



QUALIFICATIONS PREPARED FOR Town of Ledyard



ARCHITECTURAL AND CONSULTANT DESIGN TEAM
SERVICES

for the

LEDYARD MIDDLE SCHOOL RENOVATE AS NEW
PROJECT AND THE GALLUP HILL SCHOOL RENOVATE
AS NEW PROJECT

May 21, 2015

Employee owned. Client driven.

Connecticut | Maryland | Massachusetts | New Jersey | New York | Ohio | Pennsylvania | Texas





SECTION I	Letter of Transmittal
SECTION II	Executive Summary
SECTION III	Description of Firm & Consultants <ul style="list-style-type: none">- Organizational Chart- Summary of Project Team- Key Personnel Resumes- Firm & Staff K-12 Experience Matrix- State of Connecticut Architectural License
SECTION IV	Qualifications / Past Performance <ul style="list-style-type: none">- Projects that Meet Evaluation Criteria- Project Descriptions- References & Project Data- Awards & Recognition
SECTION V	Approach to the Projects
SECTION VI	Work Schedule
SECTION VII	Litigation

May 21, 2015

Mr. John Rodolico
Office of the Mayor
Town of Ledyard
741 Colonel Ledyard Highway
Ledyard, CT 06339

**Re: RFQ/RFP for Architectural and Consultant Design Team Services for the Ledyard Middle School Renovate as New and the Gallup Hill Elementary School Renovate as New Projects.
RFQ/RFP/BID #2015-16**

Dear Mr. Rodolico,

BL Companies Connecticut, Inc. ("**BL Companies**") is pleased to submit our qualifications and proposal package for Architectural /Engineering Services for the Ledyard Middle School and Gallup Elementary School "Renovate as New" projects. Our firm is particularly well suited to providing these services because of our broad range of integrated design expertise, familiarity with educational facilities and successful completion of complex renovation projects in occupied buildings throughout Connecticut.

Our team attended the mandatory walk through and have also carefully reviewed the Town of Ledyard School Facilities Improvements Project report. We understand the challenges and sensitivity of this type of project having completed a number of very successful renovate as new projects, most recently in New Fairfield, Hartford, and currently in New Haven. Choosing the right design team for an occupied school renovation project can be critical as the implementation of the design must be carefully phased and planned from project conception. The BL Companies design team excels in this area working with school systems and administrators to carefully plan the project to maintain an effective educational environment while safeguarding the students and staff. Our team is experienced and eager to work with the Town to create schools that will meet and exceed the educational specifications while providing a cost effective and maintainable environment for the next 50 years. The BL Companies design team that we have dedicate to your projects is available to start working with the Town immediately and is our most experienced, having worked on two renovate as new projects over the past 5 years.

We have also carefully reviewed the RFQ/RFP and meet and accept the terms while our teams experience far exceed the minimum qualification requirements.

The design team will be managed by Scott Pellman the director of our K-12 design studio. Scott will be the day-to-day contact and will coordinate the entire design team integrating the Building Committee, Town staff and Administrators into the process.

Scott Pellman, AIA, Principal / Senior Project Manager
203-630-1406
spellman@blcompanies.com

Sincerely,

BL Companies



Rainer Muhlbauer, AIA, LEED AP BD+C
Director of Architecture, Principal-in-Charge

SUMMARY

BL Companies has a dedicated team of professionals who specialize in K-12 design and have worked extensively throughout the State of Connecticut. We have guided numerous projects through the Office of School Facilities (OSF) and have significant experience coordinating new and renovated school construction projects in fully occupied buildings. Over the past 5 years we have received multiple awards associated with our school renovation projects most notably being recognized for our excellence in renovation and sustainable design. Our familiarity with the school construction process in the State of Connecticut ensures that your project will move quickly through the State review process while maintaining the maximum allowable reimbursement. In addition to an experienced group of architects we also employ mechanical, electrical, plumbing, fire protection, structural, site, civil, traffic engineers and surveyors.

EXPERIENCE

BL Companies recently completed a "renovate as new" project for the Town of New Fairfield which closely mirrors both of the Ledayard projects incorporating additions, renovations and extensive site modifications. The Meeting House Hill Elementary School was fully occupied during the 32 month renovation and addition process. BL Companies designed 8 separate construction phases allowing the construction to continue smoothly and safely while maintaining the educational environment. BL Companies took the project from pre-referendum approval through project completion. The project contained significant environmental issues including PCB remediation and was designed to meet the Connecticut High Performance Building standards. The project was completed approximately \$1 Million under budget with 1.1% in change orders.

The project team that we have identified for your project completed the Meeting House Hill Elementary School and is finishing the construction administration for the Academy High School a "renovate as new" 4 story high school in New Haven, CT which was produced utilizing BIM. Originally constructed in 1948 the building had significant environmental and envelope issues that needed to be addressed. It took careful planning and coordination to fit the educational program into the existing shell which was constructed on a tight City block without the opportunity for expansion. Our design team looked for ways to creatively design multi-use areas to maximize space utilization which freed up additional building area to meet the educational specifications..

FIRM SUMMARY

BL Companies is currently in our 29th year and with over 250 employees we are one of the largest architectural/engineering firms in the State of Connecticut and have a long list of successful renovations projects throughout the State. BL Companies has a strong reputation for service and value to our clients including the ability to manage all of the technical aspects of a building project. As a fully integrated A/E firm we are truly unique in the industry and possess all of the major disciplines in house that are required to complete your project. We are also proud to be a 100% employee-owned company, which means that every employee that you encounter from BL Companies is an owner with a stake in our and your projects success. Our dedicated employee owners' commitment to our clients has translated into a repeat client base of almost 80%.

BL Companies has a strong history of estimating and maintaining project budgets while limiting construction change orders and have provided a history for our recent school experience within this qualifications package. We routinely have less than 1.5% in change orders on our projects. We work closely with the school building committees balancing program requirements with the budget, evaluating initial costs with long term maintenance and sustainability. One of the ways we reduce construction related changes is that we have a strict quality control process. BL Companies quality control process requires every project to go through a detailed third party review and formal sign off before it is allowed to be put out to bid.

We build these reviews into our project schedules and timelines to make sure that the final product that leaves our offices is well coordinated and complete. As an example of our commitment to producing quality documents we received an unsolicited compliment from Chris Laux who was the previous State of Connecticut building inspector who now performs independent reviews of building projects for local municipalities along with the State of Connecticut. Mr. Laux was reviewing the drawings on behalf of the City of New Haven for our Academy H.S. School renovate as new project to comply with the local review option on behalf of the Office of School Facilities. At the completion of his review on his transmittal letter Mr. Laux praised BL Companies documents as having the fewest comments for a project of its size and complexity that he has ever seen.

The BL team we have identified for this project is based in our corporate headquarters located in Meriden, CT, which makes us readily available to quickly respond to the needs of this project. As the director of our K-12 studio I have over 29 years of experience focusing mainly on the design and construction of school facilities and will lead the team in supporting your projects.

In the attached qualifications package I hope that we have demonstrated the enthusiasm and expertise of our design team. Thank you for considering BL Companies for this project and we welcome the opportunity to work with the Town of Ledyard.

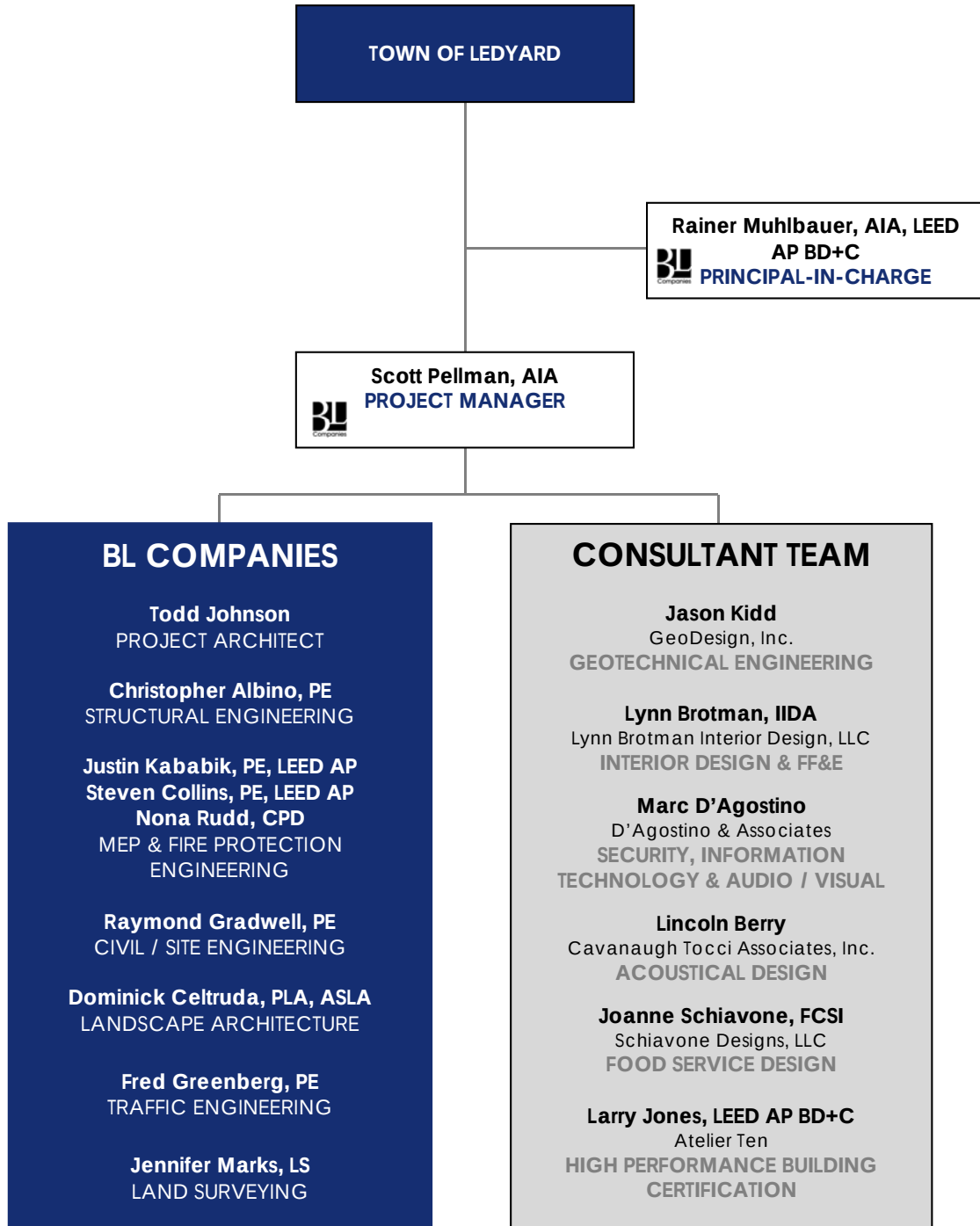
Sincerely

BL COMPANIES



Scott Pellman, AIA

Senior Project Manager / Principal



BL Companies (BL) possesses the majority of all disciplines required to complete the Ledyard Middle School and Gallup Hill School projects under one roof. The team we have selected and dedicated to this project will follow it from conception through completion taking ownership of the design through the construction process.

BL Companies will be providing the following services in-house and will also be responsible for programming, design, State approvals, bid coordination, and construction administration:

- Architectural Programming
- Architectural Design
- Structural Design
- Mechanical Design
- Electrical Design
- Plumbing Design
- Fire Protection Engineering
- Landscape Architecture
- Transportation Engineering
- Land Surveying

Architectural and Interior Design – The architectural design team of Scott Pellmand and Todd Johnson along with BL Companies K-12 team of experts have over 80 years of collective experience programming and designing K-12 facilities. Scott Pellman, AIA, Senior Project Manager and Director of BL's K-12 design studio has over 30 years of experience programming and designing K-12 facilities. Mr. Pellman will act as the overall project team manager who will be the single point of contact for the entire project duration. He'll be responsible for project coordination, scheduling, defining and managing the building committee and the Town's expectations and needs as well as design oversight and quality control. Scott will also be heavily involved in the programming and initial design phase of the school, working closely with BL Companies' design team and Interior Designer. BL's project architect Todd Johnson will coordinate the entire design team of architects and engineers to further develop the design and will coordinate technical aspects of the design with all disciplines throughout the construction documents. Todd will follow the project from concept design through construction administration maintaining continuity of the design team. In addition to our team of talented architects, Lynn Brotman, IIDA, brings 25 years of experience to the team providing programming, interior design and finish selection for numerous K-12 and higher education projects. Lynn will also be involved from the conception of the project creatively leading the interior design effort creating a bright and inspiring learning environment.

Structural Design – BL's structural engineers will work closely with the project architects to simplify framing layouts, while focusing on constructability. The structural engineers, led by Christopher Albino, PE, also provide special inspection services during construction, review all testing reports, and provide monthly updates to the building committee. Christopher and his team have provided structural design for numerous K-12 projects and have worked closely with the design team on a significant number of projects over the past 17 years.

MEP and Fire Protection Design – The BL engineering group will provide all MEP and fire protection design services and work closely with the building committee, the Town of Ledyard and the design team to select the most appropriate systems. Our engineers coordinate with all public utilities for service sizes and connections while reviewing potential energy rebates. The engineering group will work closely with the Town's commissioning agent and project manager facilitator required by State statute to ensure the energy efficiency goals of the project are achieved. Justin Kababik, PE, LEED AP will act as the overall MEP coordinator working with the design team's project manager and owner to ensure that the design of the MEP systems are fully integrated into the design and meet the Town's standards while remaining maintainable and cost-effective. Working with Justin the full time production staff for the building engineering will be Steven Collins, PE, LEED AP and Nona Rudd, CPD who all possess impressive K-12 resumes and have worked closely with the design team. This group of talented engineers has also completed a significant amount of stand-alone MEP projects for local municipalities and is routinely utilized by other design professionals throughout the State. BL Companies will also be responsible for energy modeling to meet the compliance for High Performance Buildings which is a State of Connecticut and OSF requirement.

Civil Engineering – The civil engineering efforts will be led by Raymond Gradwell, PE, who brings a significant amount of experience in school infrastructure design. The civil engineers will coordinate all site grading and drainage infrastructure including storm water retention, parking lot design, walkways, and athletic fields. The civil engineers work closely with the MEP department on public utility distribution and sanitary system design. Ray will also work closely with all local and State agencies for permitting issues and will coordinate the State required flood management certifications.

Landscape Architecture – BL's Dominick Celtruda, PLA, ASLA has provided landscape architecture and design services for a significant number of K-12 projects. Dominick will be dedicated to the project and will work closely

with the design team and owner to incorporate plantings and exterior design elements that complement the facility while being easily maintained. Dominick will also be responsible for the planning of any athletic fields in conjunction with civil engineering team from BL Companies.

Surveying – BL's land survey group is led by Jennifer Marks, LS, who works closely with our civil engineering group and environmental engineers providing detailed A2/T2 surveys, construction mark out services, subsurface utility engineering and wetland delineation.

Traffic Engineering – Fred Greenberg, PE will coordinate the required State Traffic Commission (STC) determination required for State approvals and will work closely with the civil engineering group on any permitting issues and the development of onsite traffic patterns.

The following is a list of **Specialty Consultants** that we have worked with extensively in the past on similar K-12 projects and who we intend to use to augment our team.

Geotechnical Engineering – GeoDesign, Inc.: BL Companies' structural and civil engineering departments have utilized GeoDesign for a number of our municipal and private clients for the geotechnical engineering and reports. Jason Kidd has worked on numerous Connecticut school and municipal projects.

Fixtures, Furniture & Equipment Design and Layout – Lynn Brotman Interior Design, LLC: Lynn Brotman will work closely with the architectural designers and Client to select all interior finishes and make recommendations on interior layout and space organization. Lynn has guided numerous projects through OSF review and approval process and will meet with the Client to determine and document all FF&E requirements and provide the design and specifications for those items. The scope of services will include State approvals, bidding support and procurement, furniture delivery coordination and punch list.

