



**MICHAEL R. PLICKYS, P.E.**  
**PRINCIPAL IN CHARGE**  
**CHIEF STRUCTURAL ENGINEER**

**EDUCATION**

University of Rhode Island, BSCE, 1986  
Lehigh University, MSCE, 1988  
Chi Epsilon – Civil Engineering Honor Society  
Tau Beta Pi – National Engineering Honor Society

**PROFESSIONAL REGISTRATION**

Connecticut 1991

**PROFESSIONAL RECORD**

Michael Plickys has been with Macchi Engineers since 1989 as a Design Engineer and Project Manager of reinforced concrete, steel and timber structures for various structural applications. Mr. Plickys is the Principal in Charge and is responsible for overseeing and supervising all projects. Additionally, he has designed reinforced concrete bridge abutments for a single lane bridge using AASHTO and ACI standards, pile and caisson-supported foundations as well as reinforced concrete spread footings. Mr. Plickys develops 2D and 3D finite element models of slabs, trusses, and frames to determine design forces and stresses, and actively performs on site investigations, inspections and third party structural reviews.

Mr. Plickys is an Adjunct Professor for the following curriculum:

- Adjunct Professor of Civil Engineering, Department of Civil Engineering, Central Connecticut State University, New Britain, CT
- Adjunct Professor, Architectural Design Department, Capital Community College, Hartford, CT

**LIST OF PROJECTS**

**Flood Control Dams**, Torrington and Winchester, CT

In-depth engineering evaluation for repairs and miscellaneous maintenance items for five dams at the Federal Flood Control Areas. The five dams include: Stillwater Pond Dam, East Branch Dam, Hall Meadow Dam in Torrington and Mad River Dam, and Suck Brook Dam in Winchester.

**Higganum Dam**, Higganum, CT

Performed engineering services for the phase II study including inspection, recommendations for repair scenarios, preliminary construction cost estimates, and the redesign of the dam and spillway.

**Lake Forest Dam and Eel Passage**, Bridgeport, CT

Performed engineering services for the repair and re-design of an existing dam and spillway.

**Savin Lake Dam**, Lebanon, CT

The Savin Lake dam is approximately 800 feet in length and 20 feet in height. It consists of an earthen embankment with significant erosion and a dense growth of trees. The embankments provide 5.4 feet of freeboard protection above the concrete spillway. The 53 foot long primary spillway has the capability for approximately 288 square feet of flow. The concrete training walls on both sides of the spillway are exhibiting significant deterioration. There is an auxiliary spillway located behind the right embankment. We are providing the full services for the repairs of the dam including project management and subconsultant coordination.

**Rainbow Dam Fishway Feasibility Study**, Windsor, CT

Feasibility Study of the Rainbow Dam Fishway was completed in 2007 consisted of the development and assessment of 3 alternatives of various fishway designs that included the development of conceptual sketches, cost estimates and constructability issues.

**Rainbow Dam Fishway Fishlift**, Windsor, CT

Project Manager – for the design of the new fishlift with an elevated exit flume. This design was deemed the best option to move the highest number of fish and meet the requirements of the Farmington River Power Authority who owns the dam.

**ConnDOT, Bridge #00374**, East Hartford, CT

Replacement of superstructure, highway improvements and DEP permits for a 5-span curved girder bridge. Design for widening of existing bridge and coordinating drawings with ongoing rehabilitation work. Project Cost \$1,200,000

**Drake Hill Road Pedestrian Bridge** over the Farmington River, Simsbury, CT

Structural design of historic truss bridge, which included steel floor beams, wind bracing and new timber deck.

**Bridge No. 0867**, Rt. 17 over Roaring Brook, Glastonbury, CT  
Bridge replacement with type B IV prestressed box beams, new substructures, pile foundations, roadway improvements and hydraulics. Project Cost \$1.5 Million

**Hartford Riverfront Pedestrian Bridge and Access Ramp**, Hartford, CT

Structural design of pedestrian bridge constructed of 130 ft. steel plate girders with steel column piers and concrete slab. Work also included the underpinning of the existing Phoenix building and the design of unique cantilevered steel towers with cables as an architectural treatment.

