SECTION 3.1 PROPOSED EDUCATIONAL PROGRAMS

ELEMENTARY SCHOOLS

This Master Plan explored retaining the Town's two elementary schools (Center and Pompositticut) and combining the schools into a single building. Since each building requires certain spaces such as gym, cafeteria, library, administrative spaces etc., the space programs vary depending on the number of buildings. A combined building does afford certain economies of space.

The following spread sheets summarize all of the necessary spaces that make up a school to meet Stows' elementary grades needs. This table includes the classroom spaces as well as the many spaces that are not classrooms. These include spaces such as: teachers work spaces, student support areas, storage room's conference rooms as well as spaces that serve the entire school community such as: school administration, gymnasium, library and cafeteria.

This spread sheet also compares the space needs with those provided by the existing building.

The summary of spaces are expressed in Net Educational Area. This is the usable space within the rooms. A 1.45 net to gross multiplier is applied to account for other areas of the building including: corridors, mechanical rooms, wall thicknesses, toilet rooms etc. This resulting figure is referred to as the gross building area.

For a single school solution, Scenario 3, this process has determined that Stow Elementary Schools needs approximately 70,740 square feet of net educational area compared to the current 50,605 net educational area. This results in the need for approximately 102,573 square feet of gross area compared to the current 72,775 gross area.

The two school solution, Scenario 1, for the reasons explained above would require approximately 86,160 square feet of net educational space and approximately 124,961 gross square feet. (This gross square foot number included retaining the existing café/gymnasium space at Center which was not calculated in the cost analysis in Section 4.2. There was much discussion about the proposed use for this space should it remain and it was finally determined that it would remain).

The Educational Program was developed in three charts. All assumed a PreK – 5 population of 660 students.

• **Single School at Center** shows the program requirements when all grades are consolidated under one roof. This has the efficiencies of a

single gym, cafeteria, library and administration. This program reflects Scenario 3.

- **Pompositticut School, Grades PreK 2**, for a total population of 346 students. This program is for just the PreK grade 2 students. This is similar to the current Pompositticut school with the addition of the PreK and upgraded for population increases and the appropriate educational spaces for contemporary education This program reflects the Pompo portion of Scenario 1.
- Center School, Grades 3 5, for a total population of 321 students. This program is for just the grades 3 5 students. This program is similar to the current Center School, but upgraded for population increases and the appropriate educational spaces for contemporary education. This program reflects the Center portion of Scenario 1.

HALE MIDDLE SCHOOL

This Master Plan explored the educational needs for the Hale Middle School. The largest limiter on expansion of this building is the capacity of the core spaces. During the last renovation and addition, the cafeteria was made smaller, turning some space over to offices. Any expansion of the school will require the reversing of that space.

Similar to the elementary school populations, the projections vary depending on when they were done. The most recent in December of 2006, reflect the housing slow down as discussed for the elementary grades.

The current population for grades 6 through 8 is 252 students. This is expected to rise to 300 to 378 students in approximately five years. The ten year projections show an enrollment of 300 - 350 students. An increase from the current enrollment but a decline from the peak enrollment.

The most logical location for a classroom addition, if required, would be at the north end of the current classroom wing. This would require extending the corridor through the science room and recreating the proper sized science room. The addition would be 2 story and could be 2 or 4 classrooms per floor, based on the classroom need. This could result in an additional 4 or 8 classrooms.

The short term solution would be to relocate the 4 temporary classrooms from the Pompositticut School to the Middle School once the Center School project is completed. Following the completion of the Center School project, the Hale school population project should be revisited to determine the long term educational needs.

HIGH SCHOOL

This Master Plan did not explore the High School. The Town of Stow is a member of the Nashoba Regional School district and the high school is located in Bolton.

PROGRAM INADEQUACIES

We have compared the size of existing program spaces with the needs identified in the Summary of Spaces. All spaces that are under the program area requirements are colored on the floor plans, (attached within this section).

MSBA COMPLIANCE / VARIATION

In May of 2006, the MSBA published Draft Regulations and in early September final regulations were promulgated. The work of this study was developed adhering to the new regulations, where regulations exist.

Space standards – The MSBA has not yet developed space standards for renovation projects. At the time we conducted educational programming for the schools, the space standards were not available. As agreed with the Committee, SMMA used the standards for New Construction as a guide for developing the educational program. Prior to moving forward with proposed projects, it will be necessary to work with the MSBA to determine that the space requirements are acceptable.

In areas where the existing rooms identified a minor deviation above or below the regulations, it was determined that those spaces would remain unchanged allowing the existing partitions to remain in place and minimize costs.

