

Summary and Overall Findings

The purpose of the balance was to balance and evaluate the HVAC systems to address complaints of a foul odor.

The primary issue that was discovered is that the pizza oven fan is being left on overnight. This will cause the building to be negative and potentially pulling in odor from the drains. Operations needs to ensure this fan is turned OFF at the end of the day. The RTU fans were also programmed on the thermostats for Fan Auto which would cause the building to go negative from time to time during the day. The thermostats were programmed and need to remain in Fan ON while the restaurant is occupied.

The equipment balance was fine tuned for improved overall performance. See recommendations on the next page for more insight and further improvements for building performance. The section below also provides more detail into the findings and steps that were taken.

Technical Summary

RTU-1 was found to be supplying more airflow than recommended. Both a fan speed adjustment and an outside air damper adjustment were made to correct the total airflow. The final filters were left in the unit but are due for replacement.

RTU-2 was found to be outputting an appropriate amount of supply airflow. The final filters were removed for testing due to the buildup of debris, replacement filters recommended. An outside air adjustment was made to match the original unit design airflow.

RTU-3 was found to be supplying more airflow than recommended. The motor pulley was adjusted to reduce fan speed. The outside air is not adjustable on this unit and was read out "as-is". Final filter replacement recommended.

RTU-4 was found to be outputting an appropriate amount of supply airflow. The final filters were left in for testing but are due for replacement. The outside air is not adjustable on this unit and was read out "as-is".

The restroom exhaust fans were both found to be dirty and would benefit from cleaning. Since there is no supply air in the restrooms, the amount of airflow they are exhausting is acceptable. They are otherwise functioning as intended. The oven exhaust fan is also functioning as intended and no changes to the fan were required. The only recommendation is to interlock the oven exhaust fan with the oven itself, to prevent it from being left on overnight.