



2150 Smithtown Ave., Suite 3, Ronkonkoma, NY 11779
T: 631.580.3191 • F: 631.580.3195 • W: envirohealth.org

October 1, 2020

Mr. Michael Falcone
Greenburgh Central School District
475 West Hartsdale Avenue
Hartsdale, NY 10530

Re: **Districtwide Ventilation Assessment**

Dear Mr. Falcone,

On September 28, 2020, Enviroscience Consultants, Inc. performed a limited ventilation assessment within the school buildings of the Greenburgh CSD. The purpose of this audit was to characterize the ventilation of functional spaces within each of the school buildings, in preparation for reopening school in October during the current COVID-19 pandemic. Our assessment is performed within approximately 20 percent of the classrooms within each building, as well as nurse's offices and cafeterias. We evaluate in our audits:

Unit ventilators open and free of obstructions;
Unit ventilators and HVAC systems delivering air at designed ventilation rates measured in cubic feet per minute (CFM);
Exhaust grills in doors or classroom walls unobstructed
Rooftop exhaust fans operational and functioning;
Fresh air dampers open.

The assessment indicates that Richard J. Bailey Elementary School overall has poor ventilation. The assessment also indicates that at Highview Elementary, Lee F. Jackson Elementary and Woodlands Junior/Senior High School, overall the ventilation is adequate and has air flow required by NYS Education Department Building Code, and follows the U.S. Environmental Protection Agency Indoor Air Quality in Schools Guideline, and the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Standard 62.1-2013. For assessments of air flow, sampling was performed using a hot wire anemometer. The hot wire anemometer measures air velocity and volume flow rate to determine the overall ventilation of the space. Results are obtained in real time. The building was assessed under normal, daytime operating conditions. Assessments of fresh air damper operation, when combined with appropriate levels of air volume, are deemed acceptable ventilation rates. Generally, classrooms should have 13 CFM (ages 5 to 8) and 15 CFM (ages 9+) per occupant, and offices should have 17 CFM per occupant (TABLE 6.2.2.1 Minimum Ventilation Rates in Breathing Zone, ASHRAE Standard 62.1-2013).

Insufficient air flow can contribute to health problems, absenteeism, and accelerated deterioration of building components and equipment, as well as an accumulation of indoor contaminants. To ensure proper air flow, vents should not be obstructed, air filters should be replaced regularly, and ducts should be cleared of debris and dirt. Enviroscience Consultants, Inc. made an assessment of each aspect in our audit.

There are a few areas of concern that should be corrected:

Highview Elementary:

-The Cafeteria has natural ventilation only, and no exhaust grilles.

- The Music Classroom has natural ventilation only, and no exhaust grilles.
- Room 12 floor exhaust grille is partially obstructed by a filing cabinet.

Lee F. Jackson Elementary:

- Room 206 univents (2 out of the 8) are obstructed by temporary shelving.

Richard J. Bailey Elementary:

- Some rooms have nonfunctional univents and some rooms have no univents. The building has no roof top exhaust fans.
- The Cafeteria has natural ventilation only, and no exhaust grilles. Windows are out of reach.
- Room 002 has natural ventilation only, and no exhaust grilles.
- The Art Room has natural ventilation only, and no exhaust grilles. Windows are out of reach.
- Room 103 has natural ventilation only, and no exhaust grilles.
- The Nurse's Office does not have enough natural ventilation to meet the required air flow rate of 17 CFM/per occupancy of 3.
- Room 213 exhaust flue is mostly sealed with plaster.
- Room 208 has natural ventilation only, and no exhaust grilles.
- Room 201 has natural ventilation only, and no exhaust grilles.

Woodlands Junior/Senior High School

- Building B overall had poor ventilation.
- The Nurse's Office has natural ventilation only, and no exhaust grilles.
- Room 209 exhaust grille partially obstructed by garbage can.
- Room 219 exhaust grille partially obstructed by garbage can.
- Room 235 does not have enough natural ventilation to meet the required air flow rate of 15 CFM/per occupancy of 11.
- Room 306 exhaust grille partially obstructed by miscellaneous items.
- Room 315 vent flow velocity did not meet the required air flow rate of 15 CFM/per occupancy of 16. Exhaust grille partially obstructed by garbage can.
- Room 316 vent flow velocity did not meet the required air flow rate of 15 CFM/per occupancy of 16. Exhaust grille partially obstructed by garbage can.

