



GARCIA, GALUSKA & DeSOUSA
Consulting Engineers Inc.

375 Faunce Corner Road, Suite D
Dartmouth, Massachusetts 02747-1258

T: 508-998-5700 • F: 508-998-0883 • E: info@g-g-d.com

SPACE AIR-EXCHANGE PER HOUR CALCULATOR

**KENNEDY-LONGFELLOW SCHOOL, 158 SPRING LANE
CAMBRIDGE, MA**

9/8/2021

ROOM NAME/#	SERVED BY	CEILING HEIGHT (FT)	FLOOR AREA (FT ²)	VOLUME (FT ³)	TOTAL SUPPLY AIR (FT ³ /MIN)	VENTILATION AIRFLOW IN (FT ³ /MIN)	EXHAUST/ RETURN AIRFLOW OUT (FT ³ /MIN)	TOTAL AIR CHANGES PER HOUR (O.A. PLUS RECIRC. AIR)	AIR EXCHANGES PER HOUR (O.A. ONLY)	FILTER MERV RATING
Main Office	AC-3	8.4	607.8	5115.7	665	350	462	7.8	4.1	13
Main Office Toilet	EF	8.4	24.75	208.3			74	0.0	21.3	#N/A
Conference Room	AC-3	8.4	88	740.7	83	44	271	6.7	3.5	13
Principal office	AC-3	8.4	238	2003.2	374	197	261	11.2	5.9	13
Cust Closet 1F	AC-1&2	10.0	50	500.0			35	0.0	4.2	13
101 Gr-1	AC-1&2	8.5	1435	12197.5	1294	354	501	6.4	1.7	13
101 Boys Toilet	EF	7.4	41	304.1			85	0.0	16.8	#N/A
101 Girls Toilet	EF	7.4	38.4	284.8			47	0.0	9.9	#N/A
101 Small Storage		10.0	18.5	185.0		NO TAB DATA		0.0	0.0	#N/A
101 Large Storage		10.0	138	1380.0		NO TAB DATA		0.0	0.0	#N/A
102 Spec Start	AC-1&2	8.5	1092.5	9286.3	775	212	570	5.0	1.4	13
102 Boys Toilet	EF	7.4	40.9	303.3			43	0.0	8.5	#N/A
102 Girls Toilet	EF	7.4	20	148.3			40	0.0	16.2	#N/A
102 Large Storage		10.0	89	890.0		NO TAB DATA		0.0	0.0	#N/A
102 Small Storage		10.0	19	190.0		NO TAB DATA		0.0	0.0	#N/A
102 Toilet Vestibule		10.0	18	180.0		NO TAB DATA		0.0	0.0	#N/A
103 Early Childhood	AC-1&2	8.5	1001.2	8510.2	597	164	774	4.2	1.2	13
Rm 103 small storage		10.0	18.4	184.0		NO TAB DATA		0.0	0.0	#N/A
Rm 103 large storage		10.0	105	1050.0		NO TAB DATA		0.0	0.0	#N/A
104 Kindergarten	AC-1&2	8.5	1529.6	13001.6	759	208	753	3.5	1.0	13