**Norwichtown Commons Bridge**, Norwich, CT

Project Manager - Performed inspection and analysis of existing vehicular bridge that spans over the Yantic River. The bridge is a two span structure that is constructed of steel floor stringer beams and a concrete slab deck. The center span is supported by a series of battered pipe piles. Inspection services included visual inspection of steel support members, concrete slab deck, bearings, concrete abutments, expansion joints, pavement, rails and curbs, and sanitary line hangers. Conducted inspection of the center pile supports above and below the water line. Inspection below the water line included use of a diver and a team. Review included report of findings, recommendations and cost estimates for repairs and recommendations for maintenance schedule for the bridge.

**Rockledge Country Club**, West Hartford, CT

Inspection, evaluation and prioritization of bridge repairs for 7 bridges.

**South Maple Street Bridge** over the Scantic River, Enfield, CT

Inspection and completed structural design for bridge rehabilitation.

**Sunset Farms Road Bridge over the Trout Brook**, West Hartford, CT

Structural inspection and design of repairs and replacement of concrete parapet and wingwalls to existing bridge. Project Cost \$185,000.

**Town Road Bridge** over the Farmington River, Farmington, CT., Structural inspection and design of 90-year-old truss bridge, completed structural design of existing bridge rehabilitation.

**Ward Street Bridge**, Wallingford, CT

Provided the structural design services of a new structure for a twin box culvert crossing over Wharton Brook. Macchi Engineers provided the conceptual layout, utility relocation and construction inspection services. Topographic surveys, soil borings and hydraulic studies including permit applications for preliminary design drawings to the DEP.



**JOHN F. BROCHU, P.E.**  
**PRINCIPAL / SENIOR PROJECT MANAGER**

**EDUCATION**

University of Connecticut, BSCE, 1984

**PROFESSIONAL REGISTRATION**

Connecticut

**PROFESSIONAL AFFILIATIONS**

Association of State Dam Safety Officials

**PROFESSIONAL RECORD**

John Brochu has been with Macchi Engineers since 1985 and has more than 29 years experience in all phases of dam rehabilitation and repair. Mr. Brochu is assigned as project manager for all dam rehabilitation and repair projects and he has successfully completed numerous similar projects throughout Connecticut. His expertise includes inspection and analysis of existing dams and bridges, utility coordination, scour analysis, watershed analysis and structural design. Other aspects include storm drainage and sanitary systems, spillway analysis and design, site and road construction and bridge rehabilitation. His project assignments range from Design Engineer to Project Manager. Mr. Brochu has extensive experience in all phases of field inspection, construction administration and construction inspection. Similarly, he has experience in testing and project documentation, including the supervision of compaction testing, sub-grade inspection and reinforcement placement.

**LIST OF PROJECTS**

**Crescent Lake Dam, Enfield, CT**

Project Manager - Completed the Engineering Study, design phase and permitting phase and is currently performing the construction administration and inspection services for the construction of the repairs.

**Flood Control Dams, Torrington and Winchester, CT**

Project Manager - Performed an in-depth engineering evaluation for repairs and miscellaneous maintenance items for five dams at the Federal Flood Control Areas. Provided inspection and analysis, design of repairs and construction administration and inspection services. The five dams include: Stillwater Pond Dam, East Branch Dam, Hall Meadow Dam in Torrington and Mad River Dam, and Suck Brook Dam in Winchester.

**Higganum Dam, Higganum, CT**

Project Manager - Completed the Phase II Study including inspection, recommendations for repair scenarios, preliminary construction cost estimates, and the redesign of the dam and spillway. Also performed the full-time, on-site construction administration and inspection services.

**Lake Forest Dam, Bridgeport, CT**

Project Manager for the repair and re-design of an existing dam and spillway. Performed an alternate study to determine potential water shed diversions, detention ponds and various spillway configurations. Also performed the hydrologic and hydraulic analysis of the dam and watershed.

