APPLICANT TEAM PROFESSIONAL RESUMES

Mark Arigoni, PLA

Built Environment Sector Leader | Cheshire, CT

Mark Arigoni is the US Built Environment Sector Leader at SLR. With over 30 years of experience, he is responsible for maintaining existing and developing new clients, creating project momentum, and building creative, strong, and efficient project teams. Mark's diverse background in the development of both public and private built environment projects allows him to build consensus from conceptualization, visualization, and master planning, through management of design and budgets, regulatory permitting, and construction documentation for various projects of size and complexity throughout the United States. His projects have ranged from the design of greenways, streetscapes, environmental restorations, and athletic facilities to commercial site developments, urban revitalizations, waterfront redevelopments.

Years of Experience

29 years with the firm | 1 year with other firms

Professional Registrations

- Landscape Architect - CT, MA, NC, NH, NJ, NY, RI, VA

Education

- BS, Landscape Architecture, University of Connecticut

Project Experience

Harbor Brook Flood Control Improvements / The HUB Redevelopment, Meriden, CT
Lead Project Manager in a project team of water resource engineers responsible for the conceptual planning through design development of a flood control project through the City of Meriden along the 4-mile stretch of Harbor Brook. The coordination of many design disciplines for this flood control project led to the inclusion of several significant urban design elements throughout the reaches of the project. The project drastically improved the flood control aspects of this highly urbanized floodplain, it includes an urban linear park, a continuous bikeway through a newly created floodplain shelf, and the design of a new centrally located City park, commonly referred to as the HUB. Mark served as the Project Manager overseeing the design development process for the future redevelopment of the HUB area. The conceptual design of this project included an intensive public involvement plan that included several public informational and public participation meetings. Significant coordination was required to ensure compatibility with the necessary environmental remediation requirements, floodplain management and permitting requirements, as well as the development of the City's intermodal transportation center and public / private redevelopment efforts located on and adjacent to the HUB property. The centralized redevelopment project incorporates mixed-used redevelopment with the design of the 15-acre flood control park that includes an outdoor amphitheater; a section of the Harbor Brook trail; a signature 350-foot-long pedestrian bridge over the river, several civic plazas, and a variety of streetscape improvements.

Yale Farm Golf Course, Norfolk, CT
Project Manager for the coordination, site design, and permitting of an 18-hole world-class-caliber golf club and residential development. This project was designed to fit within the natural fabric of the landscape with the golf course following the natural terrain and the 63 home sites meticulously placed within clustered building envelopes to minimize the impact to the surrounding environment.

Harbor Point Redevelopment, Stamford, CT
Led conceptual and preliminary design phases of the 6,000,000-square-foot waterfront brownfield redevelopment project consisting of 4,000 residential units, over 100,000 square feet of retail and office space on approximately 80-acres on Stamford Harbor.

Autumn Estates, Farmington, CT
Planning and design of all site improvements for a 30-unit age-restricted residential development. Responsibilities included the preparation of site layout and landscape plans for the building, parking areas, walkways, and clubhouse. Design services included sanitary and storm sewers, utilities (water, telephone, and power), site lighting, the preparation of a sedimentation and erosion control plan, and a traffic study. This project was awarded the "HOBI" for "Best Planned 55+ residential development" and for "Best Accessory Building."

Brian Kaye, PLA

Senior Landscape Architect | Cheshire, CT

Brian Kaye is a Senior Landscape Architect specializing in complex site development and private school projects. His expertise lies in managing large-scale initiatives, intricate site constraints, and the demand for creative solutions. Possessing a comprehensive understanding of local and state permitting processes, Brian has successfully delivered projects for a diverse clientele with a proven ability to lead multidisciplinary teams. He has overseen numerous projects from inception through construction, emphasizing effective communication, fiscal prudence, and adherence to critical project timelines.

Years of Experience

10 years with the firm | 4 years with other firms

Professional Registrations

- Landscape Architect - CT

Education

- BS, Landscape Architecture, University of Connecticut

Project Experience

Centennial Inn, Farmington, CT
Prepared layout and grading concepts for improved circulation at high traffic egresses onto a state road. Brian also was responsible for creating improvements to enhance these gateways into the property.

Parker Place, Wallingford, CT
Landscape Architect responsible for detailed design and construction oversight for the community's clubhouse and amenity spaces including outdoor kitchens, fire pits, seating lounge, game lawn, yoga stage, and food truck access.

Choate Rosemary Hall – Carr Hall - Welcome Center and Admissions Office, Wallingford, CT
Served as the Project Manager for a new welcome and admissions building on the Choate Rosemary Hall campus. Working alongside a diverse project team led by Robert AM Stern Architects, the project featured a 2-story wood frame structure over an 87 car underground parking lot. The project included the design of a green roof and other various site amenities for students and their families as the arrive on campus.

Television Broadcasting Network, Bristol, CT
Prepared landscaping plans to create a year-round central corridor for employees to experience as they walk through campus.

Avalon Bay, Harrison, NY
Assisted in the preparation of conceptual grading, layout and master planning for a mixed use commercial and residential community in an urban setting. Brian was part of a list of multidisciplinary teams responsible for this work.

The Reserve, Danbury, CT
Landscaping plan for a 21-unit subdivision. Plant palette utilized native species as well as maintaining and restoring a woodland buffer to a downstream wetland environment.

Loomis Chaffee – Neo Theater - Performing Arts Center, Windsor, CT
Led the site design team on a new performing arts center that featured an auditorium hall, a black box theater, and a dance studio. Also included in the project was an outdoor performance space for students to use passively on the campus.

Tidewater Landing, Pawtucket, RI
Design services for a new riverfront soccer stadium on a brownfield site.

Todd D. Ritchie, PE, BCEE, CFM, REHS/RS

Principal Civil Engineer | Cheshire, CT

Todd Ritchie brings over 25 years of experience in land development, civil, and wastewater infrastructure. He is an accomplished civil / environmental engineer and project manager with a professional reputation for integrity, dedication and commitment to project success and client service. He has experience in management and engineering capacities for a wide variety of municipal and private site development, civil infrastructure, and wastewater projects from inception through design, bidding and construction. He is a team-oriented leader with excellent communication and coordination skills and extensive experience working on multi-disciplinary projects.

Years of Experience

5 years with the firm | 21 years with other firms

Professional Registrations

- Professional Engineer - CT, MA, ME, MI, NH, NY, RI, VT
- Board Certified Environmental Engineer (BCEE)
- Certified Floodplain Manager (CFM)
- Registered Environmental Health Specialist/ Registered Sanitarian (REHS/RS)
- Leadership in Energy and Environmental Design Accredited Professional (LEED AP)
- SITES Accredited Professional (SITES AP)
- Envision Sustainability Professional (ENV SP)
- Certified Professional in Erosion and Sediment Control (CPESC)
- Certified Professional in Stormwater Quality (CPSWQ)
- Certified Erosion, Sediment and Stormwater Inspector (CESSWI)
- Certified Soil Evaluator (MA Title 5)
- FAA Certified Unmanned Aircraft Systems Operator (14 CFR Part 107)
- OSHA 10-Hour Construction Safety and Health

Education

- Certificate of Graduate Study, Environmental Engineering, Worcester Polytechnic Institute
- MBA, Business Administration, University of New Haven
- BS, Civil Engineering, Clarkson University

Project Experience

The Estate, Townsend Avenue, New Haven, CT
Site engineering including layout, grading and stormwater design for proposed driveways and parking lot for an onsite wedding facility.

Goodsell Point Marina, Branford, CT
Site planning and engineering services for proposed redevelopment of existing marina property along with several adjacent residential properties as a Planned Development District with 15 single-family residential units and a 155-slip marina, including maintenance and amenities buildings.

Camp Yankee Trails, Tolland, CT
Site engineering including grading, stormwater and septic design for renovation of existing camp facilities and construction of new dining hall, cabins, shower house, driveways and parking lot.

Greenway Commons, Center Street, Southington, CT
Site planning, civil engineering and floodplain management services for a 48-unit (Building MR-2) multi-family apartment housing development.

The Views, Burban Drive, Branford, CT
Site planning and civil engineering services for adaptive reuse of former monastery building and property for a 59-unit, age-restrictive apartment housing development.

Lime Rock Park, Lakeville, CT
Site engineering including grading, stormwater, septic and utilities design for a proposed 20-bay garages building and a new concessions building.

