

























Preliminary South High School Ventilation Summary

	Room	Ventilation Equipment Type	Minimum Fresh Air Required (CFM) ¹	Measured Fresh Air (CFM)	Room Ventilation Status at 50% Occupancy	Room Ventilation Status at 100% Occupancy	Nominal Occupancy Supported by Measured Fresh Air	Notes
1st Floor	1101 - Classroom	Unit Ventilator	436	525	●	●	39	
	1102 - Classroom	Unit Ventilator	529	899	●	●	67	
	1106 - Office	RTU 3H	14	44	●	●	7	
	1108 - Dept. Head	RTU 3H	44	72	●	●	9	
	1110 - Office	RTU 3H	17	60	●	●	10	
	1112 - Classroom	Unit Ventilator	435	451	●	●	32	
	1122 - Classroom	Unit Ventilator	369	534	●	●	44	
	1125 - Classroom	Unit Ventilator	416	461	●	●	34	
	2101 - Science	Unit Ventilator	491	879	●	●	67	
	2102 - Science	Unit Ventilator	507	1035	●	●	82	
	2105 - Science	Unit Ventilator	504	1045	●	●	83	
	2106 - Science	Unit Ventilator	501	592	●	●	59	
	2107 - Classroom	Unit Ventilator	405	475	●	●	37	
	2108 - Classroom	Unit Ventilator	406	1107	●	●	100	
	2109 - Office	RTU 2H	16	78	●	●	14	
	2110 - Break Room	RTU 2H	106	94	●	●	13	
	2111 - Office	RTU 2H	17	61	●	●	10	
	2112 - Computer Lab	RTU 2H	92	94	●	●	7	
	2113 - Office	RTU 2H	18	85	●	●	15	
	2114 - Office	RTU 2H	28	75	●	●	12	
	2115 - Office	RTU 2H	16	88	●	●	16	
	2116 - Multipurpose	RTU 2H	206	255	●	●	27	
	2117 - Office	RTU 2H	28	155	●	●	28	
	2119 - Office	RTU 2H	14	40	●	●	6	
	2121 - Admin Offices	RTU 2H	68	96	●	●	12	
	3101 - Science	Unit Ventilator	521	613	●	●	40	
	3102 - Science	Unit Ventilator	504	613	●	●	40	
	3104 - Classroom	RTU 3E	219	280	●	●	23	
	3107 - Science	Unit Ventilator	525	745	●	●	52	
	3110 - Office	RTU 2E	85	742	●	●	139	
	3113 - Classroom	Unit Ventilator	515	694	●	●	48	
	3114 - Classroom	Unit Ventilator	561	698	●	●	44	
	3122 - Classroom	Unit Ventilator	524	650	●	●	43	
	3124 - Classroom	RTU 1E	484	517	●	●	42	
	4101 - Classroom	Unit Ventilator	239	488	●	●	43	
	4105 - Classroom	Unit Ventilator	421	471	●	●	35	
	4107 - Office	Unit Ventilator	23	113	●	●	19	
	4110 - Office	RTU 1D	40	103	●	●	16	
	4113 - Classroom	Unit Ventilator	183	257	●	●	21	
	4114 - Classroom	Unit Ventilator	444	566	●	●	42	
	4115 - Office	Unit Ventilator	35	657	●	●	127	
	4116 - Office	RTU 1D	60	85	●	●	10	
	4118 - Classroom	RTU 1D	136	130	●	●	10	Within margin of error of testing equipment
	4119 - Classroom	Unit Ventilator	456	657	●	●	50	
	4120 - Office	RTU 1D	16	85	●	●	15	
	4122 - Guidance Office	RTU 1D	19	96	●	●	179	
	4124 - Conference	RTU 1D	69	96	●	●	16	
	4126 - Guidance Office	RTU 1D	23	91	●	●	16	
	4132 - Teacher Lounge	RTU 1D	48	86	●	●	15	
	4136 - Classroom	RTU 1D	140	193	●	●	16	
	4150 - Office	Unit Ventilator	20	140	●	●	25	