SINGLE SCHOOL AT CENTER

		Accur	ne 660 St	udonte	Evic	ting Com	hinad Scl	hoole	
	 ĕ	ASSUI		uuenis	EXIS		ollieu Sci	10015	
	A to	Room	Number of	Area	Room	Number of	Area		
Room Type	MSBA Prototype 660	Sq.Ft.	Rooms	Totals	Sq.Ft.	Rooms	Totals	Delta	Comments
PRE - KINDERGARTEN w/toilet		1,200	2	2,400	0	0	0		
Total Pre K	0			2,400			0	-2,400	
CORE ACADEMIC SPACES									
Typical Classrooms - Grade K full day (w/toilet)		1,200	6	7,200	varies	5	5,175	-2 025	(2) at 900, (1) at 1,025, (2) at 1,175
Typical Glassicome Grade K fall day (witolici)		1,200	Ů	7,200	variou		0,170	2,020	(1) at 680, (1) at 690, (2) at 900, (1)
Typical Classrooms - Grades 1-5, (including									at 1,133, (1) at 1,222, (1) at 1,415, (4
cubbies within the classrooms)		1,000	26	26,000	varies	24	22,653	-3,347	at 1,550, (1) at 1,883
Primary, Intermediate Book Storage		300	2	600	0	0	0	-600	
Science Classroom (Grades 3 - 5)		1,200	1	1,200	1,020	1	1,020	180	serves grades 3 - 5
Science Office					85	1	85	85	
Remedial Reading Rooms Total Core Academic	27,600	500	2	1,000 36,000	570	1	570 29,503	-430 -6,497	
Total Core Academic	27,600			36,000			29,503	-6,497	
SPECIAL EDUCATION	1								
Reg SPED - Resource Room		1,000	2	2,000		2	385	-1,615	
Book Storage		150	1	150	0	0	0		in lieu of classrooms
OT / PT Classroom		950	1	950		2	795	-155	in lieu of classrooms
ESL - English as a Second Language	1	300	1	300	0	0	0	-300	in lieu of small group
School Psychologist Office / Testing		200	1	200	0	0	0	-200	in lieu of small group
Speech Room		300	1	300	0	0	0	-300	in lieu of small group
	7,040			3,900			1,180	-2,720	
SPECIAL EDUCATION - PASS PROGRAM									
Classrooms		900	1	900	0	0	0	-900	average 8 students each
Time Out Room		100	1	100	0	0	0	-100	
Small Group Room		300	1	300	0	0	0	-300	
Adjustment Counselors Office		120	1	120	0	0	0	-120	
Total SPED	Only			1,420			0	-1,420	
PASS Program Included in this Combined School	Unity								
ART & MUSIC									
Music Classroom		1,000	1	1,000	varies	2	1,670	670	1 class in a 6 day rotation
Music Storage		200	1	200	0	0	0	-200	
Band Room (2nd music room)		0	0	0	0	0	0	0	see Dining (Platform)
Band Storage		300	1	300	0	0	0	-300	Adjacent to Dining / Platform
Art Classroom		1,000	2	2,000		2	1,460	-540	1 class in a 6 day rotation
Kiln		100	1	100	165	1	165	65	
Storage		100	1	100	0	0	0	-100	
Total Music & Art	5,000			3,700			3,295	-405	
UEAL TU A BUYGIGAL EDUGATION									
HEALTH & PHYSICAL EDUCATION									6000 SF Min Size, 2 classes in a 6
Gymnasium		6,000	1	6,000		2	6,610	610	day rotation
Gym Storage		300	1	300		2	185	-115	includes gymnastic equipment
PE / Health Instructor's Off. w/shower and tlt		150	2	300	200	1	200	-100	2nd office
Health Teacher Office		120	1	120	0	0	0	-120	Ziid dillod
Total PE	6,300			6,720			6,995	275	
	Ĺ			Ĺ			ĺ		
LIBRARY / MEDIA CENTER									
Media Center/ Reading Room		3,500	1	3,500		2	1,672		inclusive of office, workroom
Computer Lab		1,200	1	1,200		2	1,460		
Total Library / Media	3,500			4,700			3,132	-1,568	
DINING & FOOD SERVICE	!				<u> </u>				
DINING & FOOD SERVICE	ļ	0.400		0.400	4 400		4 400	4.700	AF/Oss CE Dining :: 040 -tud-::
Cafetorium (212 seat café) (3 seatings)	1	3,180	1	3,180	1,400	1	1,400	-1,780	15/Occ SF Dining x 212 students Operable wall
Platform / Band Classroom	1	1,000	1	1,000 300	0	0	210	-1,000 -90	Operable wall
Table, Chair Equipment Storage Kitchen	1	300 1,900	1	1,900	0	2	895	-1,005	
Staff Lunch Room	1	0	0	0	0	2	690	690	also used as teachers work room
Total Dining	6,680			6,380	١Ť	<u> </u>	3,195	-3,185	and and the state of the state
	1 .,			.,			-,	.,	
MEDICAL									
Medical Suite									near outdoor play area
Nurse Toilet		60	1	60		2	65	5	
Nurse Office	ļ	120	1	120	<u> </u>	2	390	270	
Waiting room	ļ	130	1	130	<u> </u>				
Resting Area	 	125	1	125	0	0	0	-125	
Examination Room	F40	100	1	100	-		455		
Total Medical Suite	510	l		535	l .	ı	455	-80	1