High Performance Building Certification – Atelier Ten: BL Companies has worked with Atelier Ten for assistance with LEED and High Performance Building Certification. Atelier Ten will attend coordination meetings with the team and the Client's project manager facilitator and Commissioning agent throughout the design process. Atelier Ten will assist the team in determining the pathway to certification and will provide detailed spread sheets to track the mandatory and optional strategies for compliance. Atelier Ten will assist in the development of the project specifications for building compliance and will review shop drawing submittals to ensure compliance with the specifications. At the completion of the project Atelier Ten will provide a final checklist with back up information for all mandatory and optional strategies that were utilized to meet compliance with the State requirement.

Information Technology and Security – D'Agostino Associates, Marc D'Agostino: BL Companies and our staff have worked extensively D'Agostino Associates in the past. Marc D'Agostino will be responsible for all technology infrastructure and wiring design and specifications along with telephone and intercom design, clock systems and security system design. These services include all required meetings with the Client to define scope and project requirements along with State approvals, review of shop drawings, construction administration services and project oversight including punch list. Marc will also provide the network electronics, servers and storage devices, Wireless AP network and the phone system as part of the FF&E phase of the project.

Food Service Design and Layout – Schiavone Designs, LLC, Joanne Schiavone, FCSI: The BL Companies team has worked with Joanne extensively in the past. Recently, Schiavone Designs provided services for the renovate as new Meeting House Hill School project in New Fairfield. Joanne will meet with the Client and food service provider to determine the functional needs of the kitchen and servery. Joanne will provide all design and specifications for the kitchen and servery equipment along with approval meetings with the City sanitarian. Joanne will provide bidding support, review of shop drawings, construction administration services and project oversight including punch list.

Acoustical Design and Layout – Cavanaugh Tocci Associates, Inc., Lincoln Berry: The BL Companies team has worked on a number of successful projects with Lincoln Berry, including the Mary M. Hooker Environmental Sciences Magnet School in Hartford, the Davis Street Arts Magnet School in New Haven, New Fairfield High School and Meeting House Hill School in New Fairfield. Cavanaugh Tocci Associates will work closely with the architectural designers and mechanical engineers to ensure that the State mandated acoustical requirements are achieved. Specifically, Lincoln will review all educational and performance and assembly spaces and make recommendations for acoustical treatment. All mechanical system designs will be reviewed including duct work design and discharge velocities, roof top units, fans and vibration isolation systems. The design team will incorporate the recommended modifications and submit the updated designs back to the acoustical engineer for final review and acceptance.

**PROJECT ROLE**

Principal-in-Charge

EDUCATION

Bachelor of Technology in Architecture, Ryerson Polytechnic Institute, 1980; Syllabus Design Program, Royal Architectural Institute of Canada, 1982; Master of Architecture, University of Michigan, 1985

REGISTRATION

Registered Architect: CT, DC, DE, FL, MA, MD, ME, MI, NH, NJ, NY, OH, PA, RI, TN, VT, VA and WV

Registered Interior Designer: CT

LEED Accredited Professional (LEED AP, BD+C); National Council of Architecture Registration Boards (NCARB)

PROFESSIONAL MEMBERSHIPS

American Institute of Architects (AIA); US Green Building Council (USGBC); Urban Land Institute (ULI)
CT Chapter Steering Committee Member; International Council of Shopping Centers (ICSC)

SUMMARY OF QUALIFICATIONS

Mr. Muhlbauer is the Director of Architecture at BL Companies with over 33 years of experience in the field of architecture working with Federal, State, municipal and private clients. His experience includes services in all phases of project development from pre-design through construction administration on project types including higher education, retail, commercial and residential. He is responsible for business development, client care and assisting with operations for the division and continues to apply his extensive project experience through oversight of design, production, construction administration, development of project budgets and contract negotiation. In addition, Mr. Muhlbauer leads the business development team in the Northeast region for the retail, commercial and residential markets.

In addition to architectural endeavors, he has been a facilitator for the company's Leadership Development Foundations program since 2010. He has also served on the Board of Directors for BL Companies from December 2010 through September 2013 and previously on the Yale University Men's Hockey Association Board of Directors from 2004 to 2006. In June 2011, he was selected to the Architectural Engineering Program Founding Advisory Board at Worcester Polytechnic Institute in Massachusetts. He has also volunteered his time as a youth hockey coach in New Haven and Guilford, CT since 1997.

RELEVANT EXPERIENCE**Academy High School, New Haven, Connecticut**

Serving as Principal in Charge for the programming and design for renovations to the existing 77,000 square foot, four-story college preparatory high school located on a tight urban block in the North-East side of the City. The renovation process involves significant environmental remediation facilitating the replacement of the existing exterior shell. The building will be renovated as new and will be designed in conformance with the Connecticut High Performance Building Standards. The estimated budget for the project is \$40,000,000. The project is scheduled for completion in the summer of 2016.

Davis Street Arts & Academics School, New Haven, Connecticut

Served as Principal in charge for the design of a new Pre-K through eighth grade school to replace the existing school originally built in 1918 with additions in the 40s and 50s. The existing school was razed to make way for a new 81,000 square foot, state-of-the-art facility. The challenge was to design a large facility that would not overpower its residential neighbors. This was accomplished by building into the slope of the site using residential scale design elements and materials. The goal was to replace the existing facility with an environment conducive to academic enrichment meeting the needs of this tight-knit inner city community while complying with the City of New Haven's stringent high performance building requirements. The school was opened in April 2011.

Meeting House Hill School, New Fairfield, Connecticut

Served as Principal in charge of programming and design of additions and renovations to the existing 84,000 square foot elementary school for grades three through five. The project included the demolition of an existing 12,650 square foot, single-story, pre-engineered building wing that had surpassed its useful life and creation of a new academic wing. The school was renovated as new while fully occupied over a 30 month period. Site circulation and parking were addressed including a new bus drop off loop, the creation of additional parking areas and improvements to the parent drop off lane. The estimated budget for this project was \$29 million. The project was completed in 2013 nearly \$900,000 under budget.

Choate Rosemary Hall, Archbold Hall, Wallingford, Connecticut

Served as Project Architect for the addition to and renovation of an existing three-story building, constructed in 1928, for this private boys and girls school. The project involved converting the existing infirmary on the first floor into a new campus admissions center and renovating the dormitory floors above. An addition on the first floor expanded the building's footprint to satisfy programmatic needs. Services were completed in 1996. Firm of Record: Herbert S. Newman & Partners.

University of Connecticut, President's House, Storrs, Connecticut

Served as Project Manager for the rehabilitation and expansion of this 1940's Georgian-style residence designated as a contributing structure to the University of Connecticut landmark property status. The home and grounds were expanded to accommodate social events while maintaining private domestic needs. Services were completed in 2003.

Rensselaer Polytechnic Institute, Hartford, Connecticut

Served as Project Architect for a benchmarking study, facilities assessment and detailed programming for the nine-story, 90,000 square foot existing facility in Hartford, Connecticut. Design services were completed in 2008.

Yale University, Information Technology Building, New Haven, Connecticut

Served as Project Manager for renovation of a six-story, 67,000 square foot office building purchased by Yale University. Several Information Technology Departments were relocated to the building requiring programming services, including furniture and equipment inventories. Interior spaces were reconfigured and life safety upgrades were incorporated. Renovations included architectural, mechanical, electrical and plumbing services. Services were completed in 2000.

Yale University, Dean's Residence, New Haven, Connecticut

Served as Project Architect for complete rehabilitation, reconstruction and restoration of a Georgian-style colonial revival house built in 1890. Renovations included complete replacement of mechanical, electrical and plumbing systems. All interior improvements were planned to be in harmony with the historic character of the home. The interior, while still primarily serving as a private residence, was reconfigured to comfortably accommodate social gatherings of up to 80 guests. A new kitchen was installed to serve both private needs and large catered events, with a rear deck added for entertaining. The entire exterior was restored to its original historic façade, including the reconstruction of the front entry porch. Services were completed in 2000.

University of Connecticut, Waring Hall, Storrs, Connecticut

Served as Project Architect for the schematic design and design development phases for the rehabilitation and adaptive re-use of Waring Hall at the University of Connecticut. The building was formerly used as laboratory and classroom space by the Chemistry Department prior to their relocation into new facilities. Renovations included comprehensive interior reconfiguration, repairs to the exterior skin and construction of a new four-story entry tower containing a circulation stair and access to the adjacent elevator. The building was converted to classroom, office and lounge spaces for the English Department and Mathematics Department and offices for student services. Services were completed in 1998. Firm of Record: Herbert S. Newman & Partners.

Kirby Theater, Amherst College, Amherst, Massachusetts

Served as Project Architect for the addition of an experimental "black box" theater to an existing theater. Services were completed in 1997. Firm of Record: Herbert S. Newman & Partners.

Historic Preservation and Rehabilitation, Waterbury Train Station, Waterbury, Connecticut.

Served as Principal in Charge for the historic preservation and rehabilitation of the existing Waterbury Train Station, working for the Waterbury Development Corporation. The building, which was previously converted to office spaces, was partially re-designated as a terminus station for this northern spur of the Metro North rail network. The facility was retrofitted to accommodate persons with disabilities, public waiting spaces and amenities, within the confines of the historical rehabilitation of the building and existing platform. Work was completed in 2014.

**PROJECT ROLE**

Senior Project Manager

EDUCATION

Bachelor of Science in Architectural Engineering, New York Institute of Technology, 1986

REGISTRATION

Registered Architect: Connecticut

Registered Interior Designer: Connecticut

Registered Architect: Virginia (#0401016846)

Registered Architect: Texas (#24729)

PROFESSIONAL MEMBERSHIPS

Member of American Institute of Architects

SUMMARY OF QUALIFICATIONS

Mr. Pellman has 28 years of experience in architecture, focusing primarily on the programming and design of educational and municipal facilities. He is experienced in producing effective and efficient solutions for complex renovation and expansion programs. His ability to communicate well with clients, project team members, and contractors translates into an impressive list of successfully completed projects.

RELEVANT EXPERIENCE**Academy High School, New Haven, Connecticut – LEED Silver equivalent**

Serving as Project Manager responsible for the programming and design for renovations to the existing 77,000 square foot, four-story college preparatory high school located on a tight urban block in the North-East side of the City. The renovation process involves significant environmental remediation facilitating the replacement of the existing exterior shell. The building will be renovated as new and will be designed in conformance with the Connecticut High Performance Building Standards. The estimated budget for the project is \$40,000,000. The project is slated to be completed in the summer of 2016. Architect of Record: BL Companies

Meeting House Elementary School, New Fairfield, Connecticut – LEED Silver Equivalent

Served as Project Manager responsible for the programming and designing of additions and renovations to the existing 84,000 square foot elementary school that houses grades three through five. The project included the demolition of an existing 12,650 square foot, single-story, butler-type building wing that has surpassed its useful life and the creation of a new academic wing. The school was renovated as new while fully occupied over a 30 month period. Site circulation and parking were addressed including a new bus drop off loop, the creation of additional parking areas and improvements to the parent drop off lane. The estimated budget for this project was \$27.6 Million Dollars. The project was completed in 2013 just over \$1,000,000 under budget. Architect of Record: BL Companies

New Fairfield Middle School Media Center, New Fairfield, Connecticut

Served as Project Manager and Project Designer for a new 2,400 square foot media center created within the existing school through the adaption of some underutilized spaces. The project involved the demolition of the existing technology area to create the new media center. The work included all new finishes, new technology, stack areas, workroom and classroom space, and new mechanical and lighting systems. The estimated budget for the first phase of this project was \$220,000. The project was completed in the fall of 2012. Architect of Record: BL Companies

Davis Street Arts and Academics School, New Haven, Connecticut – LEED Silver Equivalent

Served as the Project Designer for the new K-8, 82,000 square foot facility located in the West Rock neighborhood of New Haven on a tight urban site. Project responsibilities encompass all aspects of the project, including design, schedule, budget and quality control. The estimated budget for this project was \$30.4 Million Dollars. The project was completed in 2011. Architect of Record: BL Companies

Mary M. Hooker Environmental Sciences Magnet School, Hartford, Connecticut – LEED Platinum

Served as Project Designer for the additions and renovations to the existing Mary Hooker PreK– 8 School. Mary M. Hooker Environmental Sciences Magnet School is a unique PreK-8 facility located on 17 pristine acres near downtown Hartford,

Connecticut. Six acres are designated as an outdoor nature center and trail system. This extraordinary aspect extends the learning experience beyond the walls of the school and enables the faculty to develop a wide-ranging environmental curriculum. BL Companies designed a new 30,000 square foot addition and renovations to the existing 70,000 square foot school. The project includes ecologically and environmentally inspired spaces such as a butterfly vivarium, planetarium, greenhouse, weather station, aquatics laboratory and an ecological display for the school's main lobby. This is the first public elementary school in New England to earn a LEED Platinum rating level of sustainable design. The estimated budget for this project was \$41.775 Million Dollars. Completed in 2010 Architect of Record: BL Companies

New Fairfield Middle and High School, New Fairfield, Connecticut

Served as Project Manager and Project Architect responsible for the programming and designing of renovations to the existing 264,000 square foot middle and high school complex that houses grades six through eight and nine through 12, respectively. The first phase of the project involved the renovation of the 30,000 square foot third floor academic wing, including new science labs, prep rooms and classrooms. Future improvements may include an enlarged cafeteria, improved circulation, new entrance, new administration area, and auditorium renovations. New program spaces will include additional classrooms, family and consumer science rooms and middle school media center. The estimated budget for the first phase of this project was \$5,000,000. Completed in 2010. Architect of Record: BL Companies

North Haven High School, North Haven, Connecticut

Served as Project Manager and Contract Administrator for the new 242,000 square foot facility for 1,300 students in grades nine through 12, including a three-story academic wing, 650-seat performing arts center, 1500-seat gymnasium, media center with exterior plaza, ten science labs, culinary arts program and state of the art technology. Site features included new lighted multi-purpose field, baseball field, tennis courts, parking and site circulation. Completed in the fall of 2005 for a total project cost of \$75,000,000. Architect of Record: Kaestle Boos Associates

Portland Secondary Schools, Portland, Connecticut

Served as Project Manager, Project Architect and Construction Administrator for the addition of a seventh and eighth grade middle school onto the existing Portland High School. The 89,000 square foot existing facility was designed as "renovate-as-new" with 117,000 square foot additions, including a new-shared 640-seat auditorium, choral and instrumental music wing, kitchen and servery. The \$6,500,000 site included new track, softball, tennis and soccer fields. The high school included a new science wing, culinary arts center, media center and administrative offices. The new middle school included a two-story academic wing and entrance lobby, media center, gymnasium, cafeteria and technology wing. Both facilities received state of the art technology. Completed in 2004 for a project cost of \$39,655,000. Architect of Record: Kaestle Boos Associates

North Branford Middle and High School, Auditorium/Classroom Addition, North Branford, Connecticut

Served as Project Architect and Construction Administrator for the new auditorium and classroom addition that was situated between the existing middle school and high school. The project added 36,900 square feet which included a 650-seat performance theater, scene shop, dressing/costume area, and music and practice rooms that are shared by both schools. Five new middle school classrooms were also added and linked to the existing middle school by a two-story connection. The facility included a new parking area and enclosed access-bridge that connected the facility to the high school while maintaining the high school's main access road. The facility was completed in 2002 for a total project cost of \$12,500,000. Architect of Record: Kaestle Boos Associates

The Gilbert School, Winsted, Connecticut

Served as Project Manager, Project Architect and Contract Administrator for the quasi-private regional high school for grades nine through 12. The original 90,000 square foot building was renovated along with 21,000 square feet of additions. The original school consisted of 11 different floor levels and was built into the side of a mountain. The project eliminated an access drive that bisected the school into two buildings. A central addition consisting of new administrative offices and media center was built between the existing school buildings, unifying the facility on three separate floors. A four-story academic wing and new kitchen/servery were added along with two elevators and numerous code updates. The facility was completed in 2001 for a total project cost of \$12,400,000. Architect of Record: Kaestle Boos Associates



PROJECT ROLE
Project Architect

EDUCATION

Bachelor of Architecture, Wentworth Institute of Technology, 1997

SUMMARY OF QUALIFICATIONS

Mr. Johnson has 15 years of experience in Architecture in the residential, retail, educational and commercial markets. Specifically, he has been involved in providing design services associated with the design of residential, retail, educational and commercial facilities. He has expertise in the areas of design and document preparation. As a Project Architect at BL Companies, Mr. Johnson's responsibilities include designing, programming, drafting and construction administration.