	4151 - Office	Fancoil	20	127	●	●	23	
	4152 - Office	Fancoil	19	147	●	●	27	
	4153 - Classroom	Unit Ventilator	300	745	●	●	146	
	4154 - Classroom	Unit Ventilator	325	619	●	●	54	
	4155 - Classroom	Unit Ventilator	304	860	●	●	78	
	4156 - Classroom	Unit Ventilator	410	747	●	●	64	
	4157 - Classroom	Unit Ventilator	407	566	●	●	46	
	4158A - Training	RTU 1A	92	108	●	●	13	
	4160 - Office	RTU 1A	7	13	●	●	2	
	4162 - Office	RTU 1A	7	13	●	●	2	
	4166 - Office	RTU 1A	23	51	●	●	7	
	4168 - Office	RTU 1A	10	30	●	●	5	
	4170 - AD. Office	RTU 1A	11	32	●	●	5	
	5129 - Small Gymnasium	H&V- 1,2	2445	3493	●	●	105	

5136 - Fitness Room	RTU 3	480	581	●	●	19	
5138 - Wrestling Room	RTU 4	526	487	●	●	18	Within margin of error of testing equipment
5140 Field House	RTU - 6,7,8,9	25,947	26347	●	●	5125	
5122 - Nurse Area	RTU 2A	29	76	●	●	11	
5120 - Office	RTU 2A	22	65	●	●	10	
5126 - Office	RTU 2A	42	38	●	●	2	Within margin of error of testing equipment
5118 - Exam Room	RTU 2A	7	39	●	●	7	
5116 - Exam Room	RTU 2A	10	69	●	●	13	
5130 - Exam Room	RTU 2A	9	25	●	●	4	
5132 - Confrence Room	RTU 2A	48	41	●	●	6	Within margin of error of testing equipment
6101 - Classroom	Unit Ventilator	440	583	●	●	44	
6107 - Classroom	Unit Ventilator	382	612	●	●	51	
6109 - Classroom	Unit Ventilator	384	684	●	●	59	
6111 - Break Room	Unit Ventilator	124	774	●	●	147	
6112 - Office	Fancoil	33	312	●	●	58	
6116 - Classroom	Unit Ventilator	385	759	●	●	66	
6120 - Office	RTU 3G	13	69	●	●	8	
6122 - Office	RTU 3G	20	45	●	●	7	
6124 - Office	RTU 3G	14	50	●	●	8	
6126 - Office	RTU 3G	13	50	●	●	8	
6128 - Office	RTU 3G	13	49	●	●	8	
6130 - Office	RTU 3G	24	80	●	●	13	
6136 - Conference Room	RTU 3G	74	76	●	●	11	
6138 - Office	Unit Ventilator	32	669	●	●	129	
6150 - Office	Fancoil	17	109	●	●	19	
6152 - Office	Fancoil	16	133	●	●	24	
6154 - Office	Fancoil	11	52	●	●	9	
6156 - Classroom	Unit Ventilator	411	815	●	●	70	
6157 - Classroom	Unit Ventilator	430	499	●	●	37	
6158 - Classroom	Unit Ventilator	405	818	●	●	71	
6159 - Classroom	Unit Ventilator	493	685	●	●	49	
6160 - Classroom	Unit Ventilator	402	664	●	●	56	
6161 - Office	RTU 1F	8	32	●	●	5	
6162 - Classroom	Unit Ventilator	397	886	●	●	78	
6163 - Office	RTU 1F	14	46	●	●	7	
6164 - Office	RTU 1F	12	21	●	●	2	
6166 - Office	RTU 1F	13	45	●	●	7	
6167 - Classroom	Unit Ventilator	445	683	●	●	54	
6168 - Office	RTU 1F	11	21	●	●	3	
6170 - Office	RTU 1F	10	48	●	●	8	
6172 - Office	RTU 1F	11	48	●	●	8	
6174 - Office	RTU 1F	13	37	●	●	5	
7101 - Library	RTU 8C	2563	3135	●	●	257	
7103 - Office	RTU 8C	13	59	●	●	10	
7104 - Office	RTU 8C	15	71	●	●	12	
7106 - Break Room	RTU 8C	87	202	●	●	36	
7107 - Classroom	RTU 8C	510	493	●	●	39	Within margin of error of testing equipment
