

Fred P. Hall Elementary School New Construction Project

Building Committee Meeting
July 1, 2015



Project Update

School Board 6/16/15 Vote

Site Approval Process:

- Traffic analysis conducted: mid-June
- Phase 1 Environmental Site Assessment: early July
- Geotechnical investigations: mid-July
- Meetings with City staff: ongoing
- Letters to State agencies: ongoing

Concept Design Process:

- Concept designs evolving
- Educational Specifications: refinement

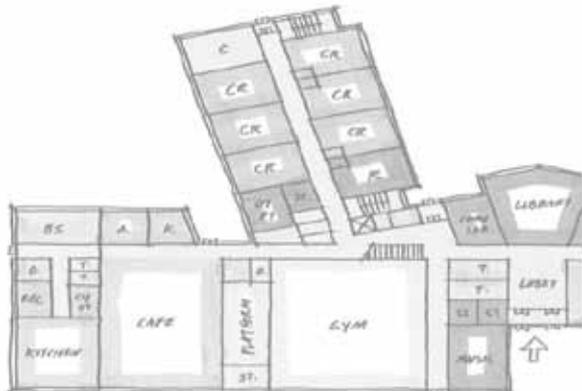
PUBLIC SCHOOL STANDARDS & GUIDELINES FOR NEW SCHOOL CONSTRUCTION & MAJOR RENOVATION PROJECTS



3

SPACE ALLOCATION GUIDELINES

2



T.O. PARAPET
125'-3"

DOF INSULATION, SEE ROOF
LAFS
LYWOOD SHEATHING
RND INSULATION
ILL. CAVITY W/ MINERAL WOOL
INSULATION
D NAILER
WEATHING
CONTINUOUS AIR BARRIER
NOW DASHED
LYWOOD SHEATHING
ETAL SIDING



DOE Design Process

Project features are designed using the Department of Education's Project Manual and input from Portland Public Schools

Chapter 1 Outlines Educational Specifications

Chapter 2 Outlines Space Allocation Guidelines for educational programs

Chapter 3 Provides requirements for building materials and systems



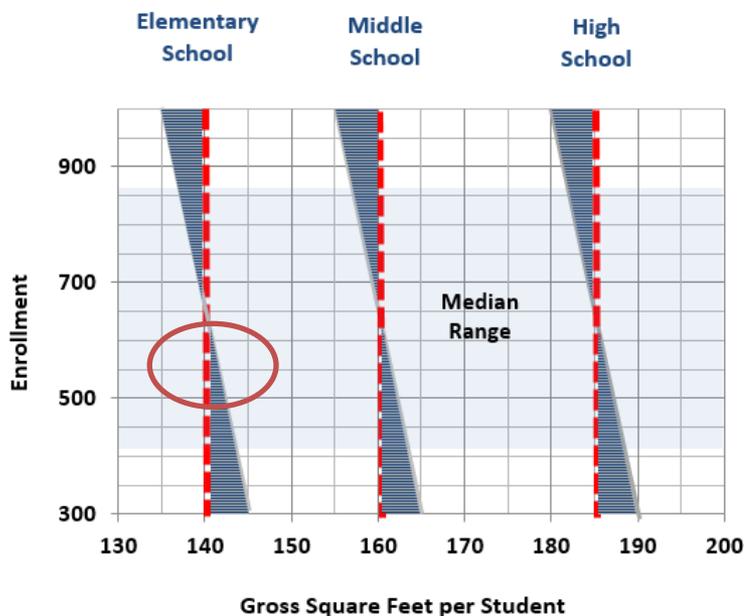
Capacity Review-Department of Education

Hall Elementary School District:
OAES Capacity Management
Many Rivers Program:
Functional Life Skills Program:

350 students
114 students (*estimated*)
50 students*
10-20 students

Total: 525 students +/-

* 100 total spaces spread over Grades 1 through 5, policy dictates that 50% minimum must be from Hall School District



DOE Square Footage Standards

Using the Maine Department of Education's Square Footage Standards, the building size is calculated:

$$525 \text{ Students} \times 143 \text{ sf/student} = 75,075 \text{ sf} \text{ +/-}$$

Site Design

Major Design Elements:

- Vehicular and pedestrian circulation (bus / parent / staff / student/ service)
- Emergency vehicle access (fire/EMS)
- Parking areas
- Playgrounds and play fields
- Outdoor classroom areas
- Building orientation to maximize daylighting

State funds:

- Parking: 1 space per FTE staff member + 15 visitor spaces
- Playgrounds: Soft area, hard court area, baseball field w/overlapping multi-purpose field. \$160/student for play equipment (or \$84,000 for 525 students)
- Landscaping: 0.1% of the building cost
- “Premium” items: vegetable gardens, porous pavement, green roofs, accent paving, benches, irrigation, locally-required enhancements

