



Facility Commissioning Group

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Resolution Tracking Form – 10

(Date)

1-2 RF-2 has a two-groove motor sheave, and a single groove fan sheave.

(Date) (Fan supplier) will supply a new two-groove fan sheave, or a letter stating that the current sheave arrangement is acceptable.

3-6 LEF-1 will not develop sufficient duct static pressure to operate the lab exhaust systems. (Mechanical Contractor) is checking ductwork and resealing as necessary. (TAB CONTRACTOR) is continuing to investigate.

(Date) (TAB CONTRACTOR) has informed FCG that LEF-1 now performs as designed, with the exception of Room 158A. See item 6-2.

4-3 AHU-1 operates at approximately 73% minimum outside air. (CONTROL CONTRACTOR) has a software point that shuts down the AHU if the Min. OA damper closes but no hard-wired safety switch is specified in the sequence of operation. Normally one is not required unless the unit is 100% OA, however, due to the high percentage of outside air for this AHU, it may be advisable to install one.

(Date) (Design Engineer) has issued a change order.

6-1 Condensation blow-over has been reported at the cooling coil section of AHU-1. (TAB CONTRACTOR) will provide a velocity profile of the coil as part of the FPT's.

(Date) (TAB CONTRACTOR) has a velocity profile at the coil face. This will be forwarded as soon as it is received by FCG. A few readings were near 600 FPM, and were distributed in a random fashion.

(Date) FCG discussed this issue with (Design Engineer). They will investigate this and other issues related to AHU-1.

6-2 Functional Performance Testing of the VAV and lab systems has revealed some critical performance problems. See the separate summary of those tests.

(Date) FCG will meet, on site, with a representative from (Design Engineer) on (Date) to investigate these issues.

(Date) FCG discussed this issue with (Design Engineer). They will investigate this and other issues related to AHU-1.

6-3 VAV-166-1 was tested and found to have no airflow.

(Date) (TAB CONTRACTOR) will investigate the problem on their next site visit.

6-4 VAV-200-1 was tested and found to have no airflow.

(Date) (TAB CONTRACTOR) will investigate the problem on their next site visit.

6-7 Pneumatic switches for the table exhausts in Room 343 and Room 348 should label in similar manner to the switch in Room 301 (Phase-1).

(Date) (CONTROL CONTRACTOR) will label the switches.

9-1 LEF-1 is incorrectly tagged as “LEF-4”.

(Date) No update.

9-2 LEF-1 appears to be factory wired for 460 volts. The fan nameplate is marked 460 volts and the motor is marked 230/460 volts. The building electrical service is 208 volts.

(Date) (Fan Supplier) has contacted (Electrical Contractor) to arrange rewiring the motor.

9-3 LEF-2 appears to be factory wired for 460 volts. The fan nameplate is marked 460 volts and the motor is marked 230/460 volts. The building electrical service is 208 volts.

(Date) (Fan Supplier) has contacted (Electrical Contractor) to arrange rewiring the motor.

9-4 The existing hood served by LEF-1 had a hood mounted switch, allowing the user to turn the hood on or off. Retaining this feature will require a new switch since the voltage is different for the new exhaust fan. Deleting this feature may be a better solution, since turning the fan off would make that lab room positive pressure with respect to adjacent rooms.

(Date) (Design Engineer) has confirmed that a switch should not be installed at the hood.

End of List