Molly Berardi, PE

Associate Hydrology & Hydraulics Engineer | Cheshire, CT

Molly Berardi is an Associate Hydrology and Hydraulics Engineer in the Civil Engineering Department with experience in a variety of civil design projects including athletic fields, public and private site development, educational facilities, and residential housing. Her background includes the design of stormwater flood control solutions and “green” shoreline and streambank restoration solutions.

Years of Experience

6 years with the firm | 1 year with other firms

Professional Registrations

- Professional Engineer - CT, RI, NY

Education

- M.Eng., Environmental Engineering, Rensselaer Polytechnic Institute
- BS, Environmental Engineering, Rensselaer Polytechnic Institute

Project Experience

Counter Weight Brewing Company, Cheshire, CT
Assisted with stormwater management and drainage design for a new brewery. Conducted hydrologic and hydraulic analysis, including watershed delineation, storm drainage design, hydrologic and hydraulic modeling, and design of stormwater detention facilities.

Quinnipiac River Oyster Farm, New Haven, CT
Assisted with stormwater management and drainage design for an oyster farm facility. Conducted hydrologic and hydraulic analysis, including watershed delineation, storm drainage design, hydrologic and hydraulic modeling, and design of stormwater detention facilities.

Performing Arts Center, Simsbury, CT
Led stormwater management and water quality design for ADA and parking improvements of the Simsbury Performing Arts Center. Conducted hydrologic analysis, including watershed delineation, hydrologic modeling, and design of water quality facilities.

Livewell Expansion, Plantsville, CT
Assisted with stormwater management and drainage design for the expansion of the Livewell facility. Conducted hydrologic and hydraulic analysis, including watershed delineation, storm drainage design, hydrologic and hydraulic modeling, and design of stormwater detention facilities. Assisted with CTDOT OSTA drainage certification.

Mixed-Use Development, Rocky Hill, CT
Led storm drainage design for a mixed-use development in Rocky Hill, CT. Conducted hydrologic and hydraulic analysis including storm drainage design, and hydrologic and hydraulic modeling. Assisted with CTDOT OSTA drainage certification.

Medical Office Buildings, Middlebury, CT
Assisted with stormwater management and drainage design for the development of two medical office buildings. Conducted hydrologic and hydraulic analysis, including watershed delineation, storm drainage design, hydrologic and hydraulic modeling, and design of stormwater detention facilities. Assisted with CTDOT OSTA drainage certification.

David G. Sullivan, PE

US Manager of Community & Mobility Planning | New Haven, CT

As US Manager of Community & Mobility Planning, Dave has supervised numerous traffic engineering and transportation planning studies and improvement plans for new developments, corridors, and campus settings. Integral to these efforts were multi-modal evaluations and complete streets solutions. He has also supervised countless traffic impact studies for a variety of uses, including educational facilities, industrial plants, superblocks, shopping centers, residential developments, and office / business parks. Dave has significant experience related to parking studies. This includes evaluation of multiple facilities within town / city centers; individual multi-use projects where shared parking demand by users was evaluated; and operational evaluation of various parking strategies and on-street dynamic parking studies.

Years of Experience

37 years with the firm | 5 years with other firms

Professional Registrations

- Professional Engineer - CT

Education

- BS, Civil Engineering, University of Connecticut

Project Experience

University of Connecticut (UConn) Active Transportation Plan, Storrs, CT
SLR was hired to evaluate UConn's bicycle, pedestrian, and transit infrastructure, procedures, and policies to plan a future campus on which existing and emerging modes of transportation are more safe, intuitive, and efficient. SLR provided GIS mapping of transportation infrastructure and amenities, an existing conditions gap analysis, public outreach and engagement, development of a phased policy and project plan, conceptual design, and a 10-year Capital Plan including preliminary cost estimates. The project addressed the new modes of human powered and electrified transportation modes increasingly being used for campus travel, and - as recommended projects are implemented- will improve the safety of vulnerable road users on a campus ringed by state and local roads with high volumes of car and truck traffic.

Verplanck Elementary School, Manchester, CT
Traffic engineering services for the renovations to Verplanck Elementary School in Manchester, Connecticut. The renovated school provided expanded on-site parking, parent pick-up and drop-off, and a reconstructed bus loop separated from staff and parent parking.

Guilford High School, Guilford, CT
Traffic engineering services for the design of parking areas for a 208,000-square-foot high school in the Town of Guilford. A traffic impact study and bus circulation analysis was completed to evaluate traffic conditions and incorporate design features to mitigate impacts.

Chapel & Olive Mixed Use Development, New Haven, CT
Provided traffic engineering services for 6-story residential / retail development located in New Haven's historic Wooster Square neighborhood. The project includes covered parking, retail uses, a landscaped courtyard and other amenities, and 232 dwelling units.

Harbor Point and Yale & Towne Development, Stamford, CT
Provided traffic engineering and transportation planning services for this Transportation Oriented Development. The project is one of the largest development projects on the U.S. East Coast and includes 6 million square feet of mixed-use development: 85 percent residential (4,000 residential units); 15 percent commercial including office buildings, a grocery store, a waterfront hotel, restaurants, and a full-service marina; more than 11-acres of parks and public space; a community school; and publicly accessible waterfront access. Specific traffic engineering and transportation planning tasks for this $3.5 billion project have included traffic counts, analysis, recommendations, and traffic signal design.

Neil Olinski, MS, PTP

Principal Transportation Planner | New Haven, CT

Neil Olinski is a Principal Transportation Planner whose primarily responsibilities include transportation planning and traffic engineering. His efforts largely involve working towards sustainable multimodal mobility, access, and safety. His experience includes traffic studies; parking performance planning and analysis; roadway safety assessments (RSA); complete streets, safe streets, and context-sensitive street, intersection, and roadway design; comprehensive downtown and corridor transportation planning; traffic operations engineering; and assistance in traffic signal design.

Years of Experience

20 years with the firm | 2 years with other firms

Professional Registrations

- Professional Transportation Planner

Education

- MS, Civil Engineering with Concentration in Transportation & Urban Engineering, University of Connecticut
- BS, Environmental Design, Urban Studies (Cum Laude), University of Massachusetts

Project Experience

Parker Place Expansion, Wallingford, CT
Worked on numerous aspects of the Parker Place Apartments expansion project next to the Town train station and near downtown. Studied whether or not there would be traffic impacts, analyzed parking aspects, and designed walkability and safe pedestrian infrastructure at / adjacent to the site. Approval was additionally gained from OSTA and we helped to identify a component of the traffic signal at Parker Street / North Colony Road that needed to be fixed. For this Transit- Oriented-Development (TOD), worked to gain numerous approvals, reviewed street network travel flows, analyzed new development-generated multimodal traffic demands, confirmed transportation-user sight lines, and improved safety along and throughout the site and along the Amtrak/Hartford-Line Right-of-Way.

South Norwalk Extended-Stay Hotel, Norwalk, CT
Studied traffic and parking implications for this infill development in South Norwalk. An initial study and updated study were undertaken as the project evolved. As part of this job, pedestrian accommodations were assessed and assistance was given in designing the curbside drop-off / pick-up area.

Harbor Point / Yale & Towne, Stamford, CT
Performed preliminary traffic impact studies as part of early municipal approvals of this major project that has included numerous roadway improvements. This large infill / redevelopment project in Stamford's South End includes residential, retail, grocery, restaurant, office, and hotel facilities.

Cheshire Academy, Cheshire, CT
Assisted in state-level approval from the Office of the State Traffic Administration for the expansion of this historic private boarding and college preparatory school. Efforts have included analyses of intersection traffic operations and motorist line of sight analysis.

Choate Rosemary Hall, Wallingford, CT
Assisted in gaining state-level approval from the Office of the State Traffic Administration for an expansion of this boarding and college preparatory school that included the addition of on-campus faculty housing. Efforts included assessment of traffic increases and development of composite campus mapping.

Matthew J. Sanford, MS, SPWS, RSS

US Manager of Ecology | Cheshire, CT

Matthew Sanford is the firm's Manager of Ecology with experience in the areas of natural resources and specific expertise in vegetation management, invasive species control, GPS resource mapping, GIS modeling, biological inventories, water quality monitoring, watershed planning, vernal pool surveys; wetland delineation, assessment, and functions; inland wetland and tidal wetland impact mitigation; and peer review services. Matt's project experience includes computer modeling and design in ArcGIS and TR-20. He is a Senior Professional Wetland Scientist (SPWS) and is a Registered Soil Scientist (RSS). He has expertise in United States Army Corps of Engineer (USACE) wetland delineations and has conducted USACE delineations in New York, Connecticut, Vermont, and Massachusetts. He served as Vice President and President of the Connecticut Association of Wetland Scientists (CAWS).