**Lake Garda Dam, Farmington, CT**

Project Manager - Performed hydrologic and hydraulic analysis of the dam and watershed including the downstream channel. Designed the spillway and downstream channel training walls, and developed an Operations Manual and Emergency Operation Plan. Provided construction administration and inspection services.

**Lake Mead Dam and Pedestrian Bridge, Greenwich, CT.,**  
Project Manager - Reconstruction of existing earthen dam

and masonry spillway located in a **Wildlife Sanctuary**. Included access roads and timber pedestrian bridge across spillway. Provided on-site construction inspection.

**Lake Phipps Dam, West Haven, CT**

Project Manager - Phase II study included hydrologic and hydraulic analysis of dam and watershed, inspection of 3 dams, and recommendations for repair alternatives. Project also includes the final design for the repairs of the 3 dams.

**Miranda's Pond, Stamford, CT**

Project Manager - The dam consists of a 130' long earthen embankment, a 13' wide overflow spillway, and a separate 4' wide weir structure and side channel. Performed a complete engineering study to document the current condition of the dam, design of repairs to bring the dam up to current DEP requirements, and construction administration during the repair process.

**Northfield Pond Dam, Litchfield CT**

Project Manager - Performed a complete inspection and Phase II study to document the current condition of the dam and determine possible repairs. Our study entailed a thorough field investigation that included the use of certified divers, a topographic survey, and a complete hydrologic and hydraulic analysis. The final design for the repairs included the construction of a new upstream wall to improve stability and reduce seepage as well as design of a new drawdown chamber, slope protection, and toe drain.

**Savin Lake Dam, Lebanon, CT**

Project Manager - Completed data collection and file research phase, inspection and assessment, preliminary design, hydraulic analysis and preliminary cost estimate of the dam. The Savin Lake dam is approximately 800 feet in length and 20 feet in height. It consists of an earthen embankment with significant erosion and a dense growth of trees. The embankments provide 5.4 feet of freeboard protection above the concrete spillway. The 53 foot long primary spillway has the capability for approximately 288 square feet of flow. The concrete training walls on both sides of the spillway are exhibiting significant deterioration. There is an auxiliary spillway located behind the right embankment. We are providing the full services for the repairs of the dam including project management and subconsultant coordination.

**Various Dams, Griswold and Voluntown, CT**

Project Manager - Performed an in-depth engineering evaluation for repairs and miscellaneous maintenance items for five dams. Also provided design and prepared plans and specifications for repairs. The five dams include: Ashland Pond Dam, Pachaug Pond Dam, Glasgo Pond Dam in Griswold and Beachdale Pond Dam and Phillips Pond Dam in Voluntown.

**West Rock Ridge - Lake Wintergreen, Hamden, CT**

Phase II study and design of an earthen embankment dam with concrete spillway and channel and drawdown structures. Project included development of wetland areas, pathways, two pedestrian bridges, and fish habitats. Provided on-site construction administration and inspection services. **Stringent construction practices were observed due to the presence of endangered animal and plant species**, as well as the project being located in a **wildlife sanctuary**.

**Winding Trails, Farmington, CT**

Project Manager for repairs to dam and spillway, design of new pedestrian bridge to link the island in Walton Pond to the walking trails, restoration of ponds, stream channel improvements, sediment survey, permitting and construction administration and inspection and overall project management oversight during construction.