ROOM NAME/#	SERVED BY	CEILING HEIGHT (FT)	FLOOR AREA (FT ²)	VOLUME (FT ³)	TOTAL SUPPLY AIR (FT ³ /MIN)	VENTILATION AIRFLOW IN (FT ³ /MIN)	EXHAUST/ RETURN AIRFLOW OUT (FT ³ /MIN)	TOTAL AIR CHANGES PER HOUR (O.A. PLUS RECIRC. AIR)	AIR EXCHANGES PER HOUR (O.A. ONLY)	FILTER MERV RATING
104 Small Storage		10.0	19.5	195.0		NO TAB DATA		0.0	0.0	#N/A
104 Large Storage		10.0	81	810.0		NO TAB DATA		0.0	0.0	#N/A
105 Toilet Vestibule		10.0	15.8	158.0		NO TAB DATA		0.0	0.0	#N/A
105 Spec Start	AC-1&2	8.5	1140.7	9696.0	384	105	328	2.4	0.7	13
105 Small Toilet	EF	7.4	21.3	158.0			48	0.0	18.2	#N/A
105 Large Toilet	EF	7.4	39.2	290.7			42	0.0	8.7	#N/A
105 Small Storage		10.0	91	910.0		NO TAB DATA		0.0	0.0	#N/A
105 Large Storage		10.0	17.8	178.0		NO TAB DATA		0.0	0.0	#N/A
106 Kindergarten	AC-1&2	8.5	1154	9809.0	852	233	347	5.2	1.4	13
106 Large Toilet	EF	7.4	39	289.3			28	0.0	5.8	#N/A
106 Small Toilet	EF	7.4	21	155.8			31	0.0	11.9	#N/A
106 Small Storage		10.0	19.8	198.0		NO TAB DATA		0.0	0.0	#N/A
106 Large Storage		10.0	93	930.0		NO TAB DATA		0.0	0.0	#N/A
106 Toilet Vestibule		10.0	15.8	158.0		NO TAB DATA		0.0	0.0	#N/A
107 Kindergarten	AC-1&2	8.5	1428	12138.0	954	261	1205	4.7	1.3	13
107 Small Storage		10.0	19.2	192.0		NO TAB DATA		0.0	0.0	#N/A
107 Large Storage		10.0	65.6	656.0		NO TAB DATA		0.0	0.0	#N/A
108 Kindergarten	AC-1&2	8.5	1001	8508.5	621	170	1001	4.4	1.2	13
108 Small Storage		10.0	18.5	185.0		NO TAB DATA		0.0	0.0	#N/A
108 Large Storage		10.0	85	850.0		NO TAB DATA		0.0	0.0	#N/A
109 Toilet Vestibule		10.0	18.6	186.0		NO TAB DATA		0.0	0.0	#N/A
109 Kindergarten	AC-1&2	8.5	1105	9392.5	477	131	1149	3.0	0.8	13
109 Large Toilet		7.4	41.6	308.5			21	0.0	4.1	#N/A
109 Small Toilet		7.4	20.5	152.0			12	0.0	4.7	#N/A
109 Small Storage		10.0	19	190.0		NO TAB DATA		0.0	0.0	#N/A
109 Large Storage		10.0	93	930.0		NO TAB DATA		0.0	0.0	#N/A
110 Pre-K	AC-1&2	8.5	1079	9171.5	1213	332	186	7.9	1.2	13
110 Large Toilet	EF	7.4	38	281.8			0 FNE?	0.0	0.0	#N/A
110 Small Toilet	EF	7.4	20.6	152.8			0 FNE?	0.0	0.0	#N/A
110 Small Storage		10.0	19.5	195.0		NO TAB DATA		0.0	0.0	#N/A
110 Large Storage		10.0	143	1430.0		NO TAB DATA		0.0	0.0	#N/A

