

# MH Professional Engineering, PLLC



## PLACES OF WORSHIP PROJECT EXPERIENCE

### **BLESSED HOPE WORSHIP CENTER**

Albany, NY

- Lead Mechanical, Electrical, and Plumbing Engineers.
- Completed design for the preservation and restoration of this nineteenth century church. The total square footage is approximately 22,000 ft<sup>2</sup>.
- The electrical and mechanical systems in the building were completely replaced to meet current code requirements.
- The internal unexcavated areas of the basement are being utilized as heat sinks for a geothermal cooling system.



# MH Professional Engineering, PLLC



## PLACES OF WORSHIP PROJECT EXPERIENCE

### **CHURCH OF LATTER DAY SAINTS**

Cambridge, MA

- Lead Mechanical, Plumbing, and Fire Protection Engineers. Designed 40,000 ft<sup>2</sup> chapel, recreation hall, offices and classrooms, including a two-level enclosed parking garage.

### **CHURCH OF LATTER DAY SAINTS**

Greenwich, NY

- Lead Electrical Engineers. Designed chapel addition, electrical service upgrade and upgrade to fire alarm system.

### **CHURCH OF LATTER DAY SAINTS**

Middlebury, VT

- Lead Mechanical, Electrical, and Plumbing Engineers. Designed chapel and cultural center addition and replaced mechanical equipment in existing building.



# MH Professional Engineering, PLLC

## PLACES OF WORSHIP PROJECT EXPERIENCE



### **SPIRITUAL LIFE CENTER**

Easton, NY

- Lead Mechanical, Electrical, and Plumbing Engineers for the design of the adult lodge and infirmary buildings. The 10,000 ft<sup>2</sup> buildings were constructed using a design-build approach.



# MH Professional Engineering, PLLC

## PLACES OF WORSHIP PROJECT EXPERIENCE



### HOPE CHAPEL

Sterling, MA

- Lead Electrical, Plumbing, and Fire Protection Engineers. Completed design for chapel assembly space, several classroom/nursery spaces and chapel staff office spaces totaling 16,000 ft<sup>2</sup>.



# MH Professional Engineering, PLLC



## PLACES OF WORSHIP PROJECT EXPERIENCE

### ST. VINCENT DE PAUL CHURCH RENOVATIONS

Albany, NY

- Lead HVAC, Electrical, and Plumbing Engineers.
- Plumbing design included a new bathroom and connections to a new baptismal font.
- A small sewage ejector was provided to service the new bathroom along with a dedicated instantaneous water heater.
- Provided new power distribution to the baptismal font bubbler and heater, new lighting Lutron dimming system, and relocated altar and choir area equipment.
- An air conditioning system was provided for sanctuary area using high efficiency, quiet console units.



## PLACES OF WORSHIP PROJECT EXPERIENCE

### RENOVATIONS TO ST. ANTHONY'S CHURCH

Schenectady, NY

- Lead Mechanical and Electrical Engineers for the design of 10,000 ft<sup>2</sup> 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 re-fed from this new service. A fire alarm system was provided for the entire building.

