

MH Professional Engineering, PLLC



TREATMENT CENTER PROJECT EXPERIENCE

HOPE HOUSE

Albany, NY

- Lead Mechanical and Electrical Engineers.
- Complete gut rehabilitation of a 4-story, 18,000 ft² 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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TREATMENT CENTER PROJECT EXPERIENCE

EQUINOX YOUTH SHELTER

Albany, NY

- Lead Mechanical Engineers.
- 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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TREATMENT CENTER PROJECT EXPERIENCE

FEASIBILITY STUDIES, NEW YORK STATE OFFICE OF ALCOHOL AND SUBSTANCE ABUSE SERVICES (OASAS)

- New Choices Recovery Center Feasibility Study, Schenectady, NY
- Hospitality House, 72-Bed Intensive Residential Facility Feasibility Study, 15-25 Warren Street, Albany, NY
- Addiction Care Center of Albany (ACCA) Feasibility Study, 504 Second Ave., Troy, NY
- Addiction Care Center of Albany (ACCA) Feasibility Study, 79 Glenwood Ave., Queensbury, NY
- Hope House, Women's and Children's Residential Facility Feasibility Study, 890 Madison Ave., Albany, NY
- Addiction Care Center of Albany (ACCA) Feasibility Study, 68 Quaker Road, Queensbury, NY
- Peoples Inc. Feasibility Study, 320 Pollys Rock Road, Cairo, NY
- Twin County Recovery Services, 16-Bed Community Residence Feasibility Study, 7186 Rt. 32, Cairo, NY
- Peoples Inc. 20-Bed Detoxification Residence Feasibility Study, Greenport, NY
- Hospitality House, 72-Bed Intensive Residential Facility Feasibility Study, 271 Central Ave., Albany, NY
- Twin County Recovery Services, 24-Bed Women's Treatment Residence, 428 West Main St., Catskill, NY
- Champlain Valley Family Center, Recreation Bldg. Feasibility Study, 516 Norrisville Road, Schuyler Falls, NY
- Transitional Services Association, 20-Bed Rehabilitation Program Feasibility Study, 994 Rt. 67, Ballston Spa, NY

Prepared the mechanical, electrical, plumbing, and fire protection portions of feasibility studies for various operating agencies of the New York State Office of Alcoholism and Substance Abuse Services (OASAS). Studies included new buildings for renovation of existing treatment facilities and for conversion into residential treatment facilities. Sites generally contained residence bedrooms, bathrooms, common spaces, kitchens, staff offices, and medical exam rooms.

As part of the studies, preliminary sizing of systems and preliminary cost estimates were provided. Several projects have recently secured funding and are now beginning design.



Hope House, 890 Madison Ave., Albany



Hospitality House, 271 Central Ave., Albany

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TREATMENT CENTER PROJECT EXPERIENCE

TWIN COUNTY RECOVERY SERVICES

Hudson, NY

- Lead Mechanical, Electrical, Plumbing, and Fire Protection Engineers for Twin County Recovery Services, Inc., a nonprofit corporation that provides services to alcohol and substance abusers to enhance their drug-free living skills.
- Provided design services for renovation of the structure as well as the consolidation of both clinical and office spaces.
- Existing building systems were completely gutted and new, energy-efficient lighting, heating, and air conditioning systems were installed.
- The existing fire sprinkler system was completely replaced to match the new building occupancy and space layouts.

RENOVATION OF “DAY HAB” AREA, 50 PINE STREET

Hudson Falls, NY

- Lead Mechanical, Electrical, and Plumbing Engineers.
- Approximately 50% of this existing +/- 8,000 ft² single-story day rehabilitation center was a gut rehab while the remaining 50% remained occupied.
- Renovated areas included offices, conference room, exercise room, therapy room, kitchen and large general use area.
- Designed new rooftop ventilation/air conditioning/heating system, kitchen hood exhaust and general exhaust.
- Modified the building's sanitary drainage and venting piping in renovated areas.
- Provided modifications to the building's potable water piping for renovated areas, including adding a recirculation system and modified natural gas piping to serve new loads.
- Provided modifications to electric power distribution for mechanical equipment, general receptacle power, and specialty equipment power feeds.
- Designed power, switching and wiring to indoor/outdoor lighting, associated controls, egress lighting, and exit signs for renovated areas.
- Provided fire alarm system modifications for additional horn strobe, pull station and initiating device with the appropriate interlocks to mechanical equipment and security system for building egress code compliance.
- Designed raceway/conduit to accommodate security, telephone and data wiring.

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TREATMENT CENTER PROJECT EXPERIENCE

LIFE SAFETY UPGRADES – HUDSON VALLEY AND TACONIC DEVELOPMENTAL DISABILITIES SERVICES OFFICES

Stony Point, Pomona, Suffern, Wappingers Falls, Stanfordville, Verbank, Wassaic, Millbrook, Hopewell Junction, Fishkill & Carmel, NY

- Provided fire safety upgrades to bring three adult care homes located in the lower Hudson Valley and Taconic region into compliance with Life Safety Code (NFPA 101) and criteria set forth by the NYS Office for People With Developmental Disabilities (OPWDD).
- The project included code research of NFPA 101 and OPWDD directives for applicable criteria, field work to establish required modifications at the homes and cost estimates for implementing the proposed changes.
- All the homes required fire sprinkler systems to be installed and fire alarm system replacements.