

EDUCATIONAL SPECIFICATION

SECTION 2

EDUCATIONAL SPECIFICATION

In 2006, the School Committee engaged the firm *DeJong, Inc.* to assist in developing an Educational Specification reflecting the vision of the educational program. A Visioning Committee comprised of thirty-five community members, (including teachers, administrators, students, and parents) worked with the consultant from June through November 2006, translating the educational program and vision into the educational specification: the numbers and types of spaces, adjacencies, and both generic and specific room equipment and finish specifications.

Core academic programs at WHS include English, math, social studies, sciences, and classical and modern languages. Non-core/elective subjects develop life skills and provide opportunities for students to explore specialized areas for learning and pursuit during and beyond high school. Current elective courses include performing and fine arts, fitness and health, family and consumer science, technical and applied sciences, and career guidance. Extra and co-curricular programs provide personal health and development opportunities. Large unique spaces such as the gymnasium, auditorium, fitness center, cafeteria and library are offered to the community for public use and access. WHS is primarily a college preparatory institution and over 90 percent of the school's students apply to and are accepted at one or more institutions of higher learning.

In the summer of 2008, after significant discussion and review of public feedback, the School Committee voted to reduce the educational specification to bring the overall building to 280,000 gross square feet. The indoor running practice track was the largest single reduction. The auditorium was reduced in size from 800 to 700 seats. The bulk of the remaining cuts reduced classroom sizes or spaces but did not eliminate the teaching stations. Sixty-five classrooms were reduced from 850 to 800 square feet.