7108 - Office	RTU 8C	14	63	●	●	11	
7110 - Office	RTU 8C	19	65	●	●	11	
7113 - Classroom	RTU 8C	554	680	●	●	54	
7121 Lecture Hall	RTU 8C	570	673	●	●	79	
7114 - Writing Center	RTU 8C	74	165	●	●	14	
7115 - Study	RTU 8C	61	63	●	●	4	
7116 - Study	RTU 8C	62	65	●	●	5	
7117 - Study	RTU 8C	65	67	●	●	5	
7125 - Faculty Dining	RTU 9C	416	397	●	●	27	Within margin of error of testing equipment
7130 - Cafeteria	RTU	7412	8393	●	●	607	
7132 - Guidance	RTU 5C	79	118	●	●	15	
7133 - Office	RTU 5C	19	33	●	●	5	
7134 - Office	RTU 5C	43	63	●	●	8	
7135 - Office	RTU 5C	11	17	●	●	2	
7136 - Office	RTU 5C	11	16	●	●	2	
7137 - Office	RTU 5C	13	25	●	●	4	
7138 - Office	RTU 5C	27	42	●	●	5	
7139 - Office	RTU 5C	22	29	●	●	3	
8102 - Main Office	RTU 4C	74	107	●	●	13	
8105 -Break Room	RTU 4C	17	26	●	●	3	
8109 - Office	RTU 4C	11	39	●	●	6	
8110 - Assistant Principal	RTU 4C	25	90	●	●	14	

	8112 - Principals Office	RTU 4C	29	92	●	●	14	
	8113 - Office	RTU 4C	8	38	●	●	7	
	Open Office	RTU 4C	67	97	●	●	10	
	9101 - Classroom	RTU 3	575	944	●	●	48	
	9104 - Classroom	Unit Ventilator	409	471	●	●	36	
	9106 - Classroom	Unit Ventilator	222	671	●	●	61	
	9107 - Art Studio	RTU 2C	584	1432	●	●	121	
	9109 - Art Studio	RTU 2C	549	1432	●	●	122	
	9110 - Classroom	Unit Ventilator	435	530	●	●	40	
	9111 - Classroom	Unit Ventilator	392	482	●	●	38	
	9115 - Band	RTU 1C	440	660	●	●	39	
	9116 - Practice	RTU 1C	8	16	●	●	2	
	9117 - Practice	RTU 1C	7	16	●	●	2	
	9118 - Practice	RTU 1C	8	18	●	●	3	
	9119 - Practice	RTU 1C	9	17	●	●	2	
	9120 - Practice	RTU 1C	7	17	●	●	3	
	9122- Photography	Unit Ventilator	450	NA	NA	NA	NA	Unit ventilator has been replaced. Will test asap.
	9133 - Office	Auditorium AHU	17	78	●	●	14	
	9135 - Lab Theater	Auditorium AHU	826	941	●	●	78	
	9138 - IT	Unit Ventilator	18	125	●	●	23	
	9139 - IT	Unit Ventilator	19	125	●	●	23	
	9140 - IT Office	Unit Ventilator	46	293	●	●	53	
	9141 - Choral	RTU 8C	369	1097	●	●	81	
	9160 - Auditorium	Auditorium AHU	3074	3249	●	●	474	
	9162 - Stage	Auditorium AHU	1288	1190	●	●	106	Within margin of error of testing equipment
	9170 - Comp Room	Unit Ventilator	462	549	●	●	39	
	9171 - Classroom	Unit Ventilator	500	700	●	●	50	
	9172 - Wood Shop	Unit Ventilator	782	1759	●	●	128	
	9154 - Office	Auditorium AHU	28	60	●	●	9	
2nd Floor	1201 - Classroom	Unit Ventilator	430	456	●	●	33	
	1202 - Classroom	Unit Ventilator	429	582	●	●	45	
	1204 - Classroom	Unit Ventilator	411	486	●	●	37	
	1206 - Classroom	Unit Ventilator	412	502	●	●	39	
	1208 - Office	RTU 3H	25	41	●	●	5	
	1210 - Office	RTU 3H	23	36	●	●	5	
	1212 - Quiet Study	Unit Ventilator	148	279	●	●	50	
	1214 - Commons	Unit Ventilator	454	528	●	●	37	