**DOUGLAS T. CAMP, P.E.**  
**PRINCIPAL / SENIOR PROJECT ENGINEER**

**EDUCATION**

University of Maine, BSCE, 1993

**PROFESSIONAL REGISTRATION**

Connecticut, 1998

**MEMBERSHIPS**

Chi Epsilon – Civil Engineering Honor Society  
Tau Beta Pi – National Engineering Honor Society  
Pi Mu Epsilon – National Mathematics Honor Society

**PROFESSIONAL RECORD**

Doug Camp has been with Macchi Engineers since 1994. He has more than 20 years of diversified engineering experience in all phases of planning, design and construction inspection for a diversified range of building projects. His expertise includes investigation and analysis. Reporting, recommendations and cost estimates for repairs. He has extensive experience as a Chief Construction Inspector and actively performs construction administration, full-time, on-site construction inspection and special inspection services ranging from major new construction projects to rehabilitation and renovation projects. Similarly, he is proficient in the construction aspects of various building types, site development, site utility infrastructure, construction, and bridge and roadway work. Mr. Camp is extremely knowledgeable in the monitoring of the construction work process to continuously review the sequencing of construction and insure construction safety. He also is experienced in the structural analysis and design of numerous concrete and steel structures throughout Connecticut. Additionally, he has experience in the design of miscellaneous foundations, tanks and pits, and completing structural investigations. Mr. Camp is certified by ACI as a Concrete Field Testing Technician Grade I, and he is extremely proficient in the use of AutoCAD.

**LIST OF PROJECTS**

**Flood Control Dams**, Torrington and Winchester, CT Project Engineer - Performed an in-depth engineering evaluation for repairs and miscellaneous maintenance items for five dams at the Federal Flood Control Areas. Provided inspection and analysis, design of repairs and construction administration and inspection services. The five dams include: Stillwater Pond Dam, East Branch Dam, Hall Meadow Dam in Torrington and Mad River Dam, and Suck Brook Dam in Winchester.

**Higganum Dam**, Haddam, CT

Performed the hydraulic analysis of dam and the phase II study including inspection, recommendations for repair scenarios, preliminary construction cost estimates, and the redesign of the dam and spillway.

**Lake Forest Dam and Eel Passage**, Bridgeport, CT

Performed construction administration and inspection services for repair and re-design of an existing dam and spillway.

**Lake Garda Dam**, Farmington, CT

Performed hydraulic analysis of the dam and watershed including the downstream channel.

**Lake Phipps Dam**, West Haven, CT

Project includes the repairs of 3 dams. Performed the hydraulic analysis of the dams and the phase II study including inspection, recommendations for repair scenarios, preliminary construction cost estimates, and the redesign of the dam and spillway. Responsibilities included construction administration and inspection services.

**Lake Phipps Culvert Replacement**, West Haven, CT

Project included the replacement of a twin 15" diameter pipe culvert with a twin 10'X5' concrete box culvert.

**Savin Lake Dam**, Lebanon, CT

Project Engineer - Completed data collection and file research phase, inspection and assessment, preliminary design, hydraulic analysis and preliminary cost estimate of the dam. The Savin Lake dam is approximately 800 feet in length and 20 feet in height. It consists of an earthen embankment with significant erosion and a dense growth of trees. The embankments provide 5.4 feet of freeboard protection above the concrete spillway. The 53 foot long primary spillway has the capability for approximately 288 square feet of flow. The concrete training walls on both sides of the spillway are exhibiting significant deterioration. There is an auxiliary spillway located behind the right embankment. We are providing the full services for the repairs of the dam including project management and subconsultant coordination.

**Various Dams**, Griswold and Voluntown, CT

Project Engineer - Performed an in-depth engineering evaluation for repairs and miscellaneous maintenance items for five dams. Also provided design and prepared plans and specifications for repairs. The five dams include: Ashland Pond Dam, Pachaug Pond Dam, Glasgo Pond Dam in Griswold and Beachdale Pond Dam and Phillips Pond Dam in Voluntown.

**Hartford Riverfront Community Boathouse**, Hartford, CT

Project Engineer for the construction of a new two-story boathouse meeting facility. Performed the design, full-time, on-site construction inspection, and special inspection services. Provided coordination with the City of Hartford, State of Connecticut and Riverfront Recapture personnel.

