

**Commonwealth of Massachusetts
DEPARTMENT OF EDUCATION
School Building Assistance
Middle/High School Educational Specifications**

Date: 3/23/2006 **Version #:** 2.0

School District: Manchester Essex Regional School District

School Name: Manchester Essex Regional Middle/High School

Completed by: Daniel R. Quaille AIA, MVG Architects, Inc. - 20 Cabot Road, Woburn, MA 01801 (781) 937-9720

Type of Project: New School for 750 Students Addition of 0 Seats & Core Renovation of 0 Spaces
Acquisition/Renovation of 0 Seats & Related Core Facilities 750

ENROLLMENT INFORMATION

Grades	Current Enrollments as of 2004	Grades	Projected Enrollments as of 2014
6	104	6	107
7	91	7	107
8	90	8	107
9	106	9	107
10	95	10	107
11	99	11	107
12	93	12	108
TOTAL	678		750

In order to determine the teaching station for the projected enrollment, the following information is needed to complete the Tables in this form.

- A) Subjects offered through project.
- B) Projected students in each class: the total number of students who will be taking each subject.
- C) Class size: the maximum proposed class size for each project.
- D) Sections: the number of sections of each course needed to serve the projected enrollment. Divide the total projected enrollment by the class size.
- E) Sessions per week: the number of times the class meets each week (usually 3 or 5).
- F) Periods per week: the number of periods each day times 5.
- G) Teaching stations required for program: multiply the number of sections by the sessions per week that each subject is

TABLE A - SPACE NEEDS SUMMARY

Total columns H, I, K, & N from Table I for all regular classroom curriculum including only those business and science courses that do NOT require specialized spaces; total all specialized teaching stations needed for basic educational use; then total all miscellaneous educational space and fill out the table below.

Teaching Station	# Needed	Sq .Ft. Area	# Available	Sq. Ft. Area	# New Stations Needed	Sq. Ft. Area
GENERAL CLASSROOMS						
HS English	6	4,200	0	0	6	4,200
HS Social Studies	5	3,500	0	0	5	3,500
HS Foreign Language	3	2,100	0	0	3	2,100
HS Math	4	2,800	0	0	4	2,800
Marketing Management Classroom	1	700	0	0	1	700
MS Classrooms (E, SS, M, FL)	12	10,800	0	0	12	10,800
Subtotal General Instruction:	31	24,100	0	0	31	24,100
SPECIALIZED TEACHING STATIONS						
HS Science Lab	4	5,000	0	0	4	5,000
HS Science Prep Rooms/Chem. St.	4	650	0	0	4	650
MS Science Lab	3	3,300	0	0	3	3,300
MS Science Prep Rooms	3	450	0	0	3	450
HS Technology Education Lab	1	1,200	0	0	1	1,200
HS Computer Sciences	1	900	0	0	1	900
HS Art (2D/3D)	2	2,800	0	0	2	2,800
HS Art - Graphic Design	1	1,200	0	0	1	1,200
HS Art - Kiln	1	200	0	0	1	200
HS Music - Band	1	1,600	0	0	1	1,600
HS Music - Choral	1	1,400	0	0	1	1,400
HS Music-MIDI Lab	1	400	0	0	1	400
HS Music-Practice Rooms	2	160	0	0	2	160
HS Music-Ensemble Room	2	320	0	0	2	320
Auditorium	0	8,400	0	0	0	8,400
Lecture Hall (100 Seats)	0	2,000	0	0	0	2,000
HS/MS Phy. Ed. Gymnasium	1	10,000	0	0	1	10,000

Fitness Center (Weights and Circuit)	1	1,200	0	0	1	1,200
Wellness Center / OT-PT	1	1,200	0	0	1	1,200
Library	1	5,950	0	0	1	5,950
Distance Learning	1	1,200	0	0	1	1,200
HS SPED Classroom	1	700	0	0	1	700
HS SPED Small Group	3	1,050	0	0	3	1,050
HS/MS Testing / Reading	1	350	0	0	1	350
MS SPED Classrooms	1	900	0	0	1	900
MS SPED Small Group	2	700	0	0	2	700
Subtotal Specialized Teaching Space:	40	53,230	0	0	38	53,230