Years of Experience

24 years with the firm | 1 year with other firms

Professional Registrations

- Certified ACOE Wetland Delineator
- Senior Professional Wetland Scientist
- Registered Soil Scientist

Education

- MS, Wetland Biology, Southern Connecticut State University
- BS, Natural Resource Management, University of Connecticut

Project Experience

Wake Robin Inn, Salisbury, CT
One of three botanists to perform a listed flora survey on a 20-acre parcel in Salisbury, CT for the expansion of an existing inn and spa. The site is a mix of mixed broadleaf deciduous forests, areas of maintained lawn, buildings, parking lot and exposed bedrock outcroppings. The site is underlain by calcareous soils and has the potential to support high ph tolerant listed flora species such as Smooth Cliff Brake, Wall Rue spleenwort, handsome sedge, and eastern few fruited sedge. Eastern few fruited sedge was identified on site. A eastern few fruited sedge relocation and monitoring plan was prepared and approved by the CTDEEP NDDB program. A comprehensive flora survey report was prepared and submitted to CTDEEP NDDB program for review and approval.

Stone Bridge Crossing Development, Cheshire, CT
Provided technical assistance on intensive botanical survey and listed species survey on 20 acres of former sandplain located along the Ten Mile River. Sandplain species of concern included Aristida purpurascens, Crocanthemum propinquum, and Polygala nuttallii. Provided QA/QC on final botanical survey report.

Ethel Walker School, Simsbury, CT
Completed wetland delineation on a 400-acre parcel. Conducted vernal pool and instream surveys within the site's wetlands and watercourses. Vernal pool surveys included visual encounter, minnow trapping, and dip netting methods. In addition, a functions and values report was prepared for local permitting. Also completed an extensive tree survey which identified species and size of trees. In addition, all trees greater than 24 inches diameter breast height (DBH) received numbered identification tags.

Golf Club of Purchase, Purchase, NY
Completed wetland boundary verification to assist the golf club is assessing opportunities to enhance course play. Assisted in the preparation of extensive wetland mitigation plan associated with proposed impacts based on course improvements. Provided quality control and support with federal, state, and local site plan regulatory permits.

Marlee L. Antill, MS, WPIT

Associate Environmental Scientist | New Haven, CT

Marlee Antill is an Associate Environmental Scientist with a focus in botany and strong background in natural resource management and ecological restoration. She has specific skillsets in wetland delineation and functional assessment, invasive species management, biological inventories including rare plant and vernal pool surveys, high accuracy GPS surveys, and habitat restoration site planning and monitoring. She also has extensive training and experience in GIS data management and using ArcGIS software to collect, analyze, and communicate spatial data. Marlee has utilized her background in plant taxonomy and ecology to perform wetland delineations, vegetation mapping, rare plant surveys, environmental impact assessments, and peer reviews; formalizing and communicating her results in reports and federal and state permit applications and environmental reviews including NEPA and CEPA. She is a Wetland Professional in Training (WPIT), currently completing the requirements to become a Professional Wetland Scientist (PWS). She has expertise in United States Army Corps of Engineer (USACE) wetland delineations and has conducted USACE delineations in Connecticut, Massachusetts, Rhode Island, New York, and California.

Years of Experience

5 years with the firm | 7 with other firms

Professional Registrations

- Wetland Professional in Training (WPIT)

Education

- MS, Plant Science, California State Polytechnic University, Ponoma
- BA, Environmental Studies, University of Vermont

Project Experience

555 Christian Road Timex Parcel – 750,000 SF Distribution Facility, Middlebury, CT
Performed natural resource investigations and assessments on 150-acre parcel known as the Timex Parcel. Completed wetland verification and delineation, wetland ecological assessment, wetland impact assessment, and wetland mitigation plans. Prepared and successfully obtained local wetlands and watercourse permit.

53 Spring Street – 300,000 SF Distribution Facility, Southington, CT
Performed natural resource investigations and assessments on 60-acre parcel located along Spring Street. Completed wetland verification, wetland ecological assessment, wetland impact assessment, and wetland mitigation plans. Prepared and successfully obtained local wetlands and watercourse permit.

Bozzuto's Site Development Impact Assessment and Mitigation, Cheshire, CT
Prepared a wetland delineation and impact assessment report for a proposed commercial building expansion within an existing shipping and storage facility. Assessed adjacent wetlands for potential off-site mitigation to compensate for on-site wetland impacts.

Proposed Wheeler Clinic, Bristol, CT
Prepared an Environmental Assessment (EA) for proposed Wheeler Clinic to assess the environmental and social impacts associated with the redevelopment of a formerly developed, vacant lot in downtown Bristol.

Cross Sound Ferry, New London, CT
Assisted with the permitting of Cross Sound Ferry and Thames Shipyard maintenance and upgrade projects. Completed USFWS, CT DEEP NDDB, and EFH consultations to inform project design and permitting. Prepared State and Federal permit applications to authorize dredging, bulkheads, and facility expansion in the Thames River and Orient Point. Prepared NEPA EA to assess the environmental and social impacts associated with the project.

Livewell Alliance Wetland Delineation and Impact Assessment, Plantsville, CT
Prepared impact assessment for proposed residential facility expansion along the Quinnipiac River including stormwater management design features to protect native ecosystem and adjacent water quality.

Vincent C. McDermott, FASLA, AICP

Principal Landscape Architect | Cheshire, CT

Vincent McDermott has over 50 years of experience with planning, engineering, and land development firms, as well as with governmental and academic institutions. He is responsible for technical oversight on such projects as streetscape improvements, land use planning, parks and recreational facilities, bikeways and greenways, community and master planning, and site development for commercial and residential facilities. He is routinely involved in community development and public outreach programs. Vince has contributed to the recognition and advancement of landscape architecture through his extensive service on the Connecticut Board of Landscape Architects and his leadership and involvement as President of the Council of Landscape Architecture Registration Board. He was elected a Fellow of the American Society of Landscape Architects in 1997. He was presented the Lifetime Achievement Award from the State of Connecticut Greenways Council in 2018.

Years of Experience

37 years with the firm | 18 years with other firms

Professional Registrations

- Landscape Architect - CT, MA, SC
- Certified Planner, American Institute of Certified Planners

Education

- MLA, Landscape Architecture, University of Massachusetts
- BS, Plant Science, University of Connecticut

Project Experience

East Haddam Municipal Space Evaluation, East Haddam, CT
Principal-in-Charge overseeing a study of the town's municipal space needs that encompass the potential expansion of its schools, municipal offices, and emergency services. Phase I of the study focused on an overcrowding problem at its elementary and middle schools. The firm was charged with the task of identifying the opportunities and constraints of four school sites to determine their development potential to support a new school or the expansion of an existing school. The site investigation also focused on such critical issues and influences as inland and wetland watercourses, topographic limitations, the presence of bedrock, the adequacy of infrastructure, and access. Conceptual site plans were prepared for three of the properties to illustrate how they could be developed to accommodate school expansion.

Hamden High School Athletic Fields Master Plan, Hamden, CT
Principal-in-Charge overseeing the study and design to Hamden High School's athletic fields. The project included an evaluation of the existing athletic fields, renovation of the existing multipurpose synthetic turf multi-use field, conversion of the existing grass baseball field to a multipurpose synthetic field, bleacher seating, and construction phase services.

Canton High School Athletic Field Study & Design, Canton, CT
Principal-in-Charge overseeing the study and design of a new synthetic track and synthetic multipurpose athletic field at Canton High School. The new facility includes a new track that surrounds the multipurpose field, and the reconstruction of a portion of the parking lot. The project also includes the installation of field lights, bleacher seating for 500 spectators including a press box, and other related facilities designed in accordance with ADA accessible standards.

Fairfield Hills Development, Newtown, CT
Reuse development of a state-owned former medical institution located on approximately 185 acres. The proposed plan calls for a mixed use of commercial, retail, residential, and open space.

Kishor Patel, PE, P.Eng.