RELEVANT EXPERIENCE

New Haven Academy, New Haven, Connecticut

Serving as Project Architect and construction administration for the renovation as new of New Haven Academy a 79,000 square foot magnet high school. The project is located on an urban site tight to the property line. Due to environmental issues and the goal of providing an energy efficient wall enclosure, the majority of the exterior walls are being removed and replaced with new cavity wall construction. The interior of the building will undergo extensive renovations in order to meet the project's program within a tight footprint. Project responsibilities are planning, design, and construction documents and construction administration. The project is under construction is due to be complete by the spring of 2016.

New Fairfield High School, New Fairfield, Connecticut

Served as Project Architect during design and construction administration of Phase 1 of the additions and renovations to the existing 264,000 square foot middle and high school complex that houses grades six through eight and nine through 12, respectively. Project responsibilities included space planning and construction administration. Attended owner meetings and provided project close out. Project was completed April 2011.

Meeting House Elementary School, New Fairfield, Connecticut – LEED Silver

Served as Project Architect for the renovation of the MHHS Elementary School. The project consisted of a full renovation of the existing elementary school in New Fairfield and the addition of a new fifth grade wing. The project included the demolition of an existing 12,650 square foot, single-story, butler-type building wing that has surpassed its useful life. Site circulation and parking was addressed including a new bus drop off loop, the creation of additional parking areas and improvements to the parent drop off lane. Project responsibilities included conceptual design, construction documents, State review process, and construction administration. The project was completed in fall of 2013. Architect of Record: BL Companies

New Fairfield High School, New Fairfield, Connecticut

Served as Project Architect. The project consisted of the renovation of the lower level bathrooms. Project responsibilities included conceptual design, construction documents and construction administration. Design services were completed in September of 2013.

New Fairfield High School, New Fairfield, Connecticut

Served as Project Architect. The project consisted of providing security upgrades to the main lobby. A new secure vestibule was designed. Project responsibilities included conceptual design, construction documents and construction administration. Design services were completed in September of 2013.

New Fairfield Middle School Media Center, New Fairfield, Connecticut

Served as Project Architect for a new 2,400 square foot media center created within the existing school through the adaption of some underutilized spaces. The project involved the demolition of the existing technology area to create the new media center. The work included all new finishes, new technology, stack areas, workroom and classroom space, and new mechanical and lighting systems. The project was completed in the fall of 2012. Architect of Record: BL Companies

Melissa Jones Elementary School Window and Casework Replacement, Guilford, Connecticut

Served as Project Architect for this project. The project consists of replacing the existing wood windows throughout the school with new aluminum double thermally broken, insulated storefront windows. In addition, the casework in eight classrooms and fixed benches within the cafeteria were replaced. Project responsibilities included planning, conceptual design, construction documents and construction administration. Design services were completed in October of 2012.

AW Cox Elementary School Window Replacement, Guilford, Connecticut

Serve as Project Architect for this project. The project consists of replacing existing windows and window wall systems with new aluminum double thermally broken storefront and aluminum thermally improved insulated windows. The renovation of the existing office includes security upgrades to main entrance. In addition, a number of metal doors, frames and louvers will be replaced. Project responsibilities include planning, conceptual design, construction documents and construction administration. The design services were completed in November 2014

Milford Academy Master Plan, Milford, Connecticut

Served as Senior Intern Architect for the master and space planning and building survey. Project responsibilities included coordinating a due diligence report for five buildings on site, master planning for the campus and providing documents from conceptual design to design development. Design services were completed in 2003. Architect of Record: BL Companies

New London High School, Science Class Room Renovations, New London, Connecticut

Served as Senior Intern Architect for the renovation of the existing science classrooms for the New London High School. Project responsibilities included providing drawings from conceptual design through construction documents. Design services were completed in 2003. Architect of Record: BL Companies

New London High School, Science Class Room Renovations, New London, Connecticut

Served as Senior Intern Architect for partial window replacement for the New London High School. Project responsibilities included providing drawings from conceptual design through construction documents. Design services were completed in 2003. Architect of Record: BL Companies

Interdistrict School for Arts and Communication (ISAAC) Magnet School, New London, Connecticut

Served as Senior Intern Architect for the renovation of an existing WMCA and converted office space to be reused as school space. Design also included reorganization of spaces, design, and roof replacement. Project responsibilities included drawing and designing the building from conceptual design through construction documents. Design services were completed in 2003. Architect of Record: BL Companies Roofing Projects:

Darcey School Roof Replacement, Cheshire, Connecticut

Served as Project Architect for the partial roof replacement. Project responsibilities included producing construction documents. Design services were completed in 2008. Architect of Record: BL Companies

Colonel Ledyard School, City of Groton, Connecticut

Served as Project Architect. The project consisted of the renovation and adaptive re-use of an existing school building turning into town offices. The total project budget was 2.2 million dollars. Project responsibilities included conceptual design, construction documents and construction administration. To be completed in 2015.



PROJECT ROLE
Structural Engineer

EDUCATION
Bachelor of Science in Civil Engineering, Rensselaer Polytechnic Institute, 1990

REGISTRATION
Professional Engineer: Connecticut, Delaware, District of Columbia, Florida, Kentucky, Maine, Maryland, Massachusetts, Missouri, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Vermont, Virginia, West Virginia

PROFESSIONAL MEMBERSHIPS
NCEES Record Holder, AISC, ASCE

SUMMARY OF QUALIFICATIONS

Mr. Albino is a Structural Engineer with more than 24 years of experience that covers a broad range of projects in the public and private sectors. He has been involved in the structural design of numerous retail, industrial, municipal and residential buildings. Additionally, Chris is experienced in project management, photovoltaic design, site design, roadway design and geotechnical investigations.

RELEVANT EXPERIENCE

Interdistrict School for Arts and Communication (ISAAC) Magnet School, New London, Connecticut

Served as Manager of Structural Engineering for the structural additions and alterations of an existing 80-year old office building in New London, CT, as part of a conversion to an arts and communications school. This multi-story building was originally wood joist and steel girder construction with multi-wythe brick walls with numerous additions, alterations and renovations over the years. Investigative work included physical inspection of entire building structure, and a catalog of the structural framing system, which was ongoing through the construction process as areas were uncovered. Responsible for structural design and preparing the construction drawings, depicting the proposed structural modifications, including strengthening of existing floors and walls, as well as new mechanical supports. Also, performed the structural shop drawing review and structural construction administration.

Meeting House Hill School, New Fairfield, Connecticut

Served as Manager of Structural Engineering for the structural design of a 20,000 SF classroom addition and the renovation of the existing 100,000 SF school. BL Companies provided multiple services in this project, including architectural, structural, and site engineering. The steel-frame structure incorporated open-web bar joists and reinforced masonry shear walls. Exterior enclosures of brick veneer with reinforced masonry back-up were utilized. Construction Administration was also performed for this project.

Academy High School, New Haven, Connecticut

Served as Manager of Structural Engineering for the structural design of a 80,000 SF renovate-as-new school. BL Companies provided multiple services in this project, including architectural, structural, and site engineering. The existing building was constructed in several phases with several different types of construction, with the majority of the exterior wall being removed for environmental reasons. New exterior enclosures of brick veneer with metal stud back-up are being utilized. Structural analysis and design for mechanical supports and miscellaneous alterations are also included in the scope of services.

Middlesex School, Darien, Connecticut

Served as Project Engineer for the renovations and additions to this school building. Performed both site inspection and structural design for this assignment.

H.B. Flood Middle School, Stratford, Connecticut

Served as Manager of Structural Engineering for the installation of replacement mechanical equipment. The existing mechanical equipment was housed in several penthouse areas throughout the building, which was assessed and modified for the new equipment, and also included supports for new mechanical piping mounted on the existing roof. Investigative work included physical inspection of building structure in the vicinity, and a catalog of framing sizes and locations to be used in the

design. Responsible for the structural design and preparation of construction documents, and was coordinated with the mechanical engineers, as well as the building maintenance personnel. Also, performed the structural shop drawing review and structural construction administration.

Hamden High School, Hamden, Connecticut

Served as Manager of Structural Engineering for the installation of replacement mechanical equipment. The existing mechanical supports were assessed and modified for the new equipment. Investigative work included physical inspection of building structure in the vicinity, and a catalog of framing sizes and locations to be used in the design. Responsible for the structural design and preparation of construction documents, and was coordinated with the mechanical engineers. Also, performed the structural shop drawing review and structural construction administration.

New Haven Board of Education, New Haven, Connecticut

Served as Project Engineer for the structural inspection of four schools in the City of New Haven. These multi-story masonry, steel and wood framed structures were between 50 and 100 years old. Work included physical inspection of entire building structure with interactions with building superintendents, and a report indicating conditions, life expectancies, deficiencies and recommended alterations, including cost estimates.

St. Barbara's Church, Orange, Connecticut

Served as Senior Structural Engineer for the structural design of a social hall and classroom addition to an existing church. The social hall incorporated arched steel roof joists to form the barrel-roof/ceiling of the 60' span. A gymnasium building, along with an attached 3-story support space was included in this project, which consisting of load-bearing masonry walls with long-span roof trusses. BL Companies was responsible for architectural, mechanical, plumbing and electrical design for this project, and also provided Special Inspection services during construction. Design services were completed in 2007.

Storrs Center, Mansfield, Connecticut

Served as Manager of Structural Engineering for the structural design of multiple 4-story apartment buildings over ground-level retail spaces as part of a town center development near the University of Connecticut. The lower level was constructed using a structural steel frame and concrete deck, while the upper levels were framed with wood trusses and wall panels. Work was coordinated with the architect, mechanical engineers and civil engineers.

University of Connecticut, Atwater Building, Storrs, Connecticut

Served as Manager of Structural Engineering for the structural analysis of the existing floor of this laboratory building on the UConn Campus, as it pertained to supporting large water tanks for the Department of Pathobiology and Veterinary Science. The work included providing a floor plan identifying the areas of the proposed tanks, so as not to overload any part of the floor structure.

University of Connecticut President's Residence, Storrs, Connecticut

Served as Manager of Structural Engineering for the design of new additions and alterations to the existing residential structure on the UConn campus. BL Companies was also the Architect and MEP Engineer for this project. Included in this work is Construction Administration services.

University of Connecticut – Arjona Building, Storrs, Connecticut

Served as Manager of Structural Engineering for the analysis and design of alterations and mechanical supports to the existing classroom structure on the UConn campus as part of infrastructure upgrades. BL Companies was also the Architect and MEP Engineer for this project.

Maloney High School – Temporary Structures, Meriden, Connecticut

Served as Manager of Structural Engineering and Structural Engineer for the design of a temporary egress stair and connector corridor as part of construction phasing by the Construction Manager. Responsible for the design and preparation of construction documents for the fire-treated wood framed stair and metal stud-framed elevated corridor, along with submitting Code Modifications to the Building Inspector.

**PROJECT ROLE**

Senior Project Engineer

EDUCATION

Bachelor of Science in Mechanical Engineering, Syracuse University, 1998

REGISTRATIONS

Professional Engineer: Connecticut, Kentucky, Massachusetts, Maryland, Missouri, Rhode Island

LEED Accredited Professional

PROFESSIONAL MEMBERSHIPS

ASHRAE

SUMMARY OF QUALIFICATIONS

Justin has 15 years of experience in HVAC/Mechanical Engineering. Justin has expertise in the areas of Telecommunications, Data Centers, Medical/Healthcare, K-12 Schools, Higher Education, Commercial, and Research. As Senior Mechanical Engineer and Project Manager at BL Companies, Justin's responsibilities include providing client an energy efficient, cost effective design strategy utilizing strengths in energy modeling, various design concepts, cost estimating, equipment selection, coordination with other disciplines and construction administration while focusing on customer service and exceeding the customer's expectations.

RELEVANT EXPERIENCE**Waterford High School Renovations and Additions, Waterford, Connecticut**

Served as Senior Mechanical Engineer for the renovation and additions to the existing Waterford High School. The addition consists of a 125,000 square foot, three-story, academic wing designed to achieve LEED Silver. The building is served by chilled beams served by a Dedicated Outside Air System. Heating and cooling for the addition is generated by a reversible chiller plant connected to a 150 geothermal well field system. The design services were completed in 2010 and the construction was completed the spring of 2013.

West Bristol K-8 School, Bristol, Connecticut

Served as Project Manager and Senior Mechanical Engineer for a 150,000 square foot, new K-8 school. The building was designed to be LEED Silver equivalent and achieved an energy cost budget score 55% better than code. This high performance building utilizes 150 closed loop geothermal wells to serve a variety of high performance equipment. Ventilation for the building is provided by roof mounted, water source Dedicated Outside Air systems. The classrooms are served by water cooled VRF units. The building is heated by a radiant floor system feed by water to water heat pumps. The building also incorporates a 90kw solar, photovoltaic array and solar hot water heaters. Building was completed in 2012.

Bagnall Elementary School, Groveland, Massachusetts

Served as Project Manager for an administrative office renovation and cafeteria, kitchen, and gym addition project. Design services were completed in 2012 and the construction completed the spring of 2013.

Asian Studies Academy at Belizzi School, Hartford, Connecticut

Served as the Project Manager and Sr. Mechanical Engineer for a targeted renovation project to the Belizzi School. The design included lighting upgrades for incentives, DDC control upgrades and a replacement of the original 50 year old steam boilers with new condensing gas-fired hot water boilers. Construction was complete in the spring of 2013.

Portsmouth Middle School, Portsmouth, New Hampshire

Served as Senior Mechanical Engineer for the design and a project Manager for the Construction Administration for a renovation and addition project to a 100 year old school in downtown Portsmouth. The design included a 75,000 sf addition consisting of a double gym, kitchen, and academic wing. The centerpiece of the addition is a large student commons which serves as a gathering place, the cafeteria and the auditorium. Design included replacement of all existing MEP equipment and a new boiler and chiller plant. Design services were completed in 2011 and construction is expected to wrap up in 2014.

Bloomfield High School Addition and Renovations, Bloomfield, Connecticut

Served as Senior Mechanical Engineer on a renovation and addition project to the 150,000 square foot high school. Design included one of the first full building applications of air cooled VRF air conditioning systems in the state. Construction was completed in 2009.

Emmett O'Brien Technical High School Addition and Renovations, Ansonia, Connecticut

Served as Senior Mechanical Engineer and Project Manager on a complete renovate to new and addition project. The design included packaged air handling equipment to serve the classroom and shop area. Design services were completed 2005 and 2011. Construction is expected to start in 2014 and continue to 2019.

University of Connecticut – Gant Science Complex

Served as the PM and the Sr. Mechanical Engineer on a multi-phase project at UCONN. The Gant Complex is four buildings with a total size of 400,000 square feet. Three of the buildings are approaching 40+ years. Phase 1 was an assessment and inventory of the unit ventilators, lab hoods and exhaust fans. Phase 2 was designing an approach for replacing and upgrading the laboratory exhaust system. Phase 3 is designing replacement unit ventilators for 50 classrooms. Services are ongoing.

University of Connecticut – Husky Village

Served as the PM and the Sr. Mechanical Engineer on a project to address heating and cooling issues for the complex of 6 fraternity and sorority houses. The project included site investigation and a report detailing multiple options for addressing the concerns of the occupants. The design phase includes retrofitting a new control system for all of the buildings. Services on going.