TABLE B - MISCELLANEOUS EDUCATIONAL SPACE

Station/Space	Sq. Ft. Required	-	Sq. Ft. Available	=	New Area Needed	Comments
HS PE Locker Rooms	2,000	-	0	=	2,000	
HS Large & Small Team Rooms	1,600	-	0	=	1,600	
MS Locker Rooms	1,600	-	0	=	1,600	
P.E. Offices, AD, Trainer & Storage	2,800	-	0	=	2,800	
Administration	2,890	-	0	=	2,890	
Health Services	1,450	-	0	=	1,450	
HS Guidance	1,725	-	0	=	1,725	
MS Guidance	675	-	0	=	675	
SPED Offices, Conference, Storage	1,050	-	0	=	1,050	
HS Cafeteria	4,800	-	0	=	4,800	Seatings: 3
Kitchen	1,750	-	0	=	1,750	
Faculty Dining	800	-	0	=	800	
Building Custodial & Maintenance	5,480		0		5,480	
HS English Support	675	-	0	=	675	
HS Social Studies Support	675	-	0	=	675	
HS Foreign Language Support	675	-	0	=	675	
HS Math Support	675	-	0	=	675	
HS Tech. Ed. Support	150	-	0	=	150	
HS Computer Science Support	500	-	0	=	500	
HS Art Support / Storage	450	-	0	=	450	
HS Music Storage / Support	750	-	0	=	750	
MS Teacher Workrooms	1,200	-	0	=	1,200	
Central Administration	2,125		0	=	2,125	
Subtotal Miscellaneous Space	36,495	-	0	=	36,495	

OTHER SPACE (Non-Educational): 45,530 Sq.Ft.

TABLE C - SUMMARY OF SPACES FOR MAXIMUM CONSTRUCTION COST ALLOWANCE

Table C Summarizes the square footage of the educational program space in Tables A and B to determine the maximum allowable cost for the proposed school project.

TABLE C Description of Space	(I) New Construction		(II) Renovated Space		(III) Total Planned Space	
	Sq.Ft.	%	Sq.Ft.	%	Sq.Ft.	%
1. Basic Educational	77,330	49%	0	0%	77,330	49%
2. Miscellaneous Educational	36,495	23%	0	0%	36,495	23%
3. SUBTOTAL (Basic+Misc.)	113,825	71%	0	0%	113,825	71%
4. Other Space	45,530	29%	0	0%	45,530	29%
5. TOTAL Gross (Educational+Other)	159,355	100%	0	0%	159,355	100%

TABLE D - MAXIMUM ALLOWABLE SQUARE FOOTAGE

The allowable square feet per pupil as provided for in the School Building Assistance Regs is 115 for elementary schools. The following other spaces may be approved in excess of this base and should be included in the table above.

Special Needs: (Yellow)	4,750	Sq.Ft	Collaboratives: (Yellow)		Sq.Ft
TBE: (Blue)		Sq.Ft	Community: (Red)	19,665	Sq.Ft
Remedial: (Green)	2,925	Sq.Ft	Technology: (Orange)	18,420	Sq.Ft
			(614 Computer Stations x 30 sq. ft.)		

Total Allowable Square Feet in Excess of Base 45,760 Sq.Ft

TABLE E - MAXIMUM ALLOWABLE CONSTRUCTION COST

The cost allowed per square foot for new school construction is published in the regulations and updated annually. Renovation costs vary widely depending on the age and overall condition of the existing schoolhouse and be reviewed on an individual basis by DOE staff prior to recommendation to the Board for approval.

Projected Enrollment	x	Sq. ft. allowance	+	Total Approved Excess (Table D)	=	Maximum Gross Sq. Ft.
1. <u>320</u>	x	135	+	<u>19,677</u>	=	<u>62,877</u> Sq.Ft. Middle
2. <u>430</u>	x	155	+	<u>26,083</u>	=	<u>92,733</u> Sq.Ft. High
					=	<u>155,610</u> Sq.Ft. Total
Allowable Cost per Sq.Ft.	x			Gross Sq.Ft.	=	Maximum Allowable Cost
3. (Middle)	x			Sq.Ft.	=	New
					=	Sub-Total
4.	x			Sq.Ft.	=	New
						TOTAL
5. FFE						
\$16.00 (Middle)	x			Sq.Ft.	=	FF&E
(High)	x			Sq.Ft.	=	FF&E
						FF&E Total
						Grand Total

In order to determine the number of NEW teaching stations needed for projected enrollments, the following information is needed:
Use the worksheet following these instruction in order to complete Summary Tables A-C.

