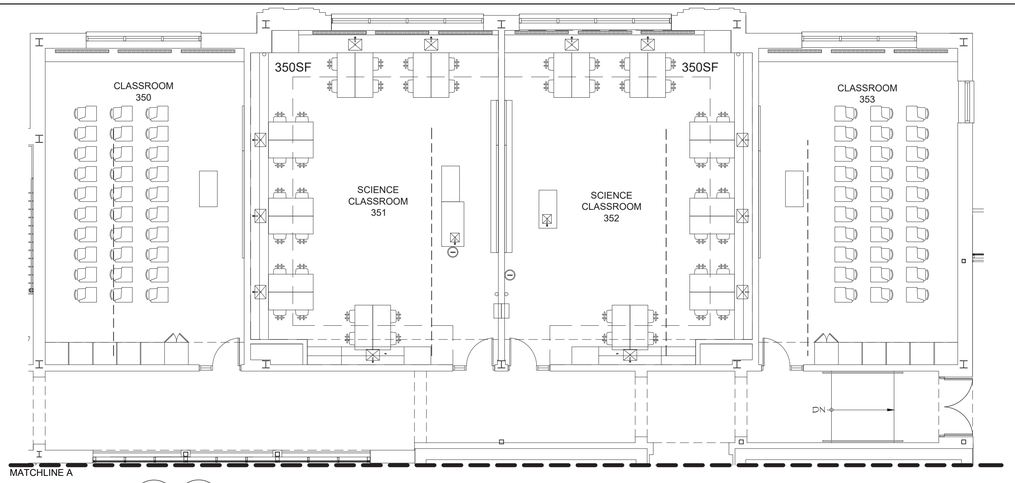
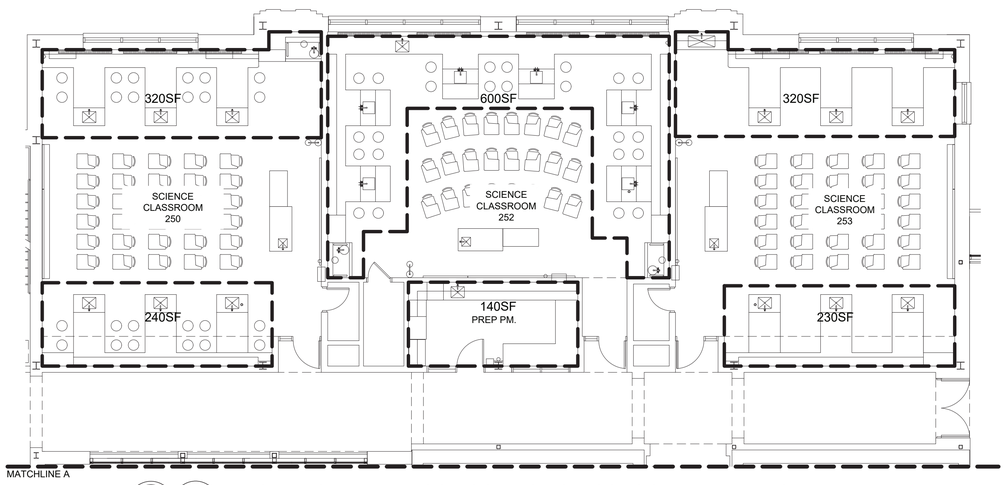
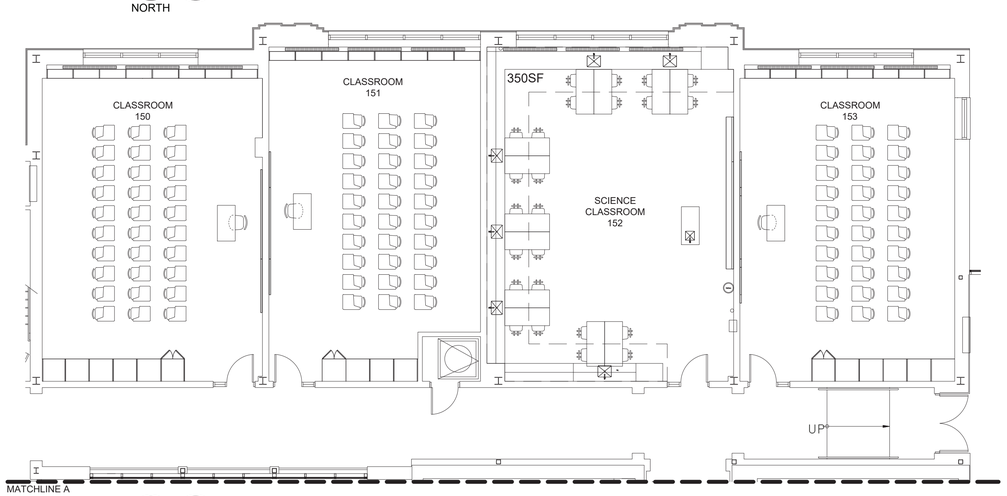


