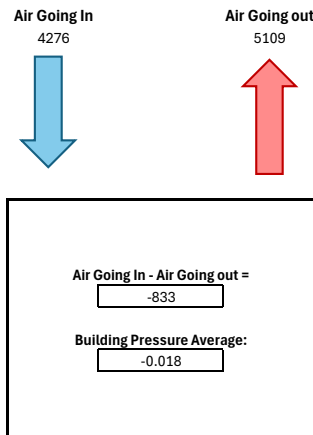


Summary

What was found initially:	Initially found building negative with AVG: -0.0203". All fans are functional. Outside air for RTU#1 was found high as manual damper was mostly open, while RTU#3 economizer was fully shut on the prody board. Hoods were found to be functional, however, many of the filters do not cover the gaps in the hood.
Changes made:	RTUs OA balanced at 20% of design airflow
Air balancing & performance related issues that need to be resolved:	EF#2 and EF#3 sheaves are seized. Unable to reduce airflow within design tolerance, sheaves should be replaced and balanced. EF#4 is at minimum setting, however, it is at 129% of design airflow. Sheave needs to be replaced with appropriate size to be balanced within design airflow. MUA has low airflow, blower wheel needs to be cleaned in order to increase airflow within design tolerance.

Air Balance Schedule

AIR GOING IN (+)	Target	Initial	Final
RTU-1 OA	1100	2771	1233
RTU-2 OA	1100	845	1247
RTU-3 OA	1200	0	1445
RTU-4 OA	0		
RTU-5 OA	0		
RTU-6 OA	0		
MUA-1	1166	351	351
MUA-2	0		
MUA-3	0		
AIR GOING OUT (-)			
EF-1	1050	907	907
EF-2	700	1298	1298
EF-3	581	789	789
EF-4	638	829	829
EF-5	0		
EF-6	800	814	814
EF-7	0		
RR Exhaust (Total)	600	472	472
NET AIRFLOW (TARGET +200 CFM)	197	-1142	-833



Target Airflow Calculations

Unit	Tonnage	Target OA	OA %
RTU-1	15	1200	20%
RTU-2	15	1200	20%
RTU-3	17.5	1400	20%
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-1	MUA-1	Type I	56	70	Short Cycle	riddle - Flat Top			225	1050	525
Hood 2	EF-2	MUA-1	Type I	56	90	Short Cycle	Ovens			150	700	350
Hood 3	EF-3	MUA-1	Type I	31	84	Short Cycle	Fryers			225	581	291
Hood 4	EF-4		Type I	51	66		Ovens			150	638	#N/A
Hood 5										NOT FOUND	0	#N/A

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