MECHANICAL VENTILATION SCHEDULE

GENERAL					PER 2020 MCNYS CHAPTER 4									
ROOM NUMBER	ROOM NAME	ROOM AREA (SF)	CEILING HEIGHT (IN)	ROOM VOLUME (CF)	OCCUPANCY	OCCUPANT LOAD/ 1,000 SF	# OF OCCUPANTS	REQUIRED CFM/ OCCUPANT	REQUIRED CFM/SF	REQUIRED EXHAUST CFM/SF	BREATHING ZONE OUTDOOR AIRFLOW	ZONE DISTRIBUTION EFFECTIVENESS	MIN. OA CFM	ACTUAL OA CFM
LOWER LEVEL														
101	CLASSROOM	733	108.0	6,597	CLASSROOMS (AGES 9 PLUS)	35	26	10	0.12	0	348	0.9	387	390
102	CLASSROOM	741	108.0	6,669	CLASSROOMS (AGES 9 PLUS)	35	26	10	0.12	0	349	0.9	388	390
103	CLASSROOM	756	108.0	6,804	CLASSROOMS (AGES 9 PLUS)	35	27	10	0.12	0	361	0.9	401	405
104	CLASSROOM	867	108.0	7,803	CLASSROOMS (AGES 9 PLUS)	35	31	10	0.12	0	414	0.9	460	460
105	CLASSROOM	755	108.0	6,795	CLASSROOMS (AGES 9 PLUS)	35	27	10	0.12	0	361	0.9	401	405
106	CLASSROOM	754	108.0	6,786	CLASSROOMS (AGES 9 PLUS)	35	27	10	0.12	0	360	0.9	400	400
107	CLASSROOM	843	108.0	7,587	CLASSROOMS (AGES 9 PLUS)	35	30	10	0.12	0	401	0.9	446	450
108	CLASSROOM	757	108.0	6,813	CLASSROOMS (AGES 9 PLUS)	35	27	10	0.12	0	361	0.9	401	405
109	CLASSROOM	755	108.0	6,795	CLASSROOMS (AGES 9 PLUS)	35	27	10	0.12	0	361	0.9	401	405
110	SCIENCE	843	108.0	7,587	SCIENCE LABORATORIES	25	22	10	0.18	1	372	0.9	413	415
111	CLASSROOM	757	108.0	6,813	CLASSROOMS (AGES 9 PLUS)	35	27	10	0.12	0	361	0.9	401	405
112	CLASSROOM	737	108.0	6,633	CLASSROOMS (AGES 9 PLUS)	35	26	10	0.12	0	348	0.9	387	390
113	CLASSROOM	734	108.0	6,606	CLASSROOMS (AGES 9 PLUS)	35	26	10	0.12	0	348	0.9	387	390
114	TECHNOLOGY	1,394	108.0	12,546	CLASSROOMS (AGES 9 PLUS)	35	49	10	0.12	0	657	0.9	730	730
117	CLASSROOM	1,343	108.0	12,087	COMPUTER LAB	25	34	10	0.12	0	501	0.9	557	560
118	CLASSROOM	163	108.0	1,467	CLASSROOMS (AGES 9 PLUS)	35	6	10	0.12	0	80	0.9	89	90
119	CLASSROOM	252	108.0	2,268	CLASSROOMS (AGES 9 PLUS)	35	9	10	0.12	0	120	0.9	133	135
LL19	TEMPORARY CLASSROOM	845	108.0	7,605	CLASSROOMS (AGES 9 PLUS)	35	30	10	0.12	0	401	0.9	446	450
LL21	TEMPORARY CLASSROOM	1,241	108.0	11,169	CLASSROOMS (AGES 9 PLUS)	35	44	10	0.12	0	589	0.9	654	655
MAIN LEVEL														
200	CLASSROOM	134	108.0	1,206	CLASSROOMS (AGES 9 PLUS)	35	5	10	0.12	0	66	0.9	73	75
201	CLASSROOM	733	108.0	6,597	CLASSROOMS (AGES 9 PLUS)	35	26	10	0.12	0	348	0.9	387	390
202	CLASSROOM	741	108.0	6,669	CLASSROOMS (AGES 9 PLUS)	35	26	10	0.12	0	349	0.9	388	390
203	CLASSROOM	756	108.0	6,804	CLASSROOMS (AGES 9 PLUS)	35	27	10	0.12	0	361	0.9	401	405
204	CLASSROOM	867	108.0	7,803	CLASSROOMS (AGES 9 PLUS)	35	31	10	0.12	0	414	0.9	460	460
205	CLASSROOM	755	108.0	6,795	CLASSROOMS (AGES 9 PLUS)	35	27	10	0.12	0	361	0.9	401	405
206	CLASSROOM	754	108.0	6,786	CLASSROOMS (AGES 9 PLUS)	35	27	10	0.12	0	360	0.9	400	400
207	CLASSROOM	843	108.0	7,587	CLASSROOMS (AGES 9 PLUS)	35	30	10	0.12	0	401	0.9	446	450
208	CLASSROOM	757	108.0	6,813	CLASSROOMS (AGES 9 PLUS)	35	27	10	0.12	0	361	0.9	401	405
209	CLASSROOM	755	108.0	6,795	CLASSROOMS (AGES 9 PLUS)	35	27	10	0.12	0	361	0.9	401	405
