MH Professional Engineering, PLLC

REHABILITATION PROJECT EXPERIENCE

UNITED HEALTH SERVICES HOSPITALS, INC.
New York Southern Tier

Served as the Lead Mechanical Engineer for the redesign and expansion of patient services and support services for a multitude of projects.

- Neurological Associates, Binghamton, NY
- Article 28 Upgrades, Orthopedics Associates, Binghamton, NY
- Pre-Admissions Testing, Johnson City, NY
- Physical Therapy Associates, Vestal, NY
- Laboratory Services and Family Practice, Owego, NY
- Wilson Medical Center Dishroom Renovation, Johnson City, NY
- Perinatal Exam Suite and Laboratory Upgrades, Wilson Regional Medical Center, Johnson City, NY
- Article 28 Upgrades, Linear Accelerator at Wilson Square, Johnson City, NY
- Article 28 Upgrades for X-ray suite for Family Clinic, Deposit, NY
- Ortho Surgery Recovery, Memorial Building, Binghamton, NY
- Required HVAC upgrades for various Medical Center radiological equipment upgrades at Binghamton Hospital and Wilson Regional Medical Center
- Relocation of Professional Home Care Associates, Johnson City, NY

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REHABILITATION PROJECT EXPERIENCE

REHABILITATE 5TH FLOOR, TEN EYCK STATE OFFICE BUILDING
Albany, NY

- Lead Mechanical, Electrical, and Plumbing Engineers for the design of a 19,000 ft^2 office renovation.
- Provided full MEP design for central toilet room reconfiguration.
- Walkerduct power and data distribution system was totally redesigned to match proposed open office plan furniture concept.
- Due to existing electric room code compliance issues, new distribution panels were designed and located in areas where code compliance could be achieved.
- Designed additional smoke detection for new office spaces. Relocated notification and detection devices where required. Provided plotter, copier and fax data where required. Provided data to the proposed offices. Provided new cabling in the existing walkerduct system.
- Plumbing renovation included the addition of a breakroom sink and a hot water recirculation system.
- Designed new bathroom exhaust, main air handler conditioning and ventilating the space was existing to remain.
- Relocated additional sprinkler heads where required for new office space layout.

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REHABILITATION PROJECT EXPERIENCE

OUR LADY OF LOURDES HOSPITAL
Binghamton, NY

Served as Lead Mechanical Engineer for the redesign and expansion of patient services and support services for a multitude of projects.

- Primary Care Associates, Whitney Point, NY
- Women's Health Care Associates, Vestal, NY
- Youth Services and Mental Health Clinic, Binghamton, NY
- Primary Care Associates, Binghamton, NY
- Primary Care Associates, Hancock, NY

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REHABILITATION PROJECT EXPERIENCE

WARRENSBURG CENTRAL SCHOOL DISTRICT
Warrensburg, NY

- Provided building conditions survey for most recent SED Building Conditions reporting period.
- Provided design and construction services for the replacement/conversion of an aging pneumatic control system at Warrensburg Elementary School.

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REHABILITATION PROJECT EXPERIENCE

MORIAH CENTRAL SCHOOL DISTRICT
Port Henry, NY

- The project included a full electrical distribution system upgrade, addition of air conditioning to several areas within building, upgrade of the metal shop exhaust and ventilation system and upgrades to the electric and HVAC systems in the bus garage.

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REHABILITATION PROJECT EXPERIENCE

SCHUYLERVILLE CENTRAL SCHOOL DISTRICT
Schuylerville, NY

- Designed upgrade/rehabilitation of district's administration building.
- Designed upgrade of mechanical and plumbing systems for elementary classroom wing.
- Designed HVAC upgrades for classroom addition.
- Designed upgrade to heating system in middle school office area.
- Designed HVAC upgrades to high school gymnasium. Systems were original to the building (1965).
- Reviewed, diagnosed and resolved several issues within buildings that were lingering, unsolved construction problems: gas vent location, overheating kiln rooms.
- Provided engineering review, schematic design and estimating services for proposed high school kitchen upgrade.

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REHABILITATION PROJECT EXPERIENCE

MACCORMICK SECURE CENTER
Brooktondale, NY

- Designed a full sprinkler system for existing secure building.
- Project included fire pump system from an on-site pond.

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REHABILITATION PROJECT EXPERIENCE

NISKAYUNA FIRE STATION # 1
Niskayuna, NY

- Lead Mechanical, Electrical, and Plumbing Engineers for the expansion and renovation of the Niskayuna Fire Station #1.
- Project included 10,000 ft^2 apparatus bay addition with radiant floors, elevator, vehicle exhaust system, generator and sprinkler system.
- Existing portion of building was completely reconfigured into department offices, training room and bunk area.

