

EDUCATIONAL SPECIFICATIONS
for the
NEW LEBANON ELEMENTARY SCHOOL
25 Mead Avenue
Greenwich, CT



GREENWICH PUBLIC SCHOOLS
Greenwich, CT

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INTRODUCTION

SUMMARY

The Greenwich Public Schools is proposing a long-term, multifaceted solution to the achievement gap, racial imbalance, and facility utilization difficulties as presented in the 2014 Revised Racial Balance Plan. Many pilot programs and improvements are under way. Key components of the plan are the enhancement of the magnet programs at Hamilton Avenue and New Lebanon Schools. The district is planning to heavily market the International Baccalaureate (IB) magnet programs at New Lebanon Elementary and Dundee Elementary schools, and a new IB program at the Western Middle School. The district is proposing to add public transportation to the Hamilton Avenue and New Lebanon magnet schools.

The New Lebanon school facility will be built to attract students and families from the entire Town of Greenwich who are interested in an IB education. The facility needs to be sized to accept the larger enrollment from the catchment area, add space for magnet students from other areas in town, and add classrooms to restore the universal Pre-Kindergarten program.

To attract magnet students, this plan proposes to build a 21st century Learning Campus for a high performing educational system. Early education will begin with a Pre-K program, enhanced by the IB program and the Digital Learning Environment education initiative. The school facility will be built to foster “international, holistic, inquiry-based and collaborative learning” provided by the IB program.

The project will require a substantial investment, and the 80% reimbursement that New Lebanon would be eligible for under C.G.S. 10-286h is critical to affording this approach. Approval of this plan by the Commissioner of Education is part of the requirement in 10-286h.

Process Overview

The Board of Education of the Greenwich Public School district engaged the services of Peter Gisolfi Associates Architects • Landscape Architects (PGA) to assist in the preparation of Education Specifications for the New Lebanon School. The architects and landscape architects visited the New Lebanon School on several occasions to evaluate the school’s current limitations and overcrowded conditions. They met with the school’s administration and staff to review space needs and the educational program. The team had bi-weekly meetings with an advisory committee during the summer of 2014. The committee established the project objectives, adopted the program for the school, discussed various alternative solutions, and approved the final plan.

Meeting Dates

The committee met every 2 weeks on the following dates:
June 24th, July 10th, July 29th, August 14th, August 27th, September 3rd, September 19th and December 2nd.

Committee Members

<i>Greenwich Board of Education</i>	Barbara O’Neil, Chairman (ex-officio) Peter von Braun, Member
<i>Greenwich Public Schools</i>	William McKersie, Superintendent Ben Branyan, Managing Director of Operations Ronald Matten, Director of Facilities
<i>New Lebanon School</i>	Barbara Riccio, Principal Carolyn Spence, Teacher Erin John, Teacher Clare Kilgallen, PTA Mike Bocchino, PTA
<i>Board of Estimate and Taxation</i>	William Drake Jeff Ramer
<i>Representative Town Meeting</i>	J. Robert Tuthill
<i>Peter Gisolfi Associates</i>	Peter Gisolfi, AIA, ASLA, LEED AP, Senior Partner Michael Tribe, AIA, LEED AP, Partner Diane Abate, RA, Associate

EDUCATIONAL CHALLENGES AND INITIATIVES

Educational Objectives

The 2014 Revised Racial Balance Plan was developed within the context of the Greenwich Public School’s mission, the “vision of the graduate,” and the “strategic educational vision of the future.”

- The mission defines the objectives of the educational system;
- The “vision of the graduate” covers the academic, personal and interpersonal goals for each student; and
- The “strategic vision of the future” prioritizes the implementation of educational standards, learning strategies and innovative educational models that move the school district towards a coherent, interactive, educational system.

Enrollment Data

The State Board of Education identified the continued racial imbalance at Hamilton Avenue and New Lebanon schools in May of 2012. The District concluded that the magnet programs at both schools needs to be modified in order to solve this issue. Further analysis also showed potential future overcrowding in some elementary schools.

The consulting firm of Milone and McBroom (M&M) was hired to complete a demographic study (October 2013) and an existing conditions analysis, revised November 29, 2014 (see Supplemental Material). Their analysis included the following:

- Enrollment projections show stability at all levels, with an increase in the number of students at Cos Cob, Glenville, Hamilton Avenue, and New Lebanon, and a decrease in the number of students at North Street, Parkway and Riverside.
- Facility utilization remains between 90% and 95% for all elementary schools.
- Due to the increase in student population, the 95% target utilization rate will not be met by some of the schools unless the current class size of 19.5 students per classroom is increased, and the dedicated use of special classrooms is modified.

The findings of the M&M study show that the K-5 program cannot consistently operate within the current guidelines.

- Five schools will be operating at 10% above the target capacity; New Lebanon and Cos Cob will be operating at 20% above capacity.
- Four schools will be operating at 20% below capacity, with Parkway at 50% below the 95% utilization target.
- Hamilton Avenue and New Lebanon, where the minority enrollment is projected to increase, will continue to be identified by the State as racially imbalanced. The magnet programs, as designed at the time of the study, at both of these schools will not change the racial imbalance or the facility utilization problems.
- The district should keep all elementary schools open based on the overall 90% to 95% utilization rate predicted.

Racial Imbalance at New Lebanon

According to the report titled, *Racial Imbalance in the Hamilton Avenue and New Lebanon Attendance Areas*, dated 7/3/2012, by Milone & McBroom, the percentage variance of minority students attending the New Lebanon School, as compared to the district average, will increase in the next four years from 36.9% to 40%. A school must be below the 25% variance within the district's average minority population to be considered racially balanced.

New Lebanon School Crowding

The district's average Elementary School space allocation per student is 154 sf per student and at peak enrollment will be 148 sf per student. New Lebanon is currently at 138 sf per student. Both of these are below the district average. (*see Enrollment and Space Allocation Comparison on page 11*).

- The Kindergarten program at the New Lebanon school has temporarily been relocated out of the school for the 2014/15 school year in order to relieve some of the overcrowding. The Kindergarten children are bused back to school for the lunch period and specials (Art, Music and P.E.). This relocation only exacerbates the difficulties in providing services to these students.
- The pre-Kindergarten program was moved out of the school for the 2012-13 school year in order to relieve overcrowding.
- The New Lebanon magnet school has a moratorium in accepting students from other parts of town due to overcrowded conditions.
- The reading specialist, advanced learning programs, OT/PT, and psychologist meet with students in very small rooms or repurposed closets.
- The school has no conference room; private offices are used as conference spaces.
- The cafeteria is undersized which severely impacts lunch and overall school schedule. The kitchen is very small.
- The gym/auditorium is undersized.
- The media center is undersized, limiting its use and resources.
- The music room and art room are undersized.

Achievement Gap

The Board of Education commissioned an in-depth study involving all stakeholders to develop a plan to improve the racial balance, reduce the achievement gap, and the address overcrowded or underutilized school facilities in the district.

The study, completed by the Connecticut Center for School Change, addressed the district needs defined by the BOE (see Supplemental Material). Their findings suggest several strategies to close the achievement gap and improve the racial balance between schools. Their recommendations to “improve and sustain high performance for all students include a sense of urgency and willingness to do whatever it takes...” are listed below:

- “Create affordable, high-quality preschool to reduce the preparation gap.”
- “Expand learning time beyond the normal school day and in summer to accelerate learning.”
- “Increase intellectual rigor demanded of students within classrooms.”
- “Strengthen data systems and data usage to track critical questions relative to accelerating learning.”
- “Create comprehensive parent and community engagement strategies.”
- “Consider strategies that can reduce concentration effects.”

The Revised Racial Balance Plan (see Supplemental Materials) includes these recommended strategies, and defines a blueprint to implement improvements in the district.

Magnet School Revised Guidelines

The magnet program at the Dundee School improved the facility's utilization in the eastern section of Greenwich. The magnet program at the Julian Curtis School improved the racial balance issue. The magnet schools at Hamilton Avenue and New Lebanon were less successful for the following reasons:

- Growth in the attendance area enrollment reduced the number of magnet seats;
- Growth in the minority enrollment within the attendance area exacerbated the racial imbalance;
- The magnet theme at Hamilton Avenue was designed to reduce the achievement gap of the students from the attendance area rather than attracting students from outside the area.

International Baccalaureate Program

The Greenwich Public School district has two magnet elementary schools—Dundee (2000/01) and New Lebanon (2012)—and one middle school, Western Middle School (2013/14), offering the International Baccalaureate program. The IB program is a research- and evidence-based educational model that provides a unique framework for teaching and learning. The focus of the IB program is on “international, holistic, inquiry-based and collaborative learning.” A survey of the IB educational system in 2012 not only received very high ratings from students, teachers and parents, but also produced a high percentage of high-achieving students that outperformed non-IB students in the district.

Based on the success of the IB system on the western side of town, the IB magnet school program at New Lebanon was launched to (1) improve racial balance and (2) reduce the achievement gap. Changing demographics hampered the success of the program because of very limited seats, no transportation, and minimum marketing. The increased number of students in the catchment area has forced a moratorium on the IB program at New Lebanon for new magnet students from other areas of Greenwich until the facility can be expanded.

Digital Learning Environment

The district started a three-phase Digital Learning Environment (DLE) educational initiative to accelerate the achievement of all students, and transform teaching and learning. The goals of the DLE are:

1. Critical thinking;
2. Self-regulated learning;
3. Access to quality feedback;
4. Personalized learning and readiness for the Smarter Balanced Assessment (SBA).