3 MECHANICAL 3RD FLOOR SCIENCE CLASSROOM VENTILATION
SCALE: 1/8" = 1'-0"
NORTH



2 MECHANICAL 2ND FLOOR SCIENCE CLASSROOM VENTILATION
SCALE: 1/8" = 1'-0"
NORTH



1 MECHANICAL 1ST FLOOR SCIENCE CLASSROOM VENTILATION
SCALE: 1/8" = 1'-0"
NORTH

Ventilation Index - DOAS-1 & DOAS-2 Classrooms

Served By	Room No.	Room Name	Area (sq.ft.)	Occupancy Type Category	Occupancy Type Type	Code Pers./1000 sq.ft.	Code No. of Occ.	Code OA CFM / Pers.	Code OA CFM / sq.ft.	Code Dist Effective	Code EA CFM / sq.ft.	Lab Area SF	Code EA CFM	Design EA CFM	Design SA CFM	Design SA CFM / sq.ft.	Design OA % w/o Div.	Design OA CFM	Code OA CFM	Code OA CFM / sq.ft.
DOAS-1	150	CLASSROOM	850	Education	Classroom	25	21	10	0.18	1.0	-	-	-	365.0	365.0	0.4	100%	365	363	0.43
DOAS-1	151	CLASSROOM	950	Education	Classroom	25	23	10	0.18	1.0	-	-	-	415.0	415.0	0.4	100%	415	401	0.42
DOAS-1	152	CLASSROOM	1040	Education	Science	25	26	10	0.18	1.0	1.0	350.0	350.0	450.0	450.0	0.4	100%	450	447	0.43
DOAS-1	153	CLASSROOM	870	Education	Classroom	25	21	10	0.18	1.0	-	-	-	370.0	370.0	0.4	100%	370	367	0.42
DOAS-1	250	CLASSROOM	1120	Education	Science	25	28	10	0.18	1.0	1.0	560.0	560.0	700.0	700.0	0.6	100%	700	482	0.43
DOAS-2	252	CLASSROOM	1090	Education	Science	25	27	10	0.18	1.0	1.0	600.0	600.0	700.0	700.0	0.6	100%	700	466	0.43
DOAS-2	251	PREP ROOM	140	Education	Science	25	3	10	0.18	1.0	1.0	140.0	140.0	250.0	250.0	1.8	100%	250	55	0.39
DOAS-1	253	CLASSROOM	1150	Education	Science	25	28	10	0.18	1.0	1.0	550.0	550.0	700.0	700.0	0.6	100%	700	487	0.42
DOAS-2	350	CLASSROOM	800	Education	Classroom	25	20	10	0.18	1.0	-	-	-	350.0	350.0	0.4	100%	350	344	0.43
DOAS-2	351	CLASSROOM	1020	Education	Science	25	25	10	0.18	1.0	1.0	350.0	350.0	450.0	450.0	0.4	100%	450	434	0.43
DOAS-2	352	CLASSROOM	1020	Education	Science	25	25	10	0.18	1.0	1.0	350.0	350.0	450.0	450.0	0.4	100%	450	434	0.43
DOAS-2	353	CLASSROOM	800	Education	Classroom	25	20	10	0.18	1.0	-	-	-	350.0	350.0	0.4	100%	350	344	0.43

