

Harvard Graduate School of Education (HGSE) - Gutman Library Boiler Room Renovations

Client: Harvard Graduate School of Education
Location: Cambridge, MA
Scope: Mechanical and Electrical consulting engineering services for replacement of boilers, circulating pumps, associated piping, water specialties (expansion tank, air separator), insulation, controls and appurtenances; gas piping to boilers, cold water makeup to boilers, domestic hot water heaters, associated piping, insulation, controls and appurtenances; and power for the mechanical renovation

East Boston High School - Library / Classrooms Renovation (Part of Boston Public Schools House Doctor Contract FY22-FY25)

Client: Machado Silvetti
Location: East Boston, MA
Scope: Mechanical, Electrical and Fire Protection consulting engineering services for renovation of the existing library for smaller library area and four new classrooms totaling approximately 5,000 square feet.

Beals Memorial Public Library

Client: Abacus Architects & Planners
Location: Winchendon, MA
Scope: Fire Protection and Electrical consulting engineering services for engineered drawings/specifications for a new wet type sprinkler system for the building except for unheated spaces of combustible construction where a dry system will be required and new electrical wiring throughout the library including code compliance upgrades and fire alarm.

Gleason Public Library Renovations

Client: Schwartz/Silver
Location: Carlisle, MA
Scope: Mechanical and Electrical consulting engineering services for renovating existing heating, ventilating and air conditioning systems of existing building totaling approximately 11,300 square feet of space.

Dedham High School Library Renovations

Client: Town of Dedham/Dedham Public Schools
Location: Dedham, MA
Scope: Mechanical and Electrical consulting engineering services for 10,000 square foot library renovations to include: HVAC diffusers/branch ductwork design, fire alarm, emergency lighting, tel/data pathway and associated electrical power design.

Harvard Graduate School of Education (HGSE) Gutman Library - 2nd Floor Renovations

Client: Baker Design Group
Location: Cambridge, MA
Scope: Mechanical and Electrical consulting engineering services for phased renovation of the 2nd floor totaling approximately 14,000 square feet and 1,500 square feet of the first floor to include: new heating, ventilating and air conditioning systems; sanitary drainage system for all plumbing fixtures; natural gas distribution to all gas utilization equipment; domestic cold water system; domestic hot water system; plumbing fixtures and equipment; replacement of existing vertical or horizontal piping on the second level; lighting; power; conduit and cabling for telephone, data, AV and security systems; and life safety systems; evaluation of the existing switchgear and new feeders to new distribution panels on the second floor.

Randall Public Library Rooftop Unit Replacement

Client: Town of Stow
Location: Stow, Massachusetts
Scope: Mechanical and Electrical consulting engineering services for rooftop unit replacement to include: heating, ventilating and air conditioning system renovations, new gas piping systems, and power to support the new mechanical equipment.
Construction Costs: \$100,000 Est.

**Lawrence Library Switchgear Replacement
Lawrence, MA (Part of Lawrence House Doctor Contract FY2018-FY2022)**

Client: SOCOTEC AE Consulting, LLC (formerly CBI Consulting, LLC)
Location: Lawrence, Massachusetts
Scope: Electrical consulting engineering services for new 2,000 amp, 277/480 volt 3-phase service equipment to replace the existing switchgear.

Collins Library - New Attic Ventilation System

Client: SOCOTEC AE Consulting, LLC (formerly CBI Consulting, LLC)
Location: Cambridge, Massachusetts
Scope: Mechanical and Electrical consulting engineering services for new attic ventilation system, including power for the new mechanical equipment.

Jones Public Library – Sustainability

Client: Finegold Alexander + Associates
Location: Amherst, Massachusetts
Scope: Mechanical and Electrical consulting engineering services for the investigation of on-site renewable source options, rebates, total power requirements including: solar roof capacity and geothermal wells feasibility.

Andover Memorial Hall Library – New Generators

Client: Town of Andover
Location: Andover, Massachusetts
Scope: Mechanical and Electrical consulting engineering services for demolition of existing system and layout of new diesel generator, life safety and standby automatic transfer switches and associated feeders, and design the size of a new 2-hour rated closet required for the new ATS's and panelboards, etc.

Avon Public Library – ADA Upgrades

Client: Scott/Griffin Architects, Ltd.
Location: Avon, Massachusetts
Scope: Mechanical, Electrical and Fire Protection consulting engineering services for ADA upgrades including renovations to existing bathroom and addition of a lift.

Watertown Public Library – Door Replacement and HVAC

Client: Gienapp Design Associates, LLC
Location: Watertown, Massachusetts

Scope: Mechanical and Electrical consulting engineering services for a site investigation of the existing electrical service and HVAC system and provide a report with recommendations and a cost estimate for the HVAC and electrical work required for additional heating unit at the circulation desk.

Norwood Morrill Library – Chiller Replacement

Client: Town of Norwood
Location: Norwood, Massachusetts
Scope: Mechanical and Electrical consulting engineering services for the removal/replacement of the existing chiller, pumps, interconnecting piping, insulation and automatic temperature controls.