RACIAL BALANCE PLAN

The 2014 Revised Greenwich Racial Balance Plan (see Supplemental Materials) builds on the plan submitted in 2007 with new demographic information. The revised plan seeks to narrow the achievement gap, minimize overcrowded and underutilized facilities in the district, and improve racial balance by implementing the following changes:

- Add educational program enhancements to accelerate achievement by:
 - Improving K-3 reading;
 - Adding personalized instruction with new technology;
 - Collecting data to drive instruction;
 - Proposing increased parent involvement strategies; and
 - Adopting high achievement goals.
- Target these enhancements at the three Title I magnet schools—Hamilton Avenue, New Lebanon and Julian Curtis—to make them more attractive to new magnet families.
- Renovate and expand the New Lebanon School or build a new school facility to replace the existing building. This would solve overcrowding, increase neighborhood enrollment, create additional magnet seats, and provide spaces for all of the programs offered in a 21st century learning environment.
- Offer the International Baccalaureate educational program at New Lebanon and Dundee. The newly created IB magnet program at Western Middle School will be heavily marketed to encourage families to embrace the IB system and choose the feeder elementary schools that implement the IB program.
- Encourage voluntary movement within the district by modifying the existing rules concerning magnet school programs.
- Add district-wide busing to provide easy access to the Hamilton Avenue and New Lebanon magnet schools.

NEW LEBANON SCHOOL PROJECT RATIONALE

The Board of Education listened closely to suggestions from the New Lebanon School community stakeholders, and decided that the critical priority was improving academic achievement. Accordingly, racial imbalance and school facility utilization issues would also improve. The following planning strategies were adopted:

- *Maintain the current neighborhood elementary school system.* The community strongly supports this model, and the district will continue to support it as well.
- *Improve the high-performing magnet schools.* This would attract families from outside the catchment areas of these schools and, thus, would improve racial balance.
- *Increase the capacity of the New Lebanon magnet school.* This would accommodate the growing student population in the attendance area, and provide additional capacity to attract magnet students from other areas in town.

NEW LEBANON ELEMENTARY SCHOOL

Educational Specifications

- *Update the Hamilton Avenue magnet program.* A new magnet theme will be selected for this year and implemented during the 2015/16 school year. In 2014/15, Hamilton Avenue will become the pilot school for the district's Digital Learning Environment. The new program aims at closing the achievement gap by accelerating learning through technology.
- *Open the Western Middle School as an International Baccalaureate magnet school.* This would be done for the 2014/15 school year.
- *Impose a moratorium at the New Lebanon School.* The magnet school guidelines have been temporarily modified by imposing a moratorium at New Lebanon school due to overcrowding.
- *Provide public transportation to magnet students attending New Lebanon and Hamilton Avenue.* This would start in the 2015/16 school year.
- *Restore the pre-Kindergarten program at the New Lebanon school.* A universal pre-Kindergarten program will greatly improve language skills for students coming into the system.
- *Market the IB program at New Lebanon and Western Middle School heavily.* It is important for the community to understand the benefits of the IB program.
- *Consider expanding learning beyond normal school hours and in the summer to accelerate learning.* This strategy is currently under review.

NEW LEBANON SCHOOL PROJECT DESCRIPTION

The Greenwich Board of Education established an Advisory Committee to prepare Educational Specifications for the New Lebanon School for submission to the State Board of Education. The Advisory Committee established clear project objectives, reviewed site and building analyses presented by the consultants, created a program of space requirements, and participated in lively discussions evaluating the many pros and cons of various site and building alternatives. The final decision compared renovating and expanding the existing school to building a new school.

Project Objectives

The following project objectives were adopted as guidelines for assessing alternative solutions, and as overall goals for the proposed plan.

- International Baccalaureate School / Inquiry and Project-based Learning
- Flow / Legibility / Inclusion
- Welcoming / Communal / Informal Gathering / Safe Environment
- Expressive / Design that Fits and Belongs to the Surrounding Community
- Transparency / Connection to the Natural Environment
- Secure Environment / Passive Observation of Students and Visitors
- Showcase Student Work

Project Objectives (continued)

- Child-scaled
- Media Center at the center of the school
- Community Green / Accessible Outdoor Play Spaces / Variety in Scale and Activities
- 21st Century Design / Digital Technologies for the Future
- Sustainable / Model of Sustainable Practice—Constant Teaching Tool

Community Learning Campus

The immediate New Lebanon school neighborhood includes the Byram Shubert Library and an undersized field that has limited use. The Byram Library is well used by the New Lebanon students after school and weekends; it offers many programs for elementary school children and for the entire Byram community. Byram Shubert and New Lebanon are exploring shared educational programs that would integrate the library and the school in to a “Community Learning Campus.”

Community Uses

The New Lebanon School will add needed spaces that will serve the community in various ways. The facility will be used by such groups as:

- Greenwich Parks and Recreation Department
- Scouting organizations
- Civic organizations
- Municipal Boards and groups
- Adult Education
- Parent Teacher Organization
- Registrar of Voters

Site Issues

During the site analysis phase several issues were identified:

- Steep slopes to the east of the existing school drop 27 feet in to a heavily wooded ravine. Further investigation identified wetlands approximately 75’ south of the school at the lowest level of the ravine, close to Interstate 95 (see Supplemental Material).
- Parking is limited and shared with the Byram library. Additional parking should be included in the final plan.
- The current playground located at the south end of the building is undersized.
- The field has no storage and is too far away for use during gym classes.
- The current driveway is small and crowded. If this current configuration is maintained, bus drop-off and pick-up will be challenging.

NEW LEBANON ELEMENTARY SCHOOL

Educational Specifications

Building Conditions

The New Lebanon School was built in 1956 with two subsequent classroom additions. Typical of the decade, the school was built in a 1950s modern style as a one-story building with masonry and glass facades, and a flat roof. Although the building is well maintained, there are inherent design and construction deficiencies that reduce its life expectancy and incur high operating and maintenance costs. One of the repeated complaints about the building is the lack of local temperature controls and rooms that are constantly too hot or too cold.

The school was designed for a different population and educational system. Any renovations will be limited by the original building design. Many of the classrooms are sized correctly but all the special classrooms, gym, administration and small group learning rooms are undersized. The small cafeteria and kitchen impact the school schedule.



PROGRAM OF SPACE REQUIREMENTS

The Greenwich Public School district adopted the Glenville School program as an informal “benchmark” for the space requirements at the New Lebanon School. The following program of space requirements for New Lebanon evolved from the informal benchmark, school specific requirements, and committee recommendations.

“BENCHMARK” ANALYSIS

	GLENVILLE	NEW LEBANON	
	(District Benchmark)	Existing	Proposed (Base + Pre K + Magnet)
OVERALL			
Gross Building Area (sf)	65,000	37,000	57,946
Current Student Population	426	264	n/a
Average sf/Student	153	138	n/a
8-yr High Student Population	467	271	374
Average sf/Student	139	136	155
INSTRUCTIONAL SPACES			
Pre-K	0	0	1,000 sf
Kindergarten	1,000 sf	1,040 sf	1,000 sf
First Grade	900 sf	775 sf	850 sf
Second Grade	850 sf	820 sf	850 sf
Third Grade	850 sf	855 sf	850 sf
Fourth Grade	850 sf	770 sf	850 sf
Fifth Grade	850 sf	850 sf	850 sf
CLASSROOM INVENTORY			
Instructional Classrooms	22	14	21
Average Class Size (K-5)	21.2	19.35	17.8
Average per Student	42 sf	44 sf	50 sf
CORE COMMON AREAS			
Cafeteria with Kitchen	3,605 sf	1,570 sf	3,500 sf
Current / 8-yr High: Av. per Student	8.4 sf / 7.7 sf	5.9 sf / 5.8 sf	9.3 sf
Gymnasium/Auditorium	6,480 sf	3,388 sf	6,500 sf
Current / 8-yr High: Av. per Student	15 sf / 13.8 sf	12.7 sf / 12.5 sf	17.4 sf
Media Center	4,250 sf	2,207 sf	4,150 sf
Current / 8-yr High: Av. per Student	10 sf / 9.1 sf	8.3 sf / 8.2 sf	11 sf

Revised enrollment numbers indicate that the New Lebanon School population will increase in the next five years to 279 students. The proposed Pre-Kindergarten program will add 45 students and the magnet program will add 50 seats, increasing the school population to 374 students.

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Educational Specifications

The following chart, with the latest enrollment data, compares the sizes of the elementary schools throughout the district based on square footage per student. Excluding the Parkway School, the average size of the other schools varies between 148 to 154 square feet per student as enrollment data varies from one year to the next.

*The average size of all elementary schools excluding New Lebanon and Parkway is 64,863 sf and the average enrollment for these schools is 410 sf providing a district size of 158 sf /student.

ENROLLMENT AND SPACE ALLOCATION COMPARISON (ALL ELEMENTARY SCHOOLS)

SCHOOL	SIZE (SF)	ENROLLMENT**		SPACE PER STUDENT (SF)	
		2014/15	MAX.	2014/15	Max.
Cos Cob	83,270	438	480	190	173
Dundee	52,126	370	370	141	141
Glenville	65,000	426	467	153	139
Hamilton Avenue	58,800	341	367	172	160
Julian Curtiss	69,600	367	367	190	190
New Lebanon	37,000	264	279	140	133
North Mianus	59,122	487	487	121	121
North Street	58,063	358	358	162	162
Old Greenwich	75,187	400	410	143	139
<i>Parkway *</i>	<i>52,100</i>	<i>213</i>	<i>235</i>	<i>245</i>	<i>222</i>
Riverside	62,600	499	499	125	125
AVERAGE (including NL)	62,076	395	409	154	148
AVERAGE (excluding NL)	64,863	410	423	158	154

*Not included in average calculation

**Milone & McBroom demographic study (see Supplemental Material: GPS Enrollment Projection Report)

***Max is based on highest enrollment from 2014/15 - 2022/23 (see Supplemental Material)

The proposed New Lebanon School at 58,000 sf and 374 students would provide approximately 155 square feet per student which is within the district average.