1) After you determine the total number of teaching stations required, subtract the number of teaching stations currently available from the teaching stations required to support your educational program, to determine the number of new stations that will

2) Determine the net area of each station, both new and existing (proposed renovations). Include storage space:

Subtotal the net basic educational space, the net miscellaneous space and the gross square footage; these figures will be used in the space computations on the last page and are necessary to evaluate the efficiency of the structure.

The following column designations and calculations will determine the net educational space to be renovated and/or newly constructed:

A	B	C	D	E	F	G	H	I	J	K	L	M	N
Subject	Projected Students per Class	Class Size	Sections	Sessions per Week	Total Sessions	Periods per Week	Total Stations Required	Stations Available	Sq.Ft. each Station	Total Area Available	New Stations Required	Sq.Ft. each Station	Total Area New

Calculations

Step 1: Sections

$$\frac{B}{C} = D$$

Step2: Total Sessions

$$D \times E = F$$

Step 3: Stations Required

$$\frac{F}{G} = H$$

Step 4: New Stations Needed

$$H - I = L$$

Step 5: Total Area Available

$$I \times J = K$$

Step 6: Total New Area to be built

$$L \times M = N$$

TABLE I - BASIC EDUCATIONAL SPACE FOR PROGRAM PLANNING WORKSHEET

A	B	C	D	E	F	G	H	I	J	K	L	M	N
Subject	Projected Students per Class	Class Size	Sections	Sessions per Week	Total Sessions	Periods per Week	Total Stations Required	Stations Available	Sq.Ft. each Station	Total Area Available	New Stations Required	Sq.Ft. each Station	Total Area New
ENGLISH													
English 9 H	53	20	3	5	13	35	0.38	-	-	-	0.38	700	
English 9 CP	65	20	3	5	16	36	0.45	-	-	-	0.45	700	
English 9 Basic	3	5	1	5	3	35	0.09	-	-	-	0.09	700	
English 10 H	40	20	2	5	10	35	0.29	-	-	-	0.29	700	
English 10 CP	63	20	3	5	16	35	0.45	-	-	-	0.45	700	
English 10 Prep (Res Rm)	-	5	0					-	-	-			
English 11 AP	23	20	1	5	6	35	0.16	-	-	-	0.16	700	
English 11 H	29	20	1	5	7	36	0.20	-	-	-	0.20	700	
English 11 CP	50	20	3	5	13	35	0.36	-	-	-	0.36	700	
English 12 Basic	1	5	0	5	1	35	0.03	-	-	-	0.03	700	
English 12 AP	37	20	2	5	9	35	0.26	-	-	-	0.26	700	
English 12 H	30	20	2	5	8	35	0.21	-	-	-	0.21	700	
English 12 CP	33	20	2	5	8	35	0.24	-	-	-	0.24	700	
IS / Script Writing	101	20	5	5	25	35	0.72	-	-	-	0.72	700	
Creative Writing CP/G	15	20	1	5	4	35	0.11	-	-	-	0.11	700	
Journalism H	28	20	1	5	7	35	0.20	-	-	-	0.20	700	
Ind St. Creative Writing CP	3				0						0.00		
Rhetoric & Argument	36	20	2	5	9	35	0.26	-	-	-	0.26	700	
Lincoln-Douglas Debate H	41	20	2	5	10	35	0.29	-	-	-	0.29	700	
Speech & Forensics	17	20	1	5	4	35	0.12	-	-	-	0.12	700	
							Subtotal	-	-	-	4.82	700	
					Efficiency @	85%	5.67	0		0	6	700	4,200
English Dept Workroom (8 Teachers)								0	425	0	1	425	425
English Dept Storage								0	250	0	1	250	250