ROOM NAME/#	SERVED BY	CEILING HEIGHT (FT)	FLOOR AREA (FT ²)	VOLUME (FT ³)	TOTAL SUPPLY AIR (FT ³ /MIN)	VENTILATION AIRFLOW IN (FT ³ /MIN)	EXHAUST/ RETURN AIRFLOW OUT (FT ³ /MIN)	TOTAL AIR CHANGES PER HOUR (O.A. PLUS RECIRC. AIR)	AIR EXCHANGES PER HOUR (O.A. ONLY)	FILTER MERV RATING
111 Community Schools	AC-1&2	8.5	393	3340.5	198	54	156	3.6	1.0	13
Rm 112		10.0	125	1250.0		NO TAB DATA		0.0	0.0	#N/A
Elev Mach Room	AC-1&2	10.0	48	480.0	127	35		15.9	4.3	13
Longfellow Room	AC-1&2	11.0	1620.4	17824.4	1251	343	1001	4.2	1.2	13
East Lobby	AC-1&2	8.5	??	??	415	114	102	0.0	0.0	13
Longfellow Room Stor		10.0	275	2750.0		NO TAB DATA		0.0	0.0	#N/A
Hallway storage large	AC-3	8.4	307.3	2586.4			129	0.0	1.6	13
Teachers Lounge 1F	AC-1&2	8.5	150	1275.0	125	34		5.9	1.6	13
Staff Toilet 1F	EF	8.1	114	921.5			42	0.0	2.7	#N/A
Rm 109A		10.0	308	3080.0	360	NO TAB DATA		7.0	0.0	#N/A
Boys bathroom 1st floor	AC-3	8.6	96	824.0	37	19	84	2.7	1.4	13
Girls bathroom 1st floor	AC-3	8.6	106	909.8	30	16	93	2.0	1.0	13
Off AP K-5	AC-3	8.4	353	2971.1	460	242		9.3	4.9	13
Nurse's Office	AC-3	8.4	196.6	1654.7	232	122	121	8.4	4.4	13
Health A	AC-3	8.4	73.4	617.8	41	22		4.0	2.1	13
Health B	AC-3	8.4	83	698.6	87	46		7.5	3.9	13
Office		10.0	95	950.0	280	NO TAB DATA		17.0	0.0	#N/A
Parent Liaison	AC-3	8.3	50	416.7	275		103	39.0	7.8	13
Auditorium Stor		10.0	300	3000.0		NO TAB DATA		0.0	0.0	#N/A
Guidance	AC-3	8.3	273	2252.3	111	58	400	3.0	1.6	13
Guidance A	AC-3	8.3	147	1212.8	119	63		5.9	3.1	13
Guidance B	AC-3	8.3	148	1221.0	85	45		4.2	2.2	13
Auditorium	AC-4	25.0	2981	74525.0	7383	2223	0	5.9	1.8	13
Stage		10.0	1640	16400.0		NO TAB DATA		0.0	0.0	#N/A
Stage Small Storage		10.0	100	1000.0		NO TAB DATA		0.0	0.0	#N/A
Stage Large Storage		10.0	300	3000.0		NO TAB DATA		0.0	0.0	#N/A
Practice A B	AC-3	8.4	272	2289.3	442	233	355	11.6	6.1	13
Chorus music	AC-3	8.4	637.5	5365.6	224	118	138	2.5	1.3	13
Chorus Staff Toilet	AC-3	8.4	34	286.2			0 FNE	0.0	0.0	13
Chorus Toilet	AC-3	8.4	33	277.8			0 FNE	0.0	0.0	13

ROOM NAME/#	SERVED BY	CEILING HEIGHT (FT)	FLOOR AREA (FT ²)	VOLUME (FT ³)	TOTAL SUPPLY AIR (FT ³ /MIN)	VENTILATION AIRFLOW IN (FT ³ /MIN)	EXHAUST/ RETURN AIRFLOW OUT (FT ³ /MIN)	TOTAL AIR CHANGES PER HOUR (O.A. PLUS RECIRC. AIR)	AIR EXCHANGES PER HOUR (O.A. ONLY)	FILTER MERV RATING
Chorus Storage	AC-3	10.0	157.4	1574.0		NO TAB DATA		0.0	0.0	13
K-5 music	AC-3	8.4	698.1	5875.7	1302	686	626	13.3	6.4	13
Cafeteria	AC-3	12.0	3217.9	38614.8	5332	2807	3477	8.3	4.4	13
Music	AC-3	12.4	778.3	9663.9	893	470	467	5.5	2.9	13
MS Art	AC-3	12.4	632	7847.3			843	0.0	3.4	13
MS Art Storage	AC-3	10.0	62	620.0		NO TAB DATA		0.0	0.0	13
MS Art Office	AC-3	12.4	62	769.8	173	91	0	13.5	7.1	13
MS Art Hallway	AC-3	12.4	130.9	1625.3	1205	634		44.5	23.4	13
Instr st/stock rm		10.0	245	2450.0		NO TAB DATA		0.0	0.0	#N/A
Water rm		10.0	179	1790.0		NO TAB DATA		0.0	0.0	#N/A
Boiler rm		10.0	970.4	9704.0		NO TAB DATA		0.0	0.0	#N/A
Mech rm		10.0	402	4020.0		NO TAB DATA		0.0	0.0	#N/A
Garage		10.0	742.2	7422.0		NO TAB DATA		0.0	0.0	#N/A
Cust office 2F	AC-1&2	8.5	117.5	998.8			55	0.0	0.9	13
Cust office bathroom		10.0	37.6	376.0		NO TAB DATA		0.0	0.0	#N/A
Cust Off Small Storage		10.0	108	1080.0		NO TAB DATA		0.0	0.0	#N/A
Cust Off Large Storage		10.0	140.8	1408.0		NO TAB DATA		0.0	0.0	#N/A
Kitchen	HV-7	8.5	2233.7	18986.5	2517	2283	5897	8.0	7.2	13
Kitchen office	HV-7	8.5	122	1037.0	0 FNE	0 FNE	0 FNE	0.0	0.0	13
Wash rm	HV-7	8.5	150.9	1282.7	0 FNE	0 FNE	0 FNE	0.0	0.0	13
Dish rm	HV-7	8.5	221.5	1882.8	0 FNE	0 FNE	0 FNE	0.0	0.0	13
Food st/freezer		10.0	723.6	7236.0		NO TAB DATA		0.0	0.0	#N/A
Kitchen bathroom		8.5	128.7	1094.0	0 FNE	0 FNE	0 FNE	0.0	0.0	#N/A
Food service office	HV-7	8.5	408.4	3471.4			234	0.0	4.0	13
Food Storage Small		10.0	80	800.0		NO TAB DATA		0.0	0.0	#N/A
Transportation Office		10.0	150	1500.0		NO TAB DATA		0.0	0.0	#N/A
Transp Off Toilet		10.0	35	350.0		NO TAB DATA		0.0	0.0	#N/A
Exterior Storage		10.0	70	700.0		NO TAB DATA		0.0	0.0	#N/A
Hallway 1st floor	AC-3	8.4	6062.55	51026.5	551	290		0.6	0.3	13
Door 1		10.0	70	700.0		NO TAB DATA		0.0	0.0	#N/A