SECTION 3.1

	ο .	A	me 660 Stu	donto	Evi	ting Comb	inad Sab	oolo	
	, ĕ	ASSU	me 660 Stu	aents	EXI	sting Comb	inea sch	l	
	to to	Room	Number of	Area	Room	Number	Area		
Room Type	MSBA Prototype 660	Sq.Ft.	Rooms	Totals		of Rooms		Delta	Comments
ADMINISTRATION & GUIDANCE									
Administrative Suite		400		400			070		
General Office / Waiting / Secretary		400	1	400		2	370	-30	
Teachers' Mail and time room		100	1	100		2	220	120	
Copy Room / Work Room Records Room		150 110	1	150 110	0	2	190 0	40 -110	
Principal's Office w/conference		375	1	375	U	2	385	10	
Assistant Principal's Office		150	1	150	95	1	95	-55	
Conference Room		250	1	250	0	2	260	10	
Admin. Toilet		75	1	75	0	0	0	-75	
Total Administration	1,750	73		1,610	U	0	1,520	-90	
Guidance Suite	1,730			1,010			1,320	-90	
Guidance Office / Small Group		180	1	180		2	485	305	
Guidance Storeroom		0	0	0	0	0	0	0	
Total Guidance	335			180	١Ť		485	305	
Teachers' Workroom/ Lounge w/toilets	450	800	1	800	0	0	0	-800	2 rms., lounge and work
				800			0		, ,
MAINTENANCE & CUSTODIAL									
Custodian's Office		120	1	120	110	1	110	-10	
Maintenance Workshop		375	1	375	300	1	300	-75	
Outdoor Storage		300	1	300	0	0	0	-300	
Recycling Room/ Trash		300	1	300	400	1	400	100	
Receiving and General School Supply / Storage		900	1	900	35	1	35	-865	
Total Custodial	2,400			1,995			845	-1,150	
TECHNOLOGY									
Tele/DataTermination / Head End Room		200	1	200	0	0	0	-200	
Tech Storage / Repair		200	1	200	0	0	0	-200	
Total Technology	0	200	'	400	-	0	0	-400	
Total reciniology	ľ			700				-400	
Net Square Feet	61,565			70,740			50,605		
Net to Gross Multiplier use 1.45 (1.5 for MSBA)									
Gross Square Footage	92,348			102,573			72,775	actual	
OF/Demil Total Compaits	440	474							
SF/Pupil Total Capacity	146	171							
Center Program for 321 Gross Area		63,452							
POMPO Program for 346 Gross Area		61,509							
Total 2 schools		124,961							
101012 30110013		124,001							
MSBA assumes 4 Kindergarten classrooms for a									
600 student school		+ 1		1	1,200	1.45	1,740	1	
MSBA assumes 21 general classrooms for a 600									
student school		+ 5		5	1,000	1.45	7,250	1	
Pre-K				2,400					
PASS Program				1,420					
				3,820	Х	1.45	5,539		
							14,529		
Indicates space not specifically in the new MSBA guid	leline EdS _l	pecs,							
some often included in many Elem Schools				Net area		7,315	X	1.45	10,607
MSBA Guidelines for an Elementary School for 660 st	tudents:		660	Х	145	=	95,700		

