

Indian Hills Middle School
6845 Drake Rd, Cincinnati, OH 45243

TAB Report Summary

NationalTAB Int.

Air Balance

(4) Variable volume AHUs were balanced by first calibrating each VAV in max cooling. Once VAVs were calibrated, all were driven to max cooling CFM via TCC. Fan speeds at the AHUs were then increased gradually until all VAVs were satisfied on flow set point. This is where the 2/3 pressure setpoint is recorded and set. Once complete, final performance data is obtained and reported before the AHU is released to operate in automatic conditions.

Exhaust fans were balanced by summing each total via Hood readings and setting each fan speed accordingly either at the unit potentiometer or with TCC. Kitchen MUA verified through intake reading.

Water Balance

Existing pumps were not part of scope. After all VAV and AHU control valves (in the middle school scope) were commanded open, the pumps were visited by TAB to verify; All shutoff-valves at pump and header are 100% open, there is no bypass/ no backflow through backup pump, proper motor rotation, and VFDs were at 60hz. Flow was then recorded at each respective coil listed below in the report. Control valves and pumps were then released to operate in automatic conditions.

The following was recorded for TCC pump 2/3 setpoint:

Hot Water System 12.8 PSI

Chilled Water System 13.5 PSI