ROOM NAME/#	SERVED BY	CEILING HEIGHT (FT)	FLOOR AREA (FT ²)	VOLUME (FT ³)	TOTAL SUPPLY AIR (FT ³ /MIN)	VENTILATION AIRFLOW IN (FT ³ /MIN)	EXHAUST/ RETURN AIRFLOW OUT (FT ³ /MIN)	TOTAL AIR CHANGES PER HOUR (O.A. PLUS RECIRC. AIR)	AIR EXCHANGES PER HOUR (O.A. ONLY)	FILTER MERV RATING
Door 20		10.0	70	700.0		NO TAB DATA		0.0	0.0	#N/A
Door 19		10.0	400	4000.0		NO TAB DATA		0.0	0.0	#N/A
Door 7		10.0	350	3500.0		NO TAB DATA		0.0	0.0	#N/A
Air handlers		10.0	1060.7	10607.0		NO TAB DATA		0.0	0.0	#N/A
Auditorium Control Rm	AC-3	8.1	44	355.7	160	84		27.0	14.2	13
200 K-5 PC Lab	AC-1&2	8.5	1343.4	11418.9	1009	276	561	5.3	1.5	13
201 Gr-1	AC-1&2	8.5	880.8	7486.8	607	166	249	4.9	1.3	13
201 Storage		8.5	19.7	167.5		NO TAB DATA		0.0	0.0	#N/A
202 Gr-3	AC-1&2	8.5	879.3	7474.1	332	91	330	2.7	0.7	13
202 Storage		8.5	18.8	159.8		NO TAB DATA		0.0	0.0	#N/A
203 Gr-2	AC-1&2	8.5	877.7	7460.5	365	100	700	2.9	0.8	13
203 Storage		8.5	19.6	166.6		NO TAB DATA		0.0	0.0	#N/A
204 Gr-2	AC-1&2	8.5	886.7	7537.0	360	99	598	2.9	0.8	13
204 Storage		8.5	19.7	167.5		NO TAB DATA		0.0	0.0	#N/A
205 Gr-3	AC-1&2	8.5	883.5	7509.8	510	140	133	4.1	1.1	13
205 Storage		8.5	19.5	165.8		NO TAB DATA		0.0	0.0	#N/A
206 Gr-5	AC-1&2	8.5	855	7267.5	340	93	398	2.8	0.8	13
206 Storage		8.5	18.8	159.8		NO TAB DATA		0.0	0.0	#N/A
207 Gr-4	AC-1&2	8.5	893.6	7595.6	529	145	123	4.2	1.0	13
207 Storage		8.5	18.6	158.1		NO TAB DATA		0.0	0.0	#N/A
208 Gr-4	AC-1&2	8.5	797.3	6777.1	665	182	355	5.9	1.6	13
208 Storage		8.5	18.8	159.8		NO TAB DATA		0.0	0.0	#N/A
209 Gr-5	AC-1&2	8.5	790	6715.0	769	211	166	6.9	1.5	13
209 Storage		8.5	18.8	159.8		NO TAB DATA		0.0	0.0	#N/A
210 Gr-5	AC-1&2	8.5	859	7301.5	552	151	487	4.5	1.2	13
210 Storage		8.5	19.9	169.2		NO TAB DATA		0.0	0.0	#N/A
211 K-5 Sped	AC-1&2	8.5	878	7463.0	549	150	697	4.4	1.2	13
211 Storage		8.5	19.6	166.6		NO TAB DATA		0.0	0.0	#N/A
212 Gr-6-8 Basic Skills	AC-1&2	8.5	885.5	7526.8	475	130	415	3.8	1.0	13
212 Storage		8.5	19.9	169.2		NO TAB DATA		0.0	0.0	#N/A

