

SYSTEM VALUES AHU-1				Vps	3050	(UNCORRECTED OA) Vou	1223
				(CORRECTED OA) Vol	1325	D	1.00
				OA%	43	Ev	0.92
				ADDITIONAL OA%	8		
SYSTEM VALUES AHU-2				Vps	3360	(UNCORRECTED OA) Vou	1457
				(CORRECTED OA) Vol	1715	D	1.00
				OA%	51	Ev	0.85
				ADDITIONAL OA%	18		
SYSTEM VALUES AHU-3				Vps	3340	(UNCORRECTED OA) Vou	1479
				(CORRECTED OA) Vol	1750	D	1.00
				OA%	52	Ev	0.84
				ADDITIONAL OA%	18		
SYSTEM VALUES AHU-4				Vps	3340	(UNCORRECTED OA) Vou	1473
				(CORRECTED OA) Vol	1750	D	1.00
				OA%	52	Ev	0.84
				ADDITIONAL OA%	18		
SYSTEM VALUES AHU-5				Vps	3340	(UNCORRECTED OA) Vou	1479
				(CORRECTED OA) Vol	1740	D	1.00
				OA%	52	Ev	0.85
				ADDITIONAL OA%	18		
SYSTEM VALUES AHU-6				Vps	3340	(UNCORRECTED OA) Vou	1479
				(CORRECTED OA) Vol	1740	D	1.00
				OA%	52	Ev	0.85
				ADDITIONAL OA%	18		
SYSTEM VALUES AHU-7				Vps	3340	(UNCORRECTED OA) Vou	1204
				(CORRECTED OA) Vol	1585	D	1.00
				OA%	47	Ev	0.78
				ADDITIONAL OA%	32		
SYSTEM VALUES AHU-8				Vps	3340	(UNCORRECTED OA) Vou	1469
				(CORRECTED OA) Vol	1720	D	1.00
				OA%	51	Ev	0.85
				ADDITIONAL OA%	17		
SYSTEM VALUES AHU-9				Vps	3340	(UNCORRECTED OA) Vou	1480
				(CORRECTED OA) Vol	1725	D	1.00
				OA%	52	Ev	0.88
				ADDITIONAL OA%	17		
SYSTEM VALUES AHU-10				Vps	3340	(UNCORRECTED OA) Vou	1470
				(CORRECTED OA) Vol	1720	D	1.00
				OA%	51	Ev	0.85
				ADDITIONAL OA%	17		
SYSTEM VALUES AHU-11				Vps	3340	(UNCORRECTED OA) Vou	1480
				(CORRECTED OA) Vol	1740	D	1.00
				OA%	52	Ev	0.85
				ADDITIONAL OA%	18		
SYSTEM VALUES AHU-12				Vps	3140	(UNCORRECTED OA) Vou	1167
				(CORRECTED OA) Vol	1485	D	1.00
				OA%	47	Ev	0.79
				ADDITIONAL OA%	27		
SYSTEM VALUES AHU-13				Vps	3110	(UNCORRECTED OA) Vou	1417
				(CORRECTED OA) Vol	1630	D	1.00
				OA%	52	Ev	0.87
				ADDITIONAL OA%	15		
SYSTEM VALUES DOAS-1				Vps	2075	(UNCORRECTED OA) Vou	1663
				(CORRECTED OA) Vol	2075	D	1.00
				OA%	100	Ev	0.80
				ADDITIONAL OA%	25		
SYSTEM VALUES LIBRARY AHU				Vps	5200	(UNCORRECTED OA) Vou	1008
				(CORRECTED OA) Vol	1360	D	1.00
				OA%	26	Ev	0.74
				ADDITIONAL OA%	35		

BUILDING/EQUIPMENT VENTILATION CALCULATIONS																
EQUIPMENT NUMBER	ZONE ID				MINIMUM VENTILATION RATES										DESIGN	
	ROOM NUMBER	ROOM NAME	OCCUPANCY CLASSIFICATION	Az - AREA (SF)	Pz - ZONE OCCU. #/1000 FT	ZONE OCCU.	Rp (CFM/ Person)	RpP	Ra (CFM/SF)	RaA	Vbz (CFM)	EZ	Voz (CFM)	Vpz (CFM)	Zp	
AHU-1	24	CARPENTRY	WOOD/METAL SHOPS	1354	20	27	10	271	0.18	244	515	0.8	645	1350	0.48	
	25	COMPUTER LAB	COMPUTER LAB	534	25	13	10	134	0.12	64	198	0.8	245	550	0.45	
	26	STORAGE	STORAGE ROOMS	91	0	0	0	0	0.12	11	11	0.8	15	50	0.30	
	27	STORAGE	STORAGE ROOMS	332	0	0	0	0	0.12	40	40	0.8	50	100	0.50	
AHU-2	28	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	980	35	34	10	343	0.12	118	461	0.8	575	1000	0.58	
	111	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	940	35	33	10	329	0.12	113	442	0.8	550	940	0.59	
	113	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	1222	35	43	10	428	0.12	147	574	0.8	720	1480	0.49	
	115	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	937	35	33	10	328	0.12	112	440	0.8	550	940	0.59	
AHU-3	180	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	767	35	27	10	268	0.12	92	360	0.8	450	760	0.59	
	182	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	806	35	28	10	282	0.12	97	379	0.8	475	910	0.52	
	183	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	802	35	28	10	281	0.12	96	377	0.8	470	910	0.52	
	184	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	771	35	27	10	270	0.12	93	362	0.8	455	760	0.60	
AHU-4	132	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	772	35	27	10	270	0.12	93	363	0.8	455	760	0.60	
	133	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	736	35	26	10	258	0.12	88	346	0.8	430	760	0.57	
	189	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	793	35	28	10	278	0.12	95	373	0.8	465	910	0.51	
	190	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	834	35	29	10	292	0.12	100	392	0.8	490	910	0.54	
AHU-5	165	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	761	35	27	10	266	0.12	91	358	0.8	445	760	0.59	
	166	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	811	35	28	10	284	0.12	97	381	0.8	475	910	0.52	
	167	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	808	35	28	10	283	0.12	97	380	0.8	475	910	0.52	