**Fairfield JD Courthouse Repairs**, Bridgeport, CT

Senior Project Engineer for the inspection and design of repairs to exterior courthouse. Inspections required the use of swing scaffolding. All our findings were documented in a report with photographs of deteriorated conditions and recommendations for repairs. Project also includes design of repairs and construction administration services.

**Hartford Riverfront Pedestrian Bridge**, Hartford, CT

Project Engineer for the structural design, full-time, on-site construction inspection and construction administration services for a new pedestrian bridge connecting the Phoenix Plaza to the riverfront and design of access ramp to the Constitution Plaza. The pedestrian bridge is constructed of 130 ft. steel plate girders with steel column piers and concrete slab. Work also included underpinning of the existing Phoenix building and the design of unique cantilevered steel towers with cables as an architectural treatment. Project also included coordination with the City of Hartford, State of Connecticut and Riverfront Recapture personnel.

**ConDOT Bridge #00374**, East Hartford, CT

Project Engineer for widening of existing bridge and coordinating drawings with on-going rehabilitation work. The widening project of the Route 2 bridge over the Hockanum River included the widening of the 443 L.F. of the eastbound bridge to the south. The project included installation of steel beams, a new 8" concrete retaining wall along the south embankments. The abutment and pier extensions are supported by steel piles and installation of scour protection for the substructure.

**ConnDOT Bridge No. 01110**, Route 72 Poland Brook Road,

Plymouth, CT Inspection and evaluation of existing bridge and design of bridge deck replacement and modifications to existing stone masonry abutments, roadway improvements, and hydraulics and scour analysis. Project Cost \$400,000



**HERBERT S. MAY, JR., P.E.**  
**CHIEF CIVIL ENGINEER**  
**PROJECT MANAGER**

**EDUCATION**

Central Connecticut State University, BSCET, 2001  
Hartford State Technical College, ASCET, 1990

**PROFESSIONAL RECORD**

Mr. May has more than 23 years of diversified engineering experience with comprehensive experience in performing hydraulic studies for dams, flood control projects, bridges, roadways and site development projects. He also has experience in project coordination with the DEEP regarding dam rehabilitation and storm water management projects, and is fully aquatinted with the design and review procedures on both the state and local levels. His project assignments range from Design Engineer to Project Manager. Mr. May has extensive experience in site work involving hydrology and hydraulics, storm drainage, sediment and erosion controls, utility coordination, grading, parking layout, scour analysis, and environmental permitting. Additionally he has expertise in site investigation and analysis, and construction administration and inspection services.

**LIST OF PROJECTS**

**Bunnell's Pond Dam, Bridgeport, CT**

Major reconstruction of an existing earthen dam. Our responsibilities included full-time, on-site construction administration and inspection services, design of fish ladder, and re-design of beach area.

**Farmington Woods, Farmington, CT**

Project Engineer for dredging of 5 ponds in Farmington and Avon included hydraulic analysis, erosion and sedimentation control, permitting, planning and zoning.

**Northfield Pond Dam, Litchfield CT**

Project comprised of a complete inspection and Phase II study to document the current condition of the dam and determine possible repairs. Our study entailed a thorough field investigation that included the use of certified divers, a topographic survey, and a complete hydrologic and hydraulic analysis, repair alternates, and preliminary cost estimates. The final design for the repairs included the construction of a new upstream wall to improve stability and reduce seepage as well as design of a new drawdown chamber, slope protection, and toe drain.

**Lake Garda Dam, Farmington, CT**

Reconstruction of Lake Garda Dam consisted of repairs to the earthen dam, spillway and outlet works structure. Performed hydrologic and hydraulic analysis of the dam and watershed including the downstream channel. Completed design of new channel retaining walls and spillway, and development of an Emergency Operation Plan. Other features included a timber pedestrian bridge across the spillway and improvements beach and parking area.

**Lake Mead Dam and Pedestrian Bridge, Greenwich, CT**  
Project Engineer for reconstruction of existing earthen dam and masonry spillway. Includes access roads and timber pedestrian bridge across spillway. Stringent construction practices were observed due to the presence of endangered animal and plant species, as well as the project being located in a *Wildlife Sanctuary*.

