

6. EDUCATIONAL PROGRAM

A. SUMMARY

The following summarizes decisions on projected enrollment, class size, and special program space needs discussed and agreed (11/13/02) with the administration and advisory members. The results of this discussion provide a baseline for evaluating existing building spaces, best use assignment and project options. They are subject to Study Committee question and modification, but vital to providing focus and efficiency to our critical discussion.

(A) Projected Enrollment/Class Size/ CR Required

(System and grade projected enrollment reflects evaluation of Table IX and X, years 5 and 10 year future rounded as to pupils and classroom.)

Grade	Projected Enrollment	Class Size	CR Required
PK (p.t.)	24 (12 F.T.E.)	15	1 (.8)
K (f.t.)	30	18	2 (1.7)
1	30	18	2 (1.7)
2	30	18	2 (1.7)
3	30	18	2 (1.7)
4	30	18	2 (1.7)
5	30	18	2 (1.7)
6	30	18	2 (1.7)
234/222 F.T.E.			15 C.R.

(B) **Physical Education**, to be provided twice (2x) a week, Grades PK-6.

(C) **Science Rooms**. A specialized and equipped science room will not be required, such instruction to be a viable part of classroom activity, moved to alternative space, as necessary.

(D) **Computer Labs**. All classrooms (regular) will be equipped with five (5) student computers plus one (1) instructor computer, specialized areas as needed. Preference was expressed that provisions for group computer instruction be incorporated in the Instructional Media Center (IMC), i.e. Library plus.

(E) **Collaborative Space**. Williamsburg is a member of the Hampshire Educational Collaborative and as such is required by SBA to provide space within facility proposals. Actually such space allows extra credit in determining the maximum allowable building square footage, provides a cost offset to HEC tuition and serves as a long time emergency classroom during fluctuation in enrollment needs.

- (F) **Art and Music.** Spaces in size/number to reflect a frequency of once a week at a separate, furnished space assignment.
- (G) **Bilingual Spaces** are not needed at this level and future minor needs will in all probability be served via a tutorial response.
- (H) **Special Education** will feature inclusion and separate space need in the form of (1) Resource Room plus scheduled use of alternative smaller spaces for speech, testing, OT and PT activity.
- (I) **Community Space** largely rests in use of the Gym, stage and related areas. There will be alternative spaces, absent scheduling, used by citizen advisory groups and committee activity.
- (J) **Special Program Space** is to accommodate an adjustment counselor, reading recovery, Title I, school nurse (health), teacher work space and dining areas as well as enhanced administrative space.

B. SCHOOL GRADE STRUCTURE

Pending

C. ACADEMIC ACHIEVEMENT

Pending

D. CAPACITY / SPACE NEEDS

Please refer to spreadsheets 6-3 through 6-6 for a detailed description of all the existing spaces and a comparison to the Massachusetts Department of Education program space requirements.

E. EDUCATIONAL SPECIFICATIONS

Please refer to the Massachusetts Department of Education form 645-5E for a detailed description of the educational specification, maximum allowable square footage, and maximum allowable construction cost.

INVENTORY OF EXISTING SPACES

ANNE T. DUNPHY SCHOOL

GRADE LEVELS: 4-6

Room	Area	Volume	Notes	Remarks
CLASSROOM	112	922	900-1000	Adequate
CLASSROOM	108	925	900-1000	Adequate
CLASSROOM	102	840	900-1000	Below Average
CLASSROOM	101	918	900-1000	Adequate
CLASSROOM	107	899	900-1000	Adequate
CLASSROOM	109	896	900-1000	Below Average
CONFERENCE	110	191	200-250	Below Average
STORAGE	111	33	n/a	n/a
STORAGE	113	52	n/a	n/a
BOILER ROOM	114	661	n/a	n/a
SPEC. EDUC.	136	703	900-1000	Markedly below average
ART ROOM	137	574	1000-1200	Markedly below average
GYM STORAGE	140	130	s.f. as needed	Below Average
CORRIDOR	138	197	n/a	n/a
STOR./OFFICE	139	43	150-200	Markedly below average
ASSEM./GYM	133	4,724	3000/ station	Adequate
PLATFORM	135	1,142	1,500	Below Average
CONFERENCE	132	105	200-250	Markedly below average
CORRIDOR	106	1,130	n/a	n/a
CORR/LOBBY	131	1,325	n/a	n/a
COMPUTER	130	300	900-1000	Markedly below average
VAULT	128	66	80-100	Adequate
PRINCIPLE	129	86	150-200	Markedly below average
GEN. OFFICE	127	300	400-600	Markedly below average
JANITOR #1	116	19	n/a	n/a
MEN	115	78	n/a	n/a
STORAGE	117	23	n/a	n/a
TOILET	119	87	n/a	n/a
STORAGE	118	23	n/a	n/a
WOMEN	120	88	n/a	n/a
NURSE	121	160	300-750	Markedly below average
STORAGE	122	18	n/a	n/a
KITCHEN	123	491	1300 s.f. for first 30	Markedly below average
DRY STOR.	124	80	one s.f. /additional meal	
OFFICE/METER RM.	125	60	see above	Markedly below average
LUNCH ROOM	126	1,397	see above	Markedly below average
GIRLS TOILET	104	238	15 s.f./pupil	Adequate
BOYS TOILET	103	238	107x15/2=802.5	
JAN #2	105	50	107x15/3=535	
TOTAL NET AREA		20,212		