Proposed Space Summary - High Schools

PROPOSED																	
HIGH SCHOOL	Existing Conditions			Existing to Remain/Renovated			New			Total			MSBA Guidelines (refer to MSBA Educational Program & Space Standard Guidelines)				
ROOM TYPE	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	Comments	
CORE ACADEMIC SPACES			41,274				0				69,675				69,675	64,690	
<i>(List classrooms of different sizes separately)</i>																	
Classroom - General (include Health)		39	26,984				800	59	47,200	800	59	47,200	950	49	46,550	850 SF min - 950 SF max	
Small Group Seminar (20-30 seats) (Instruction)							500	3	1,500	500	3	1,500	500	3	1,500		
Small Group Instruction - Math Lab							500	1	500	500	1	500					
Small Group Instruction - Pull Out							200	1	200	200	1	200					
Reading							425	1	425	425	1	425					
Book Storage							600	1	600	600	1	600					
Science Classroom / Lab		10	10,890				1,200	12	14,400	1,200	12	14,400	1,200	13	15,600	Capacity 23 x 85% utilization = 20 Seats - 1 period / day / student	
Prep Room		2	535				250	6	1,500	250	6	1,500	80	13	1,040		
Student Project Room							300	1	300	300	1	300					
Computer Lab (Eng. /SS)		2	975				1,000	1	1,000	1,000	1	1,000					
Computer Lab (Math)	830	1	830				850	1	850	850	1	850					
Language Lab	1,060	1	1,060				1,200	1	1,200	1,200	1	1,200					
SPECIAL EDUCATION			4,615				0				10,000				10,000	15,100	
<i>(List classrooms of different sizes separately)</i>																	
Self-Contained SPED													950	10	9,500	assumed 8% of pop. in self-contained SPED	
Self-Contained SPED Toilet													60	10	600		
Resource Room													500	5	2,500	1/2 size Genl. Clrm.	
Small Group Room													500	5	2,500	1/2 size Genl. Clrm.	
Inclusion Unit		7	4,415														
Special Education Learning Center							6	400	2,400	6	400	2,400					
Pull Out Model																	
Specialized CR (ELL)							1	500	500	1	500	500					
Privacy Suite with Toilet							1	200	200	1	200	200					
Adjustment Counselor							1	150	150	1	150	150					
Small Support Room							1	250	250	1	250	250					
Specialized CR (Social/Emotional/Behavioral)							2	800	1,600	2	800	1,600					
Specialized CR (Multiple Disabilities)							2	950	1,900	2	950	1,900					
Language Program							4	400	1,600	4	400	1,600					
Student Support Component																	
Director's Office		1	200				1	150	150	1	150	150					
Office							1	150	150	1	150	150					
Planning Center							1	400	400	1	400	400					
SPED Secretary/Waiting							1	300	300	1	300	300					
Testing Room							2	200	400	2	200	400					
ART & MUSIC			11,982				0				15,470				15,470	7,775	
Art Classroom - 25 seats (2D)	875	1	875				1,200	1	1,200	1,200	1	1,200	1,200	3	3,600	Assumed use - 25% Population - 5 times/week	
Art Classroom - 25 seats (3D)	1,195	1	1,195				1,200	1	1,200	1,200	1	1,200					
Art Workroom w/ Storage & kiln							200	3	600	200	3	600	150	3	450		
Jewelry / 2D	1,190	1	1,190				850	1	850	850	1	850					
Graphic Arts/Digital Lab	640	1	640				1,000	1	1,000	1,000	1	1,000					
Photography Classroom	1,000	1	1,000				1,200	1	1,200	1,200	1	1,200					
Graphic Arts/Digital Lab/Photo Classroom							1,000	1	1,000	1,000	1	1,000					
Dark Room	227	1	227				400	1	400	400	1	400					
Band/Chorus - 50-100 seats	1,890	1	1,890										1,500	2	3,000	Assumed use - 25% Population - 5 times/week	
Band/Orchestra							2,600	1	2,600	2,600	1	2,600					
Chorus	1,390	1	1,390				1,800	1	1,800	1,800	1	1,800					
Ensemble							800	1	800	800	1	800	200	1	200		
Music Practice	51	5	255				80	4	320	80	4	320	75	7	525		
Music Tech (MIDI Lab)	650	1	650				750	1	750	750	1	750					
Multi-Purpose Drama Room	2,670	1	2,670				1,650	1	1,650	1,650	1	1,650					
Toilets							50	2	100	50	2	100					
VOCATIONS & TECHNOLOGY			14,179				0				13,600				13,600	19,200	
Tech Clrm. - (E.G. Drafting, Business)									5,750			5,750	1,200	6	7,200	Assumed use - 50% Population - 5 times/week	
Project Based Classroom (include'g storage)							1,450	1	1,450	1,450	1						
Child Development Lab (include'g storage)		2	2,895				1,800	1	1,800	1,800	1						
Child Development Classroom							800	1	800	800	1						
Business Lab / CR	250	1	250				800	1	800	800	1						
Business Classroom, Advertising (inc'g stor)	454	1	454				900	1	900	900	1						
Tech Shop - (E.G. Consumer, Wood)									7,850			7,850	2,000	6	12,000	Assumed use - 50% Population - 5 times/week	
Wood Shop & Manufacturing (include'g storage)		3	8,020				3,200	1	3,200	3,200	1						
Principles of Technology							1,200	1	1,200	1,200	1						