US Manager of Structural Engineering | Cheshire, CT

As US Manager of Structural Engineering, Kishor Patel has a very diverse and impactful role in structural engineering. His work on bridges, retaining walls, greenhouses, fish ladders, and small dams requires a lot of expertise and attention to detail. Conducting structural analysis and inspections for various projects including retaining walls, foundations, bridges abutments, dams, and buildings shows his extensive knowledge and experience in the field. Kishor routinely conducts NBIS-inspections for former railroad bridges and culverts for greenway and trail projects also highlight his commitment to safety and sustainability.

Years of Experience

26 years with the firm

Professional Registrations

- Professional Engineer (PE) - CT, FL, ID, MA, MD, ME, MI, NH, NJ, NY, OR, RI, SC, TN, TX, UT, VT, WA
- Professional Engineer (P.Eng.) - BC, ON

Education

- BS, Civil Engineering, Concordia University

Project Experience

Avalon Bay Communities
As a Project Manager for numerous retaining wall projects across Connecticut and New York showcases extensive experience and expertise in structural engineering. Coordinating subsurface investigations and preparing structure computations and designs for earth retaining structures, including both cast-in-place and precast concrete, involves a lot of technical skill and precision. The variety of projects managed include varying requirements and complexities. Projects include residential developments to subdivisions and redevelopments which highlights his versatility and ability to handle diverse challenges. The detailed work on plans, elevations, typical sections, and details or fence and railing requirements further emphasizes thorough approach to project management. Some of the notable projects in Connecticut are Avalon Hollow in Darien, Avalon Springs in Wilton, Avalon Still River in Danbury, Avalon Shelton, Armstrong Road in Shelton, Connecticut River Retaining Wall in Old Saybrook, Avalon Lakeview in New Canaan, Oxbow Farms (Evens Parcel) in Canton. Projects in New York include Avalon Hollow in Rye, Avalon in White Plains, and Avalon in Port Chester.

National Coast Guard Museum, New London, CT
Structural Engineer for the new National Coast Guard Museum and proposed pedestrian overpass within New London's intermodal transportation hub, providing regional rail, ferry, and bus service. The proposed overpass will provide safe pedestrian access over a busy active rail line and New London's busy Water Street to assess the museum. Design of building to withstand flood forces for first floor of 7-story building.

Fire Stations #1, 2, 5, Waterbury, CT
Performed a structural inspection of the existing fire station structure and prepared an existing conditions report. Prepared a schematic design and layout of the 4 stations with cost estimates.

Growell Greenhouse Structural Design, Cheshire, Vernon, Middletown, Cromwell, Shelton, Newtown, Wallingford, Norwalk, Bethel, & Newington, CT
Designed and prepared construction plans for greenhouses throughout Connecticut for various sizes and dimensions.

TIM S. EAGLES, AIA, LEED AP

PRINCIPAL-IN-CHARGE

Tim is Principal at edmSTUDIO as well as the founder and director of the architecture division since 1999. Tim's perceptive listening skills allow him to clarify and contextualize each client's vision resulting in a straightforward project management process and well-informed design. His 35+ years experience include projects in Italy and throughout the Northeast.

EDUCATION

B. Architecture - University of Notre Dame

REGISTRATIONS

Connecticut
New Jersey
Massachusetts
Rhode Island
New York
New Hampshire
Vermont

MEMBERSHIPS

American Institute of Architects (AIA)
AIA Connecticut
US Green Building Council

SELECT EXPERIENCE

Mount Holyoke College - South Hadley, MA

Hooker Auditorium, Dormitory Renovations, Academic Building Renovations, Code Evaluations, Feasibility Studies, Window/Door Replacements

Amherst College - Amherst, MA

Academic Building Renovations, Office Renovations, Grounds Building

Williams College - Williamstown, MA

Academic Building Renovations, Student Center, Dormitory Renovations, Office Renovations, Admissions Office, Fitness Center, Code Evaluations, Feasibility Studies

Hampshire College - Amherst, MA

Academic Building Renovations, Technology Lab, Student Café, Office Renovations, Code Evaluations, Feasibility Studies, Roof Replacement

Mitchell College - New London, CT

Duques Academic Success Center, Clark Center/Dining Hall/Cafe, Residence Hall

Amherst College Frost Cafe - Amherst, MA

New Student Cafe

Massachusetts College of Liberal Arts - North Adams, MA

New 11,900 SF facilities building

Smith College – Northampton, MA

Roof Replacement, Window Replacements, Porch Replacement

University of Connecticut On-Call - Various Locations in CT

Various Architectural projects throughout the CT campuses

The Pingry School - Basking Ridge, NJ

Lower School Modernization - Phase 1 & 2, Upper School Classroom Renovations, Upper School Health Suite, Upper School Technology Suite, Upper School Senior Commons

Berkshire Country Day School – Stockbridge , MA

Classroom, Admin Building, Science Building, Library, Energy Study

Ethel Walker School - Simsbury, CT

Smith Dorm Reuse Study, Centennial Center, Beaver Brook Connector

Hopkins School - New Haven, CT

Baldwin Hall, Math Study Lounge and

Language Lab

King School - Stamford, CT

Upper School Innovation Lab, Upper School HVAC

Hotchkiss School - Lakeville, CT

Elfers Walk Drainage Study, Faculty Room

Brass City Charter School - Waterbury, CT

Adaptive Reuse Converting Church Complex into Elementary/Middle School Campus

South Windsor Public Schools - South Windsor, CT*

103,000 SF new addition and renovations to existing 112,000 SF Timothy Edwards Middle School including new gym, 600 seat auditorium, music teaching suite, art classrooms, enlarging cafeteria, and general classroom renovations

Berkshire School - Sheffield , MA

Benson Music Suite, DeWindt Dormitory, Spurr Dormitory

Choate Rosemary Hall - Wallingford, CT

St. John Math Building Renovations/Additions, Hill House Portico, Memorial House Portico, WJAC Portico, Headmaster's Office Suite, IT Offices, Victorian Inn

East Windsor Public Schools - East Windsor, CT

Cafeteria Renovations, Nurse's Office, Roof Replacements, Boiler Replacements

Essex Elementary School - Essex, CT*

New media center and addition to general classrooms

Chester Elementary School*

Classroom additions, new media center, and renovations to main entry

Culinary & Nutrition Center - Springfield, MA

Building Assessment and Renovation of 56,000 SF Building

Municipal Projects - Suffield, CT

Master Plan for Town Hall, Town Hall Roof Annex Roof Replacement, Fire House Roof, Town-wide Facilities Conditions Assessment

City of Springfield - Springfield, MA

New 11,900 SF Skills Technical Training Facility

City of Chicopee - Chicopee, MA

Downtown Gateways Projects, RiverMills Senior Center

The Colonial Theatre - Pittsfield, MA

Exterior and Interior Renovations of 1903 Theatre

Municipal Projects - West Stockbridge, MA

Town Offices, Town Library

Beacon Cinema - Pittsfield, MA

Facade Restoration

Municipal Projects - Adams, MA

Community Center Study, Downtown Facade Improvement Program, Topia Theater

Town Hall - New Marlburough, MA

Town Hall Feasibility Study

Town of West Stockbridge - West Stockbridge, MA

Town Offices, Town Library

Public Library - Hinsdale, MA

Historic Library Renovation

Mount Holyoke College - South Hadley, MA

Hooker Auditorium, Dormitory Renovations, Academic Building Renovations, Code Evaluations, Feasibility Studies, Window/Door Replacements

Amherst College - Amherst, MA

Academic Building Renovations, Office Renovations, Grounds Building

Worchester Housing Authority - Worchester, MA

Lakeside Apartment Unit Renovations

Christopher Arms Housing - Pittsfield, MA

24-Unit Renovation

Municipal Projects - East Windsor, CT

East Windsor High School Nurse's Suite Renovation, Broad Brook Elementary School Nurse's Suite Renovation, Town Hall Roof Replacement, Town Hall HVAC Replacement, Broad Brook Boiler Replacement, High School Boiler Replacement

Berkshire Gas Headquarters - Pittsfield, MA

Five-phase renovations of a multi-story, occupied building

New Britain EMS - New Britain, CT

15,000 SF renovation of Emergency Medical Services facility

Municipal Projects - West Stockbridge, MA

Town Offices, Police Station, Town Library

Tunxis Hose Fire House - Unionville, CT

Restoration of historic fire house

General Dynamics - Pittsfield, MA

Code Studies, Building Renovations

Alstom Power, Inc. - Windsor, CT

Code Studies, Building Renovations

PeoplesBank – Holyoke, MA

Branch Banks

Crane & Co. - Dalton, MA

Code Studies, Building Renovations, Entrance Renovations

Momentive Performance Materials - Waterford, NY

Code Studies, Building Renovations, Entrance Renovations, B12 Cafe

Hamilton Sundstrand – Windsor Locks, CT

Code Studies, Building Renovations

Berkshire Bank – Pittsfield, MA

Branch Banks, Master Plan, Executive Office Renovations, Operations Center

50 Elm Cafe & Spirits - Hartford, CT

Restaurant Renovation

1000 Lafayette Cafe - Hartford, CT

Restaurant Renovation

Gobi Mongolian Grill - Southington, CT

New Restaurant Concept

Friendly's Ice Cream Corporation - Wilbraham, MA

Prototype Building Development

Technical Graphics - Nashua, NH

Redesign of manufacturing facility including next exterior look, offices, labs, manufacturing and storage.

