

MH Professional Engineering, PLLC



LIBRARY PROJECT EXPERIENCE

GARDINER LIBRARY

Gardiner, NY

- Provided Mechanical and Electrical engineering design services for the new 3,000 ft² library facility.
- The new building is approximately 1,900 ft², with a 1,000 ft² multipurpose community room.
- Special attention was paid to the children's reading area where specialty parachute lighting fixtures representing a nearby skydiving facility were installed.



MH Professional Engineering, PLLC



LIBRARY PROJECT EXPERIENCE

PETERSBURGH PUBLIC LIBRARY

Petersburgh, NY

- Increases in patronage to the Petersburgh Public Library resulted in a necessary upgrade and renovation to building systems in order to provide adequate facilities.
- The scope of the project involved the design of HVAC, electrical, and plumbing systems for the renovation of the existing basement and addition.



MH Professional Engineering, PLLC



LIBRARY PROJECT EXPERIENCE

ASSOCIATION FOR THE PROTECTION OF THE ADIRONDACKS

Niskayuna, NY

- This project included the rehabilitation of the 1930s home of Adirondack activist Paul Schaefer and a 4,000 ft² addition for the Adirondack Research Library, archives and AFPA offices.
- Old and new structures share common materials and a reception and exhibit space axially linked the iconic Adirondack Room of the Schaefer House with the Library and visually with the nature sanctuary beyond.
- An 8-well geothermal system heats and cools the facility.



LIBRARY PROJECT EXPERIENCE

LINCOLN LIBRARY

Rochester, NY

- Lead Mechanical, Electrical, Plumbing, and Fire Protection Engineers for the design of a 12,750 ft² public library renovation.
- Reconfigured HVAC ductwork to fit new layout. Provided additional zone level control capability in key spaces.
- Existing space was only partially sprinklered. Added sprinklers in the remainder of the building and reconfigured existing heads as needed for new floor plan.
- Designed new restroom fixtures within area of scope. Coordinated required slab cutting for under slab waste with existing conditions.
- Replaced the existing domestic water heater and added a hot water recirculation system.
- Reconfigured the majority of existing specialty light fixtures to match the new floor plan.
- Upgraded interior lighting controls.
- Designed power and data to new exterior monument sign.
- Designed exterior building and signage lighting.
- Replaced FACP head end. Maintained existing FACP for unrenovated spaces and incorporated into new addressable head end.
- Designed power and data for specialty equipment.
- Designed power and data in floor boxes throughout the space. Coordinated required slab cutting for under slab conduit.
- Designed access control conduit pathways.

