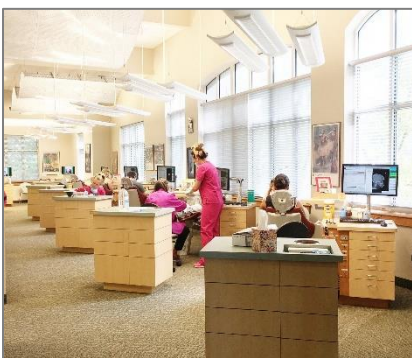


ABOUT

Why: After recent health concerns surrounding the COVID-19 pandemic, this facility wanted to ensure their systems were operational and safe to supplement their re-opening health measures. This airflow survey was conducted to confirm the facility's HVAC systems were providing proper ventilation, and to identify any performance deficiencies for later resolution.

Industry: Healthcare

Location: Oregon



CHALLENGES

While executing the scope of work on this facility we ran into obstacles ranging from lack of identified system standards, to outdated systems drawings and unincorporated control points.

- 1) No recognized ASHRAE standard for this type of facility.
- 2) Manual overrides to the system were required to test outside air dampers due to absent setpoints in controls.
- 3) Original HVAC systems drawings were unavailable.
- 4) Areas of improperly functioning equipment.

APPROACH

Our approach in this project was to understand the facility's current operations, establish testing standards and controls, and identify which areas were underperforming. This required us to work with the controls vendor and establish setpoints for OSA (outside air) dampers that would fulfill testing requirements despite the lack of any nationally recognized standard for this facility type. Further, we undertook deeper investigations into the original mechanical drawings and supply air sources to correctly identify which zones were served by which system.

VALUE

Safety assurance for the office staff and customers • Actionable items for facility optimization and improvements