

SUMMARY



Project Summary

The summary below provides a quick understanding of our scope of work and general testing procedures. Enclosed in the report are further details about your building performance including recommendations, asset data, and pictures.

RTU's (Roof Top Units) w/ Diffusers

Each of the RTU's supply and return diffuser were measured at their terminal devices or via traverse to establish a total flow for that unit. Each RTU was adjusted to within tolerance of the engineer's design flow. Each outlet was then adjusted to within tolerance of the design flow. Outside air was measured by reading the intake air opening with a velocity grid and multiplying by the free area. The outside air damper was adjusted until the airflow was within the design requirements. Any equipment that fell outside of that tolerance is noted throughout the report.

Energy Recovery Ventilator (ERV)

The supply of the ERV was measured either by traverse or reading the inlet of the outdoor air hood. The fan speed was then adjusted until airflow was within design tolerance. Each outlet was then adjusted to within tolerance of the design flow. The exhaust side was measured by either a traverse or by reading the individual outlets. Total flow was adjusted until airflow was within design tolerance and then each inlet was balanced. Any equipment that fell outside of that tolerance is noted throughout the report.

The RTU formula for total supply flow equates to:

$$\text{Supply Air RTU} = \text{Return Air RTU} + \text{Outdoor Air ERV} + \text{Outdoor Air RTU}$$

Ceiling Exhaust Fans

The ceiling exhaust fans were measured using a flow hood. If speed adjustment was provided, the fan speed was adjusted to within design tolerance. Any equipment that fell outside of this tolerance is noted throughout the report.

Final Building Tests

After completing the test and balance the final building pressure was measured. It was confirmed that the building pressure fell within acceptable tolerances of +0.009" w.c. to +0.017" w.c. and that the pressure measurement coincides with the actual and design net airflow. Any deviations from these standards are noted throughout the report.