**Lee's Pond Dam, Danbury, CT**

Project Engineer - performed a field inspection and documented the findings in a report.

**Spring Lake Dam, Southington, CT**

Spring Lake is a small privately owned lake in Southington. The dam consists of a 150' long earthen embankment with a 30' wide concrete straight drop spillway. Project consisted of an engineering study which included a review of a previous hydraulic study, a complete inspection and recommendations for repairs. In addition, Macchi Engineers designed the chosen repair option and performed construction administration during the repair process.

**Upper Lake Phipps Dam, West Haven, CT**

Performed hydrologic and hydraulic analysis for the dam and watershed. Also completed an inspection of 3 dams associated with the lake and developed alternatives for the repairs. Project included dam breach analysis and inundation mapping using HEC-18.

**Widening of Route 220, Asnuntuck Community Technical College, Enfield, CT**

Roadway widening of Main Campus drive to provide 5 lanes of traffic, including turning lanes, which required modification of side street intersections and driveways, new signalization and reconfiguration of parking area.

**Hall's Hill Road Reconstruction, Colchester, CT**

Civil design for complete horizontal and vertical realignment of existing roadway. Project includes intersection improvements, reconstruction of existing storm drainage, sidewalks and temporary construction easements.

**Quinebaug River Bridge and Access Road**

Putnam, CT., The project is comprised of development of a new access road and design of a new crossing of the Quinebaug River. Responsible for the development of the horizontal and vertical geometry of the access road.

**Sunset Farms Road Bridge over the Trout Brook, West Hartford, CT**

Engineering services for design of repairs and replacement of concrete parapet and wingwalls to existing bridge. Project Cost \$160,000.

**North Stratfield Elementary School, Fairfield, CT**

Site work for new addition to school included roads, parking and bus drop off areas, sidewalks, utilities and ADA code compliance.

**ESPN-Cafeteria, Bristol, CT**

Complete design of new access drives, parking areas, walks, utilities, and related site construction. Project required planning and zoning, wetland as well as Corps of Engineers Approvals.

**ESPN-Building 'A', Bristol, CT**

Complete design of new access drives, parking areas, walks, utilities, and related site construction. Project required planning and zoning, wetland as well as Corps of Engineers Approvals.

**Perimeter Road, ECSU, Willimantic, CT**

Civil design of ½ mile roadway including two at-grade 300+ car parking lots. Responsibilities included the design of new sidewalks, utilities, storm drainage, landscaping and site lighting. Also responsible for the construction administration phase of the project.

**Ashlar Village-Assisted Living, Wallingford, CT**

Design of new access drives, parking areas, walks, utilities and site construction. Also included wetland mitigation, STC approval, and Town Planning and Zoning approvals.

**Connecticut Local Bridge Program**

ConnDOT List 13, Rehabilitation of bridge no. 01110, Plymouth CT.



## **JOHNATHAN A. HURLBURT** **STRUCTURAL ENGINEER**

### **EDUCATION**

Central Connecticut State University, BSCE, 2011

### **PROFESSIONAL REGISTRATIONS**

License: E.I.T.

### **MEMBERSHIPS**

Structural Engineers Coalition – SEC, Young Members Group  
American Institute of Steel Construction, Inc. – AISC

### **PROFESSIONAL RECORD**

John Hurlburt has extensive experience in the structural analysis and design of reinforced concrete, steel and timber structures for a diversified range of projects. Mr. Hurlburt's project assignments range from structural engineer to project engineer including construction inspector. His experience includes the design of structural steel and timber framed buildings and miscellaneous special structures such as foundations and fish lifts. His expertise includes the use of 3D structural analysis software such as RAM Structural System, RAM Advanse, RISA-3D, and SDS 2 Connect. Mr. Hurlburt is also extremely proficient in the use of the latest AutoCAD software and Building Information Modeling (BIM) using Revit Software. In addition to his structural design capabilities, Mr. Hurlburt has extensive experience performing construction administration, and construction inspection and special inspection services encompassing educational, industrial, and residential facilities, including the preparation of condition surveys and field reports.