POMPOSITTICUT SCHOOL

GRADES PREK-2, 346 STUDENTS

	e	Assume 346 Students			Existing Pompo School				
Room Type	MSBA Prototype 346	Room Sq.Ft.	Number of Rooms	Area Totals	Room Sq.Ft.	Number of Rooms	Area Totals	Delta	Comments
PRE - KINDERGARTEN w/toilet		1,200	2	2,400	0	0	0		
Total Pre K	0	1,200		2,400	U	U	0	-2,400	
1 Octain 1 to 10				2,100				2,700	
CORE ACADEMIC SPACES									
Typical Classrooms - Grade K full day (w/toilet)		1,200	5	6,000	varies	5	5,175	-825	(2) at 900, (1) at 1,025, (2) at 1,175
									(1) at 680, (1) at 690, (2) at 900, (1)
									at 1,133, (1) at 1,222, (1) at 1,415, (4)
Typical Classrooms - Grades 1-2		1,000	11	11,000	varies	12	11,923	923	at 1,550, (1) at 1,883
Grade Level Storage Remedial Reading Rooms		300 500	1	300 500	0 570	0	0 570	-300 70	
Total Core Academic	14.750	300		17,800	370	'	17,668	-132	
	1 1,1 0 0			,			,		
SPECIAL EDUCATION									
Reg SPED - Resource Room		1,000	1	1,000	285	1	285	-715	confirm quantity
Book Storage		150	1	150	0	0	0		in lieu of classrooms
OT / PT Classroom		950	1	950	345	1	345		in lieu of classrooms
ESL - English as a Second Language School Psychologist Office / Testing		300 200	1	300 200	0	0	0		in lieu of classrooms in lieu of classrooms
Speech Room		300	1	300	0	0	0	-300	in lieu of classrooms
Total SPED	3,520	300		2,900	- 0		630	-2,270	in lieu or oldooroomo
	0,020			_,,,,,					
NOTE - No PASS Program in this Calc.									
ART & MUSIC									
Music Classroom		1,000	1	1,000	780	1	780	-220	1 class in a 6 day rotation
Music Storage Art Classroom		1,000	1	200 1,000	0 570	0	0 570	-200 -430	1 class in a 6 day rotation
Kiln		100	1	100	0	0	0	-430	I class III a 6 day lotation
Storage		100	1	100	0	0	0	-100	
Total Music & Art	2,500			2,400			1,350	-1,050	
NOTE: K-2 = 321 students, PK 25 students = 346 s	students fo	or classr	oom planni	ng					
HEALTH & PHYSICAL EDUCATION									
HEALTH & PHYSICAL EDUCATION									6000 SF Min Size, 2 classes in a 6
Gymnasium		4,000	1	4,000	3,110	1	3,110	-890	day rotation
Gym Storage		200	1	200	40	1	40	-160	
PE / Health Instructor's Off. w/shower and tlt		150	1	150	0	0	0	-150	
Health Teacher Office		120	1	120	0	0	0	-120	
Total PE									
	6,300			4,350			3,150	-1,200	
LIDDADY / MEDIA CENTED	6,300			4,350			3,150	-1,200	
LIBRARY / MEDIA CENTER Media Center/ Reading Room	6,300	2 020	1			1	·	-1,200	inclusive of office workroom
Media Center/ Reading Room	6,300	2,020	1	2,020	782	1 1	782	-1,200	inclusive of office, workroom
Media Center/ Reading Room Computer Lab	2,020	2,020 1,200	1			1 1	·	-1,200 -1,868	inclusive of office, workroom
Media Center/ Reading Room Computer Lab Total Library / Media	,			2,020 1,200	782		782 570		inclusive of office, workroom
Media Center/ Reading Room Computer Lab Total Library / Media DINING & FOOD SERVICE	,	1,200	1	2,020 1,200 3,220	782 570	1	782 570 1,352	-1,868	
Media Center/ Reading Room Computer Lab Total Library / Media DINING & FOOD SERVICE Cafetorium (150 seat café) (2 seatings)	,	1,200 2,250	1	2,020 1,200 3,220 2,250	782 570	0	782 570 1,352	-1,868 -2,250	inclusive of office, workroom 15/Occ SF Dining
Media Center/ Reading Room Computer Lab Total Library / Media DINING & FOOD SERVICE Cafetorium (150 seat café) (2 seatings) Platform	,	2,250 1,000	1 1	2,020 1,200 3,220 2,250 1,000	782 570 0 0	0 0	782 570 1,352 0	-1,868 -2,250 -1,000	
Media Center/ Reading Room Computer Lab Total Library / Media DINING & FOOD SERVICE Cafetorium (150 seat café) (2 seatings) Platform Table, Chair Equipment Storage	,	2,250 1,000 200	1 1 1 1	2,020 1,200 3,220 2,250 1,000 200	782 570 0 0 40	0 0 1	782 570 1,352 0 0	-1,868 -2,250 -1,000 -160	15/Occ SF Dining
Media Center/ Reading Room Computer Lab Total Library / Media DINING & FOOD SERVICE Cafetorium (150 seat café) (2 seatings) Platform Table, Chair Equipment Storage Kitchen	,	2,250 1,000 200 400	1 1 1 1	2,020 1,200 3,220 2,250 1,000 200 400	782 570 0 0 40 300	0 0 1 1	782 570 1,352 0 0 40 300	-1,868 -2,250 -1,000 -160 -100	15/Occ SF Dining Warming kitchen only