The capacity of the proposed New Lebanon School is substantially larger than the current school capacity. The school will need 21 regular classrooms including three Pre-K classrooms. All common areas and special classrooms need to be expanded. The program also requires the expansion of administration and special use areas. The proposed program of space requirements is outlined on the next two pages.

PROGRAM OF SPACE REQUIREMENTS

Projected 8 Year Enrollment	DRAFT PROGRAM REQUIREMENTS 279 Base + 45 PreK+ 50 Magnet = 374 PK-5			
Description	Req. # of Rooms	Square Feet Per Room		Total Area
Instructional Spaces				
Pre-Kindergarten Classrooms (w/ toilets)	3	1,000	sf	3,000 sf
Kindergarten Classrooms (w/ toilets)	3	1,000	sf	3,000 sf
1st Grade Classrooms (w/ toilets)	3	850	sf	2,550 sf
2nd Grade Classrooms	3	850	sf	2,550 sf
3rd Grade Classrooms	3	850	sf	2,550 sf
4th Grade Classrooms	3	850	sf	2,550 sf
5th Grade Classrooms	3	850	sf	2,550 sf
		Net Subtotal:		18,750 sf
Special Instructional				
Art Studio w/ Kiln & Storage	1	900	sf	900 sf
General Music Room	1	800	sf	800 sf
Instrumental Music Room	1	900	sf	900 sf
Earth Science & Physics Lab	1	900	sf	900 sf
Advanced Learning Program (ALP) Classroom	2	350	sf	700 sf
Reading Rooms	2	350	sf	700 sf
World Language Room	1	200	sf	200 sf
ESL Classroom	2	350	sf	700 sf
		Net Subtotal:		5,800 sf
Special Education				
Special Education Resource Room	2	350	sf	700 sf
Occupational Therapy & Physical Therapy (OT/PT) Room	1	400	sf	400 sf
		Net Subtotal:		1,100 sf
Administration and Support				
Principal's Office	1	200	sf	200 sf
Assistant Principal's Office	1	175	sf	175 sf
Secretarial Area	1	500	sf	500 sf
Main Conference Room	1	200	sf	200 sf
Health Services (w/ toilet)	1	300	sf	300 sf
Faculty Lounge (w/ toilet)	1	300	sf	300 sf
Social Work Office	1	150	sf	150 sf
Psychologist Office	1	150	sf	150 sf
Speech/Language Pathologist Office	1	150	sf	150 sf
Special Education Meeting Room	1	150	sf	150 sf
Teacher Workroom	1	200	sf	200 sf
Gym Office	1	100	sf	100 sf
		Net Subtotal:		2,575 sf

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Educational Specifications

Core Common Areas					
Library-Media Center (includes computer lab)	1	3,740	sf	3,740	sf
Cafeteria w/ Kitchen	1	3,000	sf	3,000	sf
Gymnasium/Auditorium	1	5,000	sf	5,000	sf
Gym / Auditorium Storage	1	550	sf	550	sf
Auditorium Stage	1	875	sf	875	sf
				Net Subtotal:	13,165 sf
Total Net Program Area				41,390	sf
Service					
Custodial Office	1	150	sf	150	sf
Custodial Locker Area (Women/Men)	2	75	sf	150	sf
Toilet Rooms (Girls/Boys)	4	200	sf	800	sf
Toilet Rooms (Women/Men)	4	90	sf	360	sf
IT Work Room	1	125	st	125	sf
IT Closets	2	50	sf	100	sf
General Storage	1	400	sf	400	sf
Receiving / Storage	1	200	sf	200	sf
Mechanical Room	1	745	sf	745	sf
				Net Subtotal:	3,030 sf
Circulation				22.68%	9,387 sf
Walls & Shafts				10.00%	4,139 sf
Gross Building Factor (GBF)				40.0%	16,556 sf
Total Building Gross = Total Net Program Area + GBF				57,946	sf
Deduct Exterior Wall Area for Grant Calculation Purposes				7.74%	3,187 sf
Total Building Gross for use in State Grant Reimbursement Chart (pg. 49)				54,759	sf

SPACE REQUIREMENT SPECIFICATIONS: INSTRUCTIONAL SPACES

Unless otherwise noted, the standard furnishings for every classroom noted below are expected to include:

- ADA Compliant building standards
- Wireless Internet access to support at least 30 mobile devices
- Windows for natural light
- Room darkening shades
- Acoustical insulation for soundproofing
- Multiple electrical and data outlets
- Sound Field System
- Air conditioning
- Telephone

EARLY CHILDHOOD: PRE-KINDERGARTEN (Full Day)	
Space: 1,000 square feet (each) Number: Three (3) classrooms	
Toilet	<ul style="list-style-type: none"> • ADA accessible toilet room with sink within classroom at a level appropriate for children ages 3 to 5.
Sinks	<ul style="list-style-type: none"> • Stainless steel sink with laminate countertops, ADA accessible • In-room drinking fountain, ADA accessible • Soap and towel dispense, ADA accessible
Access	<ul style="list-style-type: none"> • Must be located at ground level • Direct access to outdoor play area is desirable
Classroom Storage	<ul style="list-style-type: none"> • Built-in bookcases • Storage areas • Counters under windows where appropriate
Teacher Storage	<ul style="list-style-type: none"> • Lockable teacher storage wardrobe • One (1) lockable four-drawer filing cabinet
Student Storage	<ul style="list-style-type: none"> • Coat and personal storage area (cubbies) for twenty (20) located within the classroom
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable, two-circuit lighting
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile and two (2) area rugs per room
Display	<ul style="list-style-type: none"> • Whiteboard • Bulletin Boards
Student Furniture	<ul style="list-style-type: none"> • Two (2) kidney-shaped tables • Student chairs/tables to accommodate up to twenty (20) students
Teacher Furniture	<ul style="list-style-type: none"> • Teacher desk/chair
Other Furniture	<ul style="list-style-type: none"> • Water and sand table • Reading chair • Make believe play area
Special Needs/Equipment	<ul style="list-style-type: none"> • Gross motor sensory materials • OT equipment
Classroom Technology	<ul style="list-style-type: none"> • Interactive touch screen white board • LCD projector • AV switcher control system
Computers	<ul style="list-style-type: none"> • Two (2) teacher computers • One (1) Computer cart with twenty-two (20) devices per grade level

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Educational Specifications

EARLY CHILDHOOD: KINDERGARTEN (Full Day)	
Space: 1,000 square feet (each) Number: Three (3) classrooms	
Toilet	<ul style="list-style-type: none"> • ADA accessible toilet room with sink within classroom at a level appropriate for children ages 4 to 6
Sinks	<ul style="list-style-type: none"> • Stainless steel sink with laminate countertops, ADA accessible • In-room drinking fountain, ADA accessible • Soap and towel dispenser, ADA accessible
Access	<ul style="list-style-type: none"> • Must be located at ground level • Direct access to outdoor play areas is desirable
Classroom Storage	<ul style="list-style-type: none"> • Built-in bookcases • Storage areas • Counters under windows where appropriate
Teacher Storage	<ul style="list-style-type: none"> • Lockable teacher storage wardrobe • One (1) lockable four-drawer filing cabinet
Student Storage	<ul style="list-style-type: none"> • Coat and personal storage area for twenty-four (24) located within the classroom
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable, two-circuit lighting
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile and two (2) area rugs per room
Display	<ul style="list-style-type: none"> • Whiteboard • Bulletin Boards
Student Furniture	<ul style="list-style-type: none"> • Two (2) kidney-shaped tables • Student chairs/tables to accommodate up to twenty-four (24) students
Teacher Furniture	<ul style="list-style-type: none"> • (2) Teacher work stations
Other Furniture	<ul style="list-style-type: none"> • Water and sand table • Reading chair • Make believe play area • Block storage
Special Needs/Equipment	<ul style="list-style-type: none"> • Gross motor sensory materials • OT equipment
Classroom Technology	<ul style="list-style-type: none"> • Interactive touch screen white board • LCD projector • AV switcher control system
Computers	<ul style="list-style-type: none"> • Two (2) teacher computers • Four (4) student computers • One (1) Computer cart with twenty-two (24) devices per grade level

SPACE REQUIREMENT SPECIFICATIONS (continued)

EARLY ELEMENTARY: GRADES ONE AND TWO	
Space: 850 square feet (each)	
Number: Six (6) classrooms, three (3) for each grade	
Toilet	<ul style="list-style-type: none"> • ADA accessible toilet room with sink within Grade One classrooms only at a level appropriate for age. Second Grade classrooms shall be located in close proximity to toilet facilities.
Sinks	<ul style="list-style-type: none"> • Stainless steel sink with laminate countertops, ADA accessible • In-room drinking fountain, ADA accessible • Soap and towel dispenser, ADA accessible
Access	<ul style="list-style-type: none"> • Grade One must be at ground level • Direct access to outdoor play area is desirable
Classroom Storage	<ul style="list-style-type: none"> • Built-in bookcases • Storage areas • Counters under windows where appropriate
Teacher Storage	<ul style="list-style-type: none"> • Lockable teacher storage wardrobe • One (1) lockable four-drawer filing cabinet
Student Storage	<ul style="list-style-type: none"> • Coat and personal storage area for twenty-six (26) located within the classroom
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable, two-circuit lighting
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile and two (2) area rugs per room
Display	<ul style="list-style-type: none"> • Whiteboard • Bulletin Boards
Student Furniture	<ul style="list-style-type: none"> • Two (2) kidney-shaped tables • Student chairs/tables to accommodate up to twenty-six (26) students
Teacher Furniture	<ul style="list-style-type: none"> • Teacher workstation
Other Furniture	<ul style="list-style-type: none"> • Reading chair • Flexible mobile storage units
Classroom Technology	<ul style="list-style-type: none"> • Document Camera • Interactive touch screen white board • LCD projector • AV switcher control system
Computers	<ul style="list-style-type: none"> • Two (2) teacher computers • Four (4) student computers • One (1) Computer cart with twenty-six (26) devices per grade level