Subtotal 4,875

TABLE I - BASIC EDUCATIONAL SPACE FOR PROGRAM PLANNING WORKSHEET

A	B	C	D	E	F	G	H	I	J	K	L	M	N
Subject	Projected Students per Class	Class Size	Sections	Sessions per Week	Total Sessions	Periods per Week	Total Stations Required	Stations Available	Sq.Ft. each Station	Total Area Available	New Stations Required	Sq.Ft. each Station	Total Area New
SOCIAL STUDIES													
World History II H	64	20	3	5	16	35	0.46	-	-	-	0.46	700	
World History II CP	45	20	2	5	11	35	0.32	-	-	-	0.32	700	
US History I H	68	20	3	5	17	35	0.49	-	-	-	0.49	700	
US History I CP	36	20	2	5	9	35	0.26	-	-	-	0.26	700	
US History II AP	23	20	1	5	6	35	0.16	-	-	-	0.16	700	
US History II H	38	20	2	5	10	35	0.27	-	-	-	0.27	700	
US History II CP	45	20	2	5	11	35	0.32	-	-	-	0.32	700	
Psychology AP	14	20	1	5	4	35	0.10	-	-	-	0.10	700	
Psychology H	7	20	0	5	2	35	0.05	-	-	-	0.05	700	
Psychology CP II	92	20	5	5	23	35	0.66	-	-	-	0.66	700	
European History AP	19	20	1	5	5	35	0.14	-	-	-	0.14	700	
Global Issues H	17	20	1	5	4	35	0.12	-	-	-	0.12	700	
Global Issues CP	5	20	0	5	1	35	0.04	-	-	-	0.04	700	
History Through Film H	17	20	1	5	4	35	0.12	-	-	-	0.12	700	
History Through Film CP	11	20	1	5	3	35	0.08	-	-	-	0.08	700	
Art History - (Future)													
Humanities Elective (Future)													
							Subtotal	-	-	-	3.58	700	
						Efficiency @ 85%	4.12				5	700	3,500
Social Studies Workroom (6 Teachers)							1	0	425	0	1	425	425
Social Studies Dept Storage							1	0	250	0	1	250	250

Subtotal 4,175

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A	B	C	D	E	F	G	H	I	J	K	L	M	N	
Subject	Projected Students per Class	Class Size	Sections	Sessions per Week	Total Sessions	Periods per Week	Total Stations Required	Stations Available	Sq.Ft. each Station	Total Area Available	New Stations Required	Sq.Ft. each Station	Total Area New	
FOREIGN LANGUAGE														
French I CP	7	20	0	5	2	35	0.05	-	0	-	0.05	700		
French II H	26	20	1	5	7	35	0.19	-	0	-	0.19	700		
French II CP	8	20	0	5	2	35	0.06	-	0	-	0.06	700		
French III H	14	20	1	5	4	35	0.10	-	0	-	0.10	700		
French III CP	8	20	0	5	2	35	0.06	-	0	-	0.06	700		
French IV AP	5	20	0	5	1	35	0.04	-	0	-	0.04	700		
French IV H	5	20	0	5	1	35	0.04	-	0	-	0.04	700		
French IV CP	1	20	0	5	0	35	0.01	-	0	-	0.01	700		
French V AP	8	20	0	5	2	35	0.06	-	0	-	0.06	700		
French V H	4	20	0	5	1	35	0.03	-	0	-	0.03	700		
Spanish I CP	19	20	1	5	5	35	0.14	-	0	-	0.14	700		
Spanish II H	40	20	2	5	10	35	0.29	-	0	-	0.29	700		
Spanish II CP	45	20	2	5	11	35	0.32	-	0	-	0.32	700		
Spanish III H	31	20	2	5	8	35	0.22	-	0	-	0.22	700		
Spanish III CP	29	20	1	5	7	35	0.21	-	0	-	0.21	700		
Spanish IV AP	13	20	1	5	3	35	0.09	-	0	-	0.09	700		
Spanish IV H	21	20	1	3	3	35	0.08	-	0	-	0.08	700		
Spanish IV CP	11	20	1	3	2	35	0.05	-	0	-	0.05	700		
Spanish V H	9	20	0	2	1	35	0.03	-	0	-	0.03	700		
Spanish V CP	2	20	0	2	0	35	0.01	-	0	-	0.01	700		
Spanish Literature AP	14	20	1	2	1	35	0.04	-	0	-	0.04	700		
							Subtotal				2.07	700		
					Efficiency @	85%	2.44				3	700	2,100	
Foreign Lang Dept Workroom (7 Teachers)									0	425	0	1	425	425
Foreign Lang Dept Storage									0	250	0	1	250	250