Media Center/ Reading Room Computer Lab Total Library / Media DINING & FOOD SERVICE Cafetorium (150 seat café) (2 seatings) Platform Table, Chair Equipment Storage Kitchen Staff Lunch Room	2,020	2,250 1,000 200	1 1 1 1	2,020 1,200 3,220 2,250 1,000 200 400 0	782 570 0 0 40	0 0 1	782 570 1,352 0 0	-1,868 -2,250 -1,000 -160 -100 345	15/Occ SF Dining
Media Center/ Reading Room Computer Lab Total Library / Media DINING & FOOD SERVICE Cafetorium (150 seat café) (2 seatings) Platform Table, Chair Equipment Storage Kitchen Staff Lunch Room Total Dining	,	2,250 1,000 200 400	1 1 1 1	2,020 1,200 3,220 2,250 1,000 200 400	782 570 0 0 40 300	0 0 1 1	782 570 1,352 0 0 40 300 345	-1,868 -2,250 -1,000 -160 -100	15/Occ SF Dining Warming kitchen only
Media Center/ Reading Room Computer Lab Total Library / Media DINING & FOOD SERVICE Cafetorium (150 seat café) (2 seatings) Platform Table, Chair Equipment Storage Kitchen Staff Lunch Room Total Dining MEDICAL	2,020	2,250 1,000 200 400	1 1 1 1	2,020 1,200 3,220 2,250 1,000 200 400 0	782 570 0 0 40 300	0 0 1 1	782 570 1,352 0 0 40 300 345	-1,868 -2,250 -1,000 -160 -100 345	15/Occ SF Dining Warming kitchen only also used as teachers work room
Media Center/ Reading Room Computer Lab Total Library / Media DINING & FOOD SERVICE Cafetorium (150 seat café) (2 seatings) Platform Table, Chair Equipment Storage Kitchen Staff Lunch Room Total Dining MEDICAL Medical Suite	2,020	2,250 1,000 200 400 0	1 1 1 1 1 0	2,020 1,200 3,220 2,250 1,000 200 400 0 3,850	782 570 0 0 40 300 345	0 0 1 1 1 1	782 570 1,352 0 0 40 300 345 685	-2,250 -1,000 -160 -100 345 -3,165	15/Occ SF Dining Warming kitchen only
Media Center/ Reading Room Computer Lab Total Library / Media DINING & FOOD SERVICE Cafetorium (150 seat café) (2 seatings) Platform Table, Chair Equipment Storage Kitchen Staff Lunch Room Total Dining MEDICAL Medical Suite Nurse Toilet	2,020	2,250 1,000 200 400 0	1 1 1 1 1 0 0	2,020 1,200 3,220 2,250 1,000 200 400 0 3,850	782 570 0 0 40 300 345	0 0 1 1 1 1 1	782 570 1,352 0 0 40 300 345 685	-1,868 -2,250 -1,000 -160 -100 345 -3,165	15/Occ SF Dining Warming kitchen only also used as teachers work room
Media Center/ Reading Room Computer Lab Total Library / Media DINING & FOOD SERVICE Cafetorium (150 seat café) (2 seatings) Platform Table, Chair Equipment Storage Kitchen Staff Lunch Room Total Dining MEDICAL Medical Suite Nurse Toilet Nurse Office	2,020	2,250 1,000 200 400 0	1 1 1 0 0 1 1 1 1 1 1 1	2,020 1,200 3,220 2,250 1,000 200 400 0 3,850	782 570 0 0 40 300 345	0 0 1 1 1 1 1 1 1	782 570 1,352 0 0 40 300 345 685	-1,868 -2,250 -1,000 -160 -100 345 -3,165	15/Occ SF Dining Warming kitchen only also used as teachers work room
Media Center/ Reading Room Computer Lab Total Library / Media DINING & FOOD SERVICE Cafetorium (150 seat café) (2 seatings) Platform Table, Chair Equipment Storage Kitchen Staff Lunch Room Total Dining MEDICAL Medical Suite Nurse Tollet Nurse Office Waiting room	2,020	1,200 2,250 1,000 200 400 0	1 1 1 1 0 0 1 1 1 1 1 1 1 1	2,020 1,200 3,220 2,250 1,000 200 400 0 3,850 60 120 130	782 570 0 0 40 300 345 20 170 0	0 0 1 1 1 1 1 1	782 570 1,352 0 0 40 300 345 685	-1,868 -2,250 -1,000 -160 -100 345 -3,165 -40 50 -130	15/Occ SF Dining Warming kitchen only also used as teachers work room
Media Center/ Reading Room Computer Lab Total Library / Media DINING & FOOD SERVICE Cafetorium (150 seat café) (2 seatings) Platform Table, Chair Equipment Storage Kitchen Staff Lunch Room Total Dining MEDICAL Medical Suite Nurse Toilet Nurse Office	2,020	2,250 1,000 200 400 0	1 1 1 0 0 1 1 1 1 1 1 1	2,020 1,200 3,220 2,250 1,000 200 400 0 3,850	782 570 0 0 40 300 345	0 0 1 1 1 1 1 1 1	782 570 1,352 0 0 40 300 345 685	-1,868 -2,250 -1,000 -160 -100 345 -3,165	15/Occ SF Dining Warming kitchen only also used as teachers work room