TOTAL GROSS

AREA

22,274

INVENTORY OF EXISTING SPACES
HELEN E. JAMES SCHOOL
GRADE LEVELS: 4-6

INVENTORY OF EXISTING SPACES				
HELEN E. JAMES SCHOOL				
GRADE LEVELS: 4-6				
SPACE	NO.	AREA	REMARKS	REMARKS
SPEC. EDUC.	100	425	As Needed	n/a
BOYS	102	121	n/a	n/a
GIRLS	103	151	n/a	n/a
JANITOR	104	19	n/a	n/a
CORRIDOR	105	395	n/a	n/a
STAIRS	106	259	n/a	n/a
CLASSROOM	107	758	900-1000	Markedly below average
CLOSET	108	4	n/a	n/a
CLOSET	109	4	n/a	n/a
CAFETERIA	110	1503	15 s.f./pupil	Adequate
			112 x 15/2 = 840	
			112 x 15/3 = 560	
CORRIDOR	111	408	n/a	n/a
FORUM	112	258	n/a	n/a
CLASSROOM	113	752	900-1000	Markedly below average
CLOSET	114	6	n/a	n/a
CLASSROOM	115	763	900-1000	Markedly below average
CLOSET	116	5	n/a	n/a
STAIRS	117	534	n/a	n/a
TOTAL NET AREA		6,365		

TOTAL GROSS AREA 22,248

INVENTORY OF EXISTING SPACES
HELEN E. JAMES SCHOOL
GRADE LEVELS: 4-6

SPACE	NO.	AREA	PERMITS	REMARKS
STOR/COUNS.	1	399	n/a	Adequate
STORAGE	2	126	n/a	n/a
STORAGE	3	120	n/a	n/a
STORAGE	4	71	n/a	n/a
STAIRS	5	107	n/a	n/a
OFFICE	6	189	150-200	Adequate
PRE-SCHOOL	7	1249	1200-1300	Adequate
TOILET	8	45	n/a	n/a
STORAGE	9	57	n/a	n/a
BOILER ROOM	10	477	n/a	n/a
CORRIDOR	11	921	n/a	n/a
WORK SHOP	12	279	n/a	n/a
MEN	13	61	n/a	n/a
WOMEN	14	61	n/a	n/a
STORAGE	15	38	n/a	n/a
CORRIDOR	16	69	n/a	n/a
COMPUTER LAB	17	370	900-1000	Markedly Below Average
HEALTH	18	271	300-750	Below Average
THIRD GRADE	19	752	900-1000	Markedly Below Average
ELEV. MECH.	20	92	n/a	n/a
STAIRS	21	354	n/a	n/a
TOTAL NET AREA		6,108		

