



GARRISON ELEMENTARY SCHOOL

DRAFT 6/23/2016

PRESENT PROGRAM vs. EDUCATIONAL GUIDELINES

HARRIMAN - ARCHITECTS & ENGINEERS - MANCHESTER, NH

GC = GENERAL CLASSROOMS
SC = SPECIALIZED CLASSROOMS
SSC = SPECIAL SERVICES CLASSROOMS

CA = CORE AREAS
ESA = EDUCATIONAL SUPPORT AREAS
FSA = FACILITY SUPPORT AREAS

* Indicates min. requirements as specified in NH Code of Administrative Rules Ed 321. Others are recommended minimums from the Manual for Planning and Construction of School Building 2006 by the NH Department of Education.

ROOM #	ROOM NAME	EXIST'G SQ. FT.	DOE PROGRAM	DOE CAPACITY	EDUCATIONAL GUIDELINES
			GC		General Classrooms
34	KINDERGARTEN	901	1000	18	Department of Education (DOE) standard for Grades K through 8.
36	KINDERGARTEN	899	1000	18	a) * Kindergarten classroom min. of 1,000 sq. ft. including storage, or 50 sq.ft per pupil, whichever is greater.
37	KINDERGARTEN	899	1000	18	Recommended limit of 20 pupils per group.
61	KINDERGARTEN	1021	1000	20	b) * Grades 1 - 5 classroom min. 900 sq. ft., including storage, or 36 sq. ft. per pupil, whichever is greater.
62	KINDERGARTEN	1021	1000	20	c) Kind. - grade 2, 25 students or fewer per teacher, provided that each school shall strive to achieve the class size of 20 pupils or fewer per teacher.
				94	d) Grades 3 - 5, 30 students or fewer per teacher, provided that each school shall strive to achieve the class size of 25 pupils or fewer per teacher.
30	1ST GRADE	911	900	25	
31	1ST GRADE	911	900	25	
32	1ST GRADE	901	900	25	
33	1ST GRADE	901	900	25	
35	1ST GRADE	901	900	25	
				125	
11	2ND GRADE	855	900	23	
12	2ND GRADE	855	900	23	
13	2ND GRADE	855	900	23	
14	2ND GRADE	855	900	23	
				92	
25	3RD GRADE	847	900	23	
26	3RD GRADE	847	900	23	
27	3RD GRADE	863	900	23	
28	3RD GRADE	863	900	23	
				92	
21	4TH GRADE	863	900	23	
22	4TH GRADE	863	900	23	
23	4TH GRADE	847	900	23	
24	4TH GRADE	847	900	23	
				92	
				495	Total Gross Classroom Capacity
				410 to 420	Based on DOE recommendations c) & d) above and 10% utilization factor

ROOM #	ROOM NAME	EXIST'G SQ. FT.	DOE PROGRAM	DOE CAPACITY	EDUCATIONAL GUIDELINES
			SC		Science
111	STEM	925	1200	23 to 15	a) Science is usually conducted in a general purpose classroom.
112	ART	923	900	25	b) * If a science classroom/lab or lab is considered capacity based on 45 to 60 sq. ft. per pupil or a min. Of 900 sq. ft. for a lab and 1,200 sq. ft. for cr/lab. Max. capacity of 24 pupils lab work stations.
114	MUSIC (Instrumental)	1065	1000	42	Art
114	MUSIC (Choral)	1065	800	70	a) Although not recommended, in some elementary schools art may be taught in the general classroom by a roving teacher rather than in a special art room.
115	COMPUTER LAB	898	750	30	b) Capacity based on 36 sq. ft. per pupil with a min. space of 900 sq. ft.
46	STAGE	510			Old Rule : Capacity based on 60 to 70 sq. ft. per pupil. Classroom size is 900 sq. ft. minimum.
110	GYMNASIUM	7693	5500		Music
	7693/110 per student = 70 students				
	divide by 2 = 30 students DOE 25 max. students each			50	

- a) Although not recommended, in some elementary schools music may be taught in the general classroom by a roving teacher rather than in a special music room.
- b) Instrumental capacity based on 25 sq. ft. per pupil with a min. space of 1,000 sq. ft.
- c) Choral capacity based on 15 sq. ft. per pupil with a minimum space of 800 sq. ft.