Wilmington Public Library Boiler Room

Client: Russo Barr Associates
Location: Wilmington, Massachusetts
Scope: Mechanical and Electrical consulting engineering services to include demolition of existing cast iron sectional boiler, associated piping, pumps, expansion tank and controls and replace with a new cast iron sectional boiler, pumps, piping, insulation, water specialties, controls; protected water system for cold water makeup piping; power to the new boiler and associated equipment.

Salem Library – HVAC Design

Client: City of Salem
Location: Salem, Massachusetts
Scope: Mechanical and Electrical consulting engineering services for the renovation and replacement of the HVAC system.

Winchester Public Library – HVAC System Replacement/Upgrade

Client: Town of Winchester
Location: Winchester, Massachusetts
Scope: Mechanical and Electrical consulting engineering services for demolition of existing hot water boiler, air cooled chiller, associated piping and controls; replace with a new higher efficient gas-fired hot water system with new condensing type boilers, new air cooled chiller, associated piping, and controls; gas piping and not-potable makeup water to support the new boilers/chiller, and power to support the new mechanical equipment.

Morrill Memorial Library – Rooftop Replacement

Client: Town of Norwood
Location: Norwood, Massachusetts
Scope: Mechanical and Electrical consulting engineering services for the replacement of two (2) existing DX Cooling/ gas heating rooftop units.

Coolidge Corner Library – Handicap Lifts

Client: SOCOTEC AE Consulting, LLC (formerly CBI Consulting, LLC)
Location: Brookline, Massachusetts

Scope: Mechanical and Electrical consulting engineering services to include: survey of the existing systems including the electrical service, lighting, HVAC and fire alarm impacts for the new handicap wheelchair lift; schematic design level set of mechanical and electrical systems required for the proposed lift, power to the lifts, removing and reinstalling a light fixture and conduit; removing and reinstalling existing exhaust fans; extending wiring to relocated fans; removing chimney caps and one louver, extending height of flues and ducts; revised fire alarm as needed; extend height of the plumbing vents.

Sturbridge Town Library – HVAC Study

Client: Town of Sturbridge
Location: Sturbridge, Massachusetts
Scope: Mechanical consulting engineering services for a comprehensive assessment of the existing HVAC system for the 8,000 square foot building. Provide a report outlining the existing conditions; system inadequacies; and recommendations for systems relative to life safety issues, current code requirements, efficiency, sequence of control equipment life expectancy for the proposed recommendations; and provide an opinion of cost for all recommendations.

Fitchburg Public Library

Client: City of Fitchburg
Location: Fitchburg, Massachusetts
Scope: Mechanical and Electrical Engineering services for the removal and replacement of existing fan coil units including power to the new mechanical equipment.

Stoughton Public Library

Client: Finegold, Alexander + Associates, Inc.
Location: Stoughton, Massachusetts
Scope: Mechanical, Electrical and Fire Protection consulting engineering services for a new public library building totaling approximately 39,000 square feet of space including 22,000 square feet of renovation and 17,000 square feet of new construction to include: new heating, ventilating and air conditioning systems; sanitary drainage system for all plumbing fixtures; natural gas distribution to all gas utilization equipment; domestic cold water system; domestic hot water system; roof/storm drainage; and plumbing fixtures and equipment; new wet pipe sprinkler system; lighting circuiting/switching/controls, site lighting power, power, conduit for tel/data, fire alarm including fire protective signaling and automatic fire detection systems, and life safety systems.
Construction Costs: \$10,000,000

Harvard Graduate School of Design Lower Library, Gund Building & 5th Floor Renovations

Client: Darlow Christ Architects
Location: Cambridge, Massachusetts
Scope: HVAC design including new heating, ventilating and air conditioning systems for the proposed renovation. Electrical design including lighting, fire alarm including fire protective signaling and automatic fire detection systems, power, and life safety system for the proposed renovation to the Library Lower Level including a Help Desk and Commons Area, approximately 1,800 square feet

Brandeis University – Farber Library MEPFP Systems Evaluation

Client: SOCOTEC AE Consulting, LLC (formerly CBI Consulting, LLC)
Location: Waltham, Massachusetts

Scope: Review of the HVAC, Plumbing, Fire Protection and Electrical systems in the 3-level library for the purpose of reporting the existing conditions, system inadequacies and code compliance to make recommendations for systems relative to life safety issues, equipment life expectancy and standard engineering practices.

Lynn Public Library Fire Alarm

Client: City of Lynn
Location: Lynn, Massachusetts
Scope: Provided a report/assessment of the existing system, providing the condition of the system, any code deficiencies, recommendations for the system, the projected useful life remaining and a budget estimate to repair/replace the system based on these recommendations. Along with this report, a cost estimate was provided to indicate opinion of cost to provide the new proposed fire alarm system.