TOTAL GROSS AREA 22,248

INVENTORY OF EXISTING SPACES**HELEN E. JAMES SCHOOL****GRADE LEVELS: 4-6**

Room Name	Room No.	Area (sq. ft.)	Notes	Remarks
SPEC. EDUC.	200	455	As needed	n/a
BOYS	201	121	n/a	n/a
GIRLS	202	124	n/a	n/a
JANITOR	203	19	n/a	n/a
CORRIDOR	204	404	n/a	n/a
STAIRS	205	282	n/a	n/a
CLASSROOM	206	758	900-1000	Markedly below average
CLOSET	207	4	n/a	n/a
KINDERGARTEN	208	729	1200-1300	Markedly below average
ART ROOM	209	522	1000-1200	Markedly below average
CORRIDOR	210	387	n/a	n/a
CLOSET	211	5	n/a	n/a
CLOSET	212	28	n/a	n/a
CLOSET	213	11	n/a	n/a
CLOSET	214	6	n/a	n/a
ALCOVE	215	38	n/a	n/a
READING	216	279	up to 500	Markedly below average
CLASSROOM	217	752	900-1000	Markedly below average
CLOSET	218	6	n/a	n/a
CLOSET	219	87	n/a	n/a
TOILET	220	56	n/a	n/a
CLASSROOM	221	751	900-1000	n/a
STAIRS	222	534	n/a	n/a
TOTAL NET AREA		6,358		

TOTAL GROSS AREA 22,248

Commonwealth of Massachusetts
DEPARTMENT OF EDUCATION
School Building Assistance
Elementary School Education Specifications

Date 12/10/02 Version # D Revised 01/02/03

School District Williamsburg Public Schools /Code 2512990

School Name Anne T. Dunphy School /Code 251299002505

Contact Person Alfred Venne Title Principal

Address One Petticoat Hill Road

Williamsburg, Massachusetts Telephone (413) 268-8421

Type of Proposed Construction: New Addition X Renovation X

Conversion Acquisition

Complete the following for all addition and/or renovation projects.

Date of original construction 1954 Reopen? Y N X

Date(s) of addition(s): NONE , ,

Date(s) of SBA funded Renovations: 1986 (Roof, Windows) , ,

Site Location: One Petticoat Hill Road, Williamsburg, MA Acres: 7.48

Grade in Attendance (circle): Pre-K K 1 2 3 4 5 6 7 8

School Consolidation/Grade Reorganization: Y X N If yes, describe before/after conditions below:

The conditions before the consolidation are:

Helen E. James School built in 1914 and houses grades Pre-K through (3) three.

Anne T. Dunphy School built in 1954 and houses grades (4) four through (6) six.

The conditions after the consolidation will be:

Helen E. James school will not function as a school. The consolidation of the (2) two schools eliminates the current need for the duplication of resource and specialized areas and enables them to now be shared. The Anne T. Dunphy School will be completely renovated, a new 29,416 square foot addition will be added, and the entire Pre-K - 6 grades will be located in one building for maximum efficiency.

Enrollment Data(*Full Time Equivalent)

(For part time students - 1/2 day Kindergarten, divide enrollment by 2)

Current (10 / 01 / 02)

Grade Level	Head Count	FTE*
Pre-K	26	13
Kindergarten	19	19
Ungraded	0	0
Grades <u>1</u> to <u>6</u>	167	167
Collaborative	0	0
TOTAL	212	199

Projected (10 / 01 / 13)

Grade Level	Head Count	FTE*
Pre-K	24	12
Kindergarten	30	30
Ungraded	0	0
Grades <u>1</u> to <u>6</u>	180	180
Collaborative	12	12
TOTAL	246	234

Column (I) indicates new spaces to be added; New school, complete Column I only.

Column (II) for existing spaces after renovations; for renovation only, complete Column II.

Column (III) total spaces needed for approved educational program. (I)+(II) must = Column (III) for additions.

Please note the footnotes on each page to insure the correct space computations per Regulations. The recommended classroom sizes (in parentheses) exclude storage, teacher area and wall thickness. [The gross square footage in each column below should include storage and teacher area, but not wall thickness and therefore may exceed the recommended square footage (net sq.ft.). Please put an asterisk to indicate teacher/storage area included]*

TABLE A	(I) Additional Space (New Construction)		(II) Additional Space (Renovations)		(III) Total Space (Educational)	
	No.	Sq.Ft.	No.	Sq.Ft.	No.	Sq.Ft.
A. Basic Educational Space						
1.Pre-K (1200-1300)	1	1,200			1	1,200
2. Kindergarten (1200-1300)	2	2,400			2	2,400
3. General Class (900-1000) 900	6	5,400	6	5,400	12	10,800
4. Art (1000-1200)	1	1,000			1	1,000
5. Music Rooms (1000-1200)	1	1,000			1	1,000
a. Ensemble (Up to 200) 100	1	100			1	100
b. Practice (75-130)						
6.Science/Computer (1000-1200)(See library)						
7. Media Center /Library (1800-3000)	1	3,000			1	3,000
8. Phys.Ed. Teaching Station (1800-3000)**			1	4,724	1	4,724
9. Special Needs (as needed)	1	900			1	900
10. Remedial (as needed) Title I	1	900			1	900
11. Collaborative (as needed)	1	900			1	900
A. SUBTOTAL Basic Space		16,800		10,124		26,924