### **LIST OF PROJECTS**

#### **Glastonbury Riverfront Boathouse, Glastonbury, CT**

Providing structural engineering services including special inspection services for the construction of a new 2-story, 10,000 SF boathouse.

#### **Glastonbury Riverfront Phase Two, Glastonbury, CT**

Providing structural engineering services including special inspection services for new retaining walls, foundations for lights for basketball court and miscellaneous site structures, and site lighting.

#### **Rainbow Dam Fishlift, Windsor Locks, CT(2014)**

Performed the structural engineering services for the design of a new fish lift and viewing area. Provided a BIM Model for the schematic design phase using Revit software. Est. Cost \$4.5 Million

#### **American School for the Deaf, West Hartford, CT**

Provided construction administration services for a new 55,000 SF, 2 story steel-framed building on a spread footing foundation. Project included Building Information Modeling (BIM) using Revit Software. Total Cost \$30 Million.

#### **CCSU Roof Top Alarm Supports, New Britain, CT**

Provided inspection and analysis of roof top structures and review of proposed mounts and load information for the installation of two new roof top sirens on two existing buildings; James Maloney Hall and Mildred Barrows Hall.

#### **CCSU Powerhouse, New Britain, CT**

Provided analysis of existing roof structures to accommodate the removal and replacement of roof.

#### **Saint Francis Xavier School, Waterbury, CT**

Provided structural design services for renovations to an existing school.

#### **Hartford Bus Station, Hartford, CT**

Provided structural engineering services for the Union Station improvements project.

#### **Hartford Housing Retaining Wall, Hartford, CT**

Provided construction administration and special inspection services for the construction of a new retaining wall at Park and Orange Streets.

#### **LEGO Systems Inc., Enfield, CT**

Provided construction administration services for the renovation of an existing warehouse building converting it into office space. Project included the reinforcing of existing roof for mechanical equipment, installation of new stair and elevator in an existing mezzanine, and reconfiguration of existing wall framing to accept a new glass curtain wall system.

#### **Lyric Theatre, Hartford, CT**

Recently completed the inspection, evaluation and reporting of the existing 1920's theatre.

#### **Middlesex Community College Cafeteria Addition, Middlesex, CT**

Providing structural engineering services for new addition and renovations.

#### **NVCC Founders Hall, Waterbury, CT**

Providing structural engineering services for the renovate-as-new 97,000 GSF Founders Hall and Annex Building project. The project is to achieve a minimum LEED Silver certification and compliance with High Performance Building Standards. Est. Construction Cost \$26 Million.

#### **JT Slocumb Mill, Glastonbury, CT**

Provided structural design services for the restoration of 1836 historic masonry building walls. The walls are to remain as part of an overall plan to turn the existing property into a park.

#### **Trinity Magnet College Academy, Hartford, CT (2014)**

Structural design services for the construction of a new 70,000 SF addition and renovations. Project will be delivered with Building Information Modeling (BIM) using Revit Software. Total Cost \$30 Million.

#### **Trinity Music Rehearsal Hall-Theatre, Hartford, CT**

Structural design services for a new addition to the Austin Arts Center. Work includes development of Revit Model.

#### **UTC, Pratt & Whitney, Middletown, CT**

Provided structural engineering services for analysis of load capacity of levelators in building 220.

#### **UTC, Pratt & Whitney, D-1 Parking Lot, East Hartford, CT**

Provided construction administration and inspections services for the construction of new parking lot and access roads.

#### **West Middle School, Hartford, CT (2014)**

Renovate-As-New Elementary School - structural design, construction administration and special inspections for major renovations and additions of an existing elementary school totaling 108,000 SF the new addition is approx. 70,000 SF. Project will be delivered with Building Information Modeling (BIM) using Revit Software. Total Cost \$54.6 Million.