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MH Professional Engineering, PLLC

REHABILITATION PROJECT EXPERIENCE

SCHUYLER MANSION
Menands, NY

- Gut rehabilitation of existing office space. Design included the complete replacement of the HVAC system, new lighting, and new electrical distribution.
- Designed systems to reflect and work with required phasing of the project.

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REHABILITATION PROJECT EXPERIENCE

RITE AID PHARMACY
Monroe, CT; Syracuse, NY; Lee, MA; Beacon, NY; Essex, CT

- MH Professional Engineering designed expansions and renovations to existing stores. In both locations, Rite Aid was expanding into an adjacent vacant retail space.
- Existing mechanical systems were replaced to meet Rite Aid criteria.
- Sprinkler systems were relocated to meet requirements of new floor plans.
- Lighting was completely replaced to create a cohesive appearance to the spaces, and electrical distribution systems were configured to match the needs of the Rite Aid.
- Existing retail spaces and adjacent vacant retail spaces were reviewed and evaluated for renovation and expansion purposes.
- All infrastructure was observed and evaluated for continued use, replacement and extensions.
- Water and sanitary systems were reviewed for toilet room relocations.
- Opinion of probable costs were created for the work for Rite Aid management.

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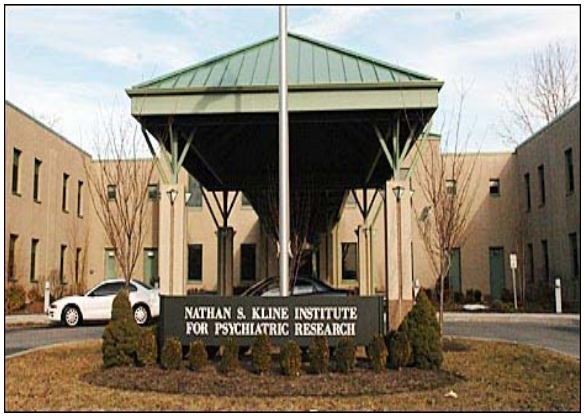
REHABILITATION PROJECT EXPERIENCE

NATHAN KLINE INSTITUTE FOR PSYCHIATRIC RESEARCH
Orangeburg, NY

- **Laboratory Upgrade, Bldg. #39**



The project consisted of a complete gut rehabilitation of 11,000 ft^2 of research laboratory spaces. Some of the upgraded systems include the ventilation system, the steam to hot water heating system, new chiller, laboratory compressed air and vacuum system, acid waste neutralization system, humidification system, fire protection system, electrical power distribution, emergency power distribution system, fire alarm system, laboratory fume hood controls, and building management system.

- **Cage Wash Enclosure**

The principal of the firm was involved with a cage wash enclosure that involved the construction of a 1,000 ft^2 building addition to accommodate the cage washing function for the animal housing area of the facility. Utility services, power, steam and condensate, domestic hot and cold water, non-potable water, sanitary and fire protection services were extended from the existing building for direct support of equipment. A coordinated, phased transition between existing facilities and the new facility was prepared to minimize impact on the care requirements of the animals. A new piece of cage washing equipment was added to the space requiring reconfiguring of existing equipment and utilities and extension of utilities to the new equipment.

- **Convert Room to Animal Housing**

The principal of the firm was involved with converting the existing mail room to a housing area for mice. The room was required to be separated from the general ventilation system and to meet the current guidelines for laboratory animal care. The National Research Council publication, "Guide for the Care and Use of Laboratory Animals," was strictly followed regarding air change rates, the allowable rate of temperature and humidity change, laminar air distribution, specialized plumbing fixtures, and animal watering system.

- **Replacement of HVAC Systems**

The principal of the firm was involved with replacing the existing HVAC systems for the housing area of various types of animals (mice to primates). These animals represented years of research regarding psychiatric disorders and medications. The rooftop HVAC units were required to be replaced without disruption of service to the facility. The replacement involved custom equipment, including specialized filtration and humidification that was required to be married into the facility's existing digital control system.

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REHABILITATION PROJECT EXPERIENCE

HOPE HOUSE
Albany, NY

- Lead Mechanical and Electrical Engineers.
- Complete gut rehabilitation of a 4-story, 18,000 ft^2 drug and alcohol rehabilitation long-term stay facility.
- A dormitory style arrangement of rooms increased the capacity to house clients and make staff supervision easier. The design incorporated space for production kitchen, group activities and classrooms.
- The renovations included complete new base building systems for the HVAC, electrical and plumbing. A residential sprinkler system was designed and incorporated into the new layout.

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REHABILITATION PROJECT EXPERIENCE

SIENA COLLEGE
Loudonville, NY

- Provided design services for upgrades to the heating system of the Hennepin Residence Hall.
- Project included modifications to the existing distribution system to improve zoning, including the addition of several distribution pumps.