Tribe Mediterranean Foods - Taunton, MA

Redesign of manufacturing facility including next exterior look, offices, warehouse and freezer.

United Methodist Homes - Newington, CT

New Health Suite, Community Space, Six Additional 1-Bedroom Units

United Methodist Homes - Shelton, CT

Renovations to create new 21-unit Memory Care Suite

United Methodist Homes - Shelton, CT

8-unit Memory Care Suite addition

United Methodist Homes – Farmington, CT

Interior Design, Furniture & Fixtures

Geer Village - Canaan, CT

12-Unit Independent Living addition with Community Rooms, Pub, and Offices

Municipal Projects – Suffield, CT

Master Plan for Town Departments

Mitchell College – New London, CT

Comprehensive Master Plan for college campus

The Pingry School Upper & Lower Facilities - Basking Ridge, NJ

Master Plan for two separate school facilities

Dalton Community Recreation Association - Dalton, MA

Master Plan to determine expansion potential of existing site of historic building

Trinity Episcopal Church –Lenox, MA

Master Plan for Church's four existing buildings

McCullough Temple CME Church - New Britain, CT

Feasibility Study of 3 options for a new church.

Trinity Episcopal Church - Lenox, MA

Existing Building Evaluation, Site Master Plan

St. James Church - Great Barrington, MA

Existing Building Evaluation

Church of Saint Mary -Lakeville, CT

Building Evaluation, Addition and Renovation.

Sacred Heart Church -Bloomfield, CT

Addition/renovation Study

St. Mary's Church Portland, CT

Building Evaluation, Building Renovations

2021 Renovations - Lowell, MA

Renovations to Four Schools including Roof, Boiler, Door and Window Replacements as Part of MSBA Accelerated Repair Program

2022 Renovations - Lowell, MA

Renovations to Five Schools including Roof, Boiler, Door and Window Replacements as Part of MSBA Accelerated Repair Program

Westall School - Fall River, MA

Roof and Boiler Replacement as Part of MSBA Accelerated Repair Program

South Street School - Fitchburg, MA

Roof Replacement as Part of MSBA Accelerated Repair Program

Resiliency Preparatory School - Fall River, MA

Roof Replacement as Part of MSBA Accelerated Repair Program

Senior Center Study - Hampden, MA

Feasibility Study for Expansion of Existing Senior Center

Senior Center - South Hadley, MA

Feasibility Study and New 16,500 SF Senior Center

Senior Center - Hadley, MA

New 10,350 SF Senior Center

RiverMills Center - Chicopee, MA

New 21,000 SF Senior Center

Senior Center Study - Meriden, CT

Programming, Site Evaluation, and Design for New Senior Center

Senior Center Study - Deerfield, MA

Programming, Site Evaluation, and Design for New Senior Center

Middlewoods Senior Assisted Living - Newington, CT

Addition/Renovations to Senior Assisted Living Facility

Geer Nursing and Rehabilitation Center - Canaan, CT

Master Plan with Detailed Programming and Cost Estimates for Senior Independent Living Village

Town Offices & Community Center - Granby, MA

Study, Programming and Design to Re-purpose Former Elementary School into Municipal Offices and Community Space

TIM A. WIDMAN, AIA, MCPPO

ARCHITECT/PRINCIPAL

Tim is a talented designer and an effective project manager who manages projects at edmSTUDIO ranging in scope, market sector, and location. His natural problem-solving skills and attention to detail ensure projects exceed client expectations and maximize value.

EDUCATION

B. Architecture - Rensselaer Polytechnic Institute

REGISTRATIONS

Massachusetts #951856

Massachusetts Certified Public Purchasing Official

MEMBERSHIPS

American Institute of Architects (AIA)

SELECT EXPERIENCE

Amherst College - Amherst, MA

Frost Library/Cafe Renovations

Berkshire School - Sheffield, MA

Benson Music Suite Renovations

Choate Rosemary Hall - Wallingford, CT

Classroom Renovations, Portico Replacements/Restorations

Architectural On-Call - Springfield, MA

Roof Replacement

DCAMM Lancaster Campus Master Plan - Lancaster, MA

Developed campus master plan for existing 80 acre property

DCAMM - Northborough MA

Net Zero/Passive House facilities building

DCAMM Architectural On-Call - Varioius Locations

MassBay Community College

DCAMM Middlesex County Jail and House of Corrections - Billerica, MA

Study of the existing uses, conditions and capacities of the buildings at the jail and house correction site and proposed master and project phasing plan

Hampshire College - Amherst, MA

Office Renovations, Academic Building Renovations

Miraval Resort & Spa - Lenox, MA

Assessment, design, and renovation of various facilities

The Pingry School - Basking Ridge & Short Hills, NJ

Upper and Lower School Facilities Modernization

Smith College - Northampton, MA

Window Replacements, Office Renovations

Municipal Projects - Adams, MA

Memorial Middle School, 65 Park Facade Restoration, Topia Theater

Municipal Projects - Lenox, MA

Fire Department Roof Replacement, Police station door replacement, Children's Center window replacement

Library Renovation - Monterey, MA

Study, renovation, and ADA compliance for public library

UMass Amherst Middlesex Renovations - Amherst, MA

HVAC design for renovations

UMass Morrill Science Center - Amherst, MA

HVAC/ventilation modifications

UMass LGRC - Amherst, MA

Fire Alarm System Upgrade

University of Connecticut On-Call - Storrs, CT

Building renovation and campus accessibility projects

Williams College - Williamstown, MA

Dormitory Renovations, Academic Building Renovations, Office Renovations, Roof Replacements, Code Evaluations, Building Systems Upgrades, Accessibility Renovations

Williams College Bernhard Music Center - Williamstown, MA

New Sprinkler System, New Ceilings, Lighting, Fire Alarm System & Accessibility Modifications

Williams College Hopkins Hall - Williamstown, MA

Strategic Renovations in Main Administrative Building included New Layouts, New Finishes, Code Compliance & HVAC

Williams College Miller House - Williamstown, MA

Relocation and Renovation of Interior Space, Code Upgrades & Accessibility Improvements

Williams College Danforth Block - Williamstown, MA

Roof Replacement

Williams College Mears West - Williamstown, MA

Renovation and Addition included New Elevator, Code Compliance, New Mechanical/Electrical Systems, Finishes & Furniture

Williams College Bascom House - Williamstown, MA

Temporary Relocation of Math Department

Municipal Projects - Sheffield, MA

Garage study, Park Restrooms, Library Access, Police Department Roof, and Police Department Access

Town Office Improvements - Williamsburg, MA

Town office improvements

Code/Use Study - Palmer, MA

Former School Code/Use Study

Berkshire Gas Headquarters - Pittsfield, MA

Renovation of lobby, office spaces, conference rooms and bathroom

Town Offices & Community Center - Granby, MA

Study, Programming and Design to Re-purpose Former Elementary School into Municipal Offices and Community Space

Emily Dickinson Museum - Amherst, MA

Reconstruction of the long-demolished 19th century Evergreens Carriage House to serve as temporary Welcome Center, and program and educational space for the future

Appendix C

Curriculum Vitae
Gregory C. Tocci, *Sr. Principal Consultant*
Cavanaugh Tocci
Sudbury, Massachusetts

Gregory C. Tocci

SENIOR PRINCIPAL CONSULTANT

As co-founder with William J. Cavanaugh, Greg Tocci served as President of CAVANAUGH TOCCI ASSOCIATES, INC., through January 2014. He continues to be responsible for the technical and business activities of the many projects for which he serves as Principal-in-Charge. Among types of projects managed by Greg are speech privacy and intelligibility studies; mechanical system noise and vibration control studies; environmental noise impact assessments for residential, commercial, and industrial developments; engineering noise abatement programs; and many types of special noise and vibration studies for building and manufacturing industries.