University of Connecticut – Arjona Building

Served as the Sr. Mechanical Engineer for the renovation of the Arjona building on the Storrs campus. The project included a new HVAC systems, including modular chillers serving fan coil units and air handling units, new controls system and connection to the campus steam loop. Completed in 2013.

Three Rivers Community College

Served as the Sr. Mechanical Engineer for the replacement of the main boiler plant for the campus. The project included replacing the failing boilers with new condensing boilers and pumps and updating the control system. Services are ongoing.

Southern Connecticut State University – Earl Hall

Served as the PM and Sr. Mechanical Engineer on a project to upgrade the ventilation/exhaust systems for the art classrooms. Design included a new dust collection system for the woodshop, a welding shop with hoods, ambient air filtration, a paint spray booth, makeup air units, and scavenging exhaust for a jewelry shop. Completed in 2013-2014.

Southern Connecticut State University – Lyman Center

Served as the PM and Sr. Mechanical Engineer on a project to replace an aging chiller and cooling tower. Project included a roof replacement, control upgrade, pump upgrade, and a new chiller and tower. Completed in 2013-2014.

Chiller Replacement for Toquam, Westhill and Springdale Schools, Stamford, Connecticut

Served as the Sr. Mechanical Engineer and Project Manager on a project to replace the chillers at three different schools. Each building had a different chiller/heat rejection type. Designed the systems to receive the maximum utility rebate. Design was completed in 2013.

University of Connecticut – Gant Science Complex Study, Storrs, Connecticut

Served as the Sr. Mechanical Engineer and Project manager on a study of the perimeter heating/cooling units and fume hoods in the 260,000 square foot science facility on the Storrs campus. The building was built in the early 60s and still has the majority of the original equipment. The intent was to identify and inventory which of the over 600 units are the non-functional and propose several new solutions in the accompanying report. Report was completed in 2013.

**PROJECT ROLE**

Senior Electrical Engineer

EDUCATION

Master of Science, Electrical Engineering, Rensselaer Polytechnic Institute, Troy, NY, 1993

Bachelor of Science, Aeronautical Engineering, Rensselaer Polytechnic Institute, Troy, NY, 1989

REGISTRATION

Registered Professional Engineer: Connecticut, Florida, Maryland, Massachusetts, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Texas

LEED Accredited Professional

PROFESSIONAL MEMBERSHIPS

NCEES Record Holder

SUMMARY OF QUALIFICATIONS

Steven Collins has 14 years of experience in Electrical Engineering for Building Systems. Steven Collins has expertise in the areas of commercial, healthcare, and educational markets. As Senior Electrical Engineer at BL Companies, Steven Collins' responsibilities include field investigation, design and specifications for electrical service entrance equipment, normal and emergency distribution systems, lighting systems and controls, power to utilization equipment and devices, fire alarm systems, and telecommunication and low voltage raceway systems.

RELEVANT EXPERIENCE**Bridgeport Multi Magnet School, Bridgeport, Connecticut**

Served as Senior Electrical Engineer for the design of a new 275,000 square foot Multi-Magnet High School for the City Of Bridgeport. Project responsibilities included design and specification of new service entrance equipment, normal and emergency power distribution systems, and lighting, power, fire alarm, security, photovoltaic, wind turbine, and telecommunication systems to meet the client's educational, theatrical, kitchen, and office facility requirements. Design services were completed in 2010.

Goodwin Early Childhood Magnet School, East Hartford, Connecticut

Served as Senior Electrical Engineer for the design of a new 30,000 square foot Early Childhood Magnet School for Goodwin College. Project responsibilities included design and specification of new service entrance equipment, normal power distribution system, and lighting, power, fire alarm, security, and telecommunication systems to meet the client's educational, kitchen, and office facility requirements. Design services were completed in 2011.

Floyd Bennett Field Historical Building Renovation, Brooklyn, New York

Served as Senior Electrical Engineer for the Floyd Bennett Field Historical Building Renovation. Project responsibilities included design and specification of a new 1600 amp, 480/277V, 3 phase service entrance equipment, normal and emergency power distribution systems, and lighting, power, fire alarm, lightning protection, and telecommunication systems to meet the clients RFP requirements for a Natural Gas Distribution Facility. Design services were completed in 2014.

Pepsi Lab, New Haven, Connecticut

Served as Senior Electrical Engineer for the design of a new lab facility for the Pepsi Corporation. Project responsibilities included the design and specification for new UPS, generator, and normal power distribution systems to meet the requirements for the lab and refrigeration equipment making up the lab, and the design of an EPO system. Design services were completed in 2011.

New Haven School of Management Data Center, New Haven, Connecticut

Served as Senior Electrical Engineer for the renovation of the Data Center for the Yale School of Management. Project responsibilities included the design and specification for new UPS and normal power distribution systems to meet the requirements for the Server Rack load requirement, as well the design of an EPO system. Design services were completed in 2007.

Wauregan Apartment, Norwich, Connecticut

Served as Senior Electrical Engineer for the renovation of the historic Wauregan Hotel in the City of Norwich. Project responsibilities included design and specification of new service entrance equipment, normal power distribution system, and lighting, power, fire alarm, cable television, and telecommunication systems to meet the requirements for the construction of 70 apartments dwelling units, and associated common and management/office areas. Design services were completed in 2004.

Vassar College Dormitory Renovation, Poughkeepsie, New York

Served as Senior Electrical Engineer for the renovation of a nine-story high rise dormitory for Vassar College. Project responsibilities included design and specification of new service entrance equipment, normal end emergency power distribution systems, and lighting, power, fire alarm, cable television, security, and telecommunication systems to meet the schools dormitory standards and requirements. Design services were completed in 2004.

Yale Vanderbilt Hall Dormitory Renovation, New Haven, Connecticut

Served as Electrical Engineer for the renovation of a five-story dormitory for Yale University. Project responsibilities included design and specification of new service entrance equipment, normal end emergency power distribution systems, and lighting, power, fire alarm, cable television, security, and telecommunication systems to meet the schools dormitory standards and requirements. Design services were completed in 2002.

Yale School of Law Tenant Fit-Out, New Haven, Connecticut

Served as Senior Electrical Engineer for the tenant fit-out of new office spaces and conference rooms for Yale School of Law. Project responsibilities included design and specification of lighting, power, fire alarm, security, and telecommunication systems to meet the client requirements. Design services were completed in 2011.

GSA Passport Office Tenant Fit-Out, Stamford, Connecticut

Served as Senior Electrical Engineer for the tenant fit-out of new office spaces for the GSA. Project responsibilities included design and specification of power distribution, lighting, power, fire alarm, security, and telecommunication systems to meet the client's requirements. Responsibilities also included power and EPO requirements for tenant server room. Design services were completed in 2011.

Hartford Medical Group Tenant Fit-Out, Wethersfield, Connecticut

Served as Senior Electrical Engineer for the tenant fit-out of a new medical office facility for Hartford Medical Group. Project responsibilities included design and specification of service entrance and power distribution systems, lighting, power, fire alarm, cable television, and telecommunication systems to meet the client requirements for exam rooms and office spaces. Design services were completed in 2008.

Union Savings Bank Branch Office and Training Facility, Wethersfield, Connecticut

Served as Senior Electrical Engineer for the construction of a new branch office and training facility for Union Savings Bank. Project responsibilities included design and specification of service entrance and power distribution systems, lighting, power, fire alarm, cable television, security and telecommunication systems to meet the client requirements. Design services were completed in 2008.

Oxford Greens Sewage Pumping Station, Oxford, Connecticut

Served as Senior Electrical Engineer for the design of a new Sewage Pumping Station for a townhouse development in Oxford. Project responsibilities included service entrance and normal and emergency power distribution, and pump control systems to meet equipment requirements. Design services were completed in 2012.

Yale Prospect Street Parking Garage, New Haven, Connecticut

Served as Senior Electrical Engineer for the construction of a new parking garage for Yale University. Project responsibilities included design and specification of service entrance and normal and emergency power distribution systems, lighting, power, fire alarm, security and telecommunication systems to meet the client requirements. Design services were completed in 2005.

**PROJECT ROLE**

Sr. Plumbing & Fire Protection Engineer

EDUCATION

Associates of Science, Fire Technology and Administration

REGISTRATION

Certified Plumbing Designer (CPD)

PROFESSIONAL MEMBERSHIPS

National Fire Protection Administration

Society of Fire Protection Engineers

American Society of Plumbing Engineers

SUMMARY OF QUALIFICATIONS

Nona Rudd has more than 30 years of experience in Plumbing Engineering and 15 years of experience in Fire Protection Engineering. Nona has expertise in the areas of museums, health care, high rise buildings, landmark and historic preservation, theaters, high end private residences, airport hangars, aquariums, building studies, university field houses, dormitories, high rise residential, K-12 schools, laboratories, libraries, office fit-outs, restaurants, religious institutions, retail and warehouses. As Senior Fire Protection and Plumbing Engineer at BL Companies, Nona's responsibilities include project conceptual design, design, specification writing, Quality Assurance/Quality Control (QA/QC) and construction administration.

RELEVANT EXPERIENCE**Gant Building University of Connecticut, Storrs, Connecticut**

Served as Plumbing Engineer for the evaluation of gas piping service to the rooftop mechanical equipment for future design renovation of the science building. Project responsibilities included fuel gas service to equipment locations. Design services to commence in October 2014.

Renaissance Residential Tower, Shelton, Connecticut

Served as Plumbing and Fire Protection Engineer for the 17-story residential tower. Project responsibilities included sanitary and domestic water design, equipment selection and fire sprinkler system, including pumps and standpipes throughout. The building design incorporated a roof top pool and spa. Design services were completed in 2004.

11 Forest Street, Stamford, Connecticut

Served as Plumbing and Fire Protection Engineer for a three-story multi-unit residential building with ground floor commercial space. Project responsibilities included sanitary and domestic water service to provide each unit with individual utilities, including gas and electric. The meter service room was designed to maximize tenant meters in a compact location. The building also featured flexible gas piping and on-demand instantaneous gas fire water heaters. Design services were completed in 2009.

Hartford Hospital, Hartford Connecticut

Served as Plumbing and Fire Protection Engineer for the various locations at Hartford Hospital, including Curtis Building Renovation, Neurology, 3rd Floor Renovation and Diabetes Center. Project responsibilities included plumbing and fire protection service to provide each space with required fixture and sprinkler coverage. This work is part of the on-call project scope with the hospital. Design services were completed in 2014.

Traveler's Phoenix Building, Hartford, Connecticut

Served as Plumbing and Fire Protection Engineer for renovation of tenant space of the 13-story commercial building. Project responsibilities included sanitary and domestic water service, and fire sprinkler and hose station locations. The renovation included restructuring and re-fitting of office space, common areas and plumbing fixtures. Design services were completed in 2014.

State of Connecticut I95 and Route 15 Rest Areas and Service Plazas, Connecticut

Served as Plumbing and Fire Protection Engineer for renovation of rest area buildings. Project responsibilities included sanitary

and domestic water service and fire protection. The project included renovation of historic service plaza buildings on the Route 15 corridor and new expanded service buildings on I95. The buildings house fast-food and convenience food establishments, toilet facilities and general merchandise stores. Design services were completed in 2012 - 2014. Construction is ongoing.

UConn Central Warehouse, Storrs, Connecticut

Served as Fire Protection Engineer for evaluating the existing ESFR sprinkler system and providing design correction for spray pattern obstructions due to large steam piping, unit heaters and structural steel. Project responsibilities included system modification which comprised site survey, code analyses and construction document. Design services were complete in September 2014.

SUNY Oneonta, Oneonta, New York

Served as Plumbing Engineer for the new 93,000 square foot campus Alumni Field House. Project responsibilities included plumbing design services of sanitary and domestic water, calculation, specifications, fixture selection and shop drawing review. The field house design included an irrigation system for the adjoining practice field and included a timed mobile water reel system. Design services were completed in 1997.

Mystic Marine Aquarium, Mystic, Connecticut

Served as Plumbing Engineer for the expansion and renovation of the aquarium, including the indoor theater, water stage areas and the Beluga Whale tank. Project responsibilities included the guest rest room facilities, café and snack areas and mechanical equipment room for both the building HVAC and the exhibit equipment. The Whale exhibit includes the circulating tank-water water falls, also a jet scrubber that is hiding at shallow area of the whale tank, and system support to reduce and eliminate the "scum foam" from the tanks filtration. Design services were completed in 1998.

Genoa Aquarium, Genoa, Italy

Served as Plumbing Engineer for the 200,000 square foot salt water aquarium. Project responsibilities included providing water service to the aquarium research and hold tank areas, and animal food facilities and support systems. The challenge for the domestic water service, which was mainly sea water, was to protect the piping system from Micro-Biological Corrosion (MIC) by selection of material, and flush points in the system, due to long periods of no-draw on the system. Design services were completed in 1992.

Metropolitan Museum of Art – Textile Conservation, New York, New York

Served as Plumbing Engineer for the new conservation area used to maintain and restore historic tapestries, rugs and other fabrics. Project responsibilities included separate but integrated systems for sanitary and domestic water, a compressed air system and a deionization water system throughout the area. The deionization system was critical to the project, since domestic potable water cannot be used in the preservation work of the tapestries. Design services were completed in 1995.

Southwest Air Cargo, Newark, New Jersey

Served as Fire Protection and Plumbing Engineer for the airline's air cargo holding facility. Project responsibilities included plumbing systems for toilet and pantry areas, and the sprinkler for the office and open holding areas. Though the building did not house aircrafts, the building structure and systems were required to follow regulations for airports including the water and fire services. Design services were completed in 2012.

Floyd Bennett Field, Brooklyn, New York

Provided construction administration for the plumbing and fire protection systems of an historic hangar building. Responsibilities include coordination of building services with schedule building infrastructure use and includes sanitary, water and fire protection. Project responsibilities included limited and as well as unheated hangar areas and unoccupied general building support areas for water service electric service and monitoring equipment. Design services were completed in July 2014 and is currently under construction.


PROJECT ROLE
 Civil Engineer

EDUCATION

Bachelor of Science in Civil Engineering, University of New Haven, 1991

REGISTRATION

Professional Engineer: Alabama, Connecticut, Massachusetts, New Jersey, Rhode Island, Vermont, Virginia

PROFESSIONAL MEMBERSHIPS

 Former Chairman of the City of Meriden Public Utilities Commission
 NCEES Record holder
 Society of American Military Engineers (SAME)

SUMMARY OF QUALIFICATIONS

Mr. Gradwell has over 22 years of experience in engineering and construction management in the Federal, public, pre K-12 schools, higher education, retail, commercial, financial, residential, industrial, and utility markets. Specifically, he has been involved in providing civil engineering services associated with the design of Federal, public and privately owned / developed facilities with an expertise in the areas of federal, retail, K-12, athletic field, and healthcare. As Senior Project Manager and Manager of the Civil Engineering & Landscape Architecture team at BL Companies, Mr. Gradwell's responsibilities include civil engineering design, project financial tracking, project and resource scheduling, multi-discipline project coordination, land use permitting and construction administration. Mr. Gradwell is the former Chairman of the City of Meriden Public Utilities Commission, which is responsible for the City of Meriden's sanitary sewers and public water supply for over 60,000 residents with an operating budget of \$18 million.

RELEVANT EXPERIENCE
Davis Street Arts and Academics School, New Haven, Connecticut

Served as the Senior Project Manager responsible for the preparation of permitting and contract documents as well as contract administration services for the new school. The design included 54 parking spaces, bus and parent drop off areas, site layout, an athletic field, utility plan, grading plan, erosion and sediment control plan, planting plan, and stormwater management plan. The land use permitting included the City of New Haven City Plan Commission and State of Connecticut Department of Energy and Environmental Protection application and subsequent approvals. The project also included a remedial action plan (RAP) that was coordinated with the civil engineering design. Design services were completed in 2009.