Subtotal 2,775

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A	B	C	D	E	F	G	H	I	J	K	L	M	N
Subject	Projected Students per Class	Class Size	Sections	Sessions per Week	Total Sessions	Periods per Week	Total Stations Required	Stations Available	Sq.Ft. each Station	Total Area Available	New Stations Required	Sq.Ft. each Station	Total Area New
MATHEMATICS													
Algebra I H	27	20	1	5	7	35	0.19	-	-	-	0.19	700	
Algebra I CP	41	20	2	6	12	36	0.34	-	-	-	0.34	700	
Algebra II H	61	20	3	6	18	36	0.51	-	-	-	0.51	700	
Algebra II CP	45	20	2	6	14	36	0.38	-	-	-	0.38	700	
MCAS Strategies CP	16	8	2	5	10	35	0.29	-	-	-	0.29	700	
Geometry H	83	20	4	5	21	35	0.59	-	-	-	0.59	700	
Geometry CP	39	20	2	5	10	35	0.28	-	-	-	0.28	700	
Pre Calculus CP	6	20	0	5	2	35	0.04	-	-	-	0.04	700	
Pre Calculus H	41	20	2	6	12	36	0.34	-	-	-	0.34	700	
College Algebra / TrigCP	21	20	1	5	5	35	0.15	-	-	-	0.15	700	
Probability & Statistics	25	20	1	5	6	35	0.18	-	-	-	0.18	700	
Ind. St. AP Statistics	1												
							Subtotal				3.29	700	
					Efficiency @	85%	3.87	0	800	0	4	700	2,800
Math Dept Workroom (7 Teachers)								0	425	0	1	425	425
Math Dept Storage								0	250	0	1	250	250

Subtotal 3,475

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A	B	C	D	E	F	G	H	I	J	K	L	M	N
Subject	Projected Students per Class	Class Size	Sections	Sessions per Week	Total Sessions	Periods per Week	Total Stations Required	Stations Available	Sq.Ft. each Station	Total Area Available	New Stations Required	Sq.Ft. each Station	Total Area New
SCIENCE													
Design Technology	16	24	1	5	3	35	0.10	-	-	-	0.10	1,250	
Intro Physics & Chem H	54	24	2	5	11	35	0.32	-	-	-	0.32	1,250	
Intro Physics & Chem CP	49	24	2	5	10	35	0.29	-	-	-	0.29	1,250	
Biology H	54	24	2	5	11	35	0.32	-	-	-	0.32	1,250	
Biology CP	45	24	2	5	9	35	0.27	-	-	-	0.27	1,250	
Biology AP	12	24	1	5	3	35	0.07	-	-	-	0.07	1,250	
Chemistry H	75	24	3	5	16	35	0.45	-	-	-	0.45	1,250	
Chemistry CP	34	24	1	5	7	35	0.20	-	-	-	0.20	1,250	
Physics AP	24	24	1	5	5	35	0.14	-	-	-	0.14	1,250	
Physics H	39	24	2	5	8	35	0.23	-	-	-	0.23	1,250	
Physic CP	18	24	1	5	4	35	0.11	-	-	-	0.11	1,250	
Comparative Anatomy H	5	24	0	5	1	35	0.03	-	-	-	0.03	1,250	
Comparative Anatomy CP	4	24	0	5	1	35	0.02	-	-	-	0.02	1,250	
Environmental Science AP	11	24	0	5	2	35	0.07	-	-	-	0.07	1,250	
Auth Sci Research II H	3	24	0	5	1	35	0.02	-	-	-	0.02	1,250	
Auth Sci Research III H	4	24	0	5	1	35	0.02	-	-	-	0.02	1,250	
Ind. St. Environ. Sci	1												
							Subtotal	-	-	-	2.66	1,250	
					Efficiency @	75%	3.42	0	0	0	4	1,250	5,000
Prep Rooms								0	150	0	4	150	600
Chemical Storage								0	50	0	1	50	50
Science Dept Workroom											Shared w/ Math Department		
												Subtotal	5,650