	171	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	766	35	27	10	268	0.12	92	360	0.8	450	760	0.59	
AHU-6	185	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	762	35	27	10	267	0.12	91	358	0.8	450	760	0.59	
	186	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	812	35	28	10	284	0.12	97	382	0.8	475	910	0.52	
	187	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	807	35	28	10	282	0.12	97	379	0.8	475	910	0.52	
	188	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	786	35	27	10	268	0.12	92	360	0.8	450	760	0.59	
AHU-7	105	LAY DOWN	STORAGE ROOMS	212	0	0	0	0	0.12	25	25	0.8	30	150	0.20	
	106	OFFICE	OFFICE SPACES	313	5	2	5	8	0.06	19	27	0.8	35	600	0.06	
	107	PRACTICE	CLASSROOMS (AGE 9 PLUS)	70	35	2	10	25	0.12	8	33	0.8	40	50	0.80	
	108	PRACTICE	CLASSROOMS (AGE 9 PLUS)	50	35	2	10	18	0.12	6	24	0.8	30	50	0.60	
	109	PRACTICE	CLASSROOMS (AGE 9 PLUS)	38	35	1	10	13	0.12	5	18	0.8	20	50	0.40	
	175	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	1135	35	40	10	397	0.12	136	533	0.8	685	1120	0.59	
	175A	STORAGE	STORAGE ROOMS	78	0	0	0	0	0.12	9	9	0.8	10	100	0.10	
	175B	STORAGE	STORAGE ROOMS	81	0	0	0	0	0.12	10	10	0.8	10	100	0.10	
AHU-8	176	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	1117	35	39	10	391	0.12	134	525	0.8	655	1120	0.58	
	209	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	759	35	27	10	266	0.12	91	357	0.8	445	760	0.59	
	211	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	833	35	29	10	292	0.12	100	392	0.8	490	910	0.54	
	213	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	795	35	28	10	278	0.12	95	374	0.8	465	910	0.51	
AHU-9	215	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	739	35	26	10	259	0.12	89	347	0.8	435	760	0.57	
	271	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	761	35	27	10	266	0.12	91	358	0.8	445	760	0.59	
	272	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	812	35	28	10	284	0.12	97	382	0.8	475	910	0.52	
	273	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	807	35	28	10	282	0.12	97	379	0.8	475	910	0.52	
AHU-10	274	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	768	35	27	10	269	0.12	92	361	0.8	450	760	0.59	
	208	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	760	35	27	10	266	0.12	91	357	0.8	445	760	0.59	
	210	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	833	35	29	10	292	0.12	100	392	0.8	490	910	0.54	
	212	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	795	35	28	10	278	0.12	95	374	0.8	465	910	0.51	
AHU-11	214	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	739	35	26	10	259	0.12	89	347	0.8	435	760	0.57	
	224	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	763	35	27	10	267	0.12	92	359	0.8	450	760	0.59	
	226	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	811	35	28	10	284	0.12	97	381	0.8	475	910	0.52	
	228	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	808	35	28	10	283	0.12	97	380	0.8	475	910	0.52	
AHU-12	230	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	766	35	27	10	268	0.12	92	360	0.8	450	760	0.59	
	235	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	1204	35	42	10	421	0.12	144	566	0.8	705	1300	0.54	
	235S	STORAGE	STORAGE ROOMS	189	0	0	0	0	0.12	23	23	0.8	30	100	0.30	
	239	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	1055	35	37	10	369	0.12	127	496	0.8	620	1060	0.58	
AHU-13	241	STORAGE	STORAGE ROOMS	686	0	0	0	0	0.12	82	82	0.8	105	680	0.15	
	234	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	1150	35	40	10	403	0.12	138	541	0.8	675	1150	0.59	
	236	STORAGE	STORAGE ROOMS	169	0	0	0	0	0.12	20	20	0.8	25	100	0.25	
	238	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	1029	35	36	10	360	0.12	123	484	0.8	605	1060	0.57	
DOAS-1	240	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	793	35	28	10	278	0.12	95	373	0.8	465	910	0.51	
	142	CHORAL	MUSIC/THEATER/DANCE	2644	35	93	10	925	0.08	159	1084	0.8	1355	1355	1.00	
	143	BAND	MUSIC/THEATER/DANCE	1291	35	45	10	452	0.08	77	529	0.8	660	660	1.00	
	143A	MUSIC STORAGE	STORAGE ROOMS	410	0	0	0	0	0.12	49	49	0.8	60	60	1.00	
LIBRARY AHU	223	LIBRARY	LIBRARIES	2516	10	25	5	126	0.12	302	428	0.8	535	2700	0.20	
	223-2	OFFICE	OFFICE SPACES	115	5	1	5	3	0.06	7	10	0.8	10	120	0.08	
	223-3	COMPUTER LOUNGE	CLASSROOMS (AGE 9 PLUS)	350	35	12	10	123	0.12	42	165	0.8	205	440	0.47	
	223-4	MAKER SPACE	CLASSROOMS (AGE 9 PLUS)	324	35	11	10	113	0.12	39	152	0.8	190	420	0.45	
	223S1	STUDY POD	LIBRARIES	73	10	1	5	4	0.12	9	12	0.8	15	80		