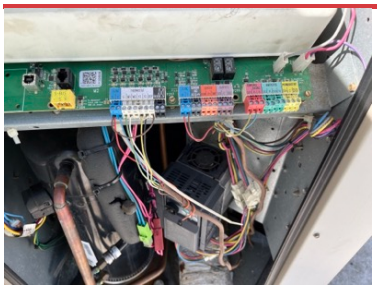
ROOFTOP

ROOFTOP

RTU 1 - KITCHEN

Grease discharge is causing maintenance issue for RTU & will degrade life of unit. Recommend installing a galvanized discharge duct on fan. Route 18" vertical before directing 45 degree on low side & go at least 12" to 18" on short side of 45"

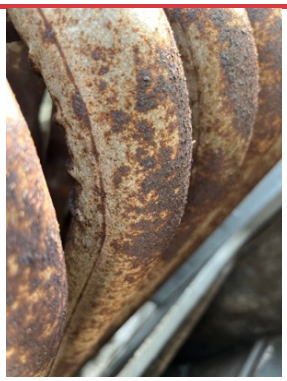


RTU 1 CONTROLS WIRING

OCP jumper installed. Y1 & Y2 jumpered.

RTU 1 SUPPLY DROP

The inside of the supply ducts in both systems are fairly clean.



RTU 1 HEAT EXCHANGER TUBES RUSTY

RTU 1 HEAT EXCHANGER TUBES

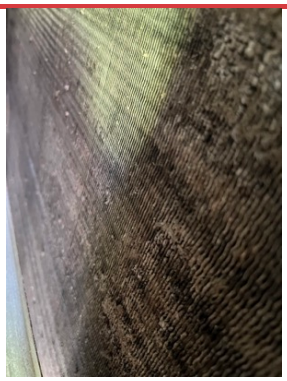
RTU 1 RETURN

Inside Mixed air plenum prior to Dx Coil. Make sure return duct & curb adapter are sealed properly for no leakage

RTU 1 BLOWER

RTU 1 DX COIL

Blower side



RTU 1 DX COIL

Filter side

At one time the unit did not have proper size filters installed in unit causing debri to build up on exposed coil. Current filters are adequate size & are covering the coil completely.

RTU 1 FINAL FILTERS

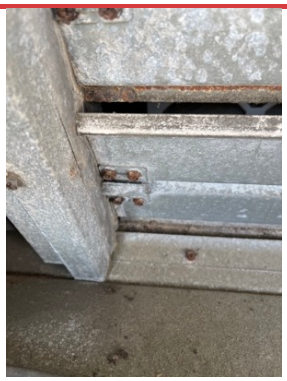
RTU 1 DOOR INTERFERENCE

Blower compartment cannot fully be opened due to kitchen exhaust fan location.

Also, ideal to always paint gas piping on roof for future projects. Existing piping have to be sanded down & then primed & then painted. There is just about 5 or 6 ft for each unit that is not painted at this location.

RTU 1 ECONOMIZER NOT FUNCTIONAL

Motor not moving, arm damaged where it attaches to damper.

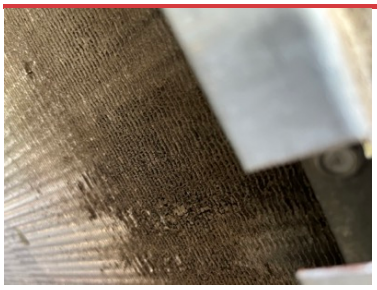


RTU 1 DAMPER POSITION (Outside air damper)

Set manually to 3/4” by NTAB. Damper was previously closed.

RTU 2 - DINING

RTU 2 FINAL FILTERS



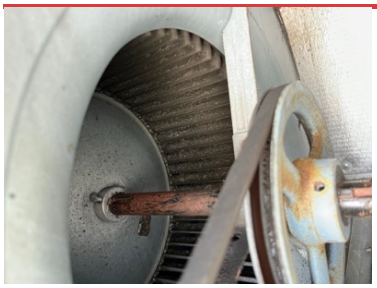
RTU 2 DX COIL

Filter side

Similar to RTU1. Proper filters are installed now.