Ventilation Index - DOAS-3, DOAS-4, DOAS-5 OLD Classrooms

Served By	Room No.	Room Name	Area (sq.ft.)	Occupancy Type Category	Occupancy Type Type	Code Pers./1000 sq.ft.	Code No. of Occ.	Code OA CFM / Pers.	Code OA CFM / sq.ft.	Distribution Effectivne	Design SA CFM	Design SA CFM / sq.ft.	EA CFM	Design OA % w/o Div.	Design OA CFM	Code OA CFM	Code OA CFM / sq.ft.
DOAS-3	112	CLASSROOM	690	Education	Classroom	35	25	10	0.12	1.0	350.0	0.5	350.0	100%	350	333	0.48
DOAS-3	113	CLASSROOM	715	Education	Classroom	35	26	10	0.12	1.0	350.0	0.5	350.0	100%	350	346	0.48
DOAS-4	202	CLASSROOM	630	Education	Classroom	35	23	10	0.12	1.0	310.0	0.5	310.0	100%	310	306	0.49
DOAS-4	202B	CLASSROOM	380	Education	Classroom	35	14	10	0.12	1.0	200.0	0.5	200.0	100%	200	186	0.49
DOAS-4	203	CLASSROOM	540	Education	Classroom	35	19	10	0.12	1.0	260.0	0.5	260.0	100%	260	255	0.47
DOAS-4	203A	CLASSROOM	700	Education	Classroom	35	25	10	0.12	1.0	350.0	0.5	350.0	100%	350	334	0.48
DOAS-4	204	CLASSROOM	525	Education	Classroom	35	19	10	0.12	1.0	260.0	0.5	260.0	100%	260	253	0.48
DOAS-5	210	CLASSROOM	455	Education	Classroom	35	16	10	0.12	1.0	230.0	0.5	230.0	100%	230	215	0.47
DOAS-5	211	CLASSROOM	665	Education	Classroom	35	24	10	0.12	1.0	350.0	0.5	350.0	100%	350	320	0.48
DOAS-5	212	CLASSROOM	580	Education	Classroom	35	21	10	0.12	1.0	300.0	0.5	300.0	100%	300	280	0.48
DOAS-5	205	CLASSROOM	275	Education	Classroom	35	10	10	0.12	1.0	150.0	0.5	150.0	100%	150	133	0.48
DOAS-3	206	CLASSROOM	715	Education	Classroom	35	26	10	0.12	1.0	350.0	0.5	350.0	100%	350	346	0.48
DOAS-3	207	CLASSROOM	560	Education	Classroom	35	20	10	0.12	1.0	270.0	0.5	270.0	100%	270	267	0.48
DOAS-3	208	CLASSROOM	680	Education	Classroom	35	24	10	0.12	1.0	325.0	0.5	325.0	100%	325	322	0.47
DOAS-3	209	CLASSROOM	660	Education	Classroom	35	24	10	0.12	1.0	325.0	0.5	325.0	100%	325	319	0.48
DOAS-4	301	CLASSROOM	315	Education	Classroom	35	12	10	0.12	1.0	170.0	0.5	170.0	100%	170	158	0.50
DOAS-4	302	CLASSROOM	380	Education	Classroom	35	14	10	0.12	1.0	200.0	0.5	200.0	100%	200	186	0.49
DOAS-4	303	CLASSROOM	900	Education	Classroom	35	32	10	0.12	1.0	450.0	0.5	450.0	100%	450	428	0.48
DOAS-4	304	CLASSROOM	500	Education	Classroom	35	18	10	0.12	1.0	250.0	0.5	250.0	100%	250	240	0.48
DOAS-5	312	CLASSROOM	500	Education	Classroom	35	18	10	0.12	1.0	250.0	0.5	250.0	100%	250	240	0.48
DOAS-5	313	CLASSROOM	700	Education	Classroom	35	25	10	0.12	1.0	350.0	0.5	350.0	100%	350	334	0.48
DOAS-5	314	CLASSROOM	380	Education	Classroom	35	14	10	0.12	1.0	200.0	0.5	200.0	100%	200	186	0.49
DOAS-5	309	CLASSROOM	715	Education	Classroom	35	26	10	0.12	1.0	350.0	0.5	350.0	100%	350	346	0.48
DOAS-3	308	CLASSROOM	780	Education	Classroom	35	28	10	0.12	1.0	375.0	0.5	375.0	100%	375	374	0.48
DOAS-3	310	CLASSROOM	490	Education	Classroom	35	18	10	0.12	1.0	250.0	0.5	250.0	100%	250	239	0.49