Canton Public Library Computer Lab

Client: Richard Alvord Architects
Location: Canton, Massachusetts
Scope: Scope of work includes renovations to the existing building with new HVAC systems, modifications to the existing wet pipe sprinkler system, lighting, power, fire alarm, fire protective signaling, automatic fire detection systems and life safety system for the proposed addition.

Framingham Library

Client: Finegold Alexander + Associates, Inc.
Location: Framingham, Massachusetts
Scope: This 17,000 square foot project consisted of the schematic design and design development of a new library in Framingham, including mechanical, electrical, fire protection and plumbing consulting engineering design services.
Construction Costs: \$8,600,000

Cooling Tower Replacement at Boston Public Library – 700 Boylston Street

Client: Boston Public Facilities Department
Location: Boston, Massachusetts
Scope: Mechanical and Electrical systems design, construction administration and bidding services for cooling tower replacement at the library.
Construction Costs: \$1,000,000

Chiller Repair at Boston Public Library – 700 Boylston Street

Client: Boston Public Facilities Department
Location: Boston, Massachusetts
Scope: The repair of the two stage absorption chiller included removal of all absorber and condenser tubes, clean tube sheets, clean water boxes, replacement of plugged evaporator tubes, addition of refrigerant and filter to remove iron oxides and rust particles, repair of pumps, chemical treatment, refrigerant and bromide charges, leak test and vacuum test, recalibration of controls and a warranty of the repairs for a period of one year. Our services also included bidding, bid documents and construction administration.
Construction Costs: \$600,000

Libraries

Jamaica Plain Branch Library

Client:	Utile, Inc.
Location:	Jamaica Plain, Massachusetts
Scope:	Renovation to the existing space includes mechanical and electrical design, development bidding and construction administration.
Construction Costs:	\$10,000,000

Topsfield Town Library – Exterior Generator

Client:	Town of Topsfield
Location:	Topsfield, Massachusetts
Scope:	The designs for this project included a new exhaust stack design, new exterior weather-proof enclosed stand-by diesel generator, automatic transfer switch, appropriate feeders and connection service equipment, grounding, trenching and pad details, a remote annunciator panel in addition to all construction administration and bidding services for a new exterior generator.
Construction Costs:	\$47,000

Bacon Public Library

Client:	Town of Natick
Location:	Natick, Massachusetts
Scope:	Mechanical and Electrical systems design for demolition of existing electric boiler system and associated piping, pumps, expansion tanks and controls and the replacement with new higher efficient gas-fired system.
Construction Costs:	\$80,000

West Bridgewater Public Library

Client:	Town of West Bridgewater
Location:	West Bridgewater, Massachusetts
Scope:	Mechanical and Electrical systems design for Heat Pump replacement and HVAC upgrades. BLW Engineers also provided bidding and construction administration services.
Construction Costs:	\$35,000

Town of Norwood Morrill Memorial Library

Client:	Town of Norwood
Location:	Norwood, Massachusetts
Scope:	Mechanical and Electrical systems design for demolition of existing electric boiler system and associated piping, pumps, expansion tanks and controls and the replacement with new higher efficient gas-fired system. HVAC design included new boiler room replacements including ancillary equipment for the renovations. Plumbing design included new protected water systems for mechanical equipment; and gas piping systems for gas utilization equipment. Electrical design included new boiler room lighting and power. Environmental design included boiler room equipment/piping abatement.
Construction Costs:	\$180,811

Holyoke Public Library

Client:	Finegold Alexander + Associates, Inc.
Location:	Holyoke, Massachusetts

Libraries

Scope: Mechanical and Electrical systems design for a renovation/addition to a 25,000 square foot library. The HVAC design included new heating, ventilating and air conditioning systems for the proposed building renovation/addition. Plumbing design included sanitary drainage system; natural gas distribution system; domestic cold and hot water system; roof/storm drainage; and plumbing fixtures. Fire Protection design for a new wet pipe sprinkler system for heated areas and a dry system for unheated spaces of combustible construction. Electrical design included new lighting, power, conduit for tel/data, fire alarm, signaling and detection system, and life safety systems. Project included LEED Modeling and Documentation.

Construction Costs: \$17,300,000

Westwood Public Library

Client: Finegold Alexander + Associates, Inc.

Location: Westwood, Massachusetts

Scope: HVAC, Plumbing, Fire Protection and Electrical consulting services to a new public library totaling approximately 32,000 square feet of space, complete with design development and construction administration.

Construction Costs: \$9,200,000

Town of South Hadley Library

Client: Town of South Hadley

Location: South Hadley, Massachusetts

Scope: HVAC, Plumbing and Electrical consulting services for design development to replace an HVAC unit in an 8,800 square foot library and staff offices, basement and two public restrooms.

Construction Costs: \$98,800

Margaret Clapp Library

Client: Wellesley College

Location: Wellesley, Massachusetts

Scope: HVAC, Plumbing, Fire Protection and Electrical consulting services for design development for renovations to the 40,000 square feet of first floor stacks, general collections, lobby and reading areas.

Construction Costs: \$4,500,000