Reference the attached Ventilation Assessment Form for the findings identified in each of the District's buildings. These conditions should be corrected prior to opening in October, and remaining rooms should be assessed by District staff for the presence of similar conditions. Classroom doors should remain open in rooms where exhaust grilles are not present, as per NYSED Reopening Guidance – August 26, 2020.

If you should have any questions, please feel free to contact me.

Sincerely,



Glenn Neuschwender

Client: Greenburgh CSD	Date: September 28, 2020
------------------------	--------------------------

Project: Highview Elementary School	Job #: 20209
-------------------------------------	--------------

Auditors: Susan Richter & Glen Bornhoft

Are roof top exhaust fans present and operational? Yes	Are mechanical systems uncontrolled, BMS, or mixed? Uncontrolled
--	--

Date of last filter change? Summer 2020	What are current day/night time settings? Exhaust fans always on, set to medium
---	---

*Air Flow is calculated in Cubic Feet per Minute (CFM), to determine the Flow Velocity in feet per minute, multiply this figure by the Duct Cross Sectional Area. (CFM = FPM x Duct Cross Sectional Area)

Multiple registers have a cumulative effect on the total CFM of a given space.

This form is used to record general information about specific areas of the building; during the air ventilation assessment.

Room Number / Name	Anticipated # of Occupants	Ventilation Type	Area Opening (Square Feet)	Measured Flow Rate (CFM)*	Flow Rate Meets 15 CFM / occupancy rate	Vents unobstructed?	Flow velocities meet building codes?	Exhaust grilles unobstructed?	Fresh Air Dampers open?	Notes
Cafeteria	20	Natural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2 windows provide natural ventilation. No exhaust grilles observed.
Music Classroom	15	Natural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2 windows provide natural ventilation. No exhaust grilles observed.
Room 9	11	Natural	8.8	120	No	Yes	Yes	Yes	N/A	3 Windows provide natural ventilation (reading with windows closed).
			8.8	616	Yes	Yes	Yes	Yes	N/A	3 Windows provide natural ventilation (reading with 1 window open).
			8.8	663	Yes	Yes	Yes	Yes	N/A	3 Windows provide natural ventilation (reading with 2 windows open).
			8.8	783	Yes	Yes	Yes	Yes	N/A	3 Windows provide natural ventilation (reading with 3 windows open).
Old Nurse's Office	3	Natural	1.6	1289	Yes	Yes	Yes	Yes	N/A	No windows, exhaust grilles in ceiling and door, wall AC unit.
Room 18	11	Air Handler	0.6	1329	Yes	Yes	Yes	Yes	Yes	No openable windows but door to outside.
Room 12	11	Air Handler	1.6	882	Yes	Yes	Yes	No	Yes	Floor exhaust is partially obstructed by filing cabinet.
Room 5	11	Natural	8.8	106	No	N/A	Yes	Yes	N/A	3 Windows provide natural ventilation (reading with windows closed).
			8.8	751	Yes	N/A	Yes	Yes	N/A	3 Windows provide natural ventilation (reading with 1 window open).
			8.8	883	Yes	N/A	Yes	Yes	N/A	3 Windows provide natural ventilation (reading with 2 windows open).
			8.8	901	Yes	N/A	Yes	Yes	N/A	3 Windows provide natural ventilation (reading with 3 windows open).

Room Number / Name	Anticipated # of Occupants	Ventilation Type	Area Opening (Square Feet)	Measured Flow Rate (CFM)*	Flow Rate Meets 15 CFM / occupancy rate	Vents unobstructed?	Flow velocities meet building codes?	Exhaust grilles unobstructed?	Fresh Air Dampers open?	Notes
New Nurse's Office	3	Natural	8.8	788	Yes	N/A	Yes	Yes	N/A	3 Windows provide natural ventilation (reading with windows closed).
			8.8	1300	Yes	N/A	Yes	Yes	N/A	3 Windows provide natural ventilation (reading with 1 window open).
Room 2	10	Natural	8.8	0	No	N/A	Yes	Yes	N/A	2 Windows provide natural ventilation (reading with windows closed).
			8.8	292	Yes	N/A	Yes	Yes	N/A	2 Windows provide natural ventilation (reading with 1 window open).
			8.8	443	Yes	N/A	Yes	Yes	N/A	2 Windows provide natural ventilation (reading with 2 windows open).