	1218 - Office	RTU 3H	15	89	●	●	16	
	1219 - Classroom	RTU 3H	230	217	●	●	13	Within margin of error of testing equipment
	1220 - Classroom	RTU 3H	128	179	●	●	14	
	1221 - Office	RTU 3H	16	70	●	●	12	
	1223 - Office	RTU 3H	12	72	●	●	13	
	1225 - Office	RTU 3H	17	74	●	●	13	
	1227 - Office	RTU 3H	19	78	●	●	13	
	1229 - Office	RTU 3H	46	178	●	●	30	
	1234 - Office	RTU 3H	41	82	●	●	12	
	2201 - Classroom	Unit Ventilator	402	475	●	●	37	
	2202 - Classroom	Unit Ventilator	406	601	●	●	50	
	2203 - Classroom	Unit Ventilator	407	659	●	●	55	
	2204 - Classroom	Unit Ventilator	410	607	●	●	50	
	2205 - Classroom	Unit Ventilator	405	586	●	●	48	
	2206 - Classroom	Unit Ventilator	415	619	●	●	50	
	2207 - Classroom	Unit Ventilator	411	676	●	●	56	
	2208 - Classroom	Unit Ventilator	410	508	●	●	40	
	2209 - Classroom	Unit Ventilator	409	456	●	●	35	
	2210 - Classroom	Unit Ventilator	414	492	●	●	38	
	2211 - Classroom	Unit Ventilator	408	429	●	●	32	
	2212 - Classroom	Unit Ventilator	241	431	●	●	37	
	2214 - Office	RTU 2H	24	79	●	●	13	
	2216 - Office	RTU 2H	21	60	●	●	2	
	3201 - Classroom	Unit Ventilator	550	754	●	●	59	
	3202 - Classroom	Unit Ventilator	531	725	●	●	57	
	3203 - Classroom	Unit Ventilator	568	734	●	●	56	
	3204 - Break Room	RTU 2E	134	559	●	●	102	
	Dept. Head office	RTU 2E	21	205	●	●	39	
	3210 - Classroom	RTU 3E	237	280	●	●	23	
	3211 - Classroom	Unit Ventilator	538	562	●	●	40	
	3212 - Classroom	Unit Ventilator	581	601	●	●	41	
	3214 - Prep	RTU 2E	45	0	NA	NA	NA	RTU-2H provides untempered fresh air. NPS to work on remediation

	3220 - Classroom	RTU 1E	514	518	●	●	41	
	3222 - Classroom	Unit Ventilator	542	691	●	●	53	
	4201 - Office	Fancoil	24	70	●	●	11	
	4203 - Classroom	Unit Ventilator	411	665	●	●	55	
	4205 - Classroom	Unit Ventilator	412	976	●	●	86	
	4207 - Classroom	Unit Ventilator	411	820	●	●	71	
	4208 - Office	Fancoil	43	607	●	●	115	
	4209 - Classroom	Unit Ventilator	408	759	●	●	65	
	4211 - Office	RTU 2D	179	228	●	●	25	
	4212 - Classroom	Unit Ventilator	420	759	●	●	64	
	4214 - Classroom	Unit Ventilator	418	638	●	●	52	
	4215 - Office	RTU 2D	28	46	●	●	6	
	4216 - Classroom	Unit Ventilator	427	570	●	●	44	
	4217 - Conference Room	RTU 2D	38	66	●	●	9	
	6201 - Classroom	Unit Ventilator	384	518	●	●	42	
	6203 - Classroom	Unit Ventilator	385	470	●	●	37	
	6205 - Classroom	Unit Ventilator	397	533	●	●	43	
	6207 - Classroom	Unit Ventilator	380	583	●	●	49	
	6209 - Office	RTU 4G	137	214	●	●	27	
	6210 - Office	Fancoil	24	97	●	●	16	
	6212 - Classroom	Unit Ventilator	408	516	●	●	41	
	6213 - Office	RTU 4G	27	48	●	●	7	
	6214 - Classroom	Unit Ventilator	425	NA	NA	NA	NA	Unit ventilator has been replaced. Will test asap.