EDUCATION

Tufts University, Bachelors of Science, 1970
Massachusetts Institute of Technology, Masters of Science, 1973

REGISTRATION

Registered Professional Engineer in Massachusetts (PE 28998) and Rhode Island (PE 6478)

EXPERIENCE

- FEDERAL EXPRESS GROUND, MOON TOWNSHIP, PA

  Directed a team at CTA evaluating the suitability of 100+ sites for FedEx Ground parcel handling facilities throughout the U.S. Work involved environmental sound monitoring, criteria development, computer modeling of sound propagation, sound barrier design, site orientation to control sound, and presentation to town boards.

- IMRIS INC., MINNETONKA, MN

  Designed elastomeric vibration isolation systems for IMRIS track mounted MRIs in image-guided surgical therapy suites located in sensitive building areas. Services included assistance to laboratories testing elastomeric isolator stiffness for compliance with the design specification.

- BRIGHAM & WOMEN'S HOSPITAL, NICU EXPANSION, BOSTON, MA

  Recommended MEP sound and vibration controls, and partition sound isolation designs for expansion of an existing NICU to remain in operation during construction. Provided assistance in controlling construction sound and vibration impacts on mothers and infants, and supervised the design and installation of a sound monitoring system to provide real-time alerts to key personnel in the construction project.

- HIGH LINER FOODS, PORTSMOUTH, NH

  Conducted monitoring and analysis of environmental sound produced by a variety of equipment and systems for compliance with sound level limits in Portsmouth, NH and in Danvers and Peabody, MA. Equipment included cooling towers and air pollution remediation equipment.

- RESIDENCE INN, ORANGEBURG, NY

  Supervised sound monitoring and provided building envelope sound isolation recommendations for a hotel under construction and situated approximate 60 feet from a frequently used freight rail line. Recommendations included window, HVAC system, and roof eave sound isolation improvements.

PROFESSONAL AFFILIATIONS

Past President (1986-1988) and Past Board Member, National Council of Acoustical Consultants
Fellow (1988), Acoustical Society of America
Fellow (2010), Board Certified Member (1982), Institute for Noise Control Engineering
Past President (2000), and Past VP Board Certification, Institute for Noise Control Engineering
Past Co-chair, ANSI S12 Working Group 44 for Speech Privacy
Member, ANSI S12 Working Group 18 for S12.2 Room Criteria

ADJUNCT FACULTY POSITIONS

New England School of Art and Design, Architectural Acoustics | 1979 – 1989
Harvard School of Public Health, Industrial Noise Control | 1988 – 1992
Cornell University, College of Architecture, Arch 361 Architectural Acoustics | Fall 2003

PUBLICATIONS

Carballeira, Andrew; Tocci, Gregory C., *et al*, "A collaborative approach to low-frequency noise mitigation," Noise-Con Proceedings, June 10-12, 2024, New Orleans, LA

Tocci, Gregory C., "On the Need for Door Gasket Systems in Patient Rooms," Noise-Con 2014 Proceedings, Ft. Lauderdale, FL, September 2014.

Reid, R.L., "Building Rises over Boston's 'Big Dig' Subway Tunnels," Civil Engineering News, May 2014

Sykes, D., Tocci, G.C., Cavanaugh, W.J., co-editors, Sound and Vibration 2.0-Design Guidelines for Health Care Facilities, Springer, Medford, MA, 2012.

Tocci, Gregory C.; Chapter 3 Building Noise Control Applications, Architectural Acoustics—principals and practice; Edited by Cavanaugh, Wilkes, Tocci; John Wiley and Sons, 2010.

Tocci, Gregory C.: Chapter 106 Ratings and Descriptors for the Built Environment, and Chapter 113 Noise Control in U.S. Building Codes, Handbook of Noise and Vibration Control, Edited by Malcolm J. Crocker, John Wiley and Sons, 2007.

Sykes, David M.; Tocci, Gregory C.; "Speech Privacy: Momentum Grows in Heathcare", Acoustics Today, October 2008, pp. 30-33.

Tocci, Lyon, Moore, and Unger, "500 Atlantic Avenue-A Structural Vibration Isolation Case History", Proceedings of NOISE-CON 2004, Baltimore, MD, July 2004.

Tocci, Gregory C.; "Performance of Interior Acoustical Sash", Proceedings of INTERNOISE 2002, Dearborn, MI, August 2002.

Cavanaugh, William J.; Tocci, Gregory C.; "Criteria for community acceptance of outdoor concert sound...a progress report on continuing research", Proceedings of INTERNOISE 2002, Dearborn, MI, August 2002.

Tocci, Gregory C., "Room Criteria-State of the Art in the Year 2000," Noise/News International, Vol. 8, No. 3, September 2000, pp. 106-119.

Cavanaugh, William J.; Tocci, Gregory C.; "Environmental Noise - the invisible pollutant," Environmental Excellence in South Carolina, Vol. 1, No. 1, Fall 1998.

Chapter 3 Building Noise Control Applications by Gregory C. Tocci, Architectural Acoustics - Principals and Practice, edited by Cavanaugh and Wilkes, John Wiley & Sons, Inc., New York, NY, 1998.

Chapter 94 Ratings and Descriptors for the Building Environment, Vol. III, pp. 1161-1180 and Chapter 97 Noise Control in U.S. Building Codes, Vol. III, pp. 1205-1218, Encyclopedia of Acoustics, edited by Malcolm Crocker, John Wiley and Sons, Inc., NY, NY, 1997.

Tocci, Gregory C.; "Comparison of NC, NCB, and RC Methods for Evaluating Room Sound Level Spectra," Noise-Con 96, Seattle, WA, September 29, 1996.

Tocci, Gregory C.; "A Comparison of STC and EWR for Rating Glazing Noise Reduction," Gregory C. Tocci, Sound and Vibration, Volume 21, Number 10, October 1987.

Tocci, Gregory C.; "Acoustical Performance of Windows," Progressive Architecture, August 1991.

Foulkes, Timothy J., and Tocci, Gregory C.; "Sound Isolation in Floors," Progressive Architecture, March 1991.

Monsanto Acoustical Glazing Design Guide, Monsanto Polymer and Chemical Co., St. Louis, MO, 1986.

Tocci, Gregory C., Foulkes, Timothy J., and Wright, Randolph E.; "Glazing Sound Transmission Loss Studies," Paper O7, 111th Meeting of the Acoustical Society of America, Cleveland, OH, May 14, 1986.

Tocci, Gregory C., Sturz, Douglas H.; "Acoustic Performance of a 'Re-entrant' Axial Fan Intake Silencer," Noise-Con '83 Proceedings, Cambridge, MA.

Tocci, Gregory C., Marcus, Edward N.; "A Parametric Evaluation of Wind Turbine Noise," INTERNOISE 82 Proceedings, San Francisco, CA.

Tocci, Gregory C., Pickett, William H.; "Practical Applications of Outdoor Noise Control Barriers," Sound and Vibration, Volume 13, Number 6, June 1978 (Selected for the Vibraphonic Award for Best Paper published in Sound and Vibration in 1978 by the Delaware Chapter of the Acoustical Society of America.)

Fredberg, Jeffrey and Tocci, Gregory C.; "Paper Cutting Noise: Source Identification Techniques in Newspaper Folding Machines, INTERNOISE '74 Proceedings, Washington, D. C.

Tocci, Gregory C., Fredberg, Jeffrey; and Senapati, Nagabhusan; "Measurement and analysis of noise radiation from a slab on steel beam rapid transit structure," INTERNOISE '74 Proceedings, Washington, D. C.

Roylance, David; Wilde, Anthony; and Tocci, Gregory C.; "Ballistic Impact of Textile Structures," Textile Research Journal, volume 42, Number 1, January 1973.

TESTIMONY

Massachusetts Superior Court, Dukes County, Lynn Allegaert, Trustee, *et al*. v. Harborview Hotel Owner LLC and Town of Edgartown *et al*, Civil Action No. 1974CV00021.

Massachusetts Superior Court, Berkshire County, Shemshack LLC v. Catamount Development Corporation *et al*, Civil Action 14-338.

