

HVAC Q&A

Project #N00051526C

- Will this project have Pima County DB Prevailing Wages? If so, can you provide the wage rate determination sheet. **Response: Yes, DBA Wage Determination: AZ20250040**
 - Which Areas would be deemed critical during shut down for temporary cooling? **Response: The one area critical to maintain temperature (75 degrees) is the data center. It has it's own separate chiller system that is not part of this project. We can move employees to other offices as needed during the project.**
 - Will the bids require bid bond or payment & performance bond? **Response: No bid guarantee is required, but both a payment and performance bond are required. See amendment 01 to the RFB adding the missing bond language.**
 - Please confirm if HVAC platform bar grating is galvanized or black enamel finish **Response: Galvanized is acceptable.**
 - Please confirm angle bracing - sheet SF 103 keynote 3 calls for L 3x 3 x 1/4" / Sheet SF 104 det. 9 calls for Double angle L 3 x 3 x 1/4" braces. **Response: Use single angle L3x3x1/4".**
5. Has a Hazardous Materials Assessment been performed and will it be made available to bidders? **Response:** [environmental testing/hazardous materials assessment report](#)
6. Append A. Applicable Reference Documents; Can the Appendix A Documents listed below be issued for review?: **Response: All are loaded onto the website as well.**
- NOIRLab Tucson Base Facility Map [NOIRLab Tucson Base Facility Map](#)
 - TUC-02-3200-40 Tucson Facility Floor Plans [Tucson Facility Floor Plans](#)
 - TUC-8010-40 Tucson Facility Electrical One Line Diagram
[Tucson Facility Electrical One Line Diagram](#)
 - Build America, Buy America Fact Sheet and FAQs [Build America, Buy America Fact Sheet and FAQs](#)
 - Tucson Office Contractor Guidelines
[Tucson Office Contractor Guidelines](#)

- The link to the bid documents is not working. Are we correct that an updated link will be provided? **See above links.**
- Pre-bid questions are due this Friday 8/22/2025 by Noon, but the bid is not due until 9/19/2025. Can the deadline for questions be extended until September 9th, 2025? **Response: See Amendment #1. We have extended the deadline for questions to 9/3/25. Updated schedule.**
- Can the list of Site Visit Attendees be distributed so that bidders can contact potential subcontractors interesting in bidding? **Response: List of site walk attendees posted to website 8/19.**
- Please provide the Manufacturers Name, Model Numbers, & AIC Ratings for all Switchboards & Panels that are having existing switches/breakers replaced. Information was not provided on plans & was unavailable during site walk. The following are noted as having new switches/breakers: 'SES-1', 'BS-57', 'B-21', & 'PA' **Response: It's the contractor's responsibility to determine the manufacture brand prior to ordering devices.**
- The VRF AHU and Condensing Unit Schedules on MH601 both reference R410a Refrigerant. Current EPA regulations state manufacturers can no longer legally sell R410a VRF equipment beyond 12/31/25 except in the replacement market for existing installations. Consequently, VRF manufacturers have transitioned to A2L refrigerants (R454b and R32) and the availability of R410a equipment is already an issue that will intensify as we move into the fall. Can we utilize "next-generation" VRF equipment with A2L refrigerants? **Response: This project has been designed with A2L refrigerants in mind. Yes, equipment with A2L equipment is acceptable.**
- The VRF AHU Schedule references several brand names including Huntair. Huntair is a member of the Nortek Air Solutions (NAS) group of custom manufacturers, which also includes the well-known brands Temtrol, Governair, and Ventrol. Additionally, Daikin manufactures high-quality Air Handling Units that is in line with the current basis-of-design equipment. We would like to have the option to utilize NAS and/or Daikin to give us the ability to provide you the best value and flexibility of lead times for this equipment. **Response: The equipment manufacturers mentioned above are acceptable.**
- Can Aura have Southwest Hazard Control test existing materials (insulation, drywall, etc for asbestos) prior to awarded general contractor selection. If not, what allowances are given for additional costs that are unknown at his time. Would these costs fall under a Change Order? **Response: Act Environmental conducted a pre construction environmental hazard inspection please reference [environmental testing/hazardous materials assessment report](#)**

- Will M3 provide more detailed mechanical DX Piping layout drawings not shown completed on plans for routing? None are detailed for the shop engineering building Drawing MH117. Existing piping is shown to be abandoned. Can it be demoed to use the same routing for the new DX AHUs. It's important to know for piping sizes. Due to the length of the DX refrigerant piping having long lengths, sizes may need to be upsized to meet manufacturers specifications can M3 provide clarification.

Response: M3 will not be providing an updated DX piping drawing for the Shop/Eng Bldg at this time. Please gather DX line lengths based on the condenser location and associated fancoils for systems on CU-10 and CU-11. DX Piping space allocation for these systems can be routed as suggested above. All other DX piping general routing is shown on plans.
- On MH103 it shows AHU-22 and on MH601 equipment schedule shows AHU-22 but there are no sectional drawings or 3D View drawings. Should they be in the design? **Response: AHU-22 is a suspended horizontal fancoil. Sections & 3D views were only provided for custom Air Handling Units. AHU-22 (fancoil) to be installed per detail 12/MH501.**
- The mechanical schedule on MH601 is designed around CARRIER VRF equipment. Carrier Outdoor VRF unit selection is not manufactured in the USA . I have attached a waiver from Carrier, as federal law allows it "Under the provision of 49 U.S.C 5323(j)(2). Would AURA accept the waiver for the Carrier VRF System? **Response; We are aware that the product in our design does not meet the BABA requirements, as none of these items are produced in the US. A waiver from the NSF will be required (and the process has been initiated already). The waiver Carrier provided is different from the waiver required from the NSF.**
- The new SES is shown to replace the existing. There is a not showing "(N) (6) PARALLEL SETS: (4) #500 KCMIL, 4" C EACH SET". Are there enough EXISTING conduits installed between this TEP transformer and the location of the new SES? Or will we have to sawcut, dig and install new raceway? **Response: Assume that there are sufficient conduits for the bid. If once the project begins the contractor determines there are not sufficient conduits, a change order would be allowed.**