SECTION 3.1

	۵	Assu	me 346 Stu	dents	Existi	ng Pompo S	School	1	
Room Type	MSBA Prototype 346	Room Sq.Ft.	Number of Rooms	Area Totals	Room Sq.Ft.	Number of Rooms	Area Totals	Delta	Comments
ADMINISTRATION & GUIDANCE									
Administrative Suite									
General Office / Waiting / Secretary		300	1	300	270	1	270	-30	
Teachers' Mail and time room		100	1	100	155	1	155	55	
Copy Room / work room		150	1	150	100	1	100	-50	<u> </u>
Records Room		110	1	110	0	0	0	-110	<u> </u>
Principal's Office w/conference		375	1	375	180	1	180	-195	
Assistant Principal's Office		150	1	150	95	1	95	-55	
Conference Room		250	1	250	135	1	135	-115	
Admin. Toilet		75	1	75	0	0	0	-75	
Total Adminisration	1.530	73		1.510	0		935	-575	
Guidance Suite	1,330			1,310			333	-5/3	
Guidance Office / Small Group		180	2	360	285	1	285	-75	
Guidance Storeroom		0	0	0	0	0	0	-75	
Total Guidance	185	U	U	360	U	0	285	-75	
Total Guidance	100			300			200	-/3	
Teachers' Workroom/ Lounge w/toilets	300	800	1	800	0	0	0	-800	2 rms., lounge and work
Teachers Workhoom/ Lourige w/tollets	300	800	'	800	U	U	0	-800 -800	2 mis., lourige and work
	300			000			U	-000	
CUSTODIAL & MAINTENANCE									
Custodial/ Maintenance Suite									
Custodian's Office		120	1	120	110	1	110	-10	
Maintenance Workshop		375	1	375	1,010	1	1,010	635	
		300	1	300	0	0	0	-300	
Outdoor Storage Recycling Room/ Trash		300	1	300	0	0	0	-300	
Receiving and General School Supply / Storage		800	1	800	0	0	0	-800	
	0.400	800	1		U	U	_		
Total Custodial	2,100			1,895			1,120	-775	
TECHNOLOGY									
Tele/DataTermination / Head End Room		200	1	200	0	0	0	-200	
Tech Storage / Repair		200	1	200	0	0	0	-200	
Total Technology	0			400		Ť	0	-400	
<u> </u>									
Net Square Feet	38,215			42,420			27,365		
Net to Gross Multiplier use 1.45 (1.5 for MSBA)									
Gross Square Footage	57,323			61,509			36,415	actual	
. •				,			,		
SF/Pupil Total Capacity	182	205							
огл ари тога Сараску	102	200							
Indicates space not specifically in the new MSBA guid some often included in many Elem Schools	leline EdS	pecs,		Net area	eguals	4,245	Х	1.45	6.155
MSBA Guidelines for an Elementary School for 300 st	udents:		300	X	180	=	54,000	1.70	-,