NEW LEBANON ELEMENTARY SCHOOL

Educational Specifications

INTERMEDIATE: GRADES THREE, FOUR, AND FIVE	
Space: 850 square feet (each)	
Number: Nine (9) classrooms, three (3) for each grade	
Toilet	<ul style="list-style-type: none"> Toilet facilities, with ADA accommodations located in close proximity to classrooms
Sinks	<ul style="list-style-type: none"> Stainless steel ADA accessible sink with laminate countertops Water fountain in close proximity, ADA accessible ADA accessible soap and towel dispenser
Classroom Storage	<ul style="list-style-type: none"> Built-in bookcases Storage areas Counters under windows where appropriate
Teacher Storage	<ul style="list-style-type: none"> Lockable teacher storage wardrobe One (1) lockable four-drawer filing cabinet
Student Storage	<ul style="list-style-type: none"> Coat and personal storage area for twenty-eight (28) located within the classroom
Lighting	<ul style="list-style-type: none"> Soft color, dimmable, two-circuit lighting
Flooring	<ul style="list-style-type: none"> Vinyl enhanced tile and two (2) area rugs per room
Display	<ul style="list-style-type: none"> Whiteboard Bulletin Boards
Student Furniture	<ul style="list-style-type: none"> Two (2) kidney-shaped tables Student chairs/tables to accommodate up to twenty-eight (28) students
Teacher Furniture	<ul style="list-style-type: none"> Two (2) Teacher workstations
Special Needs/Equipment	<ul style="list-style-type: none"> Digital interactive tables
Classroom Technology	<ul style="list-style-type: none"> Interactive touch screen white board LCD projector AV switcher control system
Computers	<ul style="list-style-type: none"> One (1) teacher computers Six (6) student computers One (1) Computer cart with twenty-eight (28) devices per grade level

SPACE REQUIREMENT SPECIFICATIONS (continued)

ART STUDIO	
Space: 900 square feet Includes: 800 sf Art Studio 50 sf Kiln Room 50 sf Storage Room	
Toilet	<ul style="list-style-type: none"> N/A
Sinks	<ul style="list-style-type: none"> Minimum two (2) deep sinks with clay traps in addition to one (1) ADA accessible sink all in the same location; stepped configuration to accommodate age levels and to meet ADA requirements.
Classroom Storage	<ul style="list-style-type: none"> Lockable closets Easily accessible cabinets and shelves in a range of sizes. Vertical file tube storage cabinets with locks Two (2) kitchen-type mobile carts with shelves Large flat (14) draw file
Teacher Storage	<ul style="list-style-type: none"> Lockable teacher storage wardrobe One (1) lockable four-drawer filing cabinet
Lighting	<ul style="list-style-type: none"> Adjustable studio lights above carpet & demo table
Flooring	<ul style="list-style-type: none"> Sheet linoleum and one (1) area rug
Display	<ul style="list-style-type: none"> Two-sided fully locked showcase on room's corridor wall Whiteboard Bulletin Boards
Student Furniture	<ul style="list-style-type: none"> Twenty-eight (28) stools
Teacher Furniture	<ul style="list-style-type: none"> Teacher work station
Other Furniture	<ul style="list-style-type: none"> (6) Six Rectangular butcher block work tables to seat 4 students each (1) Large demo table
Special Needs/Equipment	<ul style="list-style-type: none"> One (1) small kiln to be appropriately located and sized Drying racks Book racks and magazine shelves (fine art area) Four (4) sturdy wooden adjustable painting easels Two (2) large rolling barrels Eyewash station Cutting board station (6) Floor convenience outlets Spray Booth
Classroom Technology	<ul style="list-style-type: none"> Interactive touch screen white board LCD projector AV switcher control system
Computers	<ul style="list-style-type: none"> One (1) teacher computer Four (4) student computers networked to 3D printer Color Printer

NEW LEBANON ELEMENTARY SCHOOL

Educational Specifications

GENERAL MUSIC ROOM AND INSTRUMENTAL MUSIC ROOM	
Spaces: 800 square feet General Music Room 900 square feet Instrumental Music Room	
Toilet	<ul style="list-style-type: none"> N/A
Sinks	<ul style="list-style-type: none"> Large ADA accessible sink in Instrumental Music room to submerge brass instruments for cleaning
Classroom Storage (each room)	<ul style="list-style-type: none"> Built-in storage for instruments (low built-in cubbies at room entrance) Music cabinets for sheet music storage (each room) Built-in bookcase (16" x 15') Storage for conductor and music stands
Teacher Storage	<ul style="list-style-type: none"> Lockable teacher storage wardrobe One (1) lockable four-drawer filing cabinet
Lighting	<ul style="list-style-type: none"> Soft color, two-circuit lighting
Flooring	<ul style="list-style-type: none"> Carpet tiles
Display	<ul style="list-style-type: none"> Two 8 ft. whiteboards, one with permanent musical staff lines (each room) Display boards
Student Furniture	<ul style="list-style-type: none"> Seventy(70) stackable chairs Ten (10) Instrumental chairs
Teacher Furniture	<ul style="list-style-type: none"> Teacher work station
Other Furniture	<ul style="list-style-type: none"> Seventy (70) music stands for instrumental room Two (2) Conductor's stands Chorus Riser
Special Needs/Equipment	<ul style="list-style-type: none"> Piano (General Music Room) Sound deadening/sound proof walls Acoustical divider built across the instrumental music room to divide the space into two separate practice rooms Acoustical treatment of ceilings and walls
Classroom Technology	<ul style="list-style-type: none"> Document Camera Interactive touch screen white board LCD projector AV Switcher Control System Audio Recording System
Computers	<ul style="list-style-type: none"> One (1) teacher computer Two (2) student computers (SMART Music)

SPACE REQUIREMENT SPECIFICATIONS (continued)

EARTH SCIENCE & PHYSICS LAB*	
Space: 900 square feet	
Toilet	<ul style="list-style-type: none"> N/A
Sinks	<ul style="list-style-type: none"> Three (3) sinks with acid neutralization tank & plumbing and chemical resistant counter tops. (at min. provide one ADA accessible sink with countertop) ADA accessible in-room drinking fountain ADA accessible soap and towel dispensers
Access	<ul style="list-style-type: none"> In close proximity to general education classrooms
Classroom Storage	<ul style="list-style-type: none"> Built-in bookcases Locked closet for audio-visual equipment and science equipment Cabinets to be deep, with adjustable / removable shelving, and space for large bin storage.
Teacher Storage	<ul style="list-style-type: none"> Lockable teacher storage wardrobe One (1) lockable four-drawer filing cabinet
Lighting	<ul style="list-style-type: none"> Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> Sheet linoleum
Display	<ul style="list-style-type: none"> Two-sided fully locked showcases on room's corridor wall Whiteboard Bulletin Boards
Student Furniture	<ul style="list-style-type: none"> Age-appropriate student furniture (26 students)
Teacher Furniture	<ul style="list-style-type: none"> Teacher station with ADA accessible demonstration table
Other Furniture	<ul style="list-style-type: none"> Thirteen (13) movable laboratory tables with grommets and integral wire management tray
Special Needs/Equipment	<ul style="list-style-type: none"> Mobile, flexible, work top areas with water for science activities.
Classroom Technology	<ul style="list-style-type: none"> Document Camera Interactive Touch Screen White Board LCD Projector AV Switcher Control System Electrical outlets at perimeters & counter heights
Computers	<ul style="list-style-type: none"> Thirteen (13) student tablets One (1) teacher computer

* Meet Elementary School Safety Standards

NEW LEBANON ELEMENTARY SCHOOL

Educational Specifications

ADVANCED LEARNING PROGRAM (ALP) CLASSROOM	
Space: <u>700 square feet</u> Number: Two (2) classrooms @ 350 square feet each	
Toilet	<ul style="list-style-type: none"> N/A
Sinks	<ul style="list-style-type: none"> Stainless steel sink with soap and towel dispenser, ADA accessible
Access	<ul style="list-style-type: none"> Close proximity to intermediate grades
Classroom Storage	<ul style="list-style-type: none"> Storage for built-in bookcases, storage areas, large-drawer storage Open shelving and counter area Counters under windows where appropriate
Teacher Storage	<ul style="list-style-type: none"> Lockable teacher storage wardrobe Two (2) lockable built-in four-drawer filing cabinet
Lighting	<ul style="list-style-type: none"> Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> Vinyl enhanced tile
Display	<ul style="list-style-type: none"> Whiteboard Bulletin Boards
Student Furniture	<ul style="list-style-type: none"> Small tables with student chairs for each office
Teacher Furniture	<ul style="list-style-type: none"> Teacher Desk/Chair (each room)
Other Furniture	<ul style="list-style-type: none"> Adult visitor chairs
Classroom Technology	<ul style="list-style-type: none"> Interactive touch screen white board
Computers	<ul style="list-style-type: none"> Two (2) teacher computer (each room)

SPACE REQUIREMENT SPECIFICATIONS (continued)

