

AIR BALANCE SCHEDULE

UNIT	AREA SERVED	HVAC SUPPLY		HVAC RETURN		HVAC OUTDOOR		OA %		HOOD MAKE-UP		HOOD EXHAUST		GENERAL EXH.	
		DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
RTU-1	GENERAL SALES	5040	1587	4340	1587	700	0	13.9%	0.0%						
RTU-2	GENERAL SALES	5040	2419	4340	1967	700	452	13.9%	18.7%						
RTU-3	EMPLOYEE RM	4200	1	3500	1	700	0	16.7%	0.0%						
RTU-4	PHARMACY	1680	964	1680	964	0	0	0.0%	0.0%						
EF-1	ONE HR PHOTO													700	373
EF-2	TOILET													500	338
EF-3	EMPLOYEE RM													350	0
TOTALS		15960	4971	13860	4519	2100	452			0	0	0	0	1550	711

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	2100	452
TOTAL EXHAUST	1550	711
NET AIRFLOW	550	-259

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H2O)
FRONT	0.0074
SIDE	
REAR	0.006
AVERAGE	0.0067

FINAL CHECKS

ACTUAL NET AIRFLOW COINCIDES WITH DESIGN:	✗
MEASURED PRESSURES COINCIDES WITH ACTUAL NET AIRFLOW:	✗
DESIGN PRESSURIZATION IS >10% ((OA - EXH) / EXH > 10%)	✓
ACTUAL PRESSURIZATION IS >10% ((OA - EXH) / EXH > 10%)	✗

NOTES:

RTU1: Economizer not functional & fan VFD not communicating with controller. RTU2: Motor sheave seems unstable, belt becomes loose around 54Hz, cannot speed up further. RTU3 is not functional. RTU4: Low cfm, no VFD single speed. EF1 & EF3 very dirty and clogged with debris, low cfm. EF2 not functional, speed controller not hooked up, no dial to turn.