

### **Kura Edison-Revive TAB Summary**

Below is a summary of the initial findings and further recommendations/changes made for the Kura sushi in Edison NJ.

Initially the overall building pressure was found at 0.004" which is ideal, after talking with the Store manager, the main complaint is how cold it would get in the dining room and stay relatively warm in the kitchen. After initial evaluation of the RTU we had found that the airflow is below the desired 350-400CFM/Ton range, but the overall cause of the cold dining room was the space sensor had not been properly programmed in the thermostat causing the thermostat to read the office temperature and not the true dining room temperature which led to overcooling. The RTU is also wired with Y1/Y2 cooling stages jumped together which activates full cooling and does not allow for proper stages of cooling/dehumidification. The DOAS was found to be right at the desired design CFM level and further testing of the unit showed that cooling was locked out on alarm explaining the warm temperatures in the kitchen.

The restroom exhaust fans (ceiling) are all underperforming. There is likely some form of restriction in the ductwork. Fan charts show they are capable of 120-150CFM, all are less than 50CFM currently.

There is some minor smoke capture loss from the fryer hood indicated by the stains on the ceiling tiles. Airflow testing showed that CFM is below desired levels and that the Hood grease filters are clogged.

#### Further Recommendations:

- 1) Fix cooling alarm on the DOAS to restore Kitchen cooling.
- 2) Clean/replace DOAS intake/ final filters
- 3) Rewire RTU terminal strip for proper staging of cooling.
- 4) Replace RTU Motor pulley and increase fan speed by 10%, motor pulley was rusted/seized and could not be adjusted by Nti. This will get unit back into 350-400CFM/ton range
- 5) Replace Fryer hood Grease exhaust filters.
- 6) Find/fix restrictions with the restroom exhaust fans
- 7) Repair KEF-1 Accessories

See Section below for clarification of all Recommendations.