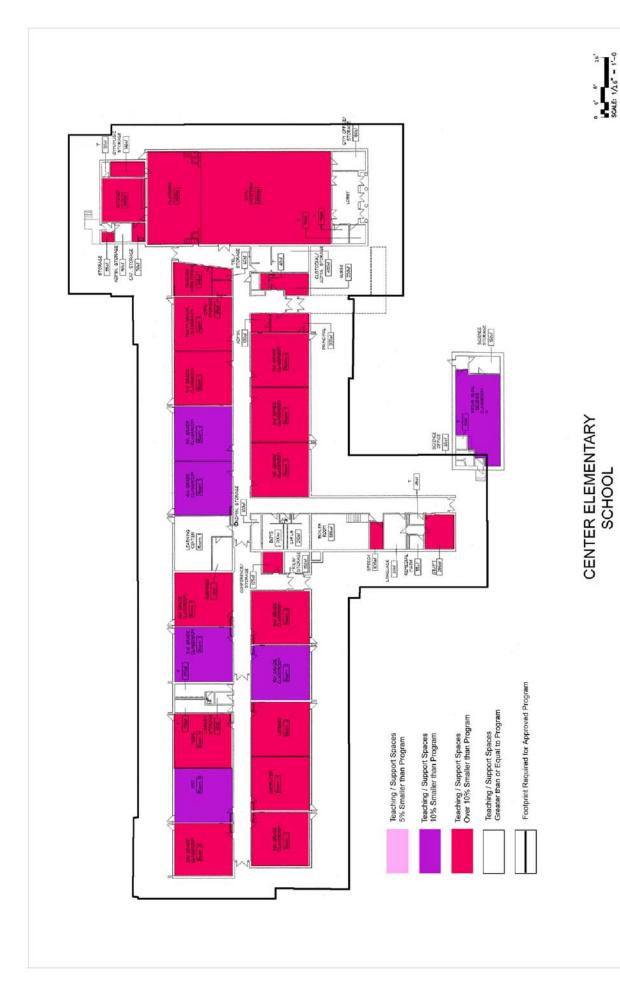
CENTER SCHOOL

GRADES 3-5, 321 STUDENTS

	g	Assume 321 Students			Existing Center School				
Room Type	MSBA Prototype 321	Room Sq.Ft.	Number of Rooms	Area Totals	Room Sq.Ft.	Number of Rooms	Area Totals	Delta	Comments
CORE ACADEMIC SPACES									
Typical Classrooms - Grades 3-5		1,000	15	15,000	varies	12	10,730	-4 270	(7) at 890, (5) at 900
Grade Level Storage		300	1	300	0	0	0	-300	(1) = 1000, (2) = 1000
Science Classroom		1,200	1	1,200	1,020	1	1,020	180	
Science Office		0	0	0	85	1	85	85	
Remedial Reading Rooms		500	1	500	0	1	0	-500	
Total Core Academic	12,850	300	'	17,000	U	'	11,835	-5,165	
SPECIAL EDUCATION		4 000		0.000	100	ļ .	400	4.000	<i>c c c c c c c c c c</i>
Reg SPED - Resource Room		1,000	2	2,000	100	1	100	-1,900	confirm quantity
Book Storage		150	1	150	0	0	0	-150	in lieu of classrooms
OT / PT Classroom		950	1	950	450	1	450	-500	in lieu of classrooms
ESL - English as a Second Language		300	1	300	0	0	0	-300	in lieu of classrooms
School Psychologist Office / Testing		200	1	200	0	0	0	-200	in lieu of classrooms
Speech Room		300	1	300	0	0	0	-300	
Total SPED	3,520			3,900			550	-3,350	
NOTE - No PASS Program in this Calc.									
ADT 8 MUCIC									
ART & MUSIC	_	4.000	. .	4.000	000	.	000	440	A stage to a O day of the
Music Classroom		1,000	1	1,000	890	1	890	-110	1 class in a 6 day rotation
Music Storage		200	1	200	0	1	0	-200	
Band Room		0	1	0	0	0	0	0	see Dining (Platform)
Band Storage		300	1	300	0	0	0	-300	adjacent to platform
Art Classroom		1,000	1	1,000	890	1	890	-110	1 class in a 6 day rotation
Kiln		100	1	100	165	1	165	65	r olded in a c day retailer
Storage	-	100	1	100	0	0	0	-100	
Total Music & Art	2,500	100		2,700	0		1,945	-755	
NOTE: 3-5 = 321 students for classroom planning									
HEALTH & PHYSICAL EDUCATION									
Common acidem		6,000	1	6,000	3,500		2.500	2.500	6000 SF Min Size, 2 classes in a 6
Gymnasium						1	3,500	-2,500	day rotation
Gym Storage		300	1	300	145	1	145	-155	includes gymnastic equipment
PE / Health Instructor's Off. w/shower and tlt		150	1	150	200	1	200	50	
Health Teacher Office		120	1	120	0	0	0	-120	
Total PE	6,300			6,570			3,845	-2,725	
LIBRARY / MEDIA CENTER									
Media Center/ Reading Room		2,020	1	2,020	890	1	890	-1,130	inclusive of office, workroom
Computer Lab		1,200	1	1,200	890	1	890	-310	
Total Library / Media	2,020	,,200		3,220	000		1,780	-1,440	
DINING & FOOD SERVICE									
Cafetorium (150 seat café) (2 seatings)	1	2,250	1	2,250	1,400	1	1,400	-850	15/Occ SF Dining x 300 students
	 								operable wall
Platform / Band Classroom	_	1,000	1	1,000	0	0	0	-1,000	operable wall
		200	1	200	170	1	170	-30	
Table, Chair Equipment Storage		1,600	1	1,600	595	1	595	-1,005	1600 SF for first 300 + 1 SF add.
Kitchen					345	1 1	345	345	
Kitchen Staff Lunch Room	4 50-	0	0	0	0.0		ׅ֭֝֟֝֜֜֜֝֜֜֜֝֜֜֜֜֜֜֜֜֜֟֜֜֜֓֓֓֓֜֜֜֜֜֓֓֓֜֜֜֜֜֜֜֜֜֜		
Kitchen	4,500		0	5,050	0.0		2,510	-2,540	
Kitchen Staff Lunch Room Total Dining MEDICAL	4,500		0		0.0		2,510	-2,540	
Kitchen Staff Lunch Room Total Dining MEDICAL Medical Suite	4,500	0		5,050				-2,540	near outdoor play area
Kitchen Staff Lunch Room Total Dining MEDICAL	4,500		1		45	1	2,510 45	-2,540 -15	near outdoor play area
Kitchen Staff Lunch Room Total Dining MEDICAL Medical Suite	4,500	0		5,050		1 1			near outdoor play area
Kitchen Staff Lunch Room Total Dining MEDICAL Medical Suite Nurse Toilet Nurse Office	4,500	60 120	1	5,050 60 120	45 220		45 220	-15 100	near outdoor play area
Kitchen Staff Lunch Room Total Dining MEDICAL Medical Suite Nurse Toilet Nurse Office Waiting room	4,500	60 120 130	1 1 1 1	60 120 130	45 220 0	1	45 220 0	-15 100 -130	near outdoor play area
Kitchen Staff Lunch Room Total Dining MEDICAL Medical Suite Nurse Toilet Nurse Office	4,500	60 120	1 1	5,050 60 120	45 220	1	45 220	-15 100	near outdoor play area

