

NEW COMMUNITY
SCHOOL AT THE
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CONSTRUCTION BOARD
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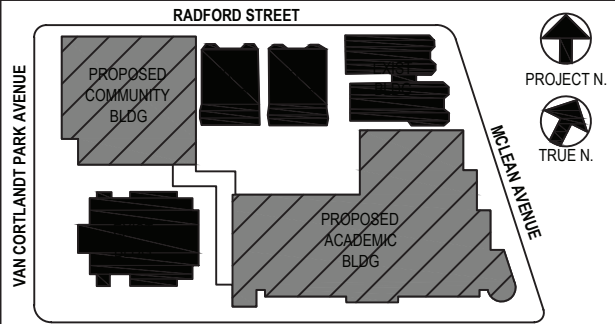
NY SED PROJECT CONTROL NO.
66-23-00-01-0-346-001

CONSTRUCTION DOCUMENTS



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Professional Seal

4	11/01/2021	ISSUED TO BID
3	07/14/2021	CONSTRUCTION DOCS-NYSED
2	12/15/2020	DESIGN DEVELOPMENT
1	08/31/2020	SCHEMATIC DESIGN
No.	Date	Issue

SCHEDULES

Job No. 2019-1026 Date 11/18/20

Scale AS NOTED Drawn / Checked BG/BSGA

Sheet Number

H402

ACADEMIC BUILDING THIRD FLOOR - SCHEDULE OF MINIMUM VENTILATION ROOM FLOW RATES

ROOM NAME/NUMBER	OCCUPANCY CATEGORY	A ROOM AREA (SQ.FT.)	B PEOPLE DENSITY (#/1000 SQ.FT.) / # OF FIXTURES	C PEOPLE OUTDOOR AIR FLOW RATE (CFM/PERSON)	D AREA OUTDOOR AIR FLOW RATE IN BREATHING ZONE (CFM/SQ.FT.)	E EXHAUST AIR FLOW RATE (CFM/SQ.FT.)	F NUMBER OF PEOPLE (A+B)*1000=#P	G OUTDOOR AIR FLOW RATE WITHOUT ZONE EFFECTIVENESS FACTOR (F+C)*(A+D)=CFM	H ZONE AIR DISTRIBUTION EFFECTIVENESS FACTOR	I MINIMUM ROOM VENTILATION AIR FLOW RATE G+H=CFM	MINIMUM EXHAUST AIR FLOW RATE A+E=CFM
4th Grade Classroom- 2 301	CLASSROOM (AGES 9+)	805	35	10	0.12	0	29	387	0.8	483	0
4th Grade Classroom- 1 302	CLASSROOM (AGES 9+)	810	35	10	0.12	0	29	387	0.8	484	0
SGI 303	OFFICE SPACE	275	5	5	0.06	0	2	27	0.8	33	0
Janitor's Closet 303a	JANITOR CLOSETS, TRASH ROOMS, RECYCLING	30	0	0	0	1	0	0	0.8	0	30
3rd Grade Classroom- 1 304	CLASSROOM (AGES 9+)	790	35	10	0.12	0	28	375	0.8	469	0
3rd Grade Classroom- 2 305	CLASSROOM (AGES 9+)	820	35	10	0.12	0	29	388	0.8	486	0
3rd Grade Classroom- 3 306	CLASSROOM (AGES 9+)	855	35	10	0.12	0	30	403	0.8	503	0
Mech 307	WOOD/METAL SHOP	450	20	10	0.18	0.5	9	171	0.8	214	225
Data 307a	COMPUTER LAB	65	25	10	0.12	0	2	28	0.8	35	0
Girls Toilet 308	CELL W/ TOILET	210	25	5	0.12	1	6	55	0.8	69	210
Boys Toilet 309	CELL W/ TOILET	215	25	5	0.12	1	6	56	0.8	70	215
5th Grade Classroom- 2 310	CLASSROOM (AGES 9+)	790	35	10	0.12	0	28	375	0.8	469	0
5th Grade Classroom- 3 311	CLASSROOM (AGES 9+)	845	35	10	0.12	0	30	401	0.8	502	0
Office 312	OFFICE SPACE	110	5	5	0.06	0	1	12	0.8	15	0
SGI 313	OFFICE SPACE	440	5	5	0.06	0	3	41	0.8	52	0
Art 314	ART CLASSROOM	1020	20	10	0.18	0.7	21	394	0.8	492	714
Storage 314a	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	90	2	5	0.06	0	1	10	0.8	13	0
Kim 314b	ART CLASSROOM	50	20	10	0.18	0.7	1	19	0.8	24	35
SGI/Collab 315	OFFICE SPACE	300	5	5	0.06	0	2	28	0.8	35	0
Vestibule 316	LOBBIES/PREFUNCTION	80	30	7.5	0.06	0	3	27	0.8	34	0
Counseling 316a	OFFICE SPACE	155	5	5	0.06	0	1	14	0.8	18	0
Counseling 316b	OFFICE SPACE	110	5	5	0.06	0	1	12	0.8	15	0
Counseling 316c	OFFICE SPACE	150	5	5	0.06	0	1	14	0.8	18	0
5th Grade Classroom- 1 317	CLASSROOM (AGES 9+)	795	35	10	0.12	0	28	375	0.8	469	0
4th Grade Classroom- 3 318	CLASSROOM (AGES 9+)	805	35	10	0.12	0	29	387	0.8	483	0
Music 319	MUSIC/THEATRE/DANCE	990	35	10	0.06	0	35	409	0.8	512	0
Vestibule 319a	LOBBIES/PREFUNCTION	65	30	7.5	0.06	0	2	19	0.8	24	0
Music Storage 319b	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	105	2	5	0.06	0	1	11	0.8	14	0
Vestibule 319c	LOBBIES/PREFUNCTION	55	30	7.5	0.06	0	2	18	0.8	23	0
Toilet 320	CELL W/ TOILET	65	25	5	0.12	1	2	18	0.8	22	65
Toilet 321	CELL W/ TOILET	65	25	5	0.12	1	2	18	0.8	22	65
Corridor C301	CORRIDORS	2029	0	0	0.06	0	0	122	0.8	152	0
Corridor C302	CORRIDORS	435	0	0	0.06	0	0	26	0.8	33	0