ROOM NAME/#	SERVED BY	CEILING HEIGHT (FT)	FLOOR AREA (FT ²)	VOLUME (FT ³)	TOTAL SUPPLY AIR (FT ³ /MIN)	VENTILATION AIRFLOW IN (FT ³ /MIN)	EXHAUST/ RETURN AIRFLOW OUT (FT ³ /MIN)	TOTAL AIR CHANGES PER HOUR (O.A. PLUS RECIRC. AIR)	AIR EXCHANGES PER HOUR (O.A. ONLY)	FILTER MERV RATING
213 Gr-6-8 Basic Skills	AC-1&2	8.5	896.7	7622.0	548	150	308	4.3	1.2	13
213 Storage		8.5	19.9	169.2		NO TAB DATA		0.0	0.0	#N/A
214 Science	AC-1&2	8.5	1696.2	14417.7	1877	514	749	7.8	2.1	13
214 Storage		10.0	4.3	43.0		NO TAB DATA		0.0	0.0	#N/A
214 Chemical Prep	AC-1&2	10.0	253.3	2533.0		NO TAB DATA		0.0	0.0	13
Physcologist office	AC-1&2	10.0	243.6	2436.0	425	NO TAB DATA		10.5	0.0	13
Teachers Lounge 2F	AC-1&2	8.5	360.6	3065.1	273	75		5.3	1.5	13
Mens Rm 2F	EF	8.5	108	918.0			77	0.0	5.0	#N/A
Womens Rm 2F	EF	8.5	109	926.5			45	0.0	2.9	#N/A
Reading Recovery 2F	AC-1&2	8.5	496.8	4222.8	350	96	176	5.0	1.4	13
Girls Room 2F	AC-1&2	8.5	235	1997.5	279	76	167	8.4	2.3	13
Boys Room 2F	AC-1&2	8.5	223.6	1900.6	318	87	216	10.0	2.7	13
Library	AC-1&2	11.2	2218	24938.6	1334	365	291	3.2	0.7	13
203A Computer Lab	AC-1&2	8.5	125.8	1069.3	80	22		4.5	1.2	13
K-5 Art Room	AC-3	8.5	1286.3	10933.6	1046	551	653	5.7	3.0	13
Kiln Room	Ac-3	8.5	83	705.5			71	0.0	3.2	13
Rm 215	AC-3	8.5	731.5	6217.8	1364	718	727	13.2	6.9	13
215 Storage Small		10.0	28.5	285.0		NO TAB DATA		0.0	0.0	#N/A
215 Storage Large		10.0	35.3	353.0		NO TAB DATA		0.0	0.0	#N/A
215A	AC-3	8.5	488.7	4154.0	425	12	548	6.1	0.2	13
Facilities Storage	AC-3	7.8	533	4175.2	0 FNE	0 FNE	0 FNE	0.0	0.0	13
Facilities Storage A	AC-3	10.0	236	2360.0		NO TAB DATA		0.0	0.0	13
Staff Toilet	AC-3	7.8	106	830.3	0 FNE	0 FNE	0 FNE	0.0	0.0	13
Student Toilet		7.8	49.6	388.5			201	0.0	31.0	#N/A
Cust Closet 2F		10.0	70.6	706.0		NO TAB DATA		0.0	0.0	#N/A
Gym Storage Large	AC-3	7.8	555.9	4354.6	0 FNE	0 FNE	0 FNE	0.0	0.0	13
Gym Storage Small		10.0	305.5	3055.0		NO TAB DATA		0.0	0.0	#N/A
Girls locker room		7.8	338.8	2625.7			0 FNE	0.0	0.0	#N/A
Girls Instructor Office	AC-3	7.8	105	813.8	85	45		6.3	3.3	13
Girls Instr Off Toilet		8.0	52.75	422.0			0 FNE	0.0	0.0	#N/A