READING ROOMS	
Space: 700 square feet	
Number: Two (2) classrooms @ 350 sf each	
Toilet	<ul style="list-style-type: none"> N/A
Sinks	<ul style="list-style-type: none"> Stainless steel sink with soap and towel dispenser, ADA accessible
Access	<ul style="list-style-type: none"> (1) near primary , (1) near intermediate
Classroom Storage	<ul style="list-style-type: none"> Built-in bookcases Storage areas Counters under windows where appropriate Closet with built in book shelving
Lighting	<ul style="list-style-type: none"> Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> Vinyl enhanced tile and area rugs
Display	<ul style="list-style-type: none"> Whiteboard Bulletin Boards
Student Furniture	<ul style="list-style-type: none"> Pupil tables and chairs (adjustable and movable)
Teacher Furniture	<ul style="list-style-type: none"> (2) Teacher workstations (each room) (1) lockable file cabinet (each room)
Other Furniture	<ul style="list-style-type: none"> One (1) adult visitor chair (each room) One (1) rectangle or kidney shaped table, with 6 student chairs (each room)
Classroom Technology	<ul style="list-style-type: none"> Interactive touch screen white board
Computers	<ul style="list-style-type: none"> One (1) teacher computer (each room)

WORLD LANGUAGE ROOM	
Space: 200 square feet	
Toilet	<ul style="list-style-type: none"> N/A
Sinks	<ul style="list-style-type: none"> N/A
Access	<ul style="list-style-type: none"> In close proximity to general education classrooms
Classroom Storage	<ul style="list-style-type: none"> Built-in bookcases Storage areas Counters under windows where appropriate
Teacher Storage	<ul style="list-style-type: none"> Lockable teacher storage wardrobe One (1) lockable four-drawer filing cabinet
Lighting	<ul style="list-style-type: none"> Soft color, two-circuit lighting
Flooring	<ul style="list-style-type: none"> Carpet
Display	<ul style="list-style-type: none"> Whiteboard Bulletin Boards
Student Furniture	<ul style="list-style-type: none"> Student chairs/tables to accommodate four (4) students
Teacher Furniture	<ul style="list-style-type: none"> (3) Teacher workstations
Classroom Technology	<ul style="list-style-type: none"> Document Camera Interactive touch screen white board LCD projector AV switcher control system
Computers	<ul style="list-style-type: none"> Three (3) teacher computers

NEW LEBANON ELEMENTARY SCHOOL

Educational Specifications

ENGLISH AS A SECOND LANGUAGE (ESL) CLASSROOM	
Space: <u>700 square feet</u> Number: Two (2) classrooms @ 350 sf each	
Toilet	<ul style="list-style-type: none"> • N/A
Sinks	<ul style="list-style-type: none"> • Stainless steel sink with soap and towel dispenser, ADA accessible
Access	<ul style="list-style-type: none"> • Locate one reading room in close proximity to primary grades • Locate second reading room in close proximity to intermediate grades
Storage	<ul style="list-style-type: none"> • One (1) lockable built-in four-drawer filing cabinet (each office) • Bookcase and shelving • Walk-in supply closet • Laminate counters and shelving (common area)
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile & area rug
Display	<ul style="list-style-type: none"> • Whiteboard • Bulletin Boards
Student Furniture	<ul style="list-style-type: none"> • Small tables with student chairs for each office
Teacher Furniture	<ul style="list-style-type: none"> • (2) Teacher workstations each room
Other Furniture	<ul style="list-style-type: none"> • Two (2) adult chairs (each room) • One (1) rectangle or kidney shaped table, with 6 student chairs (each room)
Classroom Technology	<ul style="list-style-type: none"> • Interactive touch screen white board
Computers	<ul style="list-style-type: none"> • One (1) teacher computer (each room)

SPACE REQUIREMENT SPECIFICATIONS (continued)

SPACE REQUIREMENT SPECIFICATIONS: SPECIAL EDUCATION PROGRAMS

SPECIAL EDUCATION RESOURCE ROOM	
Space: 700 square feet Number: Two (2) rooms @ 350 sf each; One (1) Special Education Resource Room - Early Elementary One (1) Special Education Resource Room - Intermediate Elementary	
Toilet	<ul style="list-style-type: none"> • (1) toilet in primary area
Sinks	<ul style="list-style-type: none"> • Stainless steel sink with laminate countertop, ADA accessible • Soap and towel dispenser, ADA accessible
Access	<ul style="list-style-type: none"> • One in close proximity to primary grades, one in close proximity to intermediate grades
Classroom Storage	<ul style="list-style-type: none"> • Built-in bookcases • Storage areas • Counters under windows where appropriate
Teacher Storage	<ul style="list-style-type: none"> • Lockable teacher storage wardrobe • One (1) lockable four-drawer filing cabinet
Student Storage	<ul style="list-style-type: none"> • Open accessible shelves with bins
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile and area rugs per room
Display	<ul style="list-style-type: none"> • Whiteboard • Bulletin Boards
Student Furniture	<ul style="list-style-type: none"> • Pupil tables/chairs (adjustable/movable)
Teacher Furniture	<ul style="list-style-type: none"> • (2) Teacher workstations
Other Furniture	<ul style="list-style-type: none"> • Adult visitor's chair • Activity Groups: Two (2) kidney-shaped table with six (6) chairs (each)
Classroom Technology	<ul style="list-style-type: none"> • Document Camera • Interactive touch screen white board • LCD projector • AV switcher control system
Computers	<ul style="list-style-type: none"> • Two (2) teacher computers • Four (4) student computers

NEW LEBANON ELEMENTARY SCHOOL

Educational Specifications

OCCUPATIONAL THERAPY & PHYSICAL THERAPY (OT/PT) RESOURCE ROOM	
Space: 400 square feet	
Toilet	<ul style="list-style-type: none"> • N/A
Sinks	<ul style="list-style-type: none"> • Stainless steel sink with soap and towel dispenser, ADA accessible
Access	<ul style="list-style-type: none"> • Near primary grades & primary Special Education (share storage for large equipment with Special Education)
Classroom Storage	<ul style="list-style-type: none"> • Storage for large equipment (large adaptive chairs, prone standers, supine standers, large walkers, gait trainers, large therapy balls, etc.) • Built-in bookcases • Storage areas • Counters under windows where appropriate
Teacher Storage	<ul style="list-style-type: none"> • Lockable teacher storage wardrobe • One (1) lockable four-drawer filing cabinet
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile
Display	<ul style="list-style-type: none"> • Whiteboard • Bulletin Boards
Student Furniture	<ul style="list-style-type: none"> • Small tables with student chairs
Teacher Furniture	<ul style="list-style-type: none"> • (2) Teacher workstations
Other Furniture	<ul style="list-style-type: none"> • Adult visitor's chair
Special Needs/Equipment	<ul style="list-style-type: none"> • Trampoline, Balance Beam, Swing, Stairs, Floor Mats • Area for gross motor activities
Computers	<ul style="list-style-type: none"> • Two (2) teacher computers

SPACE REQUIREMENT SPECIFICATIONS (continued)

ADMINISTRATION AND SUPPORT

Unless otherwise noted, the standard furnishings for every admin area noted below are expected to include:

- Room darkening shades
- Acoustical insulation for soundproofing
- Year-round air conditioning
- ADA compliant building standards
- Wireless/internet access
- Multiple electrical and data outlets
- Telephone

PRINCIPAL'S OFFICE	
Space: 200 square feet	
Access/Location	<ul style="list-style-type: none"> • Two entrances: one to main office/secretarial area and one to conference room
Storage	<ul style="list-style-type: none"> • One (1) large wall unit bookcase • Lockable lateral files • Closet
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Wall to wall carpeting
Office Furniture	<ul style="list-style-type: none"> • Desk/Chair • Visitor's seating for six (6) • Small meeting table
Other Accommodations	<ul style="list-style-type: none"> • Bulletin board
Technology	<ul style="list-style-type: none"> • Polycom telephone • Building security system monitor • Security "panic button with dedicated phone line"
Computers	<ul style="list-style-type: none"> • One (1) computer • Printer

ASSISTANT PRINCIPAL'S OFFICE	
Space: 175 square feet	
Access/Location	<ul style="list-style-type: none"> • Two entrances: one to main office/secretarial area and one to conference room
Storage	<ul style="list-style-type: none"> • One (1) large wall unit bookcase • Lockable lateral files
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Wall to wall carpeting
Office Furniture	<ul style="list-style-type: none"> • Desk/Chair • Visitor's seating for six (6)
Other Accommodations	<ul style="list-style-type: none"> • Bulletin board
Technology	<ul style="list-style-type: none"> • Polycom telephone • Building security system monitor • Security "panic button with dedicated phone line"
Computers	<ul style="list-style-type: none"> • One (1) computer • Printer

NEW LEBANON ELEMENTARY SCHOOL

Educational Specifications

SECRETARIAL AREA	
Space: 500 square feet	
Access/Location	<ul style="list-style-type: none"> • Two entrances: one to main office/secretarial area and one to conference room
Storage	<ul style="list-style-type: none"> • Safe • Staff mailboxes • Base and wall cabinets with counter space • Office Supply storage • Lockable Closet
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Wall to wall carpeting
Office Furniture	<ul style="list-style-type: none"> • (2) Secretarial workstations • (2) Secretarial chairs • Additional work table with chair • Visitor's seating • Tables • (4) lockable filing cabinets
Other Accommodations	<ul style="list-style-type: none"> • Whiteboard • Bulletin boards • Closet for coats • Chairs/benches for visitors
Technology	<ul style="list-style-type: none"> • Network copier/fax machine • Building security system monitor (secretary) • Security "panic button with dedicated phone line (secretary) • Parent access Kiosk
Computers	<ul style="list-style-type: none"> • Two (2) computers • Printer