Client: Greenburgh CSD

Date: September 29, 2020

Project: Lee F. Jackson Elementary School

Job #: 20209

Auditors: Glen Bornhoft & Drew Cheskin

Are roof top exhaust fans present and operational? Yes

Are mechanical systems uncontrolled, BMS, or mixed? - Uncontrolled

Date of last filter change? Summer 2020

What are current day/night time settings? On at beginning of morning shift, Off at end of night shift

*Air Flow is calculated in Cubic Feet per Minute (CFM), to determine the Flow Velocity in feet per minute, multiply this figure by the Duct Cross Sectional Area. (CFM = FPM x Duct Cross Sectional Area)

Multiple registers have a cumulative effect on the total CFM of a given space.

This form is used to record general information about specific areas of the building; during the air ventilation assessment.

Room Number / Name	Anticipated # of Occupants	Ventilation Type	Area Opening (Square Feet)	Measured Flow Rate (CFM)*	Flow Rate Meets 15 CFM / occupancy rate	Vents unobstructed?	Flow velocities meet building codes?	Exhaust grilles unobstructed?	Fresh Air Dampers open?	Notes
Nurses Office	3	Univent	0.6	531	Yes	Yes	Yes	Yes	Yes	Univent #1. Windows provide natural ventilation. Exhaust grille observed in bathroom
			0.6	406	Yes	Yes	Yes	Yes	Yes	Univent #2. Windows provide natural ventilation. Exhaust grille observed in bathroom
			0.5	321	Yes	Yes	Yes	Yes	Yes	Univent #3. Windows provide natural ventilation. Exhaust grille observed in bathroom
			0.6	406	Yes	Yes	Yes	Yes	Yes	Univent #4. Windows provide natural ventilation. Exhaust grille observed in bathroom
Cafeteria	20	Air Handler	1.6	1533	Yes	Yes	Yes	Yes	Yes	Univent #1.
			1.6	1677	Yes	Yes	Yes	Yes	Yes	Univent #2.
			1.6	3035	Yes	Yes	Yes	Yes	Yes	Univent #3.
			1.6	1078	Yes	Yes	Yes	Yes	Yes	Univent #4.
			7.7	7360	Yes	Yes	Yes	Yes	Yes	Univent #5.
			7.7	7667	Yes	Yes	Yes	Yes	Yes	Univent #6.
Room 1	10	Univent	0.6	656	Yes	Yes	Yes	Yes	Yes	Univent #1. 2 Windows provide natural ventilation. Exhaust grille observed in bathroom & closet
			0.6	672	Yes	Yes	Yes	Yes	Yes	Univent #2. 2 Windows provide natural ventilation. Exhaust grille observed in bathroom & closet

Room Number / Name	Anticipated # of Occupants	Ventilation Type	Area Opening (Square Feet)	Measured Flow Rate (CFM)*	Flow Rate Meets 15 CFM / occupancy rate	Vents unobstructed?	Flow velocities meet building codes?	Exhaust grilles unobstructed?	Fresh Air Dampers open?	Notes
Room 1	10	Univent	0.5	458	Yes	Yes	Yes	Yes	Yes	Univent #3. 2 Windows provide natural ventilation. Exhaust grille observed in bathroom & closet
			0.6	644	Yes	Yes	Yes	Yes	Yes	Univent #4. 2 Windows provide natural ventilation. Exhaust grille observed in bathroom & closet
			0.6	694	Yes	Yes	Yes	Yes	Yes	Univent #5. 2 Windows provide natural ventilation. Exhaust grille observed in bathroom & closet
			0.5	468	Yes	Yes	Yes	Yes	Yes	Univent #6. 2 Windows provide natural ventilation. Exhaust grille observed in bathroom & closet
Room 3	10	Univent	0.6	613	Yes	Yes	Yes	Yes	Yes	Univent #1. 2 Windows provide natural ventilation. Exhaust grille observed in bathroom & closet
			0.6	663	Yes	Yes	Yes	Yes	Yes	Univent #2. 2 Windows provide natural ventilation. Exhaust grille observed in bathroom & closet
			0.5	493	Yes	Yes	Yes	Yes	Yes	Univent #3. 2 Windows provide natural ventilation. Exhaust grille observed in bathroom & closet
			0.6	563	Yes	Yes	Yes	Yes	Yes	Univent #4. 2 Windows provide natural ventilation. Exhaust grille observed in bathroom & closet
			0.6	697	Yes	Yes	Yes	Yes	Yes	Univent #5. 2 Windows provide natural ventilation. Exhaust grille observed in bathroom & closet
			0.5	465	Yes	Yes	Yes	Yes	Yes	Univent #6. 2 Windows provide natural ventilation. Exhaust grille observed in bathroom & closet
Room 206	10	Univent	0.6	525	Yes	Yes	Yes	Yes	Yes	Univent #1. 2 Windows provide natural ventilation. Exhaust grille observed in bathroom
			0.5	339	Yes	Yes	Yes	Yes	Yes	Univent #2. 2 Windows provide natural ventilation. Exhaust grille observed in bathroom
			0.6	556	Yes	Yes	Yes	Yes	Yes	Univent #3. 2 Windows provide natural ventilation. Exhaust grille observed in bathroom
			0.6	563	Yes	Yes	Yes	Yes	Yes	Univent #4. 2 Windows provide natural ventilation. Exhaust grille observed in bathroom
			0.5	195	Yes	Yes	Yes	Yes	Yes	Univent #5. 2 Windows provide natural ventilation. Exhaust grille observed in bathroom
			0.6	494	Yes	Yes	Yes	Yes	Yes	Univent #6. 2 Windows provide natural ventilation. Exhaust grille observed in bathroom
			N/A	0	Yes	No	Yes	Yes	Yes	Univent #7. Obstructed by temporary shelves for teacher next to desk
			N/A	0	Yes	No	Yes	Yes	Yes	Univent #8. Obstructed by temporary shelves for teacher next to desk
Room 202	10	Univent	0.6	572	Yes	Yes	Yes	Yes	Yes	Univent #1. 2 Windows provide natural ventilation. Exhaust grille observed in bathroom

