AIR INTRODUCTION & REGULATION
90710 HUNTLEY COURT, COBURG, OR 97408
PHONE (541) 484-1928 | FAX (541) 343-6704

LCC Ventilation Testing
Deficiencies and Project Notes:

Student Services Building # 1:

1. **TU-5**: Controls not communicating.
2. **EF-1:** Serves Men's Rm. No. 117, Women's Rm. 119 and Janitor Rm. 118. Design is 810 CFM, actual airflow achieved is 230 CFM.
3. **EF-3:** Serves Men's Rm. No. 211. Design is 400 CFM, actual airflow achieved is 250 CFM.

Once TU-5 is operating correctly we will be 100% complete. We suggest EF-1 and EF-3 fan belts be verified and duct inspected for lint and debris.

Administration Building # 3:

1. **Min OSA:** We need the required minimum OSA. Will 25% of original design CFM be sufficient?
2. **MZ-5:** We noted zone no. 1 cooling control zone damper does not fully close when stat is thrown to heat. Zone no. 1 had an access plate to verify the damper position. The other zones do not have any access. Suggest all zones be temperature tested to determine bypass leakage.
3. The majority of the zones supply outlets are light troffers that do not have any balancing dampers. The adjusted CFM and zone manual balancing damper position is as follows.

Zone No.	Design CFM	Actual CFM	Damper % Open
1	5,950	5,665 (94%)	100
3	1,000	785 (79%)	80
6	1700	1,565 (92%)	40
7	3,000	2,510 (84%)	50
8	600	630 (105%	70
9	2,520	1070 (42%)	10
10	2,000	945 (47%	20
11	2,000	1805 (86%)	20
1B	700	530 (76%)	20

Adjusting any of the zone dampers will make a big change on the other zones. Essentially, requiring a complete system balance.

4. **EF-53 and EF-54**: Not operating. Electrical wiring to fans has been cut.

MATH & Science Building # 16:

1. **Min OSA:** We need required minimum OSA for MZ-8, AHU-1/1A, AHU-2.
2. **MZ-8** Zone no. 5 Rm. 100F Hall 3 diffusers have fire dampers closed.
3. **MZ-8** Zone no. 7 Rm. 100J Hall FSD closed.
4. **MZ-8** Zone no. 7 Rm. 100F FSD closed.
5. **MZ-8** Zone no. 1 Rm. mechanical FSD closed.
6. **MZ-8** Zone no. 7 Rm. 100 E Hall 2 FSD closed.
7. **TU-150** Fan motor not operating.
8. **TU-154** Fan motor not operating.
9. **TU-155** Fan motor not operating.
10. **AHU-1/1A**: 1/3 of the FSD discharge duct serving 2nd Floor has failed closed.

11. **EF-135**: Fan not running.
12. **EF-1** Belt broken
13. **EF-2** Belts extremely loose.
14. **TU-213** Fan not operating.
15. **TU-204** Rm. 100J FSD closed.
16. **TU-206** Fan motor not running.
17. **TU-218** Rm. 2,000 Hall FSD closed.
18. **TU-223** Rm. 227 Hall FSD closed.
19. **TU-232** Rm. 200A Hall 3 FSDs closed.
20. **TU-211** Rm. 232 Entry FSDs closed.
21. **TU-215** Rm. 200A 4 FSDs closed.
22. **TU-217** Rm. 200A 3 FSDs closed.
23. **TU-216** Rm. 200A 3 FSDs closed.

Workforce Building # 19

1. **TU-202C** Fan motor not operating.
2. **TU-207C** Fan motor not operating.
3. **TU-204C** TU controls not controlling to correct CFM
4. **TU-213C** TU controls not controlling to correct CFM.
5. **TU-208** FSD closed
6. **TU-213** TU controller not responding.
7. **TU-206** TU not controlling to set point CFM.
8. **TU-209B** Fan not working.
9. **TU-203B** Controls not set up.
10. **TU-204B** Controls not set up.
11. **TU-201B** TU damper not working.
12. **TU-220B** TU not controlling.
13. **TU-201C** No control over TU box..
14. **TU-104A** FSD closed preventing airflow to opening.
15. **TU-105A** Fan motor not operating.
16. **TU-109A** Fan motor not operating.
17. **TU-113A** Fan motor not operating.
18. **TU-112A** FSD primary air to TU-112A closed.
19. **TU-112A** FSD with supply to A114 is closed.
20. **TU-208A** FSD for primary air to TU-208A is closed.
21. **TU-209A** FSD for primary air to 209A is closed.
22. **TU-210A** Fan motor not running.
23. **TU-211A** Fan motor not operating.
24. **TU-217A** FSD for primary air to YU-209A is closed.
25. **TU-216A** Fan motor burnt up.
26. **TU-201C** Fan controller not working, damper does not move.
27. **TU-203C** Fan motor not operating.
28. **TU-208B** Controls not set up.
29. **TU-204B** Controls not set up.
30. **TU-201B** TU damper not working.
31. **TU-220B** TU not controlling.

AIR INTRODUCTION & REGULATION
90710 HUNTLEY COURT, COBURG, OR 97408
PHONE (541) 484-1928 | FAX (541) 343-6704

Health Technology Building # 4

1. Min OSA need required minimum OSA for AHU 4.1.
2. VAV 1-218 damper will not go 100% open when commanded.

Physical Education # 5

1. Need to test AHU-5.1, AHU-5.2, and AHU-5.3.
2. We have tested MZ-5.12, MZ-25, HV-5-6, HV-7, HV-8, & HV-9.
3. Toilet Rm. 113 design CFM is 350 actual is 105.
4. Toilet Rm. 113B design CFM is 825 actual is 150.
5. Toilet Rm. 108 design CFM is 400 actual is 90.

Performing Arts # 6

1. Need design minimum OSA for AHU-1, MZ-22, MZ-23, HV-12, and HV-13.
2. AHU-1 testing is complete.
3. MZ-22 testing is complete.
4. MZ-22 zone no.6 outlet is storage room 1151 id disconnected.
5. MZ-23 needs to be tested.
6. HV-12 & HV-13 needs to be tested.

Auto Diesel # 9

1. Need minimum OSA requirements for HV-1 & HV-2.
2. HV-1 & HV-2 need to be tested.

Manufacturing # 12

1. Need minimum OSA requirements for AHU-1 and HV-5.
2. This building has not been tested.

Forum # 17

1. Need design min OSA requirements for MZ-9.