

INITIAL 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	KITCHEN	3400	2974	2720	2645	680	329	20.0%	11.1%						
RTU-2	KITCHEN	5200	4740	4160	4068	1040	672	20.0%	14.2%						
RTU-3	KITCHEN	5200	4670	4160	4080	1040	590	20.0%	12.6%						
RTU-4	KITCHEN	10000	9196	8000	8219	2000	977	20.0%	10.6%						
RTU-5	HOST AREA	1600	1391	1280	1391	320	0	20.0%	0.0%						
RTU-6	MAIN DINING	1200	1163	960	1163	240	0	20.0%	0.0%						
RTU-7	MAIN DINING	4000	3893	3200	3355	800	538	20.0%	13.8%						
RTU-8	PRIVATE DINING	1200	0	960	0	240	0	20.0%	0.0%						
RTU-9	PRIVATE DINING	2000	1867	1600	1867	400	0	20.0%	0.0%						
RTU-10	MAIN DINING	1200	879	960	879	240	0	20.0%	0.0%						
DOAS-1	UNKNOWN	NA	0	NA	0	NA	0	100.0%	0.0%						
DOAS-2	UNKNOWN	NA	0	NA	0	NA	0	100.0%	0.0%						
EF-1	HOOD-4											3200	3094		
EF-2	HOOD-3											2345	2059		
EF-3	HOOD-2											3000	2805		
EF-4	HOOD-5											1275	1060		
EF-5	RESTROOM													300	319
MUA-1	HOODS									NL	2158				
MUA-2	HOODS									NL	912				
TOTALS		35000	30773	28000	27667	7000	3106			NL	3070	9820	9018	300	319

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	NA	6176
TOTAL EXHAUST	NA	9337
NET AIRFLOW	NA	-3161

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H2O)
FRONT	-0.017
SIDE	-0.015
REAR	-0.013
AVERAGE	-0.015

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:

NO DESIGN AIR FLOW GIVEN FOR ANY EQUIPMENT. RTU SUPPLY BASED ON 400 CFM/TON. RTU OA 20% OF SUPPLY. EF DESIGN BASED ON TYPICAL CFM/FOOT OF HOOD BASED ON KITCHEN EQUIPMENT