

Bowen Elementary School Ventilation Summary

<u>Room</u>	<u>Ventilation Equipment Type</u>	<u>Minimum Fresh Air Required (CFM) ¹</u>	<u>Measured Fresh Air (CFM)</u>	<u>Room Ventilation Status at 50% Occupancy</u>	<u>Room Ventilation Status at 100% Occupancy</u>	<u>Nominal Occupancy Supported by Measured Fresh Air</u>	<u>Notes</u>
107 Library	Unit Vent	185	737	●	●	121	
107A - Media	Unit Vent	250	269	●	●	19	
121 - Classroom	Unit Vent	325	355	●	●	27	
122 - Classroom	Unit Vent	325	340	●	●	26	
123 - Classroom	Unit Vent	335	360	●	●	28	
124 - Classroom	Unit Vent	350	337	●	●	25	
125 - Classroom	Unit Vent	335	361	●	●	28	
126 - Classroom	Unit Vent	335	339	●	●	26	
127 - Classroom	Unit Vent	335	363	●	●	28	
201 - Classroom	Unit Vent	325	330	●	●	25	
202 - Classroom	Unit Vent	325	365	●	●	28	
204 - Classroom	Unit Vent	335	340	●	●	26	
205 - Classroom	Unit Vent	350	405	●	●	32	
206 - Classroom	Unit Vent	335	335	●	●	25	
207 - Classroom	Unit Vent	335	668	●	●	58	
208 - Classroom	Unit Vent	335	345	●	●	26	
209 - Classroom	Unit Vent	350	410	●	●	31	
210 - Classroom	Unit Vent	380	370	●	●	19	Within margin of error of testing equipment
211 - Classroom	Unit Vent	360	410	●	●	30	
212 - Classroom	Unit Vent	255	230	●	●	17	Within margin of error of testing equipment
213 - Classroom	Unit Vent	285	680	●	●	62	
214 - Classroom	Unit Vent	355	335	●	●	23	Within margin of error of testing equipment
Modular A	RTU	395	397	●	●	30	
Modular B	RTU	395	419	●	●	33	
Modular C	RTU	395	415	●	●	32	
Modular D	RTU	395	948	●	●	86	
Admin Suite	-	-	NA	●	●	NA	Outdoor meets requirements of construction, but is short of ideal standards. Mitigation work ongoing and scheduled.
Auditorium	AHU	1955	3302	●	●	628	
117 Cafeteria	Unit Vent	725	705	●	●	73	Note 2; Within margin of error of testing equipment
Gym	AHU	770	2152	●	●	144	

1. Air flow calculated using ASHRAE 62.1 and the International Mechanical Code default values for fully occupied spaces.

2. Calculated at max occupancy of 75 as specified by city of Newton.