Room Number / Name	Anticipated # of Occupants	Ventilation Type	Area Opening (Square Feet)	Measured Flow Rate (CFM)*	Flow Rate Meets 15 CFM / occupancy rate	Vents unobstructed?	Flow velocities meet building codes?	Exhaust grilles unobstructed?	Fresh Air Dampers open?	Notes
Room 202	10	Univent	0.5	376	#REF!	Yes	Yes	Yes	Yes	Univent #2. 2 Windows provide natural ventilation. Exhaust grille observed in bathroom
			0.6	575	Yes	Yes	Yes	Yes	Yes	Univent #3. 2 Windows provide natural ventilation. Exhaust grille observed in bathroom
			0.6	525	Yes	Yes	Yes	Yes	Yes	Univent #4. 2 Windows provide natural ventilation. Exhaust grille observed in bathroom
			0.6	625	Yes	Yes	Yes	Yes	Yes	Univent #5. 2 Windows provide natural ventilation. Exhaust grille observed in bathroom
			0.5	215	Yes	Yes	Yes	Yes	Yes	Univent #6. 2 Windows provide natural ventilation. Exhaust grille observed in bathroom
			0.6	494	Yes	Yes	Yes	Yes	Yes	Univent #7. 2 Windows provide natural ventilation. Exhaust grille observed in bathroom
Room 104	10	Univent	0.6	281	Yes	Yes	Yes	Yes	Yes	Univent #1. 3 Windows provide natural ventilation. Exhaust grille observed in bathroom
			0.5	458	Yes	Yes	Yes	Yes	Yes	Univent #2. 3 Windows provide natural ventilation. Exhaust grille observed in bathroom
			0.6	594	Yes	Yes	Yes	Yes	Yes	Univent #3. 3 Windows provide natural ventilation. Exhaust grille observed in bathroom
			0.6	625	Yes	Yes	Yes	Yes	Yes	Univent #4. 3 Windows provide natural ventilation. Exhaust grille observed in bathroom
			0.6	513	Yes	Yes	Yes	Yes	Yes	Univent #5. 3 Windows provide natural ventilation. Exhaust grille observed in bathroom
			0.5	380	Yes	Yes	Yes	Yes	Yes	Univent #6. 3 Windows provide natural ventilation. Exhaust grille observed in bathroom
			0.6	766	Yes	Yes	Yes	Yes	Yes	Univent #7. 3 Windows provide natural ventilation. Exhaust grille observed in bathroom

Client: Greenburgh CSD Date: September 28, 2020

Project: Richard J. Bailey Elementary School Job #: 20209

Auditors: Susan Richter & Marvin Luccioni

Are roof top exhaust fans present and operational No Are mechanical systems uncontrolled, BMS, or mixed? N/A

Date of last filter change? N/A What are current day/night time settings? N/A

*Air Flow is calculated in Cubic Feet per Minute (CFM), to determine the Flow Velocity in feet per minute, multiply this figure by the Duct Cross Sectional Area. (CFM = FPM x Duct Cross Sectional Area)

Multiple registers have a cumulative effect on the total CFM of a given space.