MAIN CONFERENCE ROOM	
Space: 200 square feet	
Access/Location	<ul style="list-style-type: none"> • Adjacent to Main Office/Principal's Office
Storage	<ul style="list-style-type: none"> • One (1) credenza
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Wall to wall carpeting
Office Furniture	<ul style="list-style-type: none"> • Conference Table • Seating for ten (10)
Other Accommodations	<ul style="list-style-type: none"> • Whiteboard • Bulletin boards
Technology	<ul style="list-style-type: none"> • Polycom telephone • Interactive Touch Screen White Board • LCD Projector • AV Switcher Control System
Computers	<ul style="list-style-type: none"> • One (1) computer

SPACE REQUIREMENT SPECIFICATIONS (continued)

HEALTH SERVICES	
Space: 300 square feet	
Access/Location	<ul style="list-style-type: none"> • Access to main office for assistance during times of emergency • Access through main corridor
Toilet	<ul style="list-style-type: none"> • Oversized accessible toilet room with changing table, ADA accessible
Sink	<ul style="list-style-type: none"> • Sink with foot pedal controls (outside Toilet room), ADA accessible • Sink with eye wash, ADA accessible
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile
Storage	<ul style="list-style-type: none"> • Lockable cabinets for medication (if controlled meds are not stored in the same cabinet as non-controlled meds, it does not require to be double locked) • Two (2) four-drawer lockable filing cabinets • Closet and extra storage for materials
Office Furniture	<ul style="list-style-type: none"> • Bookcase • Table for testing/conferences • Four (4) student chairs for waiting area
Space Considerations	<ul style="list-style-type: none"> • Recovery area with 2 cots • Nurse's space where nurse can speak privately with students • Examination room • 25-ft space to conduct vision screenings • Waiting area for students
Medical Equipment	<ul style="list-style-type: none"> • Wheelchair/evac chair • Rolling cart (portable emergency cart) • Examination table
Other Accommodations	<ul style="list-style-type: none"> • AED with audible alarm box will be installed in the public access hallway. • Refrigerator with separate freezer compartment
Technology	<ul style="list-style-type: none"> • Telephone with direct access to an outside line
Computers	<ul style="list-style-type: none"> • One (1) computer

NEW LEBANON ELEMENTARY SCHOOL

Educational Specifications

FACULTY LOUNGE	
Space: 300 square feet	
Access/Location	<ul style="list-style-type: none"> • Close proximity to the major instructional section of the school
Toilet	<ul style="list-style-type: none"> • Faculty toilets adjacent to faculty lounge, ADA accessible
Sink	<ul style="list-style-type: none"> • Stainless steel sink with laminate counter tops, ADA accessible • Soap and towel dispenser, ADA accessible
Storage	<ul style="list-style-type: none"> • Built-in upper and lower cabinets
Lighting	<ul style="list-style-type: none"> • Provide windows and maximize natural light
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile
Display	<ul style="list-style-type: none"> • Whiteboard • Bulletin Boards
Furniture	<ul style="list-style-type: none"> • Soft seating • Tables and seating for twenty (20) people
Other Accommodations	<ul style="list-style-type: none"> • (2) Microwave ovens • Refrigerator • Toaster Oven • Water Cooler • Vending Machines

RELATED SERVICES – SOCIAL WORKER / PSYCHOLOGIST / SPEECH LANGUAGE PATHOLOGIST	
Spaces: Three (3) offices @ 150 square feet each; One (1) Social Worker One (1) Psychologist One (1) Speech/Language Pathologist	
Toilet	<ul style="list-style-type: none"> • N/A
Sinks	<ul style="list-style-type: none"> • N/A
Access	<ul style="list-style-type: none"> • Close proximity to the main office
Storage	<ul style="list-style-type: none"> • One (1) lockable built-in four-drawer filing cabinet (each office) • Bookcase and shelving • Walk-in supply closet • Laminate counters and shelving (common area)
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Vinyl Tile
Display	<ul style="list-style-type: none"> • Whiteboard • Bulletin Boards
Teacher Furniture	<ul style="list-style-type: none"> • Teacher Desk/Chair (each office)
Other Furniture	<ul style="list-style-type: none"> • Two (2) Adult visitor's chair (each office) • One (1) rectangle or kidney shaped table, with 6 student chairs (each office)
Special Needs/Equipment	<ul style="list-style-type: none"> • Built-in mirror (Speech only)
Computers	<ul style="list-style-type: none"> • One (1) computer (each office)

SPACE REQUIREMENT SPECIFICATIONS (continued)

SPECIAL EDUCATION MEETING ROOM	
Space: 150 square feet	
Access/Location	<ul style="list-style-type: none"> • Adjacent to Teacher's workroom
Storage	<ul style="list-style-type: none"> • One (1) credenza
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Wall to wall carpeting
Office Furniture	<ul style="list-style-type: none"> • Conference Table • Seating for ten (10)
Other Accommodations	<ul style="list-style-type: none"> • Whiteboard • Bulletin boards
Technology	<ul style="list-style-type: none"> • Polycom telephone • Interactive Touch Screen White Board • LCD Projector • AV Switcher Control System
Computers	<ul style="list-style-type: none"> • One (1) computer

TEACHER WORKROOM	
Space: 200 square feet	
Access/Location	<ul style="list-style-type: none"> • Within Media center
Toilet	<ul style="list-style-type: none"> • N/A
Sink	<ul style="list-style-type: none"> • Stainless steel sink with laminate counter tops, ADA accessible • Soap and towel dispenser, ADA accessible
Storage	<ul style="list-style-type: none"> • Shelving • Locked cabinet • Storage for office supplies
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile
Office Furniture	<ul style="list-style-type: none"> • Table and six (6) chairs
Other Accommodations	<ul style="list-style-type: none"> • Dye press (letter cutting machine) • Laminating machine • General office supplies
Technology	<ul style="list-style-type: none"> • Network copier/fax machine/scanner • Printer
Computers	<ul style="list-style-type: none"> • One (1) computer

NEW LEBANON ELEMENTARY SCHOOL

Educational Specifications

CORE COMMON AREAS

LIBRARY MEDIA CENTER	
Space: 3,740 square feet Includes: 2,390 sf Collection and reading area 200 sf Media work room 150 sf Staff office 800 sf Computer lab (listed separately below)	
Sinks	<ul style="list-style-type: none"> Sink in media center workroom, ADA accessible
Access	<ul style="list-style-type: none"> Centrally located in school
Classroom Storage	<ul style="list-style-type: none"> Built-in bookcases Storage areas Counters under windows where appropriate
Special Storage	<ul style="list-style-type: none"> Secure storage for up to (3) digital device carts
Teacher Storage	<ul style="list-style-type: none"> One (1) lockable four-drawer filing cabinet
Lighting	<ul style="list-style-type: none"> Remote control room darkening blinds
Flooring	<ul style="list-style-type: none"> Wall to wall carpeting
Media Center Display	<ul style="list-style-type: none"> Whiteboard Bulletin Boards Well-placed and secure space for displays and promotional materials Double sided display cases
Student Furniture	<ul style="list-style-type: none"> Tables and chairs with sleigh legs Computer furniture/workstations for six (6) student computers
Teacher Furniture	<ul style="list-style-type: none"> (2) Computer workstations @ media center Circulation Desk
Other Furniture	<ul style="list-style-type: none"> 48-inch free standing, double-faced shelving for student print materials Two (2) adult visitor's chairs Comfortable lounge style seating – adult and student
Special Considerations	<ul style="list-style-type: none"> Small tiered 'read aloud' story corner Area for independent study (for large and small groups of students) Informal seating or an informal area with comfortable chairs A stack area to accommodate approximately 20,000 volumes of student print materials Security system to enable tracking of electronic equipment housed in the media center. Area for student 3D printers 'maker space' Workroom to include – die-cut, laminator and photocopy machines
Media Center Technology	<ul style="list-style-type: none"> Document Camera Interactive touch screen white board LCD projector AV switcher control system (2) Color Printers Photocopy machine
Media Center Computers	<ul style="list-style-type: none"> Six (6) student computers Two (2) media staff computers Three (3) computer mobile device carts with thirty (30) devices per cart

SPACE REQUIREMENT SPECIFICATIONS (continued)

COMPUTER LAB (Included in Library Media Center)	
Space: 800 sf (included in Library Media Center sf)	
Sinks	<ul style="list-style-type: none"> • NA
Access	<ul style="list-style-type: none"> • Centrally located in Media Center
Classroom Storage	<ul style="list-style-type: none"> • Built-in bookcases • Storage areas • Counters under windows where appropriate
Teacher Storage	<ul style="list-style-type: none"> • One (1) lockable four-drawer filing cabinet
Lighting	<ul style="list-style-type: none"> • Remote control room darkening blinds
Flooring	<ul style="list-style-type: none"> • Wall to wall carpeting
Computer Lab Display	<ul style="list-style-type: none"> • Whiteboard • Bulletin Boards
Student Furniture	<ul style="list-style-type: none"> • Computer furniture/workstations for thirty (30) student computers
Teacher Furniture	<ul style="list-style-type: none"> • (1) Teacher work station
Computer Lab Technology	<ul style="list-style-type: none"> • Document Camera • Interactive touch screen white board • LCD projector • AV switcher control system • (2) Color Printers
Computer Lab Computers	<ul style="list-style-type: none"> • Thirty (30) student computers • (1) Teacher computer