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	ROOM TYPE	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	Comments
	Cullinary Arts Lab (incl'g prep)		1	1,550				1,600	1	1,600	1,600	1					
	Broadcast & Editing Suite		1	1,010				1,850	1	1,850	1,850	1					
	HEALTH & PHYSICAL EDUCATION			35,005		0				31,570			31,570			22,600	
	Gymnasium		2	15,150				17,000	1	17,000	17,000	1	17,000	10,000	1	10,000	
	PE Alternatives (Dance, Weights, etc.)													3,000	1	3,000	
	Fitness Center (Weight / Cardio)	4,850	1	4,850				2,000	1	2,000	2,000	1	2,000				
	Multi-Purpose (Fitness / Wrestling)	1,140	1	1,140				1,000	1	1,000	1,000	1	1,000				
	Multi-Purpose (Dance/OT/PT, inc'g storage)							1,700	1	1,700	1,700	1	1,700				
	Gym Storeroom (mat)							250	1	250	250	1	250	300	1	300	
	Locker Rooms - Boys/Girls w/Toilets		2	11,820				1,060	2	2,120	1,060	2	2,120	1,400	6	8,400	
	Locker Rooms - Boys/Girls w/Toilets							1,200	2	2,400	1,200	2	2,400				
	Phys. Ed. Storage		3	1,775				3,000		3,000	3,000		3,000	500	1	500	
	Athletic Director's Office	270	1	270				350	1	350	350	1	350	150	1	150	
	Health Instructor's Office w/Shower & Tlt (Coach)							250	2	500	250	2	500	250	1	250	
	Adult Toilets / Showers							350	2	700	350	2	700				
	Golf Cart Storage							150	1	150	150	1	150				
	Trainers Room							400	1	400	400	1	400				
	MEDIA CENTER			9,650		0				9,150			9,150			9,275	
	Media Center/Reading Room													9,275	1	9,275	
	Reading Room	7,080	1	7,080				5,000	1	5,000	5,000	1	5,000				
	Research/Project Room	700	1	700				750	1	750	750	1	750				
	Head End Room	308	1	308				200	1	200	200	1	200				
	Computer Classroom							1,200	1	1,200	1,200	1	1,200				
	Librarian's Office							150	1	150	150	1	150				
	Work Room	1,000	1	1,000				800	1	800	800	1	800				
	A/V Storage	562	1	562				200	1	200	200	1	200				
	General Storage							200	1	200	200	1	200				
	Toilet							50	1	50	50	1	50				
	Group Research/Study (4 people)							200	3	600	200	3	600				
	AUDITORIUM / DRAMA			8,500		0				10,350			10,350			10,400	
	Auditorium	7,000	1	7,000				7,000	1	7,000	7,000	1	7,000	7,500	1	7,500	2/3 Enrollment @ 10 SF/Seat - 750 seats MAX
	Stage	1,500	1	1,500				2,350	1	2,350	2,350	1	2,350	1,600	1	1,600	
	Auditorium Storage							800	1	800	800	1	800	500	1	500	
	Make-up / Dressing Rooms							0	0	0	0	0	0	300	2	600	
	Controls / Lighting / Projection							200	1	200	200	1	200	200	1	200	
	DINING & FOOD SERVICE			15,755		0				14,158			14,158			11,450	
	Cafeteria / Student Lounge/ Break-out		2	7,455				7,858	1	7,858	7,858	1	7,858	7,500	1	7,500	3 seatings - 15SF per seat
	Chair / Table Storage							400	1	400	400	1	400	525	1	525	
	Kitchen (incl'g Servery & Kitchen Storage)		2	7,585				4,900	1	4,900	4,900	1	4,900	2,800	1	2,800	1600 SF for first 300 + 1 SF/student Add'l
	Staff Lunch Room	715	1	715				900	1	900	900	1	900	625	1	625	20 SF/Occupant
	Staff Toilets							50	2	100	50	2	100				
	MEDICAL			640		0				800			800			1,210	
	Medical Suite Toilet							50	2	100	50	2	100	60	1	60	
	Nurses' Office/Waiting Room (inc'g storage)		7	640				350	1	350	350	1	350	250	1	250	
	Interview Room (Exam)							50	2	100	50	2	100	100	3	300	
	Examination-Room / Resting (Cots)							250		250	250		250	100	6	600	
	ADMINISTRATION & GUIDANCE			8,958		0				15,675			15,675			5,658	
	General Office / Waiting Room/Toilet (Secretarial & Data Clerk)			2,420				450	1	450	450	1	450	750	1	750	
	Teachers' Mail and Time Room (Receiving)							50	1	50	50	1	50	100	1	100	
	Duplicating Room (Work Room, Copy Room)							200	1	200	200	1	200	200	1	200	
	Records Room							200	1	200	200	1	200	200	1	200	
	Vault							50	1	50	50	1	50				
	Principal's Office w/ Conference Area							250	1	250	250	1	250	375	1	375	
	Principal's Secretary / Waiting							300	1	300	300	1	300	125	1	125	
	Assistant Principal's Office - AP1							250	2	500	250	2	500	150	1	150	
	Assistant Principal's Office - AP2							250	1	250	250	1	250	150	2	300	
	Supervisory / Spare Office							0		0	0		0	120	1	120	
	Conference Room							300	2	600	300	2	600	450	1	450	
	Supplies Storage							200	1	200	200	1	200				
	Kitchenette							75	1	75	75	1	75				
	Toilets							50	2	100	50	2	100				
	METCO Office							150	1	150	150	1	150				
	Student Organization Room							100	1	100	100	1	100				
	Guidance Office		13	2,550				150	9	1,350	150	9	1,350	150	8	1,200	
	Guidance Waiting Room							200	3	600	200	3	600	100	1	100	