TABLE I - BASIC EDUCATIONAL SPACE FOR PROGRAM PLANNING WORKSHEET

A	B	C	D	E	F	G	H	I	J	K	L	M	N
Subject	Projected Students per Class	Class Size	Sections	Sessions per Week	Total Sessions	Periods per Week	Total Stations Required	Stations Available	Sq.Ft. each Station	Total Area Available	New Stations Required	Sq.Ft. each Station	Total Area New
ART													
Ceramics I (G)	1	20	0	5	0	35	0.01	-	-	-	0.01	1,400	
Ceramics I CP	26	20	1	5	7	35	0.19	-	-	-	0.19	1,400	
Ceramics II CP	10	20	1	5	3	35	0.07	-	-	-	0.07	1,400	
							Subtotal	-	-	-	0.26	1,400	
					Efficiency @	75%	0.35	-	1400	0	1	1,400	1,400
Art Foundations CP	28	20	1	5	7	35	0.20	-	-	-	0.20	1,400	
Drawing (G)	1	20	0	5	0	35	0.01	-	-	-	0.01	1,400	
Drawing CP	11	20	1	5	3	35	0.08	-	-	-	0.08	1,400	
Portfolio II H	-	20	0	5	0	35	-	-	-	-	0.00	0	
Portfolio II CP	1	20	0	5	0	35	0.01	-	-	-	0.01	0	
Portfolio I CP	2	20	0	5	1	35	0.01	-	-	-	0.01	0	
							Subtotal	-	-	-	0.31	1,400	
					Efficiency @	75%	0.41	0	1400	0	1	1,400	1,400
Graphic Design CP	18	20	1	5.0	5	35	0.13	-	-	-	1	1,200	1,200
Video Production CP	14	20	1	5.0	4	35	0.10	-	-	-	1	0	0
2D Art Storage								0	100	0	1	100	100
3D Art Storage								0	100	0	1	100	100
Computer Graphics Storage								0	100	0	1	100	100
Kiln								0	200	0	1	200	200
Art Department Workroom								0	150	0	1	150	150

Subtotal 4,650

TABLE I - BASIC EDUCATIONAL SPACE FOR PROGRAM PLANNING WORKSHEET

A	B	C	D	E	F	G	H	I	J	K	L	M	N
Subject	Projected Students per Class	Class Size	Sections	Sessions per Week	Total Sessions	Periods per Week	Total Stations Required	Stations Available	Sq.Ft. each Station	Total Area Available	New Stations Required	Sq.Ft. each Station	Total Area New

AUDITORIUM

Auditorium - 500 Seat								-	5,000	-	1	5,000	5,000
Lobby Foyer								-	750	-	1	750	750
Stage								-	1,600	-	1	1,600	1,600
Theatrical Storage										-	1	200	200
Dressing Rooms / Toilets										-	2	200	400
Coat Room										-	1	150	150
Control Room										-	1	200	200
Ticket Booth										-	1	100	100

Subtotal 8,400

LECTURE

Lecture Hall (100 Seats)							1	0	2,000	0	1	2,000	2,000

Subtotal 2,000

TABLE I - BASIC EDUCATIONAL SPACE FOR PROGRAM PLANNING WORKSHEET

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LIBRARY													
Circulation / Reading Rm. *							1	0	0	0	1	4,500	4,500
Librarian's Office							1	0	0	0	1	150	150
Media Prep / Work Rm.							1	0	0	0	1	400	400
A.V. Equip. Distrib. / Stor.							1	0	0	0	1	400	400
A.V. Edit / Periodical Stor.							1	0	0	0	1	150	150
Head End Room							1	0	0	0	1	350	350
												5,950	5,950
Distance Learning							1	0	0	0	1	1,200	1,200