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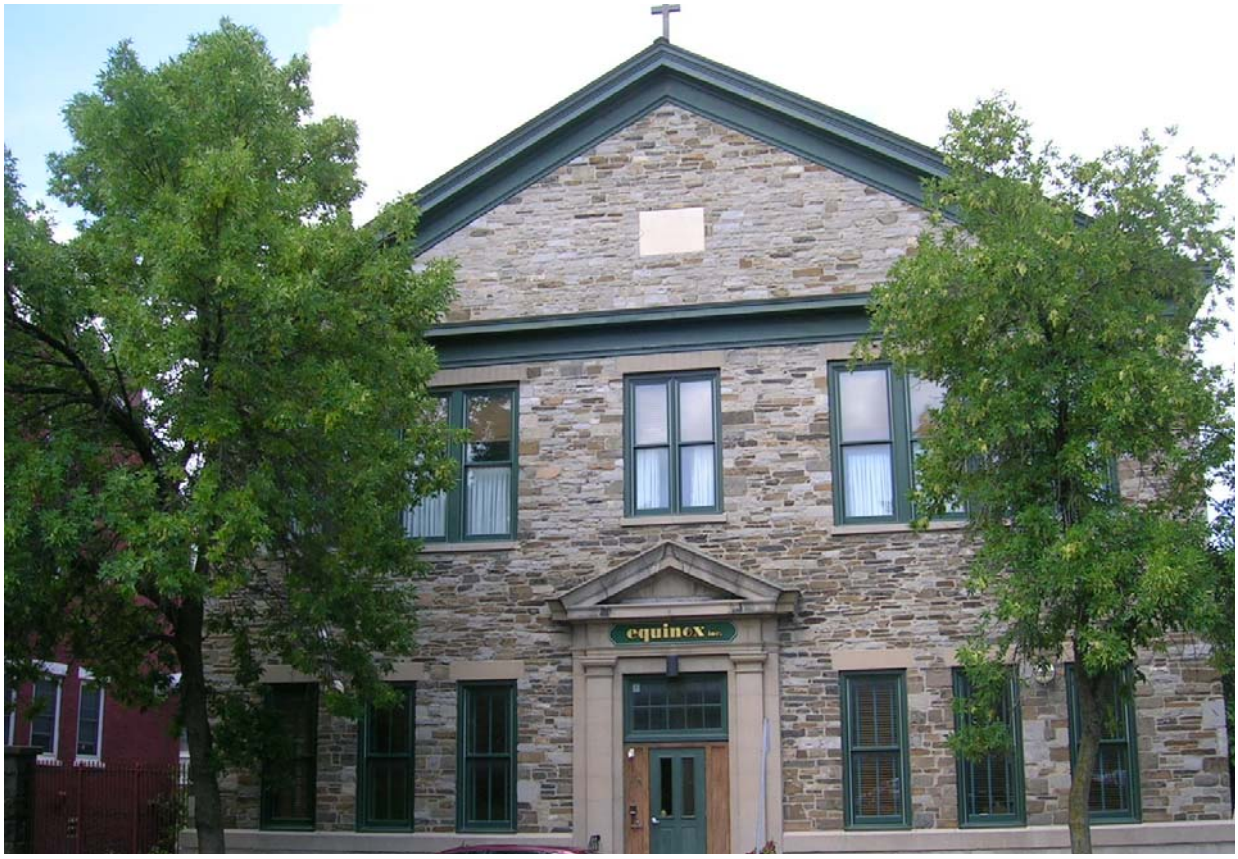
REHABILITATION PROJECT EXPERIENCE

EQUINOX YOUTH SHELTER
Albany, NY

- Lead Mechanical Engineer.
- This building was originally the parish school for St. John's Church and was built in the late 1800s. It was completely gutted and rehabilitated for this project.
- Equinox operates this youth shelter serving runaway, abused, and homeless youth and helping them find safety, shelter, food, and a professional, caring staff to help them through the crisis of homelessness.
- A suite arrangement of rooms increased the capacity to house boys and girls and made staff supervision easier. The design incorporated space for group activities and private areas for crisis intervention.



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REHABILITATION PROJECT EXPERIENCE

RENOVATIONS TO ST. ANTHONY'S CHURCH
Schenectady, NY

- Lead Mechanical and Electrical Engineers for the design of 10,000 ft^2 of existing church damaged by fire.
- The building consisted of sanctuary space, a congregation hall, and support spaces.
- Various renovations made to existing systems to replace what was damaged as well as to upgrade each system to be more energy-efficient, user-friendly, and meet current code requirements.
- Designed new heating and cooling systems, including ductwork layout.
- A new Lutron panel was provided to serve lighting in the sanctuary and provide a means of centralized dimming.
- Upgraded the electric service from single phase to three phase. New main distribution panel was provided and existing panels were refed from this new service. A fire alarm system was provided for the entire building.