ACADEMIC BUILDING FOURTH FLOOR - SCHEDULE OF MINIMUM VENTILATION ROOM FLOW RATES

ROOM NAME/NUMBER	OCCUPANCY CATEGORY	A ROOM AREA (SQ.FT.)	B PEOPLE DENSITY (#/1000 SQ.FT.) / # OF FIXTURES	C PEOPLE OUTDOOR AIR FLOW RATE (CFM/PERSON)	D AREA OUTDOOR AIR FLOW RATE IN BREATHING ZONE (CFM/SQ.FT.)	E EXHAUST AIR FLOW RATE (CFM/SQ.FT.)	F NUMBER OF PEOPLE (A+B)*1000=#P	G OUTDOOR AIR FLOW RATE WITHOUT ZONE EFFECTIVENESS FACTOR (F+C)*(A+D)=CFM	H ZONE AIR DISTRIBUTION EFFECTIVENESS FACTOR	I MINIMUM ROOM VENTILATION AIR FLOW RATE G+H=CFM	MINIMUM EXHAUST AIR FLOW RATE A+E=CFM
6-8 Grade Classroom- 5 401	CLASSROOM (AGES 9+)	775	35	10	0.12	0	28	373	0.8	466	0
6-8 Grade Classroom- 4 402	CLASSROOM (AGES 9+)	775	35	10	0.12	0	28	373	0.8	466	0
Storage 402a	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	100	2	5	0.06	0	1	11	0.8	14	0
SGI 403	OFFICE SPACE	200	5	5	0.06	0	1	17	0.8	21	0
6-8 Grade Classroom- 1 404	CLASSROOM (AGES 9+)	770	35	10	0.12	0	27	362	0.8	453	0
6-8 Grade Classroom- 2 405	CLASSROOM (AGES 9+)	780	35	10	0.12	0	28	374	0.8	467	0
6-8 Grade Classroom- 3 406	CLASSROOM (AGES 9+)	830	35	10	0.12	0	30	400	0.8	500	0
Mech 407	WOOD/METAL SHOP	440	20	10	0.18	0.5	9	169	0.8	212	220
Data 407a	COMPUTER LAB	65	25	10	0.12	0	2	28	0.8	35	0
Girls Toilet 408	CELL W/ TOILET	200	25	5	0.12	1	5	49	0.8	61	200
Boys Toilet 409	CELL W/ TOILET	205	25	5	0.12	1	6	55	0.8	68	205
6-8 Grade Classroom- 9 410	CLASSROOM (AGES 9+)	780	35	10	0.12	0	28	374	0.8	467	0
6-8 Grade Classroom- 10 411	CLASSROOM (AGES 9+)	835	35	10	0.12	0	30	400	0.8	500	0
Office 412	OFFICE SPACE	110	5	5	0.06	0	1	12	0.8	15	0
OTPT 413	DAYCARE SICKROOM	435	25	10	0.18	0	11	188	0.8	235	0
Science 414	SCIENCE LABORATORIES	940	25	10	0.18	1	24	409	0.8	512	940
Prep 414a	SCIENCE LABORATORIES	150	25	10	0.18	1	4	67	0.8	84	150
SGI/Collab 415	OFFICE SPACE	300	5	5	0.06	0	2	28	0.8	35	0
Speech 416	CLASSROOM (AGES 9+)	495	35	10	0.12	0	18	239	0.8	289	0
6-8 Grade Classroom- 8 417	CLASSROOM (AGES 9+)	770	35	10	0.12	0	27	362	0.8	453	0
6-8 Grade Classroom- 7 418	CLASSROOM (AGES 9+)	770	35	10	0.12	0	27	362	0.8	453	0
Special Education 419	CLASSROOM (AGES 9+)	770	35	10	0.12	0	27	362	0.8	453	0
Toilet 419a	CELL W/ TOILET	55	25	5	0.12	1	2	17	0.8	21	55
Special Ed. Resource 420	CLASSROOM (AGES 9+)	360	35	10	0.12	0	13	173	0.8	217	0
Toilet 421	CELL W/ TOILET	60	25	5	0.12	1	2	17	0.8	22	60
Janitor's Closet 422	JANITOR CLOSETS, TRASH ROOMS, RECYCLING	35	0	0	0	1	0	0	0.8	0	35
Toilet 423	CELL W/ TOILET	55	25	5	0.12	1	2	17	0.8	21	55
Corridor C401	CORRIDORS	2785	0	0	0.06	0	0	167	0.8	209	0