* Reading Rm = 15% x 750 x 40sf = 4,500sf

Subtotal 7,150

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ADMINISTRATION

Principal							1	0	0	0	1	200	200
HS Dean of Students							1	0	0	0	1	175	175
MS Dean of Students							1	0	0	0	1	175	175
HS Waiting Room							1	0	0	0	1	150	150
MS Waiting Room							1	0	0	0	1	150	150
Secretary							1	0	0	0	1	800	800
Attendance Office							1	0	0	0	1	125	125
Conference							1	0	0	0	1	400	400
Conference							1	0	0	0	1	200	200
Copy / Work Room							1	0	0	0	1	200	200
Faculty Mailboxes							1	0	0	0	1	75	75
Storage							1	0	0	0	1	150	150
Vault							1	0	0	0	1	90	90
												Subtotal	2,890

HEALTH SERVICES

HS Waiting Area							1	0	0	0	1	150	150
MS Waiting Area							1	0	0	0	1	150	150
Nurse Office							1	0	0	0	1	150	150
Exam Room							1	0	0	0	1	150	150
HS Sick Room							1	0	0	0	1	400	400
MS Sick Room							1	0	0	0	1	300	300
Toilets							2	0	0	0	2	50	100
Storage							1	0	0	0	1	50	50
												Subtotal	1,450

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GUIDANCE

HIGH SCHOOL													
Secretary / Office							1	0	0	0	1	300	300
Workroom							1	0	0	0	1	100	100
Conference Room							1	0	0	0	1	300	300
Library / Career Center / Waiting							1	0	0	0	1	400	400
Guidance Director							1	0	0	0	1	150	150
Guidance Career Counselor							2	0	0	0	2	125	250
Adjustment Counselor							1	0	0	0	1	125	125
Storage							1	0	0	0	1	100	100
												1,600	1,725
MIDDLE SCHOOL													
Secretary / Office							1	0	0	0	1	250	250
Workroom							1	0	0	0	1	100	100
Conference Room							1	0	0	0	1	200	200
Guidance Career Counselor							1	0	0	0	1	125	125
												675	675

Subtotal 2,400

SPECIAL EDUCATION

HS Special Ed. Classrooms							1	0	0	0	1	700	700
HS Small Group							3	0	0	0	3	350	1,050
HS/MSTesting / Reading							1	0	0	0	1	350	350
HS SPED Counselor Office							2	0	0	0	2	125	250
MS Special Ed. Classrooms							1	0	0	0	1	900	900
MS Small Group							2	0	0	0	2	350	700
MS SPED Counselor Office							2	0	0	0	2	125	250
SPED Department Chair Office							1	0	0	0	1	150	150
SPED Conference Room							1	0	0	0	1	200	200
SPED Storage							1	0	0	0	1	200	200

Subtotal 4,750

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FOOD SERVICE

Kitchen / Serving							1	0	0	0	1	1,750	1,750
HS/MS Cafeteria							1	0	0	0	1	4,800	4,800
MS/HS Faculty Dining							1	0	0	0	1	800	800

Subtotal 7,350

BUILDING CUSTODIAL & MAINTENANCE

Cust. & Maint. Office							1	0	0	0	1	200	200
Locker / Toilet Room							2	0	0	0	2	150	300
Receiving							1	0	0	0	1	400	400
Outside Equipment Storage													
Maint. Storage / Workroom							1	0	0	0	1	800	800
General Storage							4	0	0	0	4	300	1,200
Boiler Room								0	0	0	1	1,200	1,200
Electrical Closets								0	0	0	8	80	640
IDF Rooms								0	0	0	8	80	640
Sprinkler Room								0	0	0	1	100	100