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<u>ROOM TYPE</u>																	
Guidance Storeroom						75	3	225	75	3	225			100	1	100	
Career Center								0			0			525	1	525	
Records Room						75	3	225	75	3	225			213	1	213	
Psychologist						150	3	450	150	3	450						
Guidance/Student Support Reception & Waiting	300	1	300			300	1	300	300	1	300						
Guidance/Student Support Director's Office	150	1	150			150	1	150	150	1	150						
Teachers' Work Room (Teachers Support)														750	1	750	
Eng/Math/Hist/Lang/Sci		6	2,441			750	5	3,750	750	5	3,750						
Drama/Music/TV						250	1	250	250	1	250						
Family/Consumer Sciences						400	1	400	400	1	400						
Dept Head Offices		6	653			150	6	900	150	6	900						
Conference Room						200	4	800	200	4	800						
Copy/Work Center						200	4	800	200	4	800						
Flexible Storage		3	444			200	7	1,400	200	7	1,400						
Fitness/Health Teacher Offices						300	2	600	300	2	600						
CUSTODIAL & MAINTENANCE			3,820			0		2,350			2,350					2,750	
Custodian's Office		5	3,820			250	1	250	250	1	250			150	1	150	
Custodian's Workshop						1,000	1	1,000	1,000	1	1,000			250	1	250	
Custodian's Storage						500	1	500	500	1	500			375	1	375	
Recycling Room / Trash								0			0			400	1	400	
Receiving and General Supply								0			0			525	1	525	
Storeroom (Remote)						150	4	600	150	4	600			850	1	850	
Network/Telecom Room (see Media Center)								0			0			200	1	200	
OTHER			340			0		300			300					0	
School Store	100	1	100			100	1	100	100	1	100						
Recycling Closets	60	4	240			50	4	200	50	4	200						
Total Building Net Floor Area (NFA)			154,718			0		193,098			193,098					170,108	
Proposed Student Capacity/Enrollment								1,600			1,600					1,500	
Total Building Gross Floor Area (GFA)²			234,480					280,000			280,000					277,500	
Grossing factor (GFA/NFA)			1.52					1.45			1.45					1.63	
1 Individual Room Net Floor Area (NFA)	Includes the net square footage measured from the inside face of the perimeter walls and includes all specific spaces assigned to a particular program area including such spaces as non-communal toilets and storage rooms.																
2 Total Building Gross Floor Area (GFA)	Includes the entire building gross square footage measured from the outside face of exterior walls																
Architect Certification	I hereby certify that all of the information provided in this "Proposed Space Summary" is true, complete and accurate and in accordance with the rules, regulations and policies of the Massachusetts School Building Authority to the best of my knowledge and belief. A true statement, made under the penalties of perjury.																
	Name of Architect Firm:																
	Name of Principal Architect:																
	Signature of Principal Architect:																
	Date:																