Physical Ed.

- a) Capacity based on 110 sq. ft. per pupil with a max. capacity of 25 pupils.

Computer Lab

- a) Capacity based on 30 sq. ft. per pupil with a min. space of 750 sq. ft.

Note: Capacity may vary depending upon the school district's educational program.

ROOM #	ROOM NAME	EXIST'G SQ. FT.	DOE PROGRAM	CAPACITY	EDUCATIONAL GUIDELINES
			SSC		
15	SPECIAL ED	839		14	<u>Special Service Classrooms & Areas</u> a) For the most part, pupils should be integrated into all academic programs with the general student population. There should not be distinct spaces for special education with a few exceptions. b) * Exclusive use space shall be provided for speech therapy, physical therapy (PT), occupational therapy (OT) and private counseling. PT and OT may be co-located. c) * Min. total of exclusive space shall be 600 sq. ft.
16	READING	839		14	
17	SPECIAL ED	425		7	
18	READING	839		13	
19	OT	404		6	

Capacity if based on old rule of 60 sq. ft. per pupil.

Note: Capacity is depended on the program and needs of the pupil assigned.

With main streaming & inclusion (sped pupils in classrooms), may require less SSC space, but larger general & specialized classrooms.

Old Standards:

- In general capacity was based on 60 sq. ft. per pupil.
- Resource room for intellectual pupils. Max capacity of 15 pupils.
- Resource room for emotional pupils. Max capacity of 10 pupils.

ROOM #	ROOM NAME	EXIST'G SQ. FT.	DOE PROGRAM	DOE CAPACITY	EDUCATIONAL GUIDELINES
			CA		
108	LIBRARIAN	141			<u>Library (Media Center)</u> a) * Min. size is 40 sq. ft. per pupil times 10% of the design capacity or a min. of 1,800 sq. ft. b) Recommended sizes for specific area are as follows (not that the total exceede the 1,800 sq. ft. min.) - Circulation desk (200 - 300 sq. ft.) - Gen. reading, research, viewing area & stacks (35 /pupil for 10% of the design capacity) - Group instruction room (600-750) - Electronic multimedia production area (500-750) - Office for administrator (150) - Equipment room (500-750)
109	LIBRARY	2031			
	Total	2172			
	At 500 students			2000	

44	CAFETERIA	4181		
	4181/15 = 278			278

121	KITCHEN	579		
	If based on old rule of 3 sq. ft. per pupil =			1500

Note: Major changes in libraries are occurring due to volumes of books being replaced by access via the Internet. The Library is now becoming a Media

ROOM #	ROOM NAME	EXIST'G SQ. FT.
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Tech Center and the core of the teaching resources.

63	20 CORRIDOR	1029
64	10 CORRIDOR	986
65	30 CORRIDOR	900
82	ART WING CORRIDOR	883
83	GYM WING CORRIDOR	1424
118	ENTRY CORRIDOR	274
120	MAIN CORRIDOR	2290

AV equipment are being replaced by affordability of LCD projectors and wireless technology.

Cafeteria

- a) * Capacity based on 12 to 15 sq. ft. per pupil.
Take total sq. ft. and divide by the # of servings.

Kitchen

- a) * Sufficient size to allow the proper installation of all necessary equipment & per state building codes.
b) * Adequate dry and cold storage shall be provided to meet the requirements of the food service program including foodstff and paper products to be purchased in bulk.

