



Flow Hood Air Inlet Test Report

DATE: 7/13/2016
PROJECT: A-Strong Stop Air Quality Check
PROJECT #: 109545
LOCATION: Lee's Summit, MO

Equipment ID: RTU-1 & RTU-2 Supply Area Served: See Below
 Equipment Location: Roof Technician: Jeremy Dains

AREA SERVICED	OUTLET			DESIGN	Prelim	FINAL	Notes
	NO.	TYPE	SIZE	AIRFLOW CFM (L/s)	AIRFLOW CFM (L/s)	AIRFLOW CFM (L/s)	
South Gym	1	SD	24" x 24"	NG	471	471	
South Gym	2	SD	24" x 24"	NG	325	325	
South Gym	3	SD	24" x 24"	NG	511	511	
South Gym	4	SD	24" x 24"	NG	338	338	
South Gym	5	SD	24" x 24"	NG	290	290	
South Gym	6	SD	24" x 24"	NG	310	310	
South Gym	7	SD	24" x 24"	NG	316	316	
South Gym	8	SD	24" x 24"	NG	396	396	
Office	9	SD	24" x 24"	NG	123	123	
Kitchen	10	SD	24" x 24"	NG	188	188	
North Gym	11	SD	24" x 24"	NG	263	263	
North Gym	12	SD	24" x 24"	NG	407	407	
North Gym	13	SD	24" x 24"	NG	457	457	
			Total	NG	4395	4395	
			Total Supply		4395 CFM		
		Total Measured Outside Air			1131 CFM		(*1)
		Required Outside Air (per ASHRAE Standard)			1029.6 CFM		

REMARKS *Surface area = 3964 sq.ft.*

Occupant Density is # of people (10)/1000 sq.ft. = 39.6 people.

(*1) Outdoor Air requirement is 26 cfm per person (1029.6 cfm).

Above formulas were generated from the *ASHRAE Standard for Ventilation for Acceptable Indoor Air Quality*.