a unit can be provided at 500 fpm or, if the coating is required, should the manufacturer provide the unit wider or taller than shown on the plans.



The coil coatings are required. The air handling unit manufacturer is responsible for providing a unit that does not have moisture carryover with a properly coated coil. The basis of design manufacturer does not agree that carryover increases with coil coatings. The air handling unit support platform shall be modified to match the requirements of the air handling unit that is provided.

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24	In the specifications, under General Requirements, Section 1.4.C Guards, there is a requirement listed to provide unarmed guards during the hours of construction. Will the VA please confirm this requirement is applicable to this particular job? If this is a requirement for the job, please clarify many guards are to be on the premises during the hours of construction.	Section 01 00 00 – General Requirements has been revised to delete requirement for Guards.
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END OF RFIs