This form is used to record general information about specific areas of the building; during the air ventilation assessment.

Room Number / Name	Anticipated # of Occupants	Ventilation Type	Area Opening (Square Feet)	Measured Flow Rate (CFM)*	Flow Rate Meets 15 CFM / occupancy rate	Vents unobstructed?	Flow velocities meet building codes?	Exhaust grilles unobstructed?	Fresh Air Dampers open?	Notes
Cafeteria	0	Natural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10 windows accessible with a ladder could provide natural ventilation.
Room 002	10	Natural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Four windows provide natural ventilation. No exhaust grilles observed.
Art Room	10	Natural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3 windows accessible with a ladder provide natural ventilation.
Room 108	10	Natural	1.0	0	No	N/A	Yes	Yes	N/A	4 windows provide natural ventilation, closet exhaust grille and wall flue observed (reading with windows closed).
				75	No	N/A	Yes	Yes	N/A	4 windows provide natural ventilation, closet exhaust grille and wall flue observed (reading with 1 window open).
				155	Yes	N/A	Yes	Yes	N/A	4 windows provide natural ventilation, closet exhaust grille and wall flue observed (reading with 2 windows open).
				150	Yes	N/A	Yes	Yes	N/A	4 windows provide natural ventilation, closet exhaust grille and wall flue observed (reading with 3 windows open).
				235	Yes	N/A	Yes	Yes	N/A	4 windows provide natural ventilation, closet exhaust grille and wall flue observed (reading with 4 windows open).
Room 103	10	Natural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5 Windows provide natural ventilation, 4 windows blocked by miscellaneous items, no exhaust grilles observed, non-functional univent present.
Nurse's Office	3	Natural	0.4	0	No	N/A	No	Yes	N/A	2 windows provide natural ventilation, small exhaust grille in ceiling (reading with windows closed).
				16	No	N/A	No	Yes	N/A	2 windows provide natural ventilation, small exhaust grille in ceiling (reading with 1 window open).
				34	No	N/A	No	Yes	N/A	2 windows provide natural ventilation, small exhaust grille in ceiling (reading with 2 windows open).
Room 114	9	Natural	1.0	0	No	N/A	Yes	Yes	N/A	3 windows provide natural ventilation, closet exhaust grille and wall flue observed, non-functional univent present (reading with windows closed)
				65	No	N/A	Yes	Yes	N/A	3 windows provide natural ventilation, closet exhaust grille and wall flue observed, non-functional univent present (reading with 1 window open).
				130	No	N/A	Yes	Yes	N/A	3 windows provide natural ventilation, closet exhaust grille and wall flue observed, non-functional univent present (reading with 2 windows open).

Room Number / Name	Anticipated # of Occupants	Ventilation Type	Area Opening (Square Feet)	Measured Flow Rate (CFM)*	Flow Rate Meets 15 CFM / occupancy rate	Vents unobstructed?	Flow velocities meet building codes?	Exhaust grilles unobstructed?	Fresh Air Dampers open?	Notes
Room 114	9	Natural	0.0	174	Yes	N/A	Yes	Yes	N/A	3 windows provide natural ventilation, closet exhaust grille and wall flue observed, non-functional univent present (reading with 3 windows open).
Room 213	10	Natural	1.0	0	No	N/A	Yes	No	N/A	4 windows provide natural ventilation, closet exhaust grille observed, wall flue observed is mostly sealed with plaster, non-functional univent present (reading with windows closed).
				131	No	N/A	Yes	No	N/A	4 windows provide natural ventilation, closet exhaust grille observed, wall flue observed is mostly sealed with plaster, non-functional univent present (reading with 1 window open).
				270	Yes	N/A	Yes	No	N/A	4 windows provide natural ventilation, closet exhaust grille observed, wall flue observed is mostly sealed with plaster, non-functional univent present (reading with 2 windows open).
				133	No	N/A	Yes	No	N/A	4 windows provide natural ventilation, closet exhaust grille observed, wall flue observed is mostly sealed with plaster, non-functional univent present (reading with 3 windows open).
				143	No	N/A	Yes	No	N/A	4 windows provide natural ventilation, closet exhaust grille observed, wall flue observed is mostly sealed with plaster, non-functional univent present (reading with 4 windows open).
Room 208	10	Natural	0.0	0	No	N/A	No	N/A	N/A	4 windows provide natural ventilation, no exhaust grilles observed.
Room 201	10	Natural	0.0	0	No	N/A	No	N/A	N/A	4 windows provide natural ventilation, no exhaust grilles observed, non-functional univent present.