Sandy Hook Elementary School, Newtown, Connecticut

Served as Project Manager for the design and replacement of the Sandy Hook Elementary School. This included civil engineering, stormwater management, utilities and erosion and sediment control planning and permitting at the existing school site. The initial phase of the work involved the preparation of existing condition and demolition plans expedited in a fast track manner in order to have the existing Sandy Hook Elementary School removed completely in advance of the anniversary of the tragic event. As a follow up to the demolition, site design plans are being prepared which include site paving plans, traffic flow plans, grading and drainage plans, site hydrology/stormwater management design and reports, and sedimentation and erosion control plans and details. The team was responsible for the environmental and civil permitting process and presentation of the plans to the local county agencies for erosion and sediment control permits and the local municipal planning boards for site plan approval. Mr. Gradwell's team was responsible for the City and State permitting process and presentation of the plans to the Town of Newtown. Design services were completed in 2014.

Martinez PK-8 School, New Haven, Connecticut

Served as Project Engineer responsible for the preparation of permitting and contract documents as well as contract administration services for the new school. The design included 50 parking spaces, bus and parent drop areas, site layout, an athletic field, utility plan, grading plan, erosion and sediment control plan, planting plan, and stormwater management plan. The land use permitting included the City of New Haven City Plan Commission and State of Connecticut Department of Energy and Environmental Protection application and subsequent approvals. The project also included a long property acquisition process and remedial action plan (RAP) that was coordinated with the civil engineering design. Design services were completed in 2005.

Plainfield High School, Plainfield, Connecticut

Served as Project Manager responsible for the preparation of permitting and contract documents as well as contract administration services for the new high school. The design included 400 parking spaces, bus and parent drop areas, site layout, an athletic complex consisting of a baseball field, football field, soccer field, running track, and softball field, utility plan, grading plan, erosion and sediment control plan, planting plan, and stormwater management plan. The land use permitting included the Town of Plainfield Inland Wetland and Watercourse Commission and Planning and Zoning Commission, and State of Connecticut Department of Energy and Environmental Protection flood management certification and dam construction permit applications and subsequent approvals. The project also included a remedial action plan (RAP) that was coordinated with the civil engineering design. Design services were completed in 2004.

Sheehan High School, Wallingford, Connecticut

Served as Project Manager responsible for the preparation of permitting and contract documents as well as contract administration services for the new athletic complex at the high school. The design included running track and synthetic grass multi-purpose athletic field, utility plan with a pressurized sewer system, grading plan, erosion and sediment control plan, planting plan, and stormwater management plan. The land use permitting included the Town of Wallingford Inland Wetland and Watercourse Commission and Planning and Zoning Commission, and State of Connecticut Department of Energy and Environmental Protection application and subsequent approvals. Design services were completed in 2005.

Wallingford 11 School Renovation and Addition Project, Wallingford, Connecticut

Served as Project Manager responsible for the preparation of permitting and contract documents as well as contract administration services for the renovations and additions to 11 Town of Wallingford Schools. The design included parking areas, bus and parent drop areas, site layout, athletic field, utility plan, grading plan, erosion and sediment control plan, planting plan, and stormwater management plan. The land use permitting included the Town of Wallingford Inland Wetland and Watercourse Commission and Planning and Zoning Commission, and State of Connecticut Department of Energy and Environmental Protection application and subsequent approvals. Design services were completed in 2005.

Plymouth High School, Plymouth, Connecticut

Served as Project Manager responsible for the preparation of permitting and contract documents as well as contract administration services for the new high school. The design included 250 parking spaces, bus and parent drop areas, site layout, an athletic complex consisting of a baseball field, football field / soccer field, running track, and softball field, utility plan, grading plan, erosion and sediment control plan, planting plan, and stormwater management plan. The land use permitting included the Town of Plymouth Inland Wetland and Watercourse Commission and Planning and Zoning Commission, and State of Connecticut Department of Energy and Environmental Protection application and subsequent approvals. Design services were completed in 2005.

Roger Ludlowe High School, Fairfield, Connecticut

Served as Project Manager responsible for the preparation of permitting and contract documents as well as contract administration services for the renovations to the high school. The design included 200 parking spaces, bus and parent drop areas, site layout, an athletic complex consisting of a running track and a synthetic grass multi-purpose athletic field, utility plan, grading plan, erosion and sediment control plan, planting plan, and stormwater management plan. The land use permitting included the Town of Fairfield Inland Wetland and Watercourse Commission and Planning and Zoning Commission and State of Connecticut Department of Energy and Environmental Protection application and subsequent approvals. Design services were completed in 2005.

Warde High School, Fairfield, Connecticut

Served as Project Manager responsible for the preparation of permitting and contract documents as well as contract administration services for the renovations to the high school. The design included 200 parking spaces, bus and parent drop areas, site layout, an athletic complex consisting of a running track and a synthetic grass multi-purpose athletic field, utility plan, grading plan, erosion and sediment control plan, planting plan, and stormwater management plan. The land use permitting included the Town of Fairfield Inland Wetland and Watercourse Commission and Planning and Zoning Commission and State of Connecticut Department of Energy and Environmental Protection application and subsequent approvals. Design services were completed in 2005.

**PROJECT ROLE**

Landscape Architect

EDUCATION

Bachelor of Landscape Architecture, SUNY College of Environmental Science and Forestry, 1997
 Associate of Applied Science, Landscape Development, SUNY College of Agriculture and Technology, 1994

REGISTRATION

Landscape Architect: Connecticut, License No. LAR882
 Emergency Medical Responder: Connecticut, Certification No. 9565

PROFESSIONAL MEMBERSHIPS

Member, American Society of Landscape Architects
 Member Advocacy Committee, Connecticut Chapter American Society of Landscape Architects
 Member / Officer (Lieutenant), Mystic Fire Department (B.F. Hoxie Engine Company) - Mystic, CT
 Certified Hazardous Material Technician

SUMMARY OF QUALIFICATIONS

Dominick Celtruda has 20 years of experience in planning, design and construction experience. Mr. Celtruda possesses a strong background in planning, design, construction and maintenance of corporate, institutional, educational and municipal campuses. He has performed studies identifying factors that can be recognized, quantified and utilized during planning and design process to provide a better understanding of how spaces can be shaped to provide optimal use by the intended inhabitants (social cultural interaction). Mr. Celtruda has expertise in site analysis, concept analysis, schematic design, design development, contract documents, construction development and detailing, bidding, construction administration and management, presentation graphics, and design guideline creation. He is proficient in AutoCAD, Adobe Photoshop, and Microsoft Office Suite of Programs (Word, Excel, PowerPoint, etc). Experienced in Autodesk Land Desktop, Civil 3d, Google Sketchup, Newforma. Dominick serves as Lead Landscape Architect and Project Manager at BL Companies, providing professional landscape architecture services to a variety of public and private clients.

RELEVANT EXPERIENCE**Greenwich High School, Greenwich, Connecticut**

Served as Project Manager for this high school renovation project. Responsibilities included overseeing landscape architectural, civil and structural engineering services to facilitate a new 1,280 seat school performing arts theater addition along with renovation and reprogramming of the existing school theater space to the existing Greenwich High School. The addition will house a new state-of-the-art performing arts theater for school and community use. As part of the project, the existing theater space will be converted into other school program areas.

Plainfield High School, Plainfield, Connecticut

Served as Design Landscape Architect and assisted in permitting and contract documents as well as contract administration services for the new high school. The design included 400 parking spaces, bus and parent drop areas, site layout, an athletic complex consisting of a baseball field, football field, soccer field, running track, and softball field, utility plan, grading plan, erosion and sediment control plan, planting plan, and stormwater management plan. The land use permitting included the Town of Plainfield Inland Wetland and Watercourse Commission and Planning and Zoning Commission, and State of Connecticut Department of Energy and Environmental Protection flood management certification and dam construction permit applications and subsequent approvals. The project also included a remedial action plan (RAP) that was coordinated with the civil engineering design.

Suffield High School, Suffield, Connecticut

Served as Design Landscape Architect and contract documents as well as contract administration services for the new high school. The design included 400 parking spaces, bus and parent drop areas, site layout, an athletic complex consisting of a baseball field, football field / soccer field, running track, softball field, utility plan along with a pressurized sewer system, grading plan, erosion and sediment control plan, planting plan, and stormwater management plan.

Sheehan High School, Wallingford, Connecticut

Served as Design Landscape Architect and assisted in contract documents as well as contract administration services for the new athletic complex at the high school. The design included running track and synthetic grass multi-purpose athletic field, utility plan with a pressurized sewer system, grading plan, erosion and sediment control plan, planting plan, and stormwater management plan.

Wallingford 11 School Renovation and Addition Project, Wallingford, Connecticut

Served as Design Landscape Architect and assisted in contract documents as well as contract administration services for the renovations and additions to 11 Town of Wallingford Schools. The design included parking areas, bus and parent drop areas, site layout, athletic field, utility plan, grading plan, erosion and sediment control plan, planting plan, and stormwater management plan.

Plymouth High School, Plymouth, Connecticut

Served as Design Landscape Architect and assisted in contract documents as well as contract administration services for the new high school. The design included 250 parking spaces, bus and parent drop areas, site layout, an athletic complex consisting of a baseball field, football field / soccer field, running track, and softball field, utility plan, grading plan, erosion and sediment control plan, planting plan, and stormwater management plan.

Bishop Woods K-8 School, New Haven, Connecticut

Served as Project Manager to oversee landscape architecture, civil and environmental engineering. Responsible for contract documents and construction administration. Facilitated complete civil engineering and landscape architectural services for the construction of a new Pre-K through eighth grade elementary school. Services included site layout and vehicular circulation; landscaping and site lighting; extension and/or relocation of site utilities such as water distribution, sanitary sewer system, storm sewer system and electric/communication/cable television/gas; permitting - BSF Coordination.

Vernon Public Schools, Vernon, Connecticut

Served as Project Manager and was responsible for contract documents and construction administration. Oversight of complete civil engineering services for the renovation of seven existing schools in the town of Vernon Connecticut. The project consisted of renovations to Rockville High School, Vernon Center Middle School, and all of the town's elementary schools. Duties included site layout and vehicular circulation; ADA compliance; extension and/or relocation of site utilities such as water distribution, sanitary sewer system, storm sewer system and electric/communication/cable television/gas; permitting - BSF coordination.

Regional School District 17 Intermediate School, Killingworth, Connecticut

Served as Design Landscape Architect and assisted in contract documents as well as contract administration services for the new intermediate school. The design included 250 parking spaces, bus and parent drop areas, site layout, an athletic complex consisting of a baseball field, soccer field and softball field, utility plan, grading plan, erosion and sediment control plan, planting plan, potable water wells, septic system, pressurized sewer system, advanced wastewater treatment and stormwater management plan. The land use permitting included the Town of Killingworth Inland Wetland and Watercourse Commission and Planning and Zoning Commission, and State of Connecticut Department of Energy and Environmental Protection application and subsequent approvals. The project also included a remedial action plan (RAP) that was coordinated with the civil engineering design.

Troup PK-8 School, New Haven, Connecticut

Served as Design Landscape Architect and assisted in contract documents as well as contract administration services for the renovation of the school. The design included 50 parking spaces, bus and parent drop areas, site layout, an athletic field, utility plan, grading plan, erosion and sediment control plan, planting plan, and stormwater management plan.

Fort Trumbull State Park, New London, Connecticut

Served as Landscape Architect. Responsible for design coordination of Connecticut's newest State Park. Duties included historical research, site analysis, and conceptual development of the overall park design, layout, grading, cost estimates, and preparation of contract documents. Specific work performed in detailing the north and the south batteries, as well as the north magazine.

Fort Trumbull Master Development Plan, Riverwalk, New London, Connecticut

Served as Landscape Architect for the design of a pedestrian universally accessible riverwalk along the Thames River in New London. Responsibilities included site analysis, historical site data gathering, pedestrian and vehicular circulation analysis, layout, and presentation graphics.



PROJECT ROLE

Traffic Engineer

EDUCATION

Bachelor of Science in Civil Engineering, City College of New York
Masters of Science in Transportation Engineering, University of Connecticut

REGISTRATION

Professional Engineer: Connecticut, Massachusetts, New Jersey, Pennsylvania

PROFESSIONAL ORGANIZATIONS

Institute of Transportation Engineers (ITE)

SUMMARY OF QUALIFICATIONS

Mr. Greenberg has more than 30 years of experience in the areas of traffic engineering and transportation planning. He oversees a variety of transportation projects at BL Companies and is responsible for traffic impact studies, traffic control improvements, corridor analyses and the development of work zone traffic control plans. Mr. Greenberg has been published frequently in Public Works and ITE Journal, most recently with an expert article titled "Pedestrian Signal Usage in the Central Business District of Medium Sized Cities." He is an active member and former President of the Connecticut chapter of the Institute of Transportation Engineers.

RELEVANT EXPERIENCE

Sandy Hook Elementary School, Newtown, Connecticut

Served as Traffic Engineer for the new Sandy Hook Elementary School. Made recommendations regarding improving access and circulation.

Barnard School, New Haven, Connecticut

Served as Traffic Engineer responsible for the preparation of traffic impact study for expansion of the Barnard School and its conversion to a regional magnet school.

Talcott Mountain Academy, Avon, Connecticut

Served as Traffic Engineer responsible for the preparation of traffic impact study for expansion of this specialized facility for science students.

Rennell-Breul School, Bridgeport, Connecticut

Served as Traffic Engineer responsible for the preparation of traffic impact study for conversion of buildings on the University of Bridgeport campus into a City school.

Hamden High School, Hamden, Connecticut

Served as Traffic Engineer responsible for the preparation of traffic impact study for expansion of Hamden High School.

Valley Regional High School, Winthrop Junior High School, Deep River, Connecticut

Served as Traffic Engineer responsible for the preparation of traffic impact studies for expansion of these two schools.

East Lyme High School, East Lyme, Connecticut

In conjunction with proposed renovations and expansion of the athletic complex at East Lyme High School, Mr. Greenberg developed conceptual plans for consolidation of Route 1 driveways for the high school, an elementary school and the Board of Education offices at a new signalized intersection. Coordination with the adjacent fire station was necessary to ensure emergency vehicle access. Plans and analyses will be submitted to the Office of the State Traffic Administration for modification of the High School major traffic generator certificate.

Southern Connecticut State University, New Haven, Connecticut

Served as Project Manager for traffic impact study for the Wintergreen parking garage. Project responsibilities included a

complete traffic impact study for the garage and application to the State Traffic Commission (STC) for a modification of the campus certificate. Design services were completed in 2009.

Storrs Center, Mansfield, Connecticut

Served as Project Traffic Engineer for a large-scale, joint redevelopment project between the University of Connecticut and the Town of Mansfield, Connecticut. The project developed a vibrant, walkable, mixed-use "college town" where a commercial strip existed. Project responsibilities included a complete traffic impact study and design of corridor improvements. A State Traffic Commission (STC) application as a major traffic generator was obtained.

Storrs Road (Route 195) Improvements for the Storrs Center Project, Mansfield, Connecticut

Served as Traffic Engineer for the design and engineering services for Storrs Road (Route 195) in Mansfield. Project responsibilities included obtaining a Major Traffic Generator Certificate from the State Traffic Commission (STC) and preparing highway re-alignment plans consisting of the installation of turning lanes, medians, pedestrian crossings and traffic signals and traffic calming elements based on the approval plans by the STC. Complete capacity analyses were prepared for the project area using the SYNCHRO Model and traffic signal plans were prepared in Microstation.

Realignment of Mansfield Road, University of Connecticut, Storrs, Connecticut

Served as Traffic Engineer responsible for the design of the realignment and reconstruction of Mansfield Road at the intersection with Storrs Road (Route 195). The intersection is one of the main entrances into the University of Connecticut's Storrs Campus. The intersection was signalized, offset and did not have a dedicated left turn lane leaving the campus. The new alignment created a left turn lane, eliminated the offset, enhanced the entrance onto the campus and included a new traffic signal. Capacity analyses were performed in Synchro and a new traffic signal plan completed in Microstation.