210	CLASSROOM	843	108.0	7,587	CLASSROOMS (AGES 9 PLUS)	35	30	10	0.12	0	401	0.9	446	450
211	CLASSROOM	757	108.0	6,813	CLASSROOMS (AGES 9 PLUS)	35	27	10	0.12	0	361	0.9	401	405
212	CLASSROOM	737	108.0	6,633	CLASSROOMS (AGES 9 PLUS)	35	26	10	0.12	0	348	0.9	387	390
213	CLASSROOM	733	108.0	6,597	CLASSROOMS (AGES 9 PLUS)	35	26	10	0.12	0	348	0.9	387	390
213A	CLASSROOM	180	108.0	1,620	CLASSROOMS (AGES 9 PLUS)	35	7	10	0.12	0	92	0.9	102	105
214A	COMP. LAB	749	108.0	6,741	COMPUTER LAB	25	19	10	0.12	0	280	0.9	311	315
214B	COMP. LAB	640	108.0	5,760	COMPUTER LAB	25	16	10	0.12	0	237	0.9	263	265
217	ART	1,121	108.0	10,089	ART CLASSROOM	20	23	10	0.18	0.7	432	0.9	480	480
218	CLASSROOM	161	108.0	1,449	CLASSROOMS (AGES 9 PLUS)	35	6	10	0.12	0	79	0.9	88	90
219	CLASSROOM	260	108.0	2,340	CLASSROOMS (AGES 9 PLUS)	35	10	10	0.12	0	131	0.9	146	150
1	CLASSROOM	764	108.0	6,876	CLASSROOMS (AGES 9 PLUS)	35	27	10	0.12	0	362	0.8	453	455
2	CLASSROOM	764	108.0	6,876	CLASSROOMS (AGES 9 PLUS)	35	27	10	0.12	0	362	0.8	453	455
3	CLASSROOM	766	108.0	6,894	CLASSROOMS (AGES 9 PLUS)	35	27	10	0.12	0	362	0.8	453	455
4	CLASSROOM	765	108.0	6,885	CLASSROOMS (AGES 9 PLUS)	35	27	10	0.12	0	362	0.8	453	455
5	CLASSROOM	767	108.0	6,903	CLASSROOMS (AGES 9 PLUS)	35	27	10	0.12	0	362	0.8	453	455
6	CLASSROOM	767	108.0	6,903	CLASSROOMS (AGES 9 PLUS)	35	27	10	0.12	0	362	0.8	453	455
7	CLASSROOM	767	108.0	6,903	CLASSROOMS (AGES 9 PLUS)	35	27	10	0.12	0	362	0.8	453	455
8	MAIN OFFICE	720	108.0	6,480	OFFICE SPACES	5	4	5	0.06	0	63	0.8	79	80
9	CLASSROOM	771	108.0	6,939	CLASSROOMS (AGES 9 PLUS)	35	27	10	0.12	0	363	0.8	454	455
10	CLASSROOM	769	108.0	6,921	CLASSROOMS (AGES 9 PLUS)	35	27	10	0.12	0	362	0.8	453	455
11	CLASSROOM	903	108.0	8,127	CLASSROOMS (AGES 9 PLUS)	35	32	10	0.12	0	428	0.8	535	535
12	CLASSROOM	1,000	108.0	9,000	CLASSROOMS (AGES 9 PLUS)	35	35	10	0.12	0	470	0.8	588	590
14	CLASSROOM	987	108.0	8,883	CLASSROOMS (AGES 9 PLUS)	35	35	10	0.12	0	468	0.8	585	585
15	CLASSROOM	791	108.0	7,119	CLASSROOMS (AGES 9 PLUS)	35	28	10	0.12	0	375	0.8	469	470
16	CLASSROOM	495	108.0	4,455	CLASSROOMS (AGES 9 PLUS)	35	18	10	0.12	0	239	0.8	299	300
17	ORCHESTRA	1,157	108.0	10,413	MUSIC/THEATER/DANCE	35	41	10	0.06	0	479	0.9	532	535
18	CLASSROOM	658	108.0	5,922	CLASSROOMS (AGES 9 PLUS)	35	24	10	0.12	0	319	0.9	354	355
20	CAFETERIA	2,946	240.0	58,920	MULTIUSE ASSEMBLY	100	295	7.5	0.06	0	2389	1.0	2389	2390
23	CLASSROOM	552	108.0	4,968	CLASSROOMS (AGES 9 PLUS)	35	20	10	0.12	0	266	0.9	296	300
21	KITCHEN	458	108.0	4,122	KITCHENS (COOKING)	20	10	7.5	0.12	0.7	130	0.8	163	165
30	GYMNASIUM	8436	108.0	75,924	GYMNASIUM	7	60	20	0.18	0	2718	0.8	3398	3400

No.	Date	Revisions
3	09-14-23	BIDDING DOCUMENTS
2	06-09-23	SED ADDENDUM #1
1	12-28-22	BIDDING DOCUMENTS

REG. EXP. DATE: 04-30-24

Drawn by MEP
Checked by PV
Project No. 42054
Scale NTS
Date 09-14-23

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Drawing Title
MECHANICAL SCHEDULES - 3

Drawing No.
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