ROOM NAME/#	SERVED BY	CEILING HEIGHT (FT)	FLOOR AREA (FT ²)	VOLUME (FT ³)	TOTAL SUPPLY AIR (FT ³ /MIN)	VENTILATION AIRFLOW IN (FT ³ /MIN)	EXHAUST/ RETURN AIRFLOW OUT (FT ³ /MIN)	TOTAL AIR CHANGES PER HOUR (O.A. PLUS RECIRC. AIR)	AIR EXCHANGES PER HOUR (O.A. ONLY)	FILTER MERV RATING
Boys Instructor Office	AC-3	7.6	103.5	784.9	127	67		9.7	5.1	13
Boys Instr Off Toilet		8.0	39.7	317.6			0 FNE	0.0	0.0	#N/A
Boys locker room		7.6	623	4724.4			0 FNE	0.0	0.0	#N/A
Boys Locker Bath Room		7.6					0 FNE	0.0	0.0	#N/A
Boys Locker Shwr/Stor		7.6	393.7	2985.6			0 FNE	0.0	0.0	#N/A
222 OT/PT	AC-3	8.5	576.4	4899.4	250	0 FNE	0 FNE	3.0	0.0	13
Speech office	AC-3	8.5	384	3264.0	275	0 FNE	0 FNE	5.0	0.0	13
Gym	HV-6	30.0	6371.5	191145.0	7170	2076	0	2.3	0.7	13
Drama (PLAYROOM A)	AC-5	12.0	1718.7	20624.4	1571	396	1015	4.6	1.2	13
SpecEd (PLAYROOM B1)	AC-5	12.0	747.1	8965.2	792	200	1328	5.3	1.3	13
SpecEd (PLAYROOM B2)	AC-5	12.0	623.2	7478.4	844	213		6.8	1.7	13
Stairwell to water rm	AC-5	12.0	262.7	3152.4			55	0.0	0.3	13
Stairwell to door 19		10.0	284	2840.0		NO TAB DATA		0.0	0.0	#N/A
Hallway 2nd floor	AC-3	8.5	6518.2	55404.7	955	503		1.0	0.5	13
301	AC-1&2	8.5	406.7	3457.0			932	0.0	4.4	13
301A	AC-1&2	8.5	90.4	768.4		NO TAB DATA		0.0	0.0	13
Assistant principal	AC-1&2	8.5	165	1402.5	218	60		9.3	2.6	13
Head of school	AC-1&2	8.5	216.4	1839.4	192	53		6.3	1.7	13
302 Gr-8 ELA	AC-1&2	8.5	853.8	7257.3	711	195	371	5.9	1.6	13
302 Storage		10.0	18.5	185.0		NO TAB DATA		0.0	0.0	#N/A
303 Gr-8 SS	AC-1&2	8.5	860	7310.0	482	132	660	4.0	1.1	13
303 Storage		10.0	20	200.0		NO TAB DATA		0.0	0.0	#N/A
304 Gr-8 Math	AC-1&2	8.5	881	7488.5	581	159	993	4.7	1.3	13
304 Storage		10.0	19.6	196.0		NO TAB DATA		0.0	0.0	#N/A
305 WL	AC-1&2	8.5	882.5	7501.3	492	135	859	3.9	1.1	13
305 Storage		10.0	19.6	196.0		NO TAB DATA		0.0	0.0	#N/A
306A Spec	AC-1&2	8.5	140	1190.0	93	25		4.7	1.3	13
306B Spec	AC-1&2	8.5	180	1530.0	147	40		5.8	1.6	13
306C Spec	AC-1&2	8.5	165.4	1405.9			788	0.0	9.2	13
307 WL	AC-1&2	8.5	918.4	7806.4	630	173	401	4.8	1.3	13