ACADEMIC BUILDING BASEMENT - SCHEDULE OF MINIMUM VENTILATION ROOM FLOW RATES

ROOM NAME/NUMBER	OCCUPANCY CATEGORY	A ROOM AREA (SQ.FT.)	B PEOPLE DENSITY (#/1000 SQ.FT.) / # OF FIXTURES	C PEOPLE OUTDOOR AIR FLOW RATE (CFM/PERSON)	D AREA OUTDOOR AIR FLOW RATE IN BREATHING ZONE (CFM/SQ.FT.)	E EXHAUST AIR FLOW RATE (CFM/SQ.FT.)	F NUMBER OF PEOPLE (A+B)*1000=#P	G OUTDOOR AIR FLOW RATE WITHOUT ZONE EFFECTIVENESS FACTOR (F+C)*(A+D)=CFM	H ZONE AIR DISTRIBUTION EFFECTIVENESS FACTOR	I MINIMUM ROOM VENTILATION AIR FLOW RATE G+H=CFM	MINIMUM EXHAUST AIR FLOW RATE A+E=CFM
Fire Pump B01	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	280	2	5	0.06	0	1	22	0.8	27	0
Storage B02	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	305	2	5	0.06	0	1	23	0.8	29	0
Copy B03	COMPUTER LAB	295	25	10	0.12	0	8	115	0.8	144	0
Generator B07	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	700	2	5	0.06	0	2	52	0.8	65	0
Electric B08	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	395	2	5	0.06	0	1	29	0.8	36	0
Mechanical Room B09	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	965	2	5	0.06	0	2	68	0.8	85	0
Storage B10	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	400	2	5	0.06	0	1	29	0.8	36	0
Corridor CB01	CORRIDORS	580	0	0	0.06	0	0	35	0.8	44	0
Corridor CB02	CORRIDORS	255	0	0	0.06	0	0	15	0.8	19	0

BEFORE FABRICATION THIS CONTRACTOR SHALL
VERIFY ALL MEASUREMENTS AND CONDITIONS ON
JOB AND COORDINATE HIS WORK WITH THE WORK
OF ALL OTHER CONTRACTORS