NEW LEBANON ELEMENTARY SCHOOL

Educational Specifications

CAFETERIA	
Space: 2,100 square feet	
Toilets	<ul style="list-style-type: none"> • Close proximity
Sinks	<ul style="list-style-type: none"> • Bay sink (near entrance) with foot pedal for hand washing and hand sanitizer stations for students, ADA accessible
Access/Location	<ul style="list-style-type: none"> • Adjacent to full kitchen and serving area • Exits to outdoors
Storage	<ul style="list-style-type: none"> • Storage room to accommodate tables/benches and chairs
Lighting	<ul style="list-style-type: none"> • Soft color, dimmable lighting
Flooring	<ul style="list-style-type: none"> • Porcelain Tile
Furniture	<ul style="list-style-type: none"> • Folding roll-away tables/benches, long type with built-in seating, to accommodate 150 students • Chair and desk for paraprofessional/Cafeteria supervisor
Other Accommodations	<ul style="list-style-type: none"> • Recessed drinking fountains • Sound reducing measures • Sound proof divider between kitchen and cafeteria • Bulletin boards
Technology	<ul style="list-style-type: none"> • Localized public address system • LCD Projector
Computers	<ul style="list-style-type: none"> • N/A

CAFETERIA KITCHEN	
Space: 900 square feet	
Includes: One (1) 150 sf Food Manager's Office	
Toilet	<ul style="list-style-type: none"> • Lockers for five (5) with adjacent unisex toilet room
Sinks	<ul style="list-style-type: none"> • Bay sink with foot pedal for hand washing and hand sanitizer stations for students, ADA accessible
Access/Location	<ul style="list-style-type: none"> • In close proximity to Main Office and Gymnasium • Adjacent to cafeteria and serving area • Adjacent to receiving area
Storage	<ul style="list-style-type: none"> • Large walk-in storeroom with heavy-duty wire mesh chrome-mate shelving on casters
Teacher Storage	<ul style="list-style-type: none"> • Lockable storage wardrobe • One (1) lockable four-drawer filing cabinet
Lighting	<ul style="list-style-type: none"> • Task lighting over preparation areas
Flooring	<ul style="list-style-type: none"> • Quarry tile
Furniture	<ul style="list-style-type: none"> • Desk/Chair • Visitor's Chair
Special Considerations	<ul style="list-style-type: none"> • Dishwasher room with necessary utilities (racks and tray carts) • Separate area for the cashier to count money with a safe • Two (2) serving lines with built-in hot and cold units • Can washing area (outside, near dock – custodial)
Food Services Equipment	<ul style="list-style-type: none"> • TBD with Food Service Consultant
Technology	<ul style="list-style-type: none"> • One (1) cash register and stand (point of sale system) • One (1) computer (Food Services Office)

SPACE REQUIREMENT SPECIFICATIONS (continued)

PHYSICAL EDUCATION	
Space: <u>6,600 square feet</u> Includes: 5,000 sf Gymnasium/Auditorium 875 sf Stage 100 sf PE office 550 sf Storage	
Toilet	<ul style="list-style-type: none"> Two (2) accessible multi-stall lavatories (one for boys and one for girls) in close proximity, ADA accessible.
Sinks	<ul style="list-style-type: none"> Recessed drinking fountains located in close proximity of gymnasium, ADA accessible
Access	<ul style="list-style-type: none"> Capacity to hold entire student body, staff and faculty Convenient access to ball fields
Storage	<ul style="list-style-type: none"> Folding seating/carts/storage for entire student body, staff and faculty Storage area will have access from both the interior of the gymnasium, as well as the exterior of the building (for outdoor sports and playground activities). Six (6) shelving units (48"x18"x72") inside storage facility
Lighting	<ul style="list-style-type: none"> Lighting with safety cages or equivalent Stage lighting & lighting controls
Flooring	<ul style="list-style-type: none"> All purpose athletic wood floor system with essential markings Removable protective matting
Special Accommodations	<ul style="list-style-type: none"> Sound deadening/sound proof walls Clerestory windows with remote room darkening shade system High ceiling, the lowest features should be a minimum of 22 ft. from the floor Wall matting around entire perimeter, from height of wall base to 6'-0" minimum above finish floor Removable wall matting along front of stage platform as well. Two (2) main and four (4) side baskets for basketball (all electrically operated) Volleyball post recessed floor sleeves Chinning bars Horizontal bar Divider curtain One wall to be designated for future climbing, wall mounted equipment, and the masonry cores filled with concrete Scoreboard (optional) Movable cart for storage/equipment Stage Curtains, Drapes & Rigging ADA accessible stage
Classroom Technology	<ul style="list-style-type: none"> Portable whiteboard Cart with projector/screen for classroom instruction One (1) teacher computer Audio/Visual Sound System & Equipment

NEW LEBANON ELEMENTARY SCHOOL

Educational Specifications

SERVICES

CUSTODIAL OFFICE	
Space: 150 square feet	
Access/Location	<ul style="list-style-type: none"> • Close proximity to Cafeteria
Storage	<ul style="list-style-type: none"> • Locked cabinet
Flooring	<ul style="list-style-type: none"> • Vinyl enhanced tile
Furniture	<ul style="list-style-type: none"> • Desk/Chair • Three (3) adult chairs
Other Accommodations	<ul style="list-style-type: none"> • Microwave oven • Refrigerator • Fire extinguisher
Computers	<ul style="list-style-type: none"> • One (1) computer

CUSTODIAL LOCKER AREA	
Space: 75 square feet (each) Includes: (1) Men and (1) Women	
Access/Location	<ul style="list-style-type: none"> • Close proximity to Cafeteria
Toilet	<ul style="list-style-type: none"> • unisex toilet room adjacent to lockers, ADA accessible
Other Accommodations	<ul style="list-style-type: none"> • Separate locker areas for m/f staff
Furniture	<ul style="list-style-type: none"> • (4) full length lockers (each)

TOILET ROOMS	
Space: Girls/Boys 800 sf, Men/Women 360 sf Includes: (2) each @ 90 sf Men & Women (2) each @ 200 sf Boys & Girls	
Access/Location	<ul style="list-style-type: none"> • Located throughout the facility and located to support community uses.
Toilet	<ul style="list-style-type: none"> • Water conserving low flush models
Other Accommodations	<ul style="list-style-type: none"> • Meet all ADA requirements • Sinks, ADA accessible • Mirrors, ADA compliant • Hand dryers, ADA accessible

SPACE REQUIREMENT SPECIFICATIONS (continued)

IT WORK ROOM	
Space: 125 square feet	
Access/Location	<ul style="list-style-type: none"> Centrally located
Storage	<ul style="list-style-type: none"> Locked cabinet
Flooring	<ul style="list-style-type: none"> Vinyl enhanced tile
Furniture	<ul style="list-style-type: none"> Desk/Chair Work table
Other Accommodations	<ul style="list-style-type: none"> Climate controlled Minimum of eight feet of linear wall space for telecommunications service Room for distribution and servers – to house equipment racks and wiring systems.
Computers	<ul style="list-style-type: none"> One (1) computer

IT CLOSETS	
Space: Two (2) at 50 square feet (each) or as determined by required infrastructure	
Access/Location	<ul style="list-style-type: none"> Strategically located to provide data runs in compliance with recommended cable lengths
Other Accommodations	<ul style="list-style-type: none"> Lockable Doors Data and cable equipment racks

NEW LEBANON ELEMENTARY SCHOOL

Educational Specifications

GENERAL STORAGE	
Space: 400 square feet	
Storage	<ul style="list-style-type: none"> • Lockable area with shelving and provisions for safe storage of teaching supplies and books.

RECEIVING / STORAGE	
Space: 200 square feet	
Access/Location	<ul style="list-style-type: none"> • Close proximity to Kitchen • Direct access to building loading dock
Toilet	<ul style="list-style-type: none"> • Mop sink
Storage	<ul style="list-style-type: none"> • Lockable area with shelving and provisions for safe storage of chemicals and cleaning equipment • Provisions for safe storage of school facility supplies
Other Accommodations	<ul style="list-style-type: none"> • Equipment storage for floor polishers, carpet shampooers, vacuums, brooms, mops and other miscellaneous cleaning equipment. • Loading dock

MECHANICAL ROOM	
Space: 745 square feet	
Access/Location	<ul style="list-style-type: none"> • Near custodial area
Other Accommodations	<ul style="list-style-type: none"> • Separate and lockable mechanical room(s) shall be provided for the individual building systems and services.

SPACE REQUIREMENT SPECIFICATIONS: COMMUNITY USE

Some of the groups that regularly use the facilities include:

- Greenwich Parks and Recreation Department
- Scouting organizations
- Civic organizations
- Municipal Boards and groups
- Adult Education
- Parent Teacher Organization
- Registrar of Voters

SITE AND BUILDING PLANS

Site Improvements

The site improvements include a safe and rational circulation scheme for pedestrians and vehicular traffic with bus priority drop off and pick up, parent parking, visitor parking and staff parking areas. Two playground areas with age appropriate equipment and playing field with direct and convenient access to the school are also included.

The site improvements will link the school, library, playing fields, and natural features into a cohesive, nurturing campus environment. The site will be developed in an environmentally sensitive manner. Sustainable practices will be employed in the treatment of storm water discharge quality and quantity, the selection of site materials, and the use of native vegetation for landscaping.

Options Considered

The Advisory Committee and the consultants reviewed various options for rebuilding the New Lebanon Elementary School during the summer of 2014. These options were refined, and three final alternatives were selected:

1. Scheme A - renovating and adding to the existing 1956 facility; or
2. Scheme B - building a new elementary school.
3. Scheme C - building a new elementary school.

The three options presented different site solutions for parking, playground locations, field access, vehicle and pedestrian traffic and access to the Byram Library.

The three schemes were thoroughly compared as assets to the community, places of instruction, fostering a school community, helping improve the achievement gap, safety, impact on the normal operation of the school, capital expenditures and long term operating and maintenance costs.