ROOM NAME/#	SERVED BY	CEILING HEIGHT (FT)	FLOOR AREA (FT ²)	VOLUME (FT ³)	TOTAL SUPPLY AIR (FT ³ /MIN)	VENTILATION AIRFLOW IN (FT ³ /MIN)	EXHAUST/ RETURN AIRFLOW OUT (FT ³ /MIN)	TOTAL AIR CHANGES PER HOUR (O.A. PLUS RECIRC. AIR)	AIR EXCHANGES PER HOUR (O.A. ONLY)	FILTER MERV RATING
308 Art	AC-1&2	8.5	915.2	7779.2	538	147	542	4.1	1.1	13
308 Storage		10.0	19.7	197.0		NO TAB DATA		0.0	0.0	#N/A
309 WL	AC-1&2	8.5	879.5	7475.8	480	131	431	3.9	1.1	13
309 Storage		10.0	19	190.0		NO TAB DATA		0.0	0.0	#N/A
310 Gr-6 SS	AC-1&2	8.5	242.5	2061.3	360	99		10.5	2.9	13
310A Classroom	AC-1&2	8.5	538.4	4576.4	371	102	487	4.9	1.3	13
310A Storage		10.0	19.9	199.0		NO TAB DATA		0.0	0.0	#N/A
311 Gr-6 ELA	AC-1&2	8.5	882	7497.0	859	235	242	6.9	1.9	13
311 Storage		10.0	19.8	198.0		NO TAB DATA		0.0	0.0	#N/A
312 Gr-6 Math	AC-1&2	8.5	860	7310.0	861	236	644	7.1	1.9	13
312 Storage		10.0	19.6	196.0		NO TAB DATA		0.0	0.0	#N/A
313 Gr-7 SS	AC-1&2	8.5	882.9	7504.7	817	224	778	6.5	1.8	13
313 Storage		10.0	19.9	199.0		NO TAB DATA		0.0	0.0	#N/A
314 Gr-7 ELA	AC-1&2	8.5	886.1	7531.9	693	190	534	5.5	1.5	13
314 Storage		10.0	19.6	196.0		NO TAB DATA		0.0	0.0	#N/A
315 Gr-7 ELA	AC-1&2	8.5	801.1	6809.4	861	236	237	7.6	2.1	13
315 Storage		10.0	18.6	186.0		NO TAB DATA		0.0	0.0	#N/A
316 Gr-6 Science	AC-1&2	8.5	860.2	7311.7	715	196	385	5.9	1.6	13
Girls Rm 3F	AC-1&2	8.5	235	1997.5	313	86	183	9.4	2.6	13
Boys Rm 3F	AC-1&2	8.5	223.6	1900.6	244	67	237	7.7	2.1	13
Stairwell 300s	AC-1&2	8.5			417	114		0.0	0.0	13
Corridor 12 300s	AC-1&2	8.5					203	0.0	0.0	13
317	AC-1&2	8.5	230	1955.0		NO TAB DATA		0.0	0.0	13
Upper Library	AC-1&2	8.5	1076.6	9151.1	921	252		6.0	1.7	13
Teachers Lounge 3F	AC-1&2	8.5	363	3085.5	859	235	744	16.7	4.6	13
Mens Rm	AC-1&2	8.5	109.5	930.8			57	0.0	1.0	13
Womens Rm	AC-1&2	8.5	109.5	930.8			52	0.0	0.9	13
Guidance Office 3F	AC-1&2	8.5	226	1921.0	396	108		12.4	3.4	13
Custodian Room 3F	AC-1&2	8.5	270	2295.0			159	0.0	1.1	13
215B		8.5	470	4000.0	450			6.8		
Corridor 3F	AC-1&2	8.5	3412.4	29005.4			385	0.0	0.2	13

ROOM NAME/#	SERVED BY	CEILING HEIGHT (FT)	FLOOR AREA (FT ²)	VOLUME (FT ³)	TOTAL SUPPLY AIR (FT ³ /MIN)	VENTILATION AIRFLOW IN (FT ³ /MIN)	EXHAUST/ RETURN AIRFLOW OUT (FT ³ /MIN)	TOTAL AIR CHANGES PER HOUR (O.A. PLUS RECIRC. AIR)	AIR EXCHANGES PER HOUR (O.A. ONLY)	FILTER MERV RATING
-------------	-----------	---------------------	-------------------------------	---------------------------	---	---	--	--	------------------------------------	--------------------

FNE = "Fan not energized" per Final TAB Report

Insufficient data to delineate spaces served by AC-1 or AC-2, OA ACH based on average between the 2.

Avg	2.7	1.9
-----	------------	------------