	6215 - Office	RTU 4G	20	60	●	●	10	
	6216 - Classroom	Unit Ventilator	442	566	●	●	42	
	6218 - Office	RTU 4G	19	41	●	●	6	
	6250 - Office	Fancoil	29	358	●	●	67	
	6252 - Office	Fancoil	12	203	●	●	39	
	6254 - Office	Fancoil	11	149	●	●	28	
	6255 - Office	RTU 2F	14	15	●	●	1	
	6256 - Office	Fancoil	22	171	●	●	31	
	6257 - Office	RTU 2F	38	114	●	●	19	
	6258 - Classroom	Fancoil	212	231	●	●	18	
	6259 - Office	RTU 2F	27	84	●	●	14	
	6260 - Classroom	Fancoil	202	262	●	●	21	
	6261 - Office	RTU 2F	12	19	●	●	3	
	6262 - Classroom	Unit Ventilator	407	486	●	●	38	
	6263 - Office	RTU 2F	49	74	●	●	9	
	6264 - Classroom	Unit Ventilator	406	516	●	●	41	
	6266 - Classroom	Unit Ventilator	408	601	●	●	50	
	6267 - Classroom	Unit Ventilator	348	496	●	●	41	
	6268 - Classroom	Unit Ventilator	406	683	●	●	58	
	6269 - Classroom	Unit Ventilator	400	615	●	●	51	
	6270 - Office	Fancoil	17	82	●	●	14	
	6272 - Office	Fancoil	20	51	●	●	8	
	6274 - Conference	Fancoil	38	61	●	●	11	
	6275 - Classroom	Unit Ventilator	330	423	●	●	34	
	6279 - Foyer		7	32	●	●	6	
	9201 - Office	RTU 10C	9	23	●	●	3	
	9202 - Office	RTU 10C	148	197	●	●	23	
	9203 - Office	RTU 10C	78	143	●	●	20	
	9204 - Office	RTU 10C	10	27	●	●	5	
	9208 - Office	RTU 10C	96	125	●	●	14	
	9212 - Classroom	Unit Ventilator	371	516	●	●	39	
	9201A - Entrance	RTU 10C	57	62	●	●	4	
	9217 - Controls	RTU 10C	24	37	●	●	5	
3rd Floor	1301 - Classroom	Unit Ventilator	413	522	●	●	41	
	1302 - Classroom	Unit Ventilator	448	723	●	●	57	
	1304 - Classroom	Unit Ventilator	424	622	●	●	50	
	1306 - Classroom	Unit Ventilator	411	543	●	●	43	
	1308 - Classroom	Unit Ventilator	416	427	●	●	31	
	1310 - Classroom	Unit Ventilator	410	454	●	●	34	
	1312 - Classroom	Unit Ventilator	419	467	●	●	35	
	1319 - Office	RTU 4H	19	26	●	●	3	
	1320 - Office	RTU 4H	25	27	●	●	3	
	1323 - Office	RTU 4H	152	183	●	●	19	
	1325 - Office	RTU 4H	23	28	●	●	3	
	1327 - Office	RTU 4H	27	74	●	●	12	

2301 - Conference	RTU 1H	57	48			6	This is an office converted into a small conference room. Maximum air flow is being provided.
2302 - Classroom	Unit Ventilator	422	481			36	
2303 - Dept. Head Office	RTU 1H	23	48			7	
2304 - Classroom	Unit Ventilator	413	423			31	
2305 - Office	RTU 1H	249	437			58	
2306 - Classroom	Unit Ventilator	413	605			49	
2307 - Classroom	Unit Ventilator	415	509			39	
2308 - Classroom	Unit Ventilator	408	549			44	
2309 - Classroom	Unit Ventilator	415	445			33	
2310 - Classroom	Unit Ventilator	413	472			36	
2311 - Classroom	Unit Ventilator	413	483			37	
2312 - Classroom	Unit Ventilator	412	486			37	

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