Route 11 Expressway and Interstate 95 Interchange, East Lyme, Montville, Salem, and Waterford, Connecticut

Serves as Lead Traffic Engineer on the extension of Route 11 as a four-lane limited access roadway from the I-95/I-395 interchange in East Lyme and Waterford to the existing terminus of Route 11 in Salem. Updated traffic counts and revaluation of the traffic impacts of alternatives were prepared for 40 intersections and 40 expressway segments.

Guilford Commons, Guilford, Connecticut

Prepared a traffic impact study, Office of State Traffic Administration (OSTA) application and off-site improvement plans required to mitigate the impact of this retail development. Work included widening of a Route 95 off ramp and portions of Route 1, one new traffic signal and modifications to two existing traffic signals.

Connecticut Food Bank, Wallingford, Connecticut

Prepared a traffic impact study, Office of State Traffic Administration (OSTA) application and off-site improvement plans required to mitigate the impact of this development. Work included modification of a Town owned traffic signal to incorporate the new Food Bank driveway.


PROJECT ROLE
 Land Surveying

EDUCATION

Bachelor of Arts in Geology, Boston University, 1983
 Massachusetts School of Survey

REGISTRATION/TRAINING

Licensed Land Surveyor: Connecticut, Maine, Massachusetts, New Hampshire, Ohio, Pennsylvania, Rhode Island, Vermont

PROFESSIONAL MEMBERSHIPS

NCEES Record Holder; Past President, Connecticut Association of Land Surveyors (CALS); Massachusetts Association of Land Surveyors; Professional Women in Construction; President Elect - CREW - CT

SUMMARY OF QUALIFICATIONS

Ms. Marks has more than 32 years of professional experience in land surveying and mapping. As a Director of the Land Surveying department, Ms. Marks manages field crews and reviews surveying documents produced by the department. She is experienced in boundary and topographic surveys, pipeline and realted facility surveys, hydraulic studies, right-of-way and easement mapping, underground utility locating and construction stakeout. Ms. Marks is extremely familiar with the process of determination of unknown boundaries through careful examination of the field and record evidence. She has been active in developing the firm's quality control/quality assurance processes.

RELEVANT EXPERIENCE
Academy High School, New Haven, Connecticut – LEED Silver equivalent

Served as Survey Director responsible for the QA/QC of the land surveying services required for the design of renovations to the existing 77,000 square foot, four-story high school located on a tight urban block in the northeast side of the City. The project involved the preparation of a boundary/topographic survey and the identification of existing on-site and off-site utilities.

Mary M. Hooker Environmental Studies Magnet School, Hartford, Connecticut

Served as Survey Director responsible for the land surveying and mapping efforts on an addition and renovation project for the existing Mary Hooker Pre-K – 8 School. An overall boundary and topographic survey was prepared to create an existing conditions base plan. Extensive research at the local land records was performed to confirm parcel acquisition at the site. In addition, subsurface utilities were toned and marked in order to obtain an accurate depiction of the existing facilities. This is the first public elementary school in New England to earn a LEED Platinum rating level of sustainable design.

Sandy Hook Elementary School, Newtown, Connecticut

Served as Survey Director responsible for the QA/QC of the land surveying and mapping required for the design and replacement of the Sandy Hook Elementary School. The initial phase of the work involved the preparation of an expedited existing condition plan in order to have the existing Sandy Hook Elementary School removed completely in advance of the anniversary of the tragic event. Specific tasks included the preparation of a boundary/topographic survey of the school property as well as several adjacent parcels slated for acquisition, subsurface utility mark-out off all on and off site utility systems, and wetland delineation and locations. In addition, provided layout of memorial areas which were fenced off for preservation during construction.

Hamden High School, Hamden, Connecticut

Served as Survey Director for the Boundary and topographic survey for renovations and addition to public school, including locating utilities on site frontage on State Route 10.

Norwich Technical High School, Norwich, Connecticut

Served as Survey Director responsible for the control establishment and construction stakeout on a large expansion to the campus facility. Stakeout of column lines, volume computations, and providing elevations during the phased construction were a part of this work.

Barnard Environmental Magnet School, New Haven, Connecticut

Served as Survey Director responsible for the topographic survey of a nature center area adjacent to the West River. The survey included a dozen cross-sections of the river in order to determine the limits of the floodway which impacted the design of a pedestrian bridge. The bridge connects the nature center area to the school and crosses a very busy state highway.

Perry Hall Naval Academy Prep School, Newport, Rhode Island

Survey Director responsible for the utility mark-out to support the construction of an expansion to Perry Hall residence dorm at the Newport Naval Academy. Utilities toned and marked included electric, telecommunications, water and gas. Record drawings were provided to the client for use in the construction process.

Southern Connecticut State University, Buley Library Expansion Project, New Haven, Connecticut

Served as Survey Director responsible for the oversight of construction stakeout services for the Buley library expansion project at Southern Connecticut State University in New Haven, Connecticut. This project involved establishing and maintaining a horizontal and vertical control network relative to the building construction. Control was brought to upper levels of the structure for layout of radial column lines, and the placement of large glass windows. Underground utilities posed a major problem in the library expansion area. Field survey and mapping of the underground facilities was added to an existing base map in order to identify conflicts prior to actual excavation.

Quinnipiac College, Hamden, Connecticut

Served as Survey Director and managed the survey crews on several stakeout projects related to construction on the campus of this school. Included among these projects are the Rathskeller addition, the Business School expansion and the Hogan Road parking lot.

University of Connecticut CUE & Gentry Building Safety Improvement Project, Storrs, Connecticut

Served as Survey Director responsible for the QA/QC of a complete Existing Conditions Topographic Survey for the design of the new safety improvements for the UCONN CUE & Gentry Building Safety Improvement Project. Extensive field-work was performed to identify and reconcile existing and abandoned underground utilities, in particular the storm and sanitary systems.

University of Connecticut Arjona Building, Storrs, Connecticut

Served as Survey Director responsible for the QA/QC of a complete Existing Conditions Topographic Survey to support the design of a classroom renovation project at the University. The project included the establishment of horizontal and vertical control, the field survey and mapping of existing utility systems, and providing spot elevations in critical locations.

The Jackson Laboratory for Genomic Medicine – University of Connecticut Medical Campus, Farmington, Connecticut

Served as Survey Director responsible for the QA/QC of the construction layout of the new Jackson Laboratory for Genomic Medicine building. Specific tasks associated with the project included establishing site-specific horizontal and vertical control points, column line layout, and providing horizontal and vertical control points on each floor of the building.

Scott Pellman, AIA

(Architect of Record: BL Companies)

PM	PA	PD	CA	Project	Date Complete	Project Cost
X		X		Academy High School, New Haven, CT	2015	\$40,000,000
x		x	x	Meeting House Elementary School, New Fairfield, CT	2013	\$27,612,000
x		x	x	New Fairfield Middle School Media Center, New Fairfield	2012	\$ 250,000
		x	x	Davis Street Arts & Academics School, New Haven, CT	2011	\$30,400,000
		x		Mary Hooker Magnet School, Hartford, CT	2010	\$41,775,000
x		x	x	New Fairfield High School, New Fairfield, CT	2010	\$ 5,000,000
x			x	Darcy Elementary School Renovations, Cheshire, CT	2008	\$ 250,000
x	x		x	Dodd Middle School Gym Renovations, Cheshire, CT	2007	\$ 250,000

(Architect of Record: Kaestle Boos Associates)

x			x	North Haven High School, North Haven, CT	2005	\$75,000,000
x				Region 10 - Lewis S Mills High School	2005	\$45,000,000
x	x	x	x	Portland Secondary Schools, Portland, CT	2004	\$39,655,000
x	x	x	x	North Branford Auditorium/Classroom Addition	2002	\$12,500,000
x	x	x	x	The Gilbert School, Winsted, CT	2001	\$12,400,000
	x	x	x	Manomet Elementary School, Plymouth, MA	1999	\$ 9,500,000

(Architect of Record: Silver Petrucelli and Associates)

x			x	Harborside Elementary School, Milford, CT	1997	\$ 2,400,000
x			x	Foran High School Roof Replacement, Milford, CT	1997	\$ 400,000
x			x	Braeburn School Roof Replacement, West Hartford, CT	1997	\$ 290,000

Todd Johnson

(Architect of Record: BL Companies)

PA	PD	CA	Project	Date Complete	Project Cost
X		X	Academy High School, New Haven, CT	2015	\$40,000,000
x		x	Meeting House Elementary School, New Fairfield, CT	2013	\$27,612,000
x		x	New Fairfield Middle School Media Center, New Fairfield	2012	\$ 250,000
x			Darcy Elementary School Renovations, Cheshire, CT	2008	\$ 250,000
x	x	x	ISAAC School, New London, CT	2005	\$ 2,500,000
x	x	x	New London High School Science Labs, New London, CT	2004	\$ 2,000,000

LEGEND

PM: Project Manager
 PA: Project Architect
 PD: Project Designer
 CD: CADD Draftsman
 CA: Construction Administrator

Occupied During Renovation
 Renovate As New
 Occupied + Renovate As New

Denis Rioux, AIA, LEED AP**(Architect of Record: BL Companies)**

PM	PA	PD	CA	Project	Date Complete	Project Cost
x	x	x		Dodd Middle School Kitchen, Cheshire, CT	2010	\$ 300,000
<i>(Architect of Record: DeCarlo & Doll, Inc.)</i>						
x	x	x	x	New Middletown High School, Middletown, CT	2009	\$94,000,000
x	x	x	x	Cheshire High School, Cheshire, CT	2000	\$10,500,000
x	x	x		Columbus Elementary School, Bridgeport, CT	2009	\$ 5,000,000
x	x	x	x	Danbury High School, Danbury, CT	2002	\$ 5,000,000
x			x	Bradley Elementary School, Derby, CT	1998	\$ 4,500,000
x			x	Irving Elementary School, Derby, CT	1998	\$ 4,000,000
x			x	Dodd Middle School, Cheshire, CT	2002	\$ 1,800,000
x				Wilbur Cross Elementary School, Bridgeport, CT	2005	\$ 1,500,000
x			x	Miller Driscoll Elementary School, Wilton, CT	1997	\$ 1,200,000
x				Beardsley Elementary School, Bridgeport, CT	2005	\$ 500,000
<i>(Architect of Record: AM Design)</i>						
x		x		Toffolon Elementary School, Plainville, CT	2008	\$23,000,000

Daniel Casinelli, AIA, LEED AP**(Architect of Record: Fletcher Thompson, Inc.)**

PIC	PM	PA	CA	Project	Date Complete	Project Cost
x				Dunbar Elementary School, Bridgeport, CT	2015	\$ 5,600,000
x				Achievement First Bridgeport Elementary School, Bridgeport, CT	2015	\$ 3,600,000
x				DePaolo Middle School, Southington, CT	2015	\$ 45,000,000
x				John F. Kennedy Middle School, Southington, CT	2015	\$ 45,000,000
x				Maloney High School, Meriden, CT	2015	\$107,000,000
x				New Elementary School, Prospect, CT	2015	\$ 36,000,000
x				Laurel Ledge Elementary School, Beacon Falls, CT	2015	\$ 7,750,000
x				New Longfellow School, Bridgeport, CT	2015	\$ 38,000,000
x				Fairfield Prep High School, Student Life Center, Fairfield, CT	2014	\$ 12,000,000
x				Achievement First Amistad High School, New Haven, CT	2014	\$ 35,000,000
x				Goodwin College CT River Academy High School, East Hartford, CT	2013	\$ 60,000,000
	x		x	Perry Hill School, Shelton, CT	2010	\$ 41,400,000
	x			Norwalk High School, Norwalk, CT	2008	\$ 32,500,000
	x		x	Stamford High School Cafeteria Expansion, Stamford, CT	2007	\$ 3,200,000
	x		x	Shelton High School, Shelton, CT	2008	\$ 25,000,000
		x	x	Cesar Batalla School, Bridgeport, CT	2007	\$ 53,400,000
	x		x	Booth Hill School, Shelton, CT	2007	\$ 4,500,000
		x	x	Weston Intermediate School, Weston, CT	2005	\$ 28,000,000
		x	x	Regional Multi-Cultural Magnet School, New London, CT	2004	\$ 24,000,000
		x	x	Frenchtown Elementary School, Trumbull, CT	2003	\$ 30,200,000
		x	x	Sarah Noble Intermediate School, New Milford, CT	2001	\$ 22,000,000
		x	x	Wamogo High School, Litchfield, CT	2001	\$ 21,000,000
		x	x	New Milford High School, New Milford, CT	2000	\$ 48,000,000
		x	x	Chapel Street School, Stratford, CT	2000	\$ 7,000,000
		x		Middlebrook Middle School, Wilton, CT	1998	\$ 15,000,000

Nicholas Semyanko, RA

(Architect of Record: BL Companies)

PM	PA	CA	Project	Date Complete	Project Cost
	x		Davis Street Arts & Academics School, New Haven, CT	2011	\$30,400,000
	x	x	King Philip Middle School, West Hartford, CT	2011	\$ 200,000
	x	x	Conard High School, West Hartford, CT	2011	\$ 100,000
	x	x	New Fairfield High School, New Fairfield, CT	2010	\$ 5,000,000
	x		Mary Hooker Magnet School, Hartford, CT	2010	\$41,775,000
(Architect of Record: Fletcher Thompson)					
	x		New Killingly High School/Regional VoAg Ctr, Killingly, CT	2010	\$82,000,000
(Architect of Record: Mount Vernon Group)					
	x		Chicopee Comprehensive High School, Chicopee, MA	2007	\$92,000,000
	x		New Chicopee High School, Chicopee, MA	2005	\$86,000,000
(Architect of Record: JCJ Architecture)					
	x		Wintergreen Magnet School, Hamden, CT	1999	\$19,500,000

Mark Pozzi, AIA

(Architect of Record: Kagan Architecture)

PM	PA	CA	Project	Date Complete	Project Cost
	x	x	Roberto Clemente Leadership Academy, New Haven, CT	2010	\$27,000,000
		x	Benjamin Jason Magnet School, New Haven, CT	2008	\$30,000,000
(Architect of Record: Pozzi Associates, LLC)					
	x	x	Wilbur Cross High School Renovation, New Haven, CT	2001	\$60,000,000
	x	x	James Hillhouse High School, New Haven, CT	1997	\$ 6,400,000
	x	x	Cooperative Arts & Humanities HS, New Haven, CT	1997	\$ 4,000,000

Philip Maheu

(Architect of Record: JCJ Architecture)

PM	PA	PD	CA	Project	Date Complete	Project Cost
	x			Bridgeport Multi Magnet High School, Bridgeport, CT		\$ 85,000,000
	x			Trumbull Regional Center for the Arts, Trumbull, CT	2007	\$13,400,000
	x			Crosby High School, Waterbury, CT	2008	\$ 3,200,000
	x			Connecticut Center for Child Development, Milford, CT	2008	\$ 2,400,000
	x			Brooklyn Pre School Learning Center, Brooklyn, CT	2008	\$ 3,800,000
	x			Katherine Kolnaski Elementary School, Groton, CT	2007	\$12,000,000
	x			Northeast Academy Elementary School, Groton, CT	2007	\$12,000,000
	x			Bethany Middle School, Bethany, CT	2005	\$12,000,000
	x			Orange Middle School, Orange, CT	2005	\$12,000,000
(Architect of Record: S/L/A/M Collaborative)						
	x			James Naylor School, Hartford, CT	2006	\$10,000,000
(Architect of Record: The Design Partnership of Cambridge)						
	x			Pembroke High School, Pembroke, MA	2003	\$26,000,000
	x			Acton / Boxborough Regional High School, Acton, MA	2002	\$40,000,000
	x			Pepperell Middle School, Pepperell, MA	2002	\$17,600,000
	x			Flagg-Adams Middle School, Holliston, MA	2001	\$12,400,000
	x			Wetherbee Elementary School, Hingham, MA	2001	\$14,000,000
	x			Lincoln Elementary School, Melrose, MA	2000	\$10,000,000

