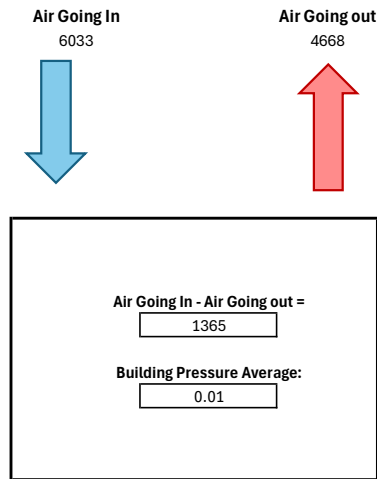


## Summary

<b>What was found initially:</b>	Manager states building is mostly comfortable. The humidity does get high during the summers but due to one of the RTU's being recently replaced the dining area has stayed comfortable, building pressure was negative. Units were not set for constant air flow.
<b>Changes made:</b>	EF-1 was able to be slowed down, EF-2 and EF-3 were able to speed up but will need a pulley change in order to reach target airflow. RTU's parameter 154 as changed to "1" for continuous fan operation during occupied hours. OA were adjusted on each unit to meet target.
<b>Air balancing &amp; performance related issues that need to be resolved:</b>	Humidity sensor wiring for RTU-2 is not wired per Lennox specifications and could be resulting in a faulty reading. This should be wired correctly. The restroom exhaust fan is low on flow which may partially be due to debris in the duct. Recommend cleaning the duct.

## Air Balance Schedule

AIR GOING IN (+)	Target	Initial	Final
RTU-1 OA	1500	587	1504
RTU-2 OA	1750	1041	1690
RTU-3 OA	1500	541	1485
RTU-4 OA	0		
RTU-5 OA	0		
RTU-6 OA	0		
MUA-1	1238	1354	1354
MUA-2	0		
MUA-3	0		
AIR GOING OUT (-)			
EF-1	1125	1667	1217
EF-2	1350	570	732
EF-3	1575	500	938
EF-4	825	747	828
EF-5 Dishwasher	600	657	657
EF-6	0		
EF-7	0		
RR Exhaust (Total)	600	296	296
NET AIRFLOW (TARGET +200 CFM)	-87	-914	1365



## Target Airflow Calculations

Unit	Tonnage	Target OA	OA %
RTU-1	15	1500	25%
RTU-2	17.5	1750	25%
RTU-3	15	1500	25%
RTU-4		0	N/A
RTU-5		0	N/A
RTU-6		0	N/A

Hoods	Served by	Served by	Type	Length (in)	Width (in)	MUA Type	Equipment 1	Equipment 2	Equipment 3	CFM/ft1	Target Exhaust	Target MUA
Hood 1	EF-3		Type I	84	36		Fryers			225	1575	
Hood 2	EF-2	MUA-1	Type I	72	57	Front Face	Griddle - Flat Top			225	1350	675
Hood 3	EF-1	MUA-1	Type I	90	57	Front Face	Ovens			150	1125	563
Hood 4	EF-4		Type I	66	51		Ovens			150	825	
Hood 5										NOT FOUND	0	0

Restrooms	# of Toilets/Urinals	Target CFM
RR Exhaust (Total)	8	600