*Includes Storage but not wall thickness

** Lockers & storage under miscellaneous space

TABLE B	(I) Additional Space (New Construction)		(II) Existing Space (Additions)		(III) Total Space (Educational)	
Miscellaneous Educational Space (In Regulations)	No.	Sq.Ft.	No.	Sq.Ft.	No.	Sq.Ft.
1.Cafeteria + Seating	1	448	1	1,397	1	1,845
2.Cafetorium+Seating						
Stage			1	1,142	1	1,142
3. Guidance a. Office	1	150			1	150
b. Counseling	1	100			1	100
c. Waiting(as needed)	1	200			1	200
4. Health Suite a. Office			1	160	1	160
b. Examining Room	1	150			1	150
c. Rest Areas (300-750)	3	300			3	300
5. Kitchen ++ (1,300)	1	729	1	571	1	1,300
Administration a. Principal (150)	1	64	1	86	1	150
b. Asst.. Principal						
c. General Office			1	300	1	300
d. Conference			1	300	1	300
e. Other (up to 800)			1	66	1	66
7. Planning Room/Dining	1	750			1	750
8. Teachers□ Dining Rm						
9. Auditorium +++ Seating						
Stage	****		****		*****	
10. Phys.Ed. a. Locker Rooms	2	600			2	600
b. Storage(Outdoor Equip./Gym)	1	300	1	130	2	430
B. SUBTOTAL Misc. Educ. Space		3,791		4,152		7,943

++ 15 Sq.Ft. per pupil for 1/2 or 1/3 of the enrollment at each seating

++ For full service kitchen allow 1300 sq.ft. for the first 300 meals, plus 1 sq.ft. for each additional meal serviced.

+++ 7 Sq.Ft. per pupil for seating; stage square foot additional.

For service kitchen only, allow 800 sq.ft.

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 minimum allowable cost for the proposed school project.

TABLE C	(I) Additional Space (New Construction)		(II) Additional Space (Renovations)		(III) Total Planned Space	
	Sq.Ft.	%	Sq.Ft.	%	Sq.Ft.	%
1. Basic Educational	16,800	61	10,124	45.4	26,924	54.1
2. Miscellaneous Educational	3,791	13.8	4,152	18.6	7,943	15.9
3. SUBTOTAL (Basic+Misc.)	20,591	74.8	14,276	64	34,867	70
4. Other Space	6,945	25.2	7,998	36	14,943	30
5. TOTAL Gross (Educational+Other)	27,536	100	22,274	100	49,810	100

D. MAXIMUM ALLOWABLE SQUARE FOOTAGE

The allowable square foot per pupil as provided for in the School Construction Regulations 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. (Preliminary Drawings: to define 'other space' use the following color codes)

Special Needs: (Yellow)	900	Sq.Ft.	Collaboratives: (Yellow)	900	Sq.Ft.
Art: (Blue)		Sq.Ft.	Community: (Red)	4,180	Sq.Ft.
Remedial: (Green)	Title I 900	Sq.Ft.	Technology: (Tangerine)	5,166	Sq.Ft.
Total Allowable Square Feet in Excess of Base:			21,520 *	Sq.Ft.	
9,474 Program Needs*					

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 will be reviewed on an individual basis with SBA staff. *Capital construction projects may also include not more than \$15.00 per square foot for furnishings and equipment.

1. $(246 \times 115) + 21,520$ Sq.Ft. = 49,810 Sq.Ft.

$(\text{Projected Enrollment} \times 115) + \text{Total Approved Excess (table D)} = \text{Maximum Gross Sq. Ft.}$

2. $\frac{\$173.00}{\text{Allowable Cost per Sq.Ft.}} \times \frac{27,536}{\text{Gross Sq.Ft. New}} \text{ Sq.Ft.} = \$4,763,728 \text{ New}$
 = Maximum Allow. Cost New

3. $\frac{\$138.4 (80\% \text{ of Max})}{\text{Allowable Cost per Sq.Ft.}} \times \frac{22,274}{\text{Renovated Sq.Ft.}} \text{ Sq.Ft.} = \$3,082,722 \text{ Renovation}$
 = Allowance for Renovations

$= \$7,846,450$
MAXIMUM ALLOWABLE COST