



# Facility Commissioning Group

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## Resolution Tracking Form – 10

(Date)

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.*

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.*
- 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.*
- 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.*
- 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.*

**End of List**