

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	SALES	5040		4284	-608	756	608	15.0%	#DIV/0!						
RTU-2	RX		4006	0	3297		709	#DIV/0!	17.7%						
RTU-3	SALES	3570	3686	3034	3131	536	555	15.0%	15.1%						
RTU-4	PHOTO	1680	1785	1428	1584	252	201	15.0%	11.3%						
EF-1	UNKNOWN														
EF-2	UNKNOWN														
EF-3	UNKNOWN														
TOTALS		10290	9477	8746	7404	1544	2073			0	0	0	0	0	0

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	1544	2073
TOTAL EXHAUST	0	0
NET AIRFLOW	1544	2073

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H2O)
FRONT	0.018
SIDE	
REAR	0.025
AVERAGE	0.0215

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 major issues: all sensors either fail/have fallen into duct. Written on the return hood that the unit overcools/overheats when turned on due to small return duct. Circuit 2 does not work. Economizer does not function, dampers locked at roughly ~20%. Filters dirty. OA hood plate partially destroyed. RTU2's smoke alarm cable interferes with economizer dampers, manually moved to set OA.