SECTION 3.1

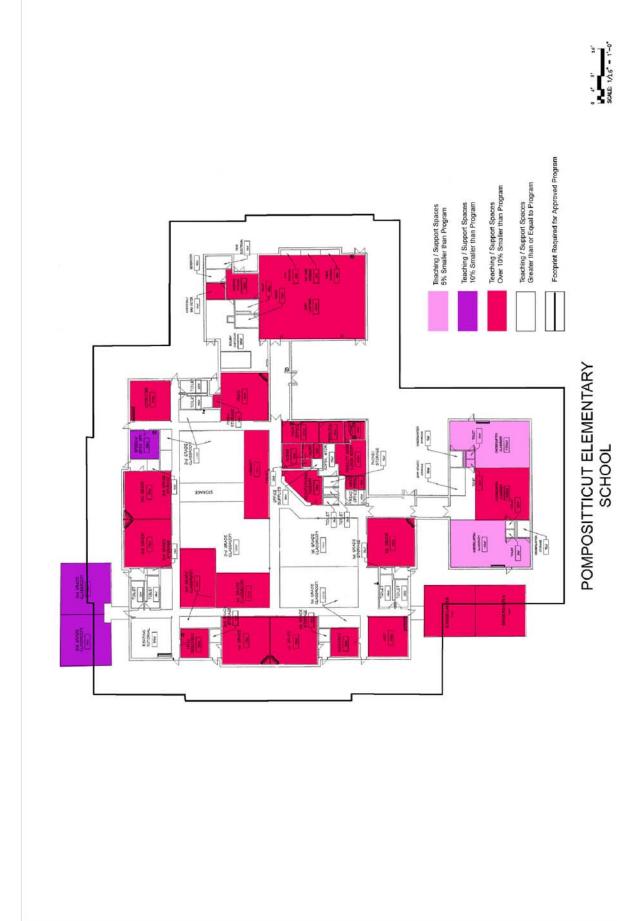
		Assume 321 Students			Existi	ng Center S	School		
Room Type	MSBA Prototype 321	Room Sq.Ft.	Number of Rooms	Area Totals	Room Sq.Ft.	Number of Rooms	Area	Delta	Comments
ADMINISTRATION & GUIDANCE									
Administrative Suite									
General Office / Waiting / Secretary		300	1	300	100	1	100	-200	
Teachers' Mail and time room		100	1	100	65	1	65	-35	
Copy Room / Work Room		150	1	150	90	1	90	-60	
Records Room		110	1	110	0	0	0	-110	
Principal's Office w/conference		375	1	375	205	1	205	-170	
Assistant Principal's Office		150	1	150	0	1	0	-170	
Conference Room		250	1	250	125	1	125		
		∠50 75	·					-125	
Admin. Toilet	4 500	/5	1	75	0	0	0	-75	
Total Administration	1,530			1,510			585	-925	
Guidance Suite									
Guidance Office / Small Group		180	1	180	200	1	200	20	
Guidance Storeroom		0	0	0	0	0	0	0	
Total Guidance	185			180			200	20	
Teachers' Workroom/ Lounge w/toilets		800	1	800	0	0	0	-800	2 rms., lounge and work
	300			800			0	-800	
CUSTODIAL & MAINTENANCE									
Custodial/ Maintenance Suite									
Custodian's Office		120	1	120	0	0	0	-120	
Maintenance Workshop		375	1	375	0	0	0	-375	
Outdoor Storage		300	1	300	400	1	400	100	
Recycling Room/ Trash		300	1	300	0	0	0	-300	
Receiving and General School Supply / Storage		800	1	800	35	1	35	-765	
Total Custodial	2.100	000	· ·	1.895	00	· ·	435	-1,460	
Total Gustoular	2,.00			1,000			400	1,400	
TECHNOLOGY									
Tele/DataTermination / Head End Room		200	1	200	0	0	0	-200	
Tech Storage / Repair		200	1	200	0	0	0	-200	
Total Technology	0	-	'	400	- 0		0	-400	
Total Technology	-			400			U	-400	
Not Course Foot	20.245			40.700			22.052		
Net Square Feet Net to Gross Multiplier use 1.45 (1.5 for MSBA)	36,315 18,158			43,760 19,692			23,950		
							00.000		
Gross Square Footage	54,473			63,452			36,360	actual	
05/0 117 110	45-	040							
SF/Pupil Total Capacity	182	212							
Indicates space not specifically in the new MSBA guid	lolino Ede	2000							
some often included in many Elem Schools	eiille Eus	pecs,		Net area	equals	3,345	x	1.45	4,850
MSBA Guidelines for an Elementary School for 300 st	udents:		300	Х	180	=	54,000		





Program Deficiencies

Stow Schools Master Plan Stow, Massachusetts







Stow Schools Master Plan Stow, Massachusetts