Client: Greenburgh CSD Date: September 28, 2020

Project: Woodlands Jr/Sr High School Job #: 20209

Auditors: Drew Cheskin, Glen Bornhorft, Marvin Luccioni & Susan Richter

Are roof top exhaust fans present and operational? No-not present Are mechanical systems uncontrolled, BMS, or mixed? uncontrolled

Date of last filter change? last year, new filters arrived 9/28/2020 What are current day/night time settings? 6:00 AM - 10:00 PM

*Air Flow is calculated in Cubic Feet per Minute (CFM), to determine the Flow Velocity in feet per minute, multiply this figure by the Duct Cross Sectional Area. (CFM = FPM x Duct Cross Sectional Area)

Multiple registers have a cumulative effect on the total CFM of a given space.

This form is used to record general information about specific areas of the building; during the air ventilation assessment.

Room Number / Name	Anticipated # of Occupants	Ventilation Type	Area Opening (Square Feet)	Measured Flow Rate (CFM)*	Flow Rate Meets 15 CFM / occupancy rate	Vents unobstructed?	Flow velocities meet building codes?	Exhaust grilles unobstructed?	Fresh Air Dampers open?	Notes
Cafeteria	50	Air Handler	4.0	56,740	Yes	Yes	Yes	Yes	Yes	12 ceiling diffusers, 4 ceiling returns, and 3 wall returns
Nurse's Office	3	Natural	N/A	N/A	N/A	N/A	N/A	N/A		Windows provide natural ventilation, no exhaust grille observed.
Room 113	16	Air Handler	0.4	367	Yes	Yes	Yes	Yes	Yes	Windows provide natural ventilation
Room 8	16	Air Handler	0.8	1,363	Yes	Yes	Yes	Yes	Yes	
Room 120	16	Air Handler	1.7	528	Yes	Yes	No	Yes	Yes	
Room 4 Band	16	Air Handler	2.2	1,669	Yes	Yes	Yes	N/A	Yes	One window provides natural ventilation, no exhaust grilles observed
Principals Office	1	Univent	2.0	412	Yes	Yes	Yes	N/A	Yes	No exhaust grille
Room 209	16	Air Handler	1.7	1,136	Yes	Yes	Yes	No	Yes	Exhaust grille partially obstructed by garbage can.
Room 202	16	Air Handler	0.8	1,035	Yes	Yes	Yes	Yes	Yes	
Room 212	15	Air Handler	1.7	334	Yes	Yes	Yes	Yes	Yes	One of the 4 ceiling registers measure 0 CFM
Room 219	16	Air Handler	0.6	676	Yes	Yes	Yes	No	Yes	Exhaust grille partially obstructed by garbage can.
Room 235	11	Natural	0.8	50	No	N/A	No	Yes	N/A	Windows closed

Room Number / Name	Anticipated # of Occupants	Ventilation Type	Area Opening (Square Feet)	Measured Flow Rate (CFM)*	Flow Rate Meets 15 CFM / occupancy rate	Vents unobstructed?	Flow velocities meet building codes?	Exhaust grilles unobstructed?	Fresh Air Dampers open?	Notes
Room 235	11	Natural	0.8	77	No	N/A	Yes	Yes	N/A	1 window open
			0.8	103	Yes	N/A	No	Yes	N/A	2 window open
Room 301	16	Air Handler	0.8	746	Yes	Yes	Yes	Yes	Yes	
Room 306	14	Air Handler	0.6	1,265	Yes	Yes	Yes	No	Yes	Exhaust grille partially obstructed by miscellaneous items.
Room 315	16	Air Handler	0.4	33	No	Yes	No	No	Yes	Exhaust grille partially obstructed by garbage can.
Room 316	16	Air Handler	0.6	88	No	Yes	No	No	Yes	Exhaust grille partially obstructed by garbage can.