The Advisory Committee recommended to the Board of Education that Scheme C — the new building option—was the best solution for the New Lebanon School, meeting the project objectives and educational objectives defined in the 2014 Revised Racial Balance Plan.

The final decision on site layout, number of parking spaces, on-site vehicular circulation and off-site traffic studies including other site constraints will be analyzed in more detail, during the land-use approval process. Final site approval is based on approvals from various land-use agencies of the Town of Greenwich.

Building Plan

The Board of Education chose to build a new building for the New Lebanon Elementary School. Other solutions considered fell short of the Greenwich Public School's mission, and the vision of a 21st century Learning Campus for a high performing educational system.

Education will begin with a Universal Pre-Kindergarten program, aided by the IB program and the Digital Learning Environment education initiative. The school facility will be built to foster the international, holistic, inquiry-based and collaborative learning provided by the IB program. A new facility, designed and sized to meet the improved educational program, will make New Lebanon Elementary attractive to magnet students throughout the district and improve the racial imbalance.

One of the guiding objectives was to keep the current school in operation and minimize disruption during the school year. The current program already suffers from a crowded facility where both the pre-Kindergarten and Kindergarten programs have been relocated to temporarily resolve space needs. The construction of the new school will minimally impact the current school site and the education of the children attending the New Lebanon School.

The new school is a three-story building, organized around a south facing courtyard. The classroom wings have a single loaded corridor with small gathering spaces facing the courtyard, fostering a sense of community. The community wing next to the lobby has been designed with the cafeteria on the first floor with doors out to the courtyard, and a "gym-atorium" above.

The new school, designed for 374 students, will offer three Universal Pre-Kindergarten, three Kindergarten classrooms, three classrooms per grade from 1st to 5th grade, two music rooms, a science room and an art room. The building has been sized to accommodate all of the special education and administration requirements. The media center is centrally located on the second floor.



EXISTING FIGURE GROUND

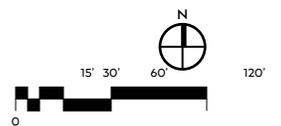
NEW LEBANON ELEMENTARY SCHOOL

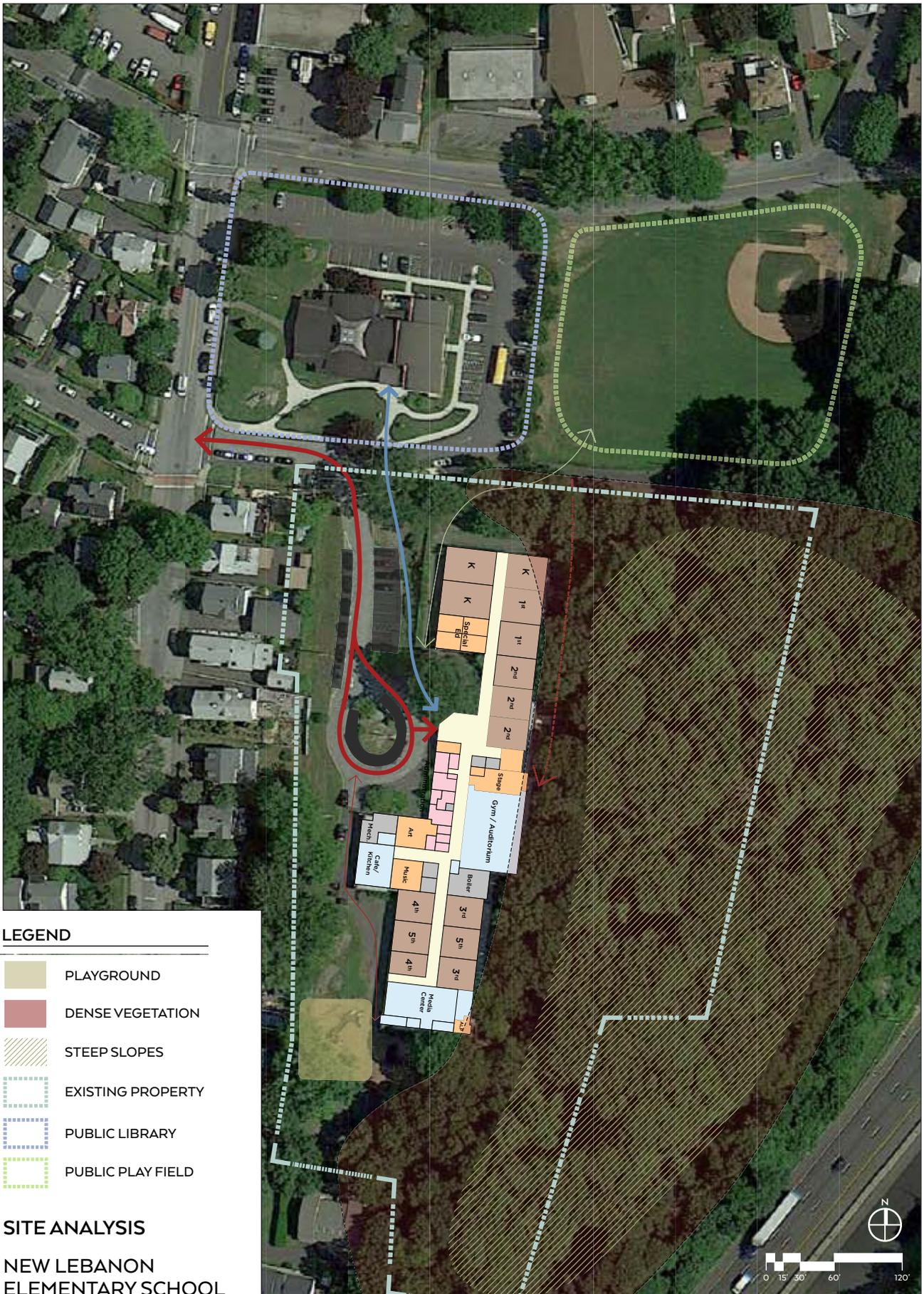




EXISTING RELIEF MAP

NEW LEBANON ELEMENTARY SCHOOL





LEGEND

- PLAYGROUND
- DENSE VEGETATION
- STEEP SLOPES
- EXISTING PROPERTY
- PUBLIC LIBRARY
- PUBLIC PLAY FIELD

SITE ANALYSIS
NEW LEBANON
ELEMENTARY SCHOOL

Energy and Environmental Plan

The sustainable initiatives for the re-built New Lebanon School would include passive design strategies including the best solar orientation, building thermal mass, providing a well insulated envelope, maximizing daylight and views, including operable windows and natural ventilation, connecting to the outdoors, minimizing the layering of finish materials, designing for ease of maintenance, durability and legibility.

Renewable energy sources to be considered include geothermal systems and high-performance systems such as condensing boilers. Other green options include, among others: photo-voltaic solar collectors, local control of heating and cooling systems, natural and renewable materials, energy efficient lighting, access to daylight in occupied spaces, and water conserving systems.

Building Systems

Building systems in the new school shall meet the Connecticut High Performance Building Standards which is similar to a LEED Silver rating or better. These systems shall also meet the requirements of Connecticut's State Department of Education School Construction Program, the Connecticut State Building Code and national standards.

Mechanical Systems: The high performance heating and cooling system will include a high efficiency gas fired boiler supplementing a geothermal well system. Radiant hot water slab construction should be included at the Pre-Kindergarten and Kindergarten classrooms. Other classrooms shall have exterior perimeter hot water radiation. The school shall be fully air conditioned with a separate zone for areas of the building open during the summer.

Energy recovery systems will be installed in portions of the building. A building management system will control heating and air conditioning for each room independently. Carbon dioxide sensors will be installed in rooms where occupancy varies in order to minimize energy consumption. All heating, air conditioning and ventilation will be designed to meet code requirements.

Electrical and Lighting Systems: Natural day lighting will be maximized in the design of the school. Motion sensors and dual switching will be installed in the classrooms. LED and other highly efficient light fixtures shall be included in all of the school's spaces. The exterior of the building and parking areas will include appropriate security lighting. Substantial distribution of power outlets in all instructional spaces will be necessary for the re-charging electronic devices. An emergency generator shall be considered to power a portion of the building. All electrical systems will meet State and National code requirements.

Elevator: A single elevator meeting ADA size requirements and Connecticut State Building Code requirements shall be included in the building close to the entry lobby.

Building Systems (continued)

Technology: A robust wireless fidelity (wifi) network system will support the Digital Learning Environment's educational initiative. The system will include a voice over internet protocol (VOIP) communication system. A fiber optic backbone with category 6e cabling is recommended. All classrooms will have interactive smart boards.

Public address, clocks and security systems: The public address, clock and security systems will be integrated into the technology design of the project. The PA system will cover all areas of the building. The building shall be designed to meet the State of Connecticut School Safety Infrastructure Standards (2014).

Appropriate security systems will address all local, state and federal security requirements for elementary schools. A lock down of all exterior doors from a centralized switch should be considered.

Fire Protection: The building will be protected with a code compliant sprinkler system.

Fire Alarm: The new school will include an automatic fire alarm system that meets the current Connecticut Fire and Safety Code.

Plumbing: Plumbing systems shall meet or exceed all code requirements including the Americans with Disability Act (ADA) and water saving standards.

Acoustics: The building will comply with Acoustical Performance Criteria, Design Requirements and Guidelines for Schools.

Windows and Doors: Operable, high efficiency, low E glass windows shall be included in all the classrooms. Emergency egress windows and rated doors shall be included as required by State Code and State Department of Education requirements.

Exterior Building finishes – The exterior façade shall be brick with cast stone lintels. The pitched and barrel roofs shall be standing seam painted metal.