Subtotal 5,480

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MIDDLE SCHOOL ACADEMIC PROGRAM														
6th English	107	20	5	5	27	35	0.76	0	900	0	1.00	900		
6th Social Studies	107	20	5	5	27	36	0.74	0	900	0	1.00	900		
6th Math	107	20	5	5	27	35	0.76	0	900	0	1.00	900		
6th Foreign Language	107	20	5	5	27	35	0.76	0	900	0	1.00	900		
7th English	107	20	5	5	27	35	0.76	0	900	0	1.00	900		
7th Social Studies	107	20	5	5	27	35	0.76	0	900	0	1.00	900		
7th Math	107	20	5	5	27	36	0.74	0	900	0	1.00	900		
7th Foreign Language	107	20	5	5	27	35	0.76	0	900	0	1.00	900		
8th English	107	20	5	5	27	35	0.76	0	900	0	1.00	900		
8th Social Studies	107	20	5	5	27	35	0.76	0	900	0	1.00	900		
8th Math	107	20	5	5	27	35	0.76	0	900	0	1.00	900		
8th Foreign Language	107	20	5	5	27	35	0.76	0	900	0	1.00	900		
								Subtotal	0	900	0	12	900	10,800
6th Science	107	20	5	5	27	35	0.76	0	1100	0	1	1,100		
7th Science	107	20	5	5	27	35	0.76	0	1100	0	1	1,100		
8th Science	107	20	5	5	27	35	0.76	0	1100	0	1	1,100		
								Subtotal	0	1100	0	3	1,100	3,300
Prep Rooms							3.00	0	150	0	3	150	450	
MS Art	321	20	16	1	16	35	0.46	0	1400	0	Use HS Art Rooms			
MS Music - Choral	160	20	8	1	8	35	0.23	0	1400	0	0.23	1,400		
MS Music - Band	160	20	8	1	8	35	0.23	0	1400	0	0.23	1,400		
								Subtotal	0	1400	0	Use HS Band and Choral Rooms		

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MIDDLE SCHOOL SUPPORT SPACES

6th Grade Teacher Workroom								0	400	0	1	400	400
7th Grade Teacher Workroom								0	400	0	1	400	400
8th Grade Teacher Workroom								0	400	0	1	400	400
								Subtotal	0	1200	0	1	1200

CENTRAL ADMINISTRATION

Superintendent's Office								0	200	0	1	200	200
Assit. Superintendent's Office								0	175	0	1	175	175
Business Director								0	150	0	1	150	150
Special Education Director								0	150	0	1	150	150
Technology Director								0	150	0	1	150	150
Intinerant Office								1	150	0	1		
Secretary / Reception								0	600	0	1	600	600
Conference Room								1	300	0	1	300	300
Storage / Vault								1	200	0	1	200	200
Copy/ Workroom								1	200	0	1	200	200
								Subtotal	0	2275	0	1	2125

Manchester / Essex MS/HS Technology Exemptions

	<u>#</u>		<u>Computers/</u>		<u>#</u>
	<u>Rooms</u>		<u>Room</u>		<u>Computers</u>
High School Program					
HS Classrooms	18	x	7	=	126
HS Science	4	x	7	=	28
HS Science-Prep	4	x	2	=	8
MS Classrooms	12	x	7	=	84
MS Science	3	x	7	=	21
MS Science-Prep	3	x	2	=	6
Tech. Studies - CAD Lab	1	x	24	=	24
HS Computer Science Lab	1	x	24	=	24
Marketing Management CR	1	x	6	=	6
Network Administrator Office	1	x	2	=	2
HS Art - 2d/3d	2	x	7	=	14
HS Art - Comp. Graphics	1	x	30	=	30
HS Art - Digital Photo Lab	1	x	6	=	6
MS Art	1	x	7	=	7
HS Music - Band & Choral	2	x	7	=	14
Music-MIDI Lab	1	x	6	=	6
MS Music	1	x	7	=	7
Control Booth	1	x	2	=	2
Lecture Halls	1	x	2	=	2
PE Offices	2	x	1	=	2
Coache's Offices	2	x	1	=	2
Trainer	1	x	1	=	1
Athletic Director	1	x	2	=	2
Library / Media Center	1	x	30	=	30
Librarian Office	1	x	1	=	1
Library Workroom	1	x	2	=	2
Distance Learning	1	x	24	=	24
Administration	1	x	10	=	10
Health Services	1	x	2	=	2
MS Health Suite	1	x	2	=	2
HS Guidance	1	x	12	=	12
MS Guidance	1	x	8	=	8
SPED- Classroom	2	x	4	=	8
SPED- Small Group	5	x	2	=	10
SPED - Testing / Reading	1	x	2	=	2
SPED Director & Offices	5	x	1	=	5
Kitchen	1	x	1	=	1
Custodial Office	1	x	2	=	2
Maintenance Director	1	x	1	=	1
HS Teacher Planning	1	x	40	=	40
MS Teacher Planning	1	x	30	=	30
			Total		614 computers
				x	30 sf / computer
					18,420 sf exemption