RTU 2 DX COIL

Blower side



RTU 2 BLOWER

RTU 2 RETURN

Ensure return duct & curb adapters are sealed tightly to prevent leakage

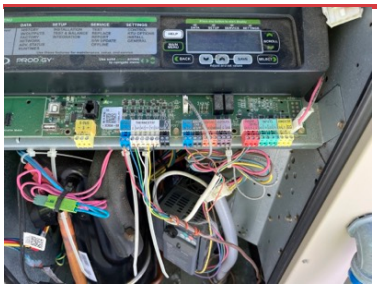
RTU 2 HEAT EXCHANGER TUBES

Return duct is not sealed to adapter, need to seal better to units & ensure adapter to unit is also sealed properly.

RTU 2 CURB ADAPTER (DISCHARGE SIDE)

Typical of both RTUs.

Both units supply ductwork is not sealed to curb adapter causing leakage directly at unit. This will cause lower airflow readings down in the space.



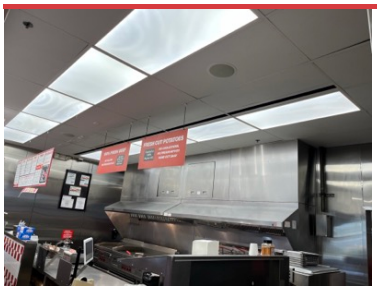
RTU 2 CONTROLS WIRING

OCP jumper installed.

SF 1

Hood Make Up Air

Untempered Make up air unit.



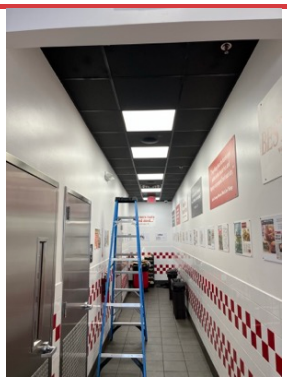
KITCHEN HOODS

HOOD LEFT

HOOD RIGHT

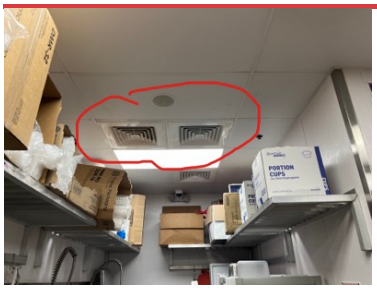
Hood capture is actually pretty good. It does capture all the affluent. As instructed by other team members, reducing size of standoff mounted on back of equipment to allow equipment to be pushed back further will help a lot on any radiant heat discharge.

DINING AREA



RESTROOM CORRIDOR

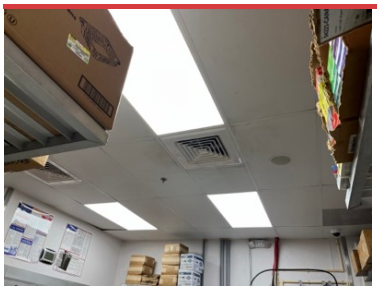
KITCHEN



ATYPICAL RETURN GRILLS

These grills are typically used for supply air

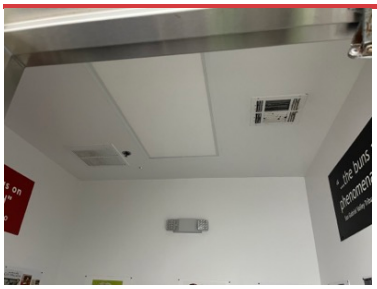
No impact on TAB or comfort. Just for FYI so no confusion on location of return grills



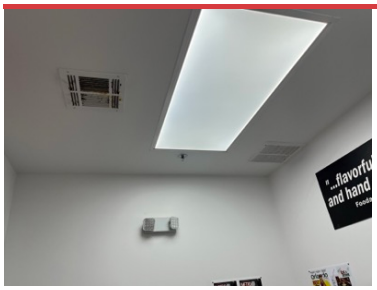
BOH DIFFUSERS

THERMOSTATS

NTAB changed fan function to “Fan ON” to maintain building pressure. Previously set to “Auto”



WOMEN’S RR



MEN’S RR