Hartford, CT Superior Court, Colleen Bielitz *et al* v. Wex-Tuck Realty, LLC *et al*, Order 080812, August 27, 2015.

Land Court, Suffolk Superior Court, Oscar T. Brookins & Kathryn J. Brookins v. Boston Zoning Commission *et al*, 2015.

NH Site Evaluation Committee, Antrim Wind Energy, LLC, Docket 2012-01, Application for RSA 162-H Certification, Attorney General of New Hampshire

NH Site Evaluation Committee, Groton Wind LLC, Docket 2010-01, Application for RSA 162-H Certification, Attorney General of New Hampshire

VT Act 250 Case 3W1049 – Environmental Board, Frog City Gravel, Plymouth, Vermont, Hawk Mountain Resort/Salt Ash Owners Association, Plymouth, VT

VT Act 250 Case 2W0813-3 (Revised) – Environmental Board, Bemis Quarry Expansion, Vernon, Vermont, Cersosimo Industries, Inc., Brattleboro, VT

VT Act 250 Case 9A0107-2 - Environmental Board, Middlebury Quarry Extension, Middlebury, VT, OMYA, Inc., Middlebury, VT

Superior Court, Goldman v. Massachusetts Bay Transportation Authority, Low frequency noise impact of idling locomotives

Workmen's Compensation Court, Koutrobis v. Demakes Enterprises, Hearing loss compensation in food processing plant

Spaulding Rehabilitation Hospital v. Commonwealth of Massachusetts, CA/T construction noise impact on SRH

Neighbors v. Gilbane, Chiller noise at office building in Middleton, RI

HEALTH CARE PROJECTS

Among the most intricate of projects are large hospitals. Greg's experience serving as Principal-in-Charge for hospital acoustical design include:

- BRIGHAM & WOMEN'S HOSPITAL, NICU EXPANSION, BOSTON, MA

  Recommended MEP sound and vibration controls, and partition sound isolation for an expansion of an existing NICU to remain in operation during construction. Greg also provided means and methods for controlling construction sound and vibration impacts on mothers and infants, and developed a sound monitoring system providing alerts to key players when sound levels exceeded various thresholds.

- THE VALLEY HOSPITAL, FACILITY EXPANSION, RIDGEWOOD, NJ

  This was a general facility expansion design for a regional medical center in a single-family residential area. Greg developed recommendations for the control of MEP sound, speech privacy, control of outdoor building mechanical and process equipment sound, and for the control of mechanical equipment vibration transmission within the building.

- ANNA JAQUES HOSPITAL, ER EXPANSION, NEWBURYPORT, MA

  This is a small community hospital expansion adding cooling equipment, relocating the oxygen delivery site, and changing ambulance entry area to reduce sound transmitted to nearest residences. Work included sound monitoring, noise controls for outdoor and indoor equipment, and presentation of recommendations to the approving Town board.

- BRIGHAM & WOMEN'S HOSPITAL, SHAPIRO CARDIOVASCULAR CENTER, BOSTON, MA

  All aspects of acoustical design were required from permitting through construction administration of this large, comprehensive cardiovascular center of a major urban hospital. Work included the design of an elastomeric vibration isolation system for an IMRIS image guided surgical therapy suite located near other sensitive spaces.

REPRESENTATIVE PROJECT CATEGORIES

- HEALTH CARE
  Yale University MR/OR, New Haven, CT
  Brigham & Women's Hospital, NICU Expansion, Boston, MA
  The Valley Hospital, Facility Expansion, Ridgewood, NJ
  Anna Jaques Hospital, ER Expansion, Newburyport, MA
  Brigham & Women's Hospital, Shapiro Cardiovascular Center, Boston, MA
- CONSTRUCTION NOISE
  Olmstead Cistern Removal, Brookline, MA
  Woburn 38 Development, Woburn, MA
  South Station Expansion Impact on 245 Summer Street, Boston, MA
  South Shore Plaza Retail Store Nighttime Construction, Braintree, MA
- DORMITORIES
  Grand Marc Dormitory, Northeastern University, Boston, MA
  UMass Lowell Student Residence, Lowell, MA
  Student Housing I and II, Boston University, Boston, MA
- HOTELS
  170 Charles Street, Boston, MA
  Intercontinental Hotel and Residences, Boston, MA
  Seaport Hotel Refit, Boston, MA
  Residence Inn, Orangeburg, NY
  Cedar Rapids Lodge and Suites, Cedar Rapids, IA
- ASPHALT AND QUARRYING
  TMC Leasing, Littleton, MA
  Frog City Litigation, Plymouth, VT
  Paulini Loam, Framingham, MA
  Century Acquisition Concrete Plant, Sheffield, MA
  Newport Materials, Westford, MA
- INDUSTRIAL
  Chiller Replacement, Pratt & Whitney, East Hartford, CT
  New England Sheets, Devens, MA
  Evergreen Solar, Devens, MA
  Intel Corporation, Hudson, MA
  High Liner Foods, Portsmouth, NH and Danvers and Peabody, MA
- PARMACEUTICAL
  Idenix Pharmaceuticals, Cambridge, MA
  Longwood Center, Boston, MA
  100 College Street, New Haven, CT
  Charles River Laboratories, Shrewsbury, MA
  100 Binney Street, Cambridge, MA
  Sterling Chemistry Laboratory, Yale University, New Haven, CT

KUEGLER ASSOCIATES

consulting engineers

DESIGNED RIGHT = BUILT RIGHT

KUEGLER ASSOCIATES, LLC

Kuegler Associates, LLC is a diversely experienced company with offices in Connecticut and Massachusetts, offering professional engineering services to clients throughout the Northeast for over 30 years. At Kuegler Associates we are committed to providing the personal attention and responsiveness required to make your project a success. We have the expertise, experience, and facilities to take on projects of any scope or magnitude, and a professional commitment to completing them in a thorough yet timely manner.

Diversity of Experience

Kuegler Associates takes great pride in the diversity of experience we offer our clients. We have provided engineering services for projects ranging in scope from the construction of private residences to 140,000 square foot multi-phase government projects. We have a wide range of expertise, including fire protection, medical gas, plumbing, HVAC, electrical, and other disciplines. We have served a diverse client base including private individuals, corporations, non-profit organizations, local municipalities, federal agencies, school districts, housing authorities and health care providers. Every client and every project receive responsive, professional service regardless of size.

A Personal Commitment to Excellence

At Kuegler Associates, every member of our staff knows that they play an important role in our success and in the success of each project. Everyone, from engineers to CAD designers to office staff, has a personal investment in his or her work. The end result of this philosophy is work of consistently high quality delivered in an efficient manner. The principals of our firm are directly involved with most phases of every project and maintain close contact with each client from inception to completion.

In the following pages, you will find resumes of our principals, listings of services and facilities offered, and descriptions of our past projects and clients. If you require further information, please feel free to contact us at (860) 945-6955.

We look forward to contributing to the success of your upcoming project.

Regards,

Kurt W. Kuegler, P.E. Eric R. Kuegler, P.E.

KURT W. KUEGLER, P.E.

Professional Engineering Registrations

- Connecticut
- Rhode Island
- National Council of Examiner's for Engineers and Surveying (NCEES)

Other Certifications

- LEED AP

Education

- Rochester Institute of Technology, MSME 1990
- Rochester Institute of Technology, BSME 1989

Continuing Education

- Automatic Sprinkler Seminar (3 days) - NFPA
- National Electrical Code Seminar (4 days) - NFPA
- Forty Hour Value Engineering Work Shop (5 days)

Professional Memberships

- Connecticut Society of Professional Engineers
- National Society of Professional Engineers (NSPE)
- Connecticut Engineers in Private Practice (CEPP)
- American Society of Heating, Refrigeration, and Air-Conditioning Engineers (ASHRAE)

Summary of Experience

Over 30 years of experience of project design & engineering management for:

- HVAC
- Plumbing
- Fire Protection
- Industrial Ventilation
- Energy Management Systems
- Cost Estimating
- Involved in both new construction and renovation projects.
- Prepared reports for building evaluations and energy audits.

Other Activities

- Snowboarding, skiing and cycling.
- Active in local Rotary Club

ERIC R. KUEGLER, P.E.

