

## Laboratory Renovation- CCIW

### Questions and Answers:

Q1) Is it possible to schedule an additional Site Visit with a specific visit to the A&L Bldg. Service Corridors 4 --> 7?

**A1) No additional site visit will be scheduled.**

Q2) Electrical Drawing E0.01 – Lighting Fixture Schedule – There are no manufacturers or part numbers included in this chart. Is this an open specification or will this information be provided?

**A2) Manufacturer/model information for light fixture will not be provided. All light fixtures must meet all requirements in Contract Documents, including Lighting Fixture Schedule and Specifications 26 50 00, 26 52 00, and 26 53 00.**

Q3) What is the procedure for Distribution Panels that are to be removed? Are these the property of CCIW or the Contractor?

**A3) Coordinate all service shutdown with Departmental Representative. EC will retain the old panels and breakers.**

Q4) Who is the base building contractor for BAS system, do we will have to use base building contractor for Automation?

**A4) Delta Controls are the BAS Contractors. The Contractor for this project may use any automation system provided that the automation system can provide seamless integration with the existing system and meets the requirements in the Specifications.**

Q5) Need the material specification for Reverse Osmosis piping system?

**A5) Please see Addendum 001.**

Q6) Can we use Sch. 40 pipe for compressed air and natural gas piping if code permits, instead of Sch. 80 steel pipe?

**A6) Piping materials to be provided in accordance with project specifications.**

Q7) What is the max. operating pressure for the compressed air?

**A7) Compressed air in lab Hydraulics Wing laboratory H158 is 20 psi. Compressed air in A&L work area is 25 psi.**

Q8) Indicate on the pump schedule drawing M7.02 pumps P-33, P-34 & P-35 that are noted in the specification section 23 21 23, item 2.3.

**A8) Pumps P-33, P-34, and P-35 noted in specification section 23 21 23, item 2.3 refer to pumps P-PHC1, P-HC1, and P-CC1 respectively, as indicated on the Pump Schedule shown on drawing M7.02**

Q9) Review and confirm the tagging (ID) of the Humidifier heat exchangers. The plan views and schedules appear to be contradictory and confusing for HX-3 and HX-4 on drawing M2.21.

**A9) Humidifier heat exchanger equipment tags and corresponding AHUs are correctly stated in the schedule shown on drawing M7.02.**

Q10) Provide a list of the prequalified companies for the refurbishing of AHU-1 as noted in the specifications section 23 73 10, item 1.7.1.

**A10) Please see Addendum 001**

Q11) Provide "Custom Indoor Air Handling Units Schedule" as noted in the specifications section 23 73 23, Part 3 .11.

**A11) Schedule for air handling units is shown on drawing M7.01**

Q12) Have the drawings reflect all work related to AHU-6FE-A&B as noted in the specifications section 23 73 23, item 2.7 .11.

**A12) Work related to AHU-6FE-A&B was addressed in Addendum**

Q13) Review and confirm pump Tag (ID) for P-28 shown on drawing M2.21 at Jy/21. Drawing M7.02 states "Reserved" for this pump. Show the location on the plan view of pump P-HR3.

**A13) The pump shown on plan drawing M2.21 at Jy/21 should be tagged as P-HR3.**

Q14) Provide specification for the two water softeners shown on drawing M2.21.

**A14) Specification for water softeners were added to section 23 25 00 in Addendum.**

Q15) Provide the pipe sizes for all the new piping required on drawing M2.21. Also indicate the pipe sizes for the CTE.

**A15) Please see Addendum 001**

Q16) Provide the tag for heat exchanger shown on drawing M2.21 at Jy/21. If not on equipment schedule provide all details etc.

**A16) Please see Addendum 001**