Hall Elementary School Site- *BFOF* Option A-Capacity: 525 Students



Fred P. Hall Elementary School



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architecture
engineering
planning

Hall Elementary School Site- *BFOF* Option B-Capacity: 525 Students



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Building Space Programming

Building Space Allocation:

- State funding for +/- 75,075 gross square foot building
- 60% program space / 40% support space

Major Space Categories:

- Grade-level classrooms
- Special Services (SpEd, ELL, OT/PT, etc.)
- Fine Arts (Music / Art)
- Learning Commons (Library)
- Physical Education (Gym)
- Food Service (Cafeteria/Kitchen)
- Technology Support
- Administration / Offices

Proposed Capacity 525

Existing Hall Elementary 480 students			
Space/Enrollment	# of rooms	Size	Total
Classrooms			
Regular Classroom			
Pre-K & Kindergarten			
Elementary School			
Pre-K	0	0	0
Kindergarten	2	1215	2430
Kindergarten	1	875	875
1st - 2nd Grade	4	900	3600
	1	1760	1760
3rd Grade	3	900	2700
4th Grade	3	900	2700
5th Grade	2	900	1800
1st - 2nd Grade (Many Rivers)	2	900	1800
3rd - 5th Grade (Many Rivers)	3	900	2700
Spanish	1	875	875
Computer Lab	1	875	875
Fine Arts			
Music			
Elementary School 300-600 Students	1	1195	1195
Art (Includes Storage & Kiln)			
Elementary School	1	915	915
Projects Room (Unified Arts/STEM)			
Elementary School			
Special Services			
Classrooms			
Elementary School			
Special Education K-2	1	875	875
Special Education 3-5	1	890	890
K-5 Resource	1	875	875
Title 1/ELL	1	890	890
Read 180/ELL	1	895	895
OT/PT	1	545	545
Speech	1	500	500
	1	160	160

Proposed Hall Elementary 525 Students						
Space/Enrollment	DOE Allowable Area (Square Feet)	# of rooms	Size	State/Local	Local Only	Total
Classrooms						
Regular Classroom						
Pre-K & Kindergarten	1,000					0
Elementary School	800					0
Pre-K		1	1000	1000		1000
Kindergarten		4	1000	1000		4000
1st Grade		3	800	800		2400
2nd Grade		3	800	800		2400
3rd Grade		3	800	800		2400
4th Grade		3	800	800		2400
5th Grade		3	800	800		2400
						0
1st Grade-Many Rivers		1	800	800		800
2nd Grade-Many Rivers		1	800	800		800
3rd Grade-Many Rivers		1	800	800		800
4th Grade-Many Rivers		1	800	800		800
5th Grade-Many Rivers		1	800	800		800
						0
Spanish		1	800	800		800
						0
Computer Lab		1	800	0	800	800
						0
Fine Arts						
Music						
Elementary School 300-600 Students	1,000	1	1000	1000		1000
Practice Room	80 - 150	1	150	150		150
Music Storage	Negotiable	1	200	200		200
Art (Includes Storage & Kiln)						
Elementary School	1,200 - 1,500	1	1500	1500		1500
Stage						
Elementary School 300-600 Students	1,000	1	1000	1000		1000
Projects Room (Unified Arts/STEM)						
Elementary School	Negotiable - Program Driven					0
Special Services						
Classrooms						
Elementary School	250 - 800					
Special Education K-2		1	800	800		800
Special Education 3-5		1	800	800		800
K-5 Resource		1	800	800		800
Title 1		1	800	800		800
Read 180		1	800	800		800
ELL		1	800	800		800
OT/PT		1	545	545		545
Speech		1	500	500		500

Existing Hall Elementary			
480 students			
Space/Enrollment	# of rooms	Size	Total
Other			
Recycling Room			
Elementary School			
Maintenance/Storage			
Building Area			
Program Area Subtotal			40475
Non-Assignable Areas (calculated)			13561
Total Building Area (calculated)			54036

Maximum State Funded Total Building Area			
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Proposed Hall Elementary						
525 Students						
Space/Enrollment	DOE Allowable Area (Square Feet)	# of rooms	Size	State/Local	Local Only	Total
Other						
Recycling Room						0
Elementary School	100-250	1	250	250		250
Parks and Recreation Office		1				
Parks and Recreation Storage		1				
Maintenance/Storage	Negotiable					
Building Area						
Program Area Subtotal						53212
Non-Assignable Areas (.4)						21285
Total Building Area (calculated)						74497

Maximum State Funded Total Building Area		525	143			75075
						75075



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