Stephen Melingonis, AIA*(Architect of Record: Kaestle Boos Associates)*

PA	PD	CA	Project	Date Complete	Project Cost
x	x		DiLoreto Magnet School, New Britain, CT	2010	
x	x		New Britain High School, New Britain, CT	2009	
x	x		Watertown High School, Watertown, CT	2007	
x	x		Nathan Hale-Ray Middle School, East Haddam, CT	2004	

Richard Holland*(Architect of Record: BL Companies)*

CD	Project	Date Complete	Project Cost
x	Academy High School, New Haven, CT	2015	\$40,000,000
x	Meeting House Elementary School, New Fairfield, CT	2013	\$27,612,000
x	New Fairfield Middle School Media Center, New Fairfield	2012	\$ 250,000
x	New Fairfield High School, New Fairfield, CT	2010	\$ 5,000,000

Michael Gagnon*(Architect of Record: Kaestle Boos Associates)*

CD	Project	Date Complete	Project Cost
x	Stafford High School, Stafford, CT	2007	\$22,000,000
x	E.C. Goodwin Regional Technical School, New Britain, CT	2007	\$46,700,000
x	Swift Middle School, Watertown, CT	2006	\$40,000,000
x	North Haven High School, North Haven, CT	2005	\$75,000,000
x	Region 8 -RHAM High School, Hebron, CT	2005	\$51,000,000
x	Region 10, Lewis S Mills High School	2005	\$45,000,000
x	Performing Arts Magnet School & Palace Theater	2004	\$101,000,000
x	Portland Secondary Schools, Portland, CT	2004	\$39,655,000
x	Lincoln and Vance Elementary Schools, New Britain, CT	2004	\$35,000,000
x	Northend Elementary School, New Britain, CT	2004	\$ 6,000,000
x	Betsy Ross Arts Magnet School, Avon, CT	2003	\$24,000,000
x	Dartmouth High School, Dartmouth, MA	2002	\$38,000,000

LEGEND

PM: Project Manager
 PA: Project Architect
 PD: Project Designer
 CD: CADD Draftsman
 CA: Construction Administrator

Occupied During Renovation
 Renovate As New
 Occupied + Renovate As New

**STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION**

165 Capitol Avenue ♦ Hartford Connecticut 06106

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**BL COMPANIES CONNECTICUT INC
ATTN: LEGAL DEPT
355 RESEARCH PKWY
MERIDEN, CT 06450**

STATE OF CONNECTICUT ♦ DEPARTMENT OF CONSUMER PROTECTION

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BL COMPANIES CONNECTICUT INC

**355 RESEARCH PKWY
MERIDEN, CT 06450-7100**

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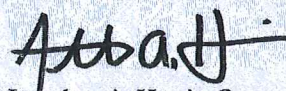
JOINT PRACTICE
for

Architecture Yes Landscape Architecture Yes Land Surveying Yes Professional Engineering Yes

License #JPC.0000064

Effective Date: 05/01/2015

Expiration Date: 04/30/2016


Jonathan A. Harris, Commissioner

QUALIFICATIONS

QUALIFICATION CRITERIA

Listed below are BL Companies' most recent projects that satisfy the Evaluation Criteria outlined in the RFP. The following pages provide a more detailed description of each project, as well as specific data highlighting our firm's ability to successfully maintain project budget and schedule.

Project	Located in CT	Included grant funding from State Dept. of Education within the past 10 years	Received Certificate of Occupancy	Renovate as New	Elementary School	Middle or High School	Budget of not less than \$25M
Mary M. Hooker Environmental Sciences Magnet School grades K-8	✓	✓	✓	✓	✓		✓
New Haven Academy High School grades 9-12	✓	✓	To be complete in 2016	✓		✓	✓
Davis Street Arts & Academics School grades K-8	✓	✓	✓		✓		✓
Meeting House Hill Elementary School grades 3-5	✓	✓	✓	✓	✓		✓
New Fairfield High School grades 9-12	✓					✓	





Mary M. Hooker Environmental Sciences Magnet School is a unique PreK-8 facility located on 17 pristine acres near downtown Hartford, Connecticut. Six acres are designated as an outdoor nature center and trail system. This extraordinary resource extends the learning experience beyond the walls of the school and enables the faculty to develop a wide-ranging environmental curriculum. BL Companies designed a new 28,500 SF addition and renovated as new the remaining 70,000 SF of the facility. The project includes ecologically and environmentally inspired spaces such as a butterfly vivarium, planetarium, greenhouse, weather station, aquatics laboratory and an ecological display for the school's main lobby.

Completed in 2010 this is the first public school in New England to earn **LEED Platinum**.

LOCATION

200 Sherbrooke
Hartford, Connecticut

Principal Architect: Scott Pellman, AIA
Design Started: February 2008
Project Complete: August 2010
Delivery Method: CM at Risk
Starting Construction Cost: \$28,694,967
Final Construction Cost: \$29,296,320
Total Change Orders: \$601,353
Change Order Percentage:
7% Design related, or 0.3% of the Construction Cost, 93% of Change Orders are Owner Requested or Field Conditions
LEED Certification: Platinum

PROJECT BUDGET \$41,775,000
BUILDING AREA 98,500 SF

SERVICES

Architecture, Civil Engineering, Land Surveying, Landscape Architecture, Transportation Engineering

AWARDS

- 2011 Connecticut Building Congress Project Team Award
- Learning By Design 2011 Outstanding Project, General Excellence, Green Design/Building/Sustainability Award
- AIA Connecticut People's Choice Award 2011
- U.S. Green Building Council, Connecticut Chapter, 2011 Alexion Pharmaceutical's Award of Excellence and the Commercial and Institutional Award of Honor
- CREW CT The Real Estate Exchange 2012 Annual
- Connecticut Real Estate Awards
- American School & University – Outstanding Design for Interior Renovation
- US Department of Education – Green Ribbon Award



The Meeting House Hill Elementary School was “renovated as new” while remaining fully occupied for the 32 month phased construction period. The existing elementary school houses grades 3 through 5 and included the demolition of an existing 12,650 SF single story butler type-building wing that had surpassed its useful life. A new 16,500 single story addition replaced the old wing and includes classrooms, special education, office space and new boiler room. The renovations included the reallocation of existing space to support an enlarged nurse’s suite and media center. Site circulation and parking was also addressed, including a new bus drop-off loop, the creation of additional parking areas and improvements to the parent drop-off lane. The school was completed in the spring of 2013.

This school was designed to LEED Silver equivalent standards, and meets the Connecticut High Performance Building Standards.

SERVICES

Architecture, Civil Engineering, Landscape Architecture, Land Surveying, Structural Engineering, Subsurface Utility Engineering

AWARDS

- American School & University Architectural Portfolio – Outstanding Design
- Learning by Design – 2014 Outstanding Project

LOCATION

24 Gillotti Road
New Fairfield, Connecticut

Design Started: May 2009
Project Complete: March 2013
Delivery Method: CM at Risk
Starting Construction Cost: \$27,800,000
Final Construction Cost: \$28,078,000
Total Change Orders: 1.1%
LEED Certification: Silver Equivalent

PROJECT BUDGET 27,612,000
BUILDING AREA 96,000 SF



BEFORE

FUTURE

BL Companies is currently coordinating final construction documents with the Office of School Facilities (OSF) for the New Haven Academy, which is a 72,000 SF, three-story inter-district magnet high school for grades 9-12 located in New Haven, CT. The existing 1948 building will be "renovated as new" into a modern educational facility to provide a permanent home for this college preparatory high school.

LOCATION

New Haven, Connecticut

Principal Architect: Scott Pellman, AIA

Design Started: March 2013

Project Complete: 2015

Delivery Method: CM at Risk

Starting Construction Cost: Currently Bidding

Final Construction Cost: n/a

Total Change Orders: n/a

LEED Certification: Silver Equivalent

PROJECT BUDGET \$40,000,000

BUILDING AREA 72,000 SF

Located on a tight city block bordering a well-established residential community, the building's exterior will be transformed with new masonry cavity walls, windows and cornice to capture the character of the community. The facility will feature four new science labs along with an expanded media center with views to the exterior and smaller conference rooms and teaching stations designed to promote student collaboration. A new exterior sunken courtyard will be created to bring additional light into the lower level cafeteria while providing the students access to this new secure outdoor space. The building will receive all new mechanical, electrical and plumbing systems, new finishes and will incorporate the latest technology and security.

Construction is scheduled to be complete in Fall 2015, the building is being design to LEED silver equivalent and will meet the CT High Performance Building Standards.

SERVICES

Architecture, Civil Engineering, Environmental Sciences, Landscape Architecture, Land Surveying, MEP Engineering, Structural Engineering, Subsurface Utility Engineering, Transportation Engineering





LOCATION

35 Davis Street
New Haven, Connecticut

Principal Architect: Scott Pellman, AIA
Design Started: February 2008
Project Complete: April 2011
Delivery Method: CM at Risk
Starting Construction Cost: \$27,454,982
Final Construction Cost: \$27,592,257
Total Change Orders: \$534,582
Change Order Percentage: 0% Design related, or 0.0% of the Construction Cost, 100% of Change Orders are Owner Requested or Field Conditions
LEED Certification: Silver Equivalent

PROJECT BUDGET \$30,400,000

BUILDING AREA 81,000 SF

The existing Davis Street Arts and Academics School was built in 1918 with additions in the 40s and 50s. The existing school was razed to make way for a new 81,000 SF, state-of-the-art facility. Some of the notable spaces include a "black box" performance space, converted to an open dance studio, a music suite with spaces for band, vocal and string programs, and an art room. A full media center, gymnasium, kitchen and cafeteria were included in the design for the Pre-K through eighth grade school. The design also included 54 parking spaces, bus and parent drop off areas, an athletic field and a playground.

The challenge was to design a large facility that would not overpower its residential neighbors. This was accomplished by building into the slope of the site using residential scale design elements and materials. The goal was to replace the existing facility with an environment conducive to academic enrichment meeting the needs of this tight-knit inner city community.

SERVICES

Architecture, Civil Engineering, Environmental Sciences, Land Surveying, Landscape Architecture, Planning, Transportation Engineering, Structural Engineering, Subsurface Utility Engineering

AWARD

Learning By Design 2012 Outstanding Project, General Excellence, Entire School/Campus





BL Companies produced a master plan of long term improvements and required renovations to the existing 264,000 SF middle and high school complex that houses grades 6 through 8 and 9 through 12, respectively. The first phase of the project involved the renovation of approximately 20,000 SF of the 30,000 SF third floor academic wing. The renovations included new science labs, prep rooms, classrooms and toilet facilities, MEP systems and finishes. Future improvements may include an enlarged cafeteria, improved circulation, new entrance, new administration area, and auditorium renovations. New program spaces may include additional classrooms, family and consumer science rooms and middle school media center.

Phase 1 was completed over the summer of 2010 on time and \$50,000 under budget. Since 2010, BL Companies has also provided design services for toilet and ADA renovations.

SERVICES

Architecture, Civil Engineering, MEP Engineering, Landscape Architecture, Structural Engineering

LOCATION

New Fairfield, Connecticut

Principal Architect: Scott Pellman, AIA

Project Complete: September 2010

Starting Construction Cost: \$4,398,653

Final Construction Cost: \$4,032,475

Change Order Percentage: 1.4%; The majority of the change orders involved the correction of hidden issues from past projects that were discovered only when walls were opened up and ductwork was removed.

LEED Certification: N/A

PROJECT BUDGET \$5,000,000

RENOVATED AREA 20,000 SF



LOCATION

190 Governor Winthrop Boulevard
New London, Connecticut

Design Started: December 2003
Project Complete: January 2005
Delivery Method: CM at Risk
Starting Construction Cost: \$1,909,767
Final Construction Cost: \$2,026,584
Total Change Orders: \$116,817
Change Order Percentage: 20% Design related,
or 1.2% of the Construction Cost, 80% of Change
Orders are Owner Requested or Field Conditions
LEED Certification: None

PROJECT BUDGET \$2,600,000

The relocation of the Interdistrict School for Arts and Communication to a four-story historic downtown building was met with excitement. The goal was to create a regional public middle school for 255 students in grades 6 through 8 through the adaptive re-use of an existing YMCA building. Interior work included the creation of classroom pods, a gymnasium, cafeteria, art room, music room with stage, offices and support facilities. Mechanical, electrical, and plumbing systems were upgraded. Exterior work included the addition of a safe bus lane, a rear play area façade renovations and roof replacement. The project was completed in 2005.

SERVICES

Architecture, Civil Engineering, MEP Engineering, Environmental Sciences, Structural Engineering

MARY M. HOOKER ENVIRONMENTAL SCIENCES MAGNET SCHOOL ~ HARTFORD, CT



Reference

Mr. Peter Dart
200 Sherbrooke Street
Hartford, CT 06106
(860) 695-3760
Dartp001@hartfordschools.org

Key Personnell & Consultants Assigned to Project:

Project Manager: Scott Pellman

DAVIS STREET ARTS & ACADEMICS MAGNET SCHOOL ~ NEW HAVEN, CT



Reference

Mr. Webster Grouten, Jr., LEED AP
Sr. Manager, Special Projects
Gilbane Construction
(203) 946-8920
wgroueten@gilbaneco.com

Key Personnell & Consultants Assigned to Project:

Project Manager: Scott Pellman
Interior Design Consultant: Lynn Brotman

NEW HAVEN ACADEMY SCHOOL ~ NEW HAVEN, CT



Reference

Mr. Webster Grouten, Jr., LEED AP
Sr. Manager, Special Projects
Gilbane Construction
(203) 946-8920
wgroueten@gilbaneco.com

Key Personnell & Consultants Assigned to Project:

Principal-in-Charge: Rainer Muhlbauer
Project Manager: Scott Pellman
Project Architect: Todd Johnson
Interior Design Consultant: Lynn Brotman

MEETING HOUSE HILL SCHOOL ~ NEW FAIRFIELD, CT



Reference

Dr. Alicia Roy
3 Brush Hill Road
New Fairfield, CT 06812
(203) 312-5770
roy.alicia@newfairfieldschools.org

Key Personnell & Consultants Assigned to Project:

Principal-in-Charge: Rainer Muhlbauer
Project Manager: Scott Pellman
Project Architect: Todd Johnson
Interior Design Consultant: Lynn Brotman

NEW FAIRFIELD HIGH SCHOOL ~ NEW FAIRFIELD, CT



Reference

Dr. Alicia Roy
3 Brush Hill Road
New Fairfield, CT 06812
(203) 312-5770
roy.alicia@newfairfieldschools.org

Key Personnell & Consultants Assigned to Project:

Principal-in-Charge: Rainer Muhlbauer
Project Manager: Scott Pellman
Project Architect: Todd Johnson



GENERAL EXCELLENCE

Green Design/Building/
Sustainability

BL COMPANIES, INC.
355 Research Parkway
Meriden, CT 06450
www.blcompanies.com
Scott Pellman, AIA
203/630-1406

DESIGN TEAM

Scott Pellman, AIA
Principal/Project Designer
Christopher Roof, AIA, LEED AP
Project Manager/Architect
Nicholas Semprano, AIA
Project Architect
John Schmitt,
Civil Engineer
James Fielding, ASLA
Landscape Architect
BVH Integrated Services,
Mechanical & Electrical Engineer
Virtian Energy & Environmental, LLC,
LEED Consultant

OWNER/CLIENT

Hartford Public Schools
Hartford, CT
Dr. Christine M. Kishimoto,
Superintendent
860/695-8000