Ventilation Index - DOAS-6 Cafeteria

Served By	Room No.	Room Name	Area (sq.ft.)	Occupancy Type Category	Occupancy Type Type	Code Pers./1000 sq.ft.	Code No. of Occ.	Code OA CFM / Pers.	Code OA CFM / sq.ft.	Distribution Effectivne	Design SA CFM	Design SA CFM / sq.ft.	EA CFM	Design OA % w/o Div.	Design OA CFM	Code OA CFM	Code OA CFM / sq.ft.

Ventilation Index - RTU-1 Library

Served By	Room No.	Room Name	Area (sq.ft.)	Occupancy Type Category	Occupancy Type Type	Code Pers./1000 sq.ft.	Code No. of Occ.	Code OA CFM / Pers.	Code OA CFM / sq.ft.	Distribution Effectivne	Design SA CFM	Design SA CFM / sq.ft.	EA CFM	Design OA % w/o Div.	Design OA CFM	Code OA CFM	Code OA CFM / sq.ft.
RTU-1		LIBRARY	3,124	PUBLIC S	Libraries	10	31	5.0	0.12	0.8	3,000.0	1.0	0.0	25%	736	664	0.21
RTU-1		MEDIA	495	EDUCATIO	Media	25	12	10.0	0.12	0.8	1,000.0	2.0	0.0	25%	245	229	0.46
RTU-1		CORRIDOR	265	PUBLIC S	Corridor	0	0	0.0	0.06	0.8	300.0	1.1	0.0	25%	74	20	0.08

Ventilation Index - RTU-2 Offices & Vestibule

Served By	Room No.	Room Name	Area (sq.ft.)	Occupancy Type Category	Occupancy Type Type	Code Pers./1000 sq.ft.	Code No. of Occ.	Code OA CFM / Pers.	Code OA CFM / sq.ft.	Distribution Effectivne	Design SA CFM	Design SA CFM / sq.ft.	EA CFM	Design OA % w/o Div.	Design OA CFM	Code OA CFM	Code OA CFM / sq.ft.
RTU-2		OFFICE	98	OFFICE	Office	5	0	5.0	0.06	0.8	125.0	1.3	0.0	13%	16	10	0.11
RTU-2		OFFICE	137	OFFICE	Office	5	1	5.0	0.06	0.8	150.0	1.1	0.0	13%	20	15	0.11
RTU-2		OFFICE	135	OFFICE	Office	5	1	5.0	0.06	0.8	150.0	1.1	0.0	13%	20	14	0.11
RTU-2		OFFICE	115	OFFICE	Office	5	1	5.0	0.06	0.8	125.0	1.1	0.0	13%	16	12	0.11
RTU-2		OFFICE	135	OFFICE	Office	5	1	5.0	0.06	0.8	150.0	1.1	0.0	13%	20	14	0.11

TUCKAHOE MIDDLE/HIGH SCHOOL ALTERATIONS

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EASTCHESTER, N. Y. 10709

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KG+D . ARCHITECTS PC
285 MAIN STREET MOUNT KISCO . NEW YORK . 10549
P:914.666.5900 KGDARCHITECTS.COM

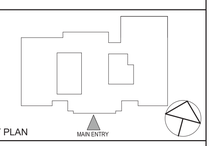
OLA Consulting Engineers
50 Broadway,
Hawthorne, NY 10532
914.747.2800

8 West 38th Street,
Suite 501
New York, NY 10018
646.849.4110

olace.com

NY SED PROJECT CONTROL NO.
66-03-02-03-0-002-024

CONSTRUCTION DOCUMENTS



KEY PLAN

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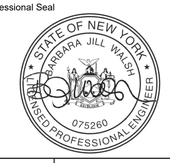

No.	Date	Issue
1	03/31/2022	ISSUED FOR BID

Sheet Title

VENTILATION SCHEDULES

Job No.	Date
NKGD0239.00	09/10/2021
Scale: AS NOTED	Drawn / Checked: NW / RS

Sheet Number

M603