Old Standards:

- Sq. Ft. based on 3 sq. ft. times the Elementary

ROOM #	ROOM NAME	EXIST'G SQ. FT.	DOE PROGRAM	DOE CAPACITY	EDUCATIONAL GUIDELINES
			ESA		
67	MAIN OFFICE	425			<u>Administrative Areas</u> a) Min. amount of administrative office space in a school building shall be 1,200 sq. ft. The min. size shall be based on staff of 6 individuals. For schools with more than 6 staff members add 120 sq. ft. per additional person for office and 60 sq. ft. per person in an open office arrangement. <i>Old Rule:</i> - Sq. Ft. based on 1.8 sq. ft. per pupil time the School Population.
68	CONFERENCE	248			
69	PRIV. ROOM	61			
70	PRINCIPAL	238			
		972		1200	
71	NURSE	306		300	<u>Nurse's Area</u> a) * Min. size of the nurse suite shall be 625 sq. ft. for schools with a design capacity greater than 750 pupils. Nurse suite for school with a design capacity of 750 or less shall be 300 sq. ft. b) * The nurse shall be provided with: - Exclusive administrative space - A waiting area - Exam area with a sink - Secure dry & refrigerated storage - Isolation area one cot per 200 pupils - Separate restroom
66	WAITING	289			
118	ENTRY CORRIDOR	274			
117	STOR	43			
53	STAFF	290			
54	TEACHERS	449			<u>Guidance Area</u> a) One counselor's office for every 500 pupils. Min. 100 sq. ft. office. b) Recommended design considerations: - Near library/media center to encourage pupil use. - Waiting room for receptionist-secretary, work table, shelving for books and bulletins, and filing cabinets. - Conference room for 12 people - Storage space for testing materials

Faculty Areas

- a) * Each teacher shall be provided with 64 sq. ft. min. of shared administrative space when that teacher is not conducting classroom instruction. This requirement may be fulfilled if that space is exclusively assigned to one teacher.

Old Rule:

Sq. Ft. based on 0.6 sq. ft. per pupil times the population.

ROOM #	ROOM NAME	EXIST'G SQ. FT.	DOE PROGRAM		EDUCATIONAL GUIDELINES

			FSC
45	STORAGE	257	
47	BOOK ROOM	262	
48	STORAGE	215	
49	BOILER	547	
50	JAN	100	
51	ELEC	56	
52	STORAGE	113	
55	BOYS	158	
56	GIRLS	150	
57	WOMEN	83	
58	GIRLS	105	
59	MEN	78	
60	BOYS	80	
78	STORAGE	249	
79	STORAGE	291	
80	BOYS	157	
81	GIRLS	134	
102	CUST.	60	
104	MEN'S	198	
105	WOMEN'S	309	
107	STORAGE	129	
108	STORAGE	226	

Facility Support Areas

- a) DOE has not set standards other than stating "sufficient storage shall be provided..."
Highly dependent on School District's use & needs.
 - b) Storage of supplies will vary pending bulk ordering supplies, in-house or contracted maintenance & custodial services.
 - c) Public use of facilities will alter the required toilet facilities, lobbies and exit corridor widths.
 - d) The use of computers and other communication technologies (visual, voice, data and security) will require utility rooms & wiring/equipment rooms and/or other such spaces.
 - e) Mechanical space will vary pending use of roof top units, unit ventilators, use of attics and mechanical mezzanines.
- Note: Mechanical sq. ft. space required - rule of thumb:
On roof 2% of gross building sq. ft.
Inside space 8% of gross building sq. ft.

Minimum site size and (maximum site size) for Land Acquisition.

Elementary * Five (5) acres minimum (10 acres maximum) of contiguous buildable land, plus one additional acre for each 100 pupils or fraction thereof for the design capacity of the school building.

* In all cases, if the design capacity of the core space is greater than the design capacity of the educational space, the site size shall reflect the higher number.

For sites where more than one level of school is located, the limits for the highest level shall govern.

Elementary Minimum required 5.00
Present total capacity - 495 pupils x 1 acre per 100 pupils = 5.00
Acres Req'd. 10.00

Present acres at the site gross 22.5 +/- acres