KEY STATS

Grades Served: PreK-8
Capacity: 660 students
Size of Site: 17 acres
Building Area: 106,694 sq. ft.
Building Volume: 1.5 million cu. ft.
Space per Student: 162 sq. ft.
Cost per Student: \$34,212
Square Foot Cost: \$32.12
Construction Cost: \$22.6 million
Total Project Cost: \$42 million
Contract Date: Mar. 2009
Completed: Aug. 2010
Sustainability Rating System/
Applied/Status/Level:
LEED for Schools Registered/
Platinum

PHOTOGRAPHY BY ROBERT BENSON
PHOTOGRAPHY

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EARLY CHILDHOOD & ELEMENTARY SCHOOL

Mary M. Hooker Environmental Sciences Magnet School

Hartford, CT



The Mary M. Hooker Environmental Sciences Magnet School is one of the first schools in New England and the first in the City of Hartford to be designed to the LEED Platinum standard. The existing 75,000-square-foot building was renovated as new, while 31,000 square feet of additional space were added. The theme of the school is Education in Energy Efficiency and Environmental Responsibility. The entrance lobby presented a unique opportunity to develop what is essentially an environmentally focused children's museum for the students. Natural materials such as stone, reclaimed wood, and water were utilized to surround students with nature, as well as create an innovative and inviting learning environment. Large windows were strategically placed to infuse spaces with natural light and to provide a visual connection to forested portions of the 15-acre site. Six acres of the site are designated as an outdoor



GENERAL EXCELLENCE

Entire School/Campus Building

BL COMPANIES, INC.
355 Research Parkway
Meriden, CT 06450
www.blcompanies.com
Scott Pellman, AIA
203/630-1406

DESIGN TEAM

Scott Pellman, AIA
Project Manager
Nicholas Semprano, RA
Project Architect
John Schmitt,
Civil Engineer
Lynn Brennan,
Interior Design
O'Dea, Lynch & Abbots,
Mechanical, Electrical, and Plumbing
Engineering
BVH Integrated Services,
Structural Engineering

OWNER/CLIENT

City of New Haven
New Haven, CT
John, Principal
203/778-0000

KEY STATS

Served: PreK-7
y: 470 students
Site: 3.5 acres
Area: 81,000 sq. ft.
Volume: 80,676 cu. ft.
Student: 172 sq. ft.
Student: 365,638
Foot Cost: \$381
Cost: \$309 million
Cost: \$32.9 million
Date: Jan. 2008
Rev: Mar. 2011
Rating System/
Status/Level:
D Silver Standards

PHOTOGRAPHY

EARLY CHILDHOOD & ELEMENTARY SCHOOL

Davis Street Arts & Academics School

New Haven, CT

The 81,000-square-foot Davis Street Arts & Academics School is nestled in an urban neighborhood in New Haven, Connecticut, and was designed to blend with the residential community, utilizing gabled forms to break down the scale of the building.

The three-story school is constructed on an existing 3.5-acre sloping site that was home to the original 1918 school, which was razed for the project. The tight sloping site presented challenges along with opportunities to incorporate the building into the topography.

The design solution provided for direct egress to grade on the first and second floors, allowing program spaces for the primary grades to be located on two levels and minimizing the first-floor footprint. This approach allowed the inclusion of a playground, a 17,000-square-foot athletic field, three tennis courts, and 52 parking spaces on this compact site.

A flexible black box theater that easily converts to a large dance studio was provided to support the magnet theme, along with music rooms, a full gymnasium, and a second-floor art room that captures the northern views of Black Rock. The building incorporates radiant heated floors on the first level for the younger grades and was designed to the City of New Haven's stringent high-performance building requirements.



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Renovation/Adaptive Reuse/ Restoration

Entire School/Campus Building

BL Companies
355 Research Parkway
Meriden, CT 06450
www.blcompanies.com
Scott Pellman, AIA
203/630-1406

DESIGN TEAM

O&G Industries, Construction Manager

OWNER/CLIENT

New Fairfield Public Schools
New Fairfield, CT
Dr. Alicia Ray
203/312-5770

KEY STATS

Grades Served: 3-5
Capacity: 620 students
Size of Site: 13 acres
Building Area: 90,021 sq. ft.
Building Volume: 1.2 million cu. ft.
Space per Student: 150 sq. ft.
Cost per Student: \$36,970
Square Foot Cost: \$239
Construction Cost: \$22.1 million
Total Project Cost: \$26.7 million
Contract Date: Aug. 2010
Completed: Aug. 2013
Sustainability Rating System/Status/Level:
CT High Performance Building (LEED Silver Equivalent)

PHOTOGRAPHY: KEVIN STEVENSON PHOTOGRAPHY

EARLY CHILDHOOD & ELEMENTARY SCHOOL

Meeting House Hill School

New Fairfield, CT

Meeting House Hill School (MHHS) in New Fairfield, Connecticut, was in dire need of a makeover. The building, originally constructed in 1962, serves as an elementary school for grades 3-5 in the New Fairfield school system. The school already was in its second reincarnation, having previously housed the town's middle school for 33 years. The school district constructed a new middle school in 1995 and reconfigured MHHS for a younger student population.

The challenge tasked to BL Companies was to breathe new life into the structure's exterior by "renovating as new" a half-century-old building while upgrading the facility's interior to meet the requirements of 21st Century elementary school curriculum - all without vacating the student body during the renovation process.

To achieve the objective, BL Companies designed an eight-phase construction approach, which would enable students and staff to transition seamlessly from their old classroom areas to the newly renovated ones. Special academic areas such as music and art were temporarily converted into general classrooms to provide classroom flexibility during construction.



The media center was relocated to the heart of the building, which provided access to an interior courtyard that served as an outdoor classroom.

Over the course of the construction project, the design team re-configured existing interior rooms to provide appropriate program areas for the elementary grades, including dedicated special education and tutorial rooms, OT and PT spaces, and art and music rooms. Colorful storefront glazing systems with sunshades and natural stone accent walls were installed to highlight entrance areas for students, staff and visitors. The cafeteria and gymnasium were brightened with new finishes, ceilings, lighting, technology, sound systems,

and even theatrical lighting for a new permanent stage in the cafeteria. Bright colors and finishes were used liberally throughout the building to complement the learning experience. New bus and student drop off areas also were designed and clearly displayed, along with an additional parking area for staff and visitors. A series of playful banners and signage reinforced the school's mission statement throughout the building.

Throughout the renovation process, BL Companies' design team maintained constant communication with school officials to provide updated egress plans to ensure that everyone could transition safely into and out of their new surroundings. Through careful planning and the creative use of space, the facility has gained new life and is ready to serve the community of New Fairfield for another 50 years.



22 LEARNING BY DESIGN SPRING 2014 | www.learningbydesign.biz

“What is most striking is the attention to detail and responsiveness from BL Companies...Their professionalism, expertise, and service allowed me to focus on how to best utilize our new space without the distractions that can come with such a large endeavor.”

~ Peter Dart, Principal
Mary M. Hooker Environmental Sciences Magnet School



“BL Companies is dependable reliable, and responsive. The quality of work is exceptional – high standards, attention to detail, and with ongoing oversight of both project and client needs.”

~ Dr. Alicia Roy, Superintendent
New Fairfield Public Schools

“Incidentally, this is the lowest number of discrepancies I have ever discovered in a project of this scope – Congratulations!”

~ Christopher Laux, AIA (Building Official)
New Haven Academy High School



PROJECT APPROACH

PROJECT APPROACH / UNDERSTANDING

BL Companies works hard to integrate all of our clients into our overall project team through open lines of communication. The project will encompass architectural and engineering services to “renovate as new” with additions Ledyard Middle School and Gallup Elementary School to meet the educational specifications and applicable building codes. The effort will be led by a single project manager who will be the direct line of communication for the entire project team. It is understood that all environmental testing will be coordinated directly by the Town.

KICK-OFF MEETING

An initial meeting will be set up with the Town of Ledyard to establish the appropriate methods of communication and to clarify the staff and Town officials available to the architect for interviews and to assist in the gathering of information. The kick-off meeting will also define the process and schedule, as well as establish and confirm the scope of the project and milestones for project development.

INTEGRATED REVIEW OF EXISTING FACILITIES CONDITIONS AND SYSTEMS

BL Companies will gather all available existing facility documentation including reviewing the report produced by Silver Petrucelli. Information that will be reviewed shall include, but not be limited to, existing construction documents and specifications, past studies, maintenance history and records, asbestos management plans, historical utility costs, water usage, and sanitary system data. BL Companies will perform a thorough evaluation of the school buildings for code conformance, general condition, and infrastructure needs along with the building's capacity to support additional space dictated by the educational specifications.

ADMINISTRATIVE AND TOWN INTERVIEWS

Once we have had a chance to familiarize ourselves with your facilities we will meet with the School Administrators, Town Staff and Board of Education and Building Committee as identified in the kick-off meeting to further review the educational specifications and understand define specific needs and issues associated with the schools. We would also reach out to the local code officials for any comments or concerns that they may have with the existing facilities.

CONCEPTUAL AND SCHEMATIC PLANS AND ESTIMATE DEVELOPMENT

Once all of the interview information and recommendations have been compiled conceptual floor and site plans will be developed based on the approved educational specifications and meetings described above. It is anticipated that multiple plans and configurations may be explored. Addition infrastructure updates and required code improvements would also be incorporated into the design as directed by the Building Committee. An opinion of probable cost will be produced reflecting the anticipated construction costs including escalations for the proposed options. The project costs and options would be presented to the Building Committee for discussion including a careful review. Once a concept or concepts have been selected by the Committee for further refinement, our designers will develop the schematic plans to meet the educational specifications and incorporate additional comments provided by the Town. Narratives of the MEP systems would also be prepared at this time and reviewed with the Committee. When selecting mechanical and lighting systems, close attention will be paid to LEED requirements balancing those issues with short and long term operational costs.

DESIGN DEVELOPMENT

Our design team will continue to meet regularly with the Building Committee, administrators, teachers and maintenance personnel to review and discuss all interior finishes, fixtures and systems. These meetings will be documented and issued to all attendees. The project documents will be further developed to include wall sections and details required to describe the project. Mechanical systems will be developed to meet the

PROJECT APPROACH

minimum background noise requirements dictated by the Office of School Facilities (OSF) along with all indoor air quality requirements.

Specific technology plans will be developed locating all necessary wiring and communication devices and systems. These new data and communication systems will be based on any existing components or will look to the future for potential expandability if such systems do not currently exist. All specified equipment and fixtures will follow any standards currently incorporated into the Town of Ledyard School System. The geotechnical information will be reviewed where additions are incorporated and the structural system will be designed to meet the recommendations of the geotechnical engineer.

The site layout, grading, drainage and utility plans will be completed during this phase so permitting and coordination with required State agencies can commence. STC determinations and site issues will typically drive the approval schedule and are required by BSF before the project can be bid. An outline specification will be produced that will identify all major components to be incorporated into the project. A design development package of drawings, specifications and product cut sheets will be provided for Building Committee review and the project estimate will be updated. At this time we will also meet with the local building officials to review the project and incorporate any comments or concerns.

The final design development package will be thoroughly reviewed with the Building Committee and administrators and the project will not proceed until the budget and scope have been reconciled to the satisfaction of the Building Committee and Board of Education. Bid alternates may be discussed at this time to provide some additional flexibility in the bid process.

CONSTRUCTION DOCUMENTS

With the approval of the design development package and budget our design team will complete all necessary documentation required for State approvals and bidding authorization. At this time the FF&E package will also be finalized by meeting with administrators and staff to determine the specific furniture and fixture requirements and finishes. A separate Plan Completion Test (PCT) date will be requested for the Phase II FF&E package as required by BSF. The project estimate will be updated again to reflect the completed documents including FF&E. Any bid alternates will be finalized at this time, as they must be approved by OSF to qualify for State reimbursement.

The front end bidding requirements and general and supplemental general conditions will be reviewed and coordinated with the Town. All certification letters and required checklists will be prepared in anticipation of the PCT meeting with BSF. We will provide a complete set of project documents, specifications and the final budget for Building Committee review. We will coordinate the approval of the ED042 by the Board of Education and Building Committee as required for plan submission to the State. Our entire design team will attend the BSF plan review and will work diligently with the reviewers to expedite the approval of the plans. A second PCT meeting will take place with BSF for approval of the FF&E package.

BIDDING

The project team will coordinate the advertisement for bid with the Town and or Construction Manager. We will request updated wage rates within 10 to 20 days of the advertisement of bids as required by State statute. Our design team will coordinate a pre-bid walk through of the facility. All contractor questions will be addressed and responded to through addenda. We will attend and assist in the bid opening procedure and review all bids and make recommendations for contract award at the required Town meetings.

PROJECT APPROACH

CONSTRUCTION ADMINISTRATION

Our team of architects and engineers will attend a pre-construction meeting with all contractors and work with the Construction Manager to set a timetable for weekly job meetings over the duration of the project. All meeting dates will be coordinated with the Town to ensure the opportunity for administrators and Town officials to participate. A schedule of values will be requested from the contractor for approval by the architect, construction manager and Town and will be the basis of all payment applications. A shop drawing submittal schedule will be requested to identify critical path items and to ensure a timely review and approval process.

We will attend all regularly scheduled Building Committee meetings and Board of Education meetings as required to keep the Town informed on the construction progress. Our team will also visit the site regularly to observe the construction progress and to review and respond to contractor questions. The contractor's monthly payment applications will be reviewed and coordinated with the Town. If change orders are required and approved by the Building Committee we will coordinate with the Construction Manager to produce the required ED042CO change order forms who will then turn them to the contractor and BSF for processing.

Our team will answer all requests for information (RFI's) and track all RFI's and shop drawings to maintain accountability of all parties. BL Companies will coordinate the punch list process with the construction manager, Town and contractors and will issue the certificate of substantial completion with the approval of the Building Committee. The certificate of substantial completion approval date is critical, as it will trigger all warranty periods. Our team will review all final project closeout information including as-built documents and maintenance manuals provided by the contractor and forward all closeout information to the Town.

WORK SCHEDULE

Below is an anticipated schedule with milestone dates. A detailed project schedule will be developed and coordinated with the building committee at the kick off meeting describing specific tasks and additional milestone dates for all phases.

GALLUP HILL SCHOOL		LEDYARD MIDDLE SCHOOL	
Contract Award	July 6, 2015	Contract Award	July 6, 2015
Kick off and field work	2 weeks	Kick off and field work	2 weeks
Start Schematic Design	July 20, 2015 8 weeks	Schematic Design	8 weeks
SD Complete	September 14, 2015	SD Complete	September 14, 2015
Building Committee Review	1 week	Building Committee Review	1 week
Start Design Development	September 21, 2015 12 weeks	Start Design Development	September 21, 2015 12 weeks
DD Complete	December 14, 2015	DD Complete	December 14, 2015
DD estimate	2 weeks	DD estimate	2 weeks
Building Committee Review	1 week	Building Committee Review	1 week
Start Construction Documents	January 4, 2016 14 weeks	Start Construction Documents	January 4, 2016 14 weeks
CDs complete	April 11, 2016	CDs complete	April 11, 2016
CD estimate	2 weeks	CD estimate	2 weeks
Building Committee Review	1 week	Building Committee Review	1 week
ED042 approval	1 week	ED042 approval	1 week
Start State / Local review	May 9, 2016	Start State / Local review	May 9, 2016
Finish State review	June 20, 2016	Finish State review	June 20, 2016
Finalize any comments	2 weeks	Finalize any comments	2 weeks
Approved for bidding	July 5, 2016	Approved for bidding	July 5, 2016
State authorization of funding of ED049	Early July 2016	State authorization of funding of ED049	Early July 2016
Bidding	4 weeks	Bidding	4 weeks
Review and recommend	2 weeks	Review and recommend	2 weeks
Start of Construction	August 22, 2016	Start of Construction	August 22, 2016
Construction	24 months	Construction	30 months
PROJECT COMPLETE	September 2018	PROJECT COMPLETE	February 2019

BL Companies has never been involved in any litigation that would impact our ability to successfully perform this project, nor have we been involved in litigation related to school design or construction projects.

