

**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	FOH	3400	3488	2700	2746	700	742	20.6%	21.3%						
RTU-2	FOOD SERVICE	4000	3971	3200	3144	800	827	20.0%	20.8%						
RTU-3	RETAIL	2000	1959	1650	1602	350	357	17.5%	18.2%						
EF-1	RESTROOM													250	287
EF-2	FOOD SERVICE													1300	1302
EF-3	WATER STORAGE													300	375
<b>TOTALS</b>		9400	9418	7550	7492	1850	1926			0	0	0	0	1850	1964

**NET BUILDING AIRFLOW CALCULATION**

TOTALS	DESIGN	ACTUAL
TOTAL OA	1850	1926
TOTAL EXHAUST	1850	1964
<b>NET AIRFLOW</b>	0	-38

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H2O)
FRONT	0.0049
SIDE	
REAR	0.0026
<b>AVERAGE</b>	<b>0.0038</b>

**FINAL CHECKS**

- ACTUAL NET AIRFLOW COINCIDES WITH DESIGN: ❌
- MEASURED PRESSURES COINCIDES WITH ACTUAL NET AIRFLOW: ❌
- PRESSURE FALLS WITHIN IMC TOLERANCE OF +/-0.02" W.C. ✔️

**NOTES:**

Note that EF3 serves a room that has no air transmission with the rest of the building. This explains why net building airflow and building pressure do not match. It would be more accurate to exclude EF3 from the net building airflow communication.