Professional Engineering Registrations

- Connecticut
- Massachusetts
- National Council of Examiners for Engineers and Surveying (NCEES)

Other Certifications

- LEED AP
- Class 4 Massachusetts Industrial Waste Water Operator

Education

- Northeastern University, BSEE 1986

Continuing Education

- Magnetics Design course, University of Wisconsin, Madison (3days)
- Novell admin. and advance admin. course (7days)

Summary of Experience

Over 25 years of experience of project design & engineering management for:

- Electrical power including emergency power, generators and fuel cells.
- Interior & exterior lighting.
- Fire alarm systems.
- Telecommunication systems.
- Clean agent fire suppression systems
- Cost Estimating
- Involved in both new construction and renovation projects.
- Prepared reports for building evaluations and energy audits.

14 years experience in the design and development of power systems, control systems and communication systems for Military, Government and Commercial customers.

Other Activities

- Member of the Civil Air Patrol.
- Snowboarding and skiing.
- Active Adult Committee Member for a Local Scout Troop

DIVERSITY OF CLIENTS & PROJECT EXPERIENCE

Kuegler Associates provides engineering reports, evaluations, design services, contract drawings and specifications, engineering construction cost estimates and construction period services for various clients.

Diversity of Clients

The principals have been involved in providing engineering services for the following clients:

- New London Submarine Base
- Newport Navel Station
- US Coast Guard Academy
- US Coast Guard Locations in CT, RI and MA
- General Service Administration, New York
- General Service Administration, Boston
- V.A. Medical Centers
- US Postal Service
- Connecticut Department of Public Works
- Municipalities
- Public Utility Companies
- Wireless Cell Phone Companies
- Housing Authorities
- Library Associations
- Universities
- Boards of Education
- Private Schools
- Hospitals
- Convalescent and Nursing Homes
- Assisted Living Facilities
- Architects
- Banks
- Commercial, Office and Retail
- Industrial
- Residential
- Developers
- Contractors
- Owners

Project Experience

Since our founding, Kuegler Associates has been involved in over 1,200 projects with a majority of these projects involving renovating, upgrading, or replacement of various building systems.

ENGINEERING SERVICES PROVIDED

Mechanical

- Heating, Ventilation and Air Conditioning Systems
- HVAC Control Systems (Energy Management Systems)
- Industrial and Laboratory Ventilation and Makeup Air Systems
- Boiler Upgrades or Replacements
- Chiller Upgrades or Replacements
- Steam and Chilled Water Distribution Systems
- Industrial Compressed Air Systems
- Industrial and Medical Gas Systems
- Dust Collector Systems
- Paint Spray Booths
- Rifle and Pistol Ranges
- Kitchen Hood Exhaust Systems
- Fuel Oil Systems and Tank Replacements
- Natural Gas and Propane Systems

Plumbing

- Potable Water Systems including Hot Water Generators
- Sanitary Waste and Vent Systems
- Storm Water Drainage Systems
- Irrigation Systems

Fire Protection

- Sprinkler Systems, Wet pipe/ dry pipe
- Pre-action
- Fire Pumps (Electric, Diesel)
- FM 200 Clean Agent
- Flow testing
- Fire Detection Systems:
- Addressable and Non Addressable Fire Alarms
- Pre-Action, Agent Release
- Notification (ADA and Other Codes)

Electrical

- Building Electric Service Upgrades and Replacements
- Building Power Distribution Systems
- Primary and Secondary Sub Stations
- High Voltage Distribution Systems
- Electric Load, Fault Current and Coordination Studies
- Interior Lighting and General Power Systems
- Lighting Upgrade or Replacement including Lighting Control Systems
- Site Lighting including Photometric Analysis

Electrical Continued

- Fire Alarm, Call For Aid and Nurse Call Systems
- Emergency and Standby Generators
- Uninterruptible Power Supply (UPS) Systems
- Telephone and Data Communication Systems
- Phone and Network, Horizontal Cabling and Backbones
- Battery / Rectifier rooms and DC loading analysis
- Specialty grounding and bonding Systems
- Security, Video Surveillance and Access Control Systems

Miscellaneous

- Energy Conservation and Management Reports
- Elevator Upgrade or Replacements
- Building Surveys
- Building Additions and Renovations
- Lighting protection systems.

MARCELLO POZZI
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NEW YORK LICENSE 039341
ITALY LICENSE 2998 ORDINE VARESE

MARCELLO POZZI ARCHITECTS (Mllo Inc.) is an international award-winning practice led by Marcello Pozzi, AIA that spans ARCHITECTURE, INTERIOR and INDUSTRIAL DESIGN.

MARCELLO POZZI, AIA

Professional Biography

Marcello Pozzi has over 23 years of experience in designing projects at various scales of architecture, interior and product design. Born in Italy, he spent half his childhood on the football fields and the other half in the furniture factory of his father on the outskirt of Milan. He graduated from the Politecnico di Milano and he received the European architectural license in 2000. In the United States, he worked five years for the international hospitality design firm Hirsch Bedner & Associates, where he acquired extensive experience in planning and interior design of hotels and resorts.

He worked six years at Gensler as Lead Senior Designer for both architecture and interior and gathered further experience on **large-scale projects in hospitality, retail, sport facilities, and mixed use.**

In 2011 he founded his firm as **a studio for architecture, interior and industrial design; to produce projects at all scales**, with small and big budgets; **in continuous iteration between research and professional practice**. As Principal of MARCELLO POZZI ARCHITECTS (Mllo Inc.), he leads an award-winning practice internationally, and he is closely involved in each project with a collaborative design team.

Since founding the firm, Marcello completed several boutique hotels, office buildings, multifamily residential projects as well as private residences and also participated in architectural competitions. Alongside his assiduous work in architecture, Marcello continues his activity in the industrial design sector, working in collaboration with world-renowned companies.

In addition, he keeps painting in his studio to fix his thoughts on canvas.

Marcello Pozzi, AIA holds architecture license in California, New York and Italy/Europe.

Selected project experience	**sq ft / size**
9229-9255 Sunset Blvd Offices, West Hollywood, CA - “Nine Two Towers”	±180,000sf
Sentinel Building Hotel, San Francisco, CA - Historical Landmark	±13,000sf / 15 keys
Hotel Hugo, NYC	±50,000sf / 122 keys
Hotel Hendricks, NYC	±60,000sf / 140 keys
Hotel Henri, NYC	±50,000sf / 125 keys
Garden City Hotel, Garden City, NY	±160,000sf / 250 keys
Grayson Hotel, NYC	±150,000sf / 300 keys
8615 West Knoll Dr. Apartments, West Hollywood, CA	±20,000sf / 10 units
636 Juanita Ave. Apartments, Los Angeles, CA	±40,000sf / 33 units
1150 Avenue of the Americas Hotel	±200,000sf / 310 keys
90 Pheasant Close House, Southampton, NY	±12,000sf
1951 Beverly Glenn House, Los Angeles, CA	±4,000sf
2190 Beech Knoll Hillside House, Los Angeles, CA	±2,800sf
Mr. C Residences, Beverly Hills, CA	±20,000sf
Mr. C Hotel, Beverly Hills, CA	±120,000sf / 138 keys

Timothy D. Armstrong
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(508)-622-5980
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EDUCATION: 2007 B.S. Forestry/Biology Paul Smiths College, Paul Smith, NY

EXPERIENCE: 2014-Present: Consultant

This position involves support responsibilities in arboriculture with emphasis on GPS/GIS, conducting tree inventories, creating management plans, and performing tree risk assessments. Specific duties include creating unique data collection forms, utilizing high-accuracy GPS equipment, conducting tree inventories, tree preservation plans and tree risk assessments, utilizing Bartlett's ArborScope™ web-based management program, creating tree risk assessment and mitigation reports, and writing management plans.

2010-Present: Bartlett Tree Experts, Arborist Crew Leader

Supervises and manages tree care crew while performing all aspects of tree care services: including pruning, removal, and installation of structural support systems in a safe manner.

AFFILIATIONS: American Society of Consulting Arborists (ASCA)
ASCA Registered Consulting Arborist #790
International Society of Arboriculture (ISA)
International Society of Arboriculture New England Chapter
ISA Board Certified Master Arborist #NE-7132B
ISA Tree Risk Assessment Qualified
Massachusetts Certified Arborist #2454

BUSINESS: The F.A. Bartlett Tree Expert Co. is a commercial arboriculture firm involved with residential and commercial tree care. Founded in 1907, Bartlett now operates in approximately 25 states in the Eastern United States, Midwest and California with the corporate Headquarters in Stamford, CT. The R.A. Bartlett Research Laboratories is the technical support branch for the Bartlett Company located in Charlotte, North Carolina.