

## RYAN SMITH, P.E.



### MECHANICAL ENGINEER

Ryan Smith is a Mechanical Engineer for MH Professional Engineering. His responsibilities include performing calculations, formulating design and layout of mechanical systems, creating engineering documents utilizing AutoCAD and Revit, editing and drafting project specifications; conducting site verifications and field surveys, and performing construction observations. Ryan possesses vast experience with the design of HVAC and plumbing systems for commercial, institutional and large-scale residential buildings from schematic design through occupancy. He has also assisted in NYSERDA and LEED analysis and documentation.

#### EDUCATION

Bachelor of Science  
Mechanical Engineering  
Rensselaer Polytechnic  
Institute

#### EXPERIENCE

Total: 8 years  
With MH: 4 years

#### NYS LICENSE NO.

101901

#### AFFILIATIONS

American Society of  
Heating, Refrigeration  
and Air Conditioning  
Engineers (ASHRAE)

#### PROJECT EXPERIENCE

##### **Upgrade Security, Southport Correctional Facility, Pine City, NY**

Provided a ductless split air conditioning unit to provide additional cooling for process loads.

##### **Curtain Wall and Façade Replacement, 44 Holland Avenue, Albany, NY**

Prepared program report for replacing the façade of an 8-story building with perimeter console fan coil units, and conducted an existing airflow survey to ensure that the existing air handling units supplied adequate ventilation flowrates to meet the governing mechanical code.

##### **UV Disinfection, City of Rome, Wastewater Treatment Plant, Rome, NY**

Mechanical designer for a new building at the city's wastewater treatment facility. Designed the HVAC system for the facility to meet the requirements of NFPA 820. Designed the plumbing systems for the new building including a service entrance and instantaneous water heater.

##### **Durkin Administration Building, Worcester, MA**

Mechanical designer for project that included the replacement of cooling towers with VFDs on fans, new variable primary chiller, adding VFDs to condenser water pumps, changing fan coil unit motors to ECM motors, adjustment of outside air delivery to match current code requirements, and upgrade to control system components and sequence of operation.

##### **Bouck Hall Renovations, SUNY Cobleskill, Cobleskill, NY**

Mechanical design included the complete renovation of a performance theater and mechanical upgrades to gymnasium. Gymnasium upgrades included replacement of air handling units and the addition of air conditioning. Theater upgrades included replacement of air handling units. A chilled water system was added to the building with the addition of a chiller. The Building Management System (BMS) in building was completely replaced and upgraded.

##### **Sub-Basement Lecture Center South, SUNY Albany, Albany, NY**

Mechanical design included the rehabilitation of the campus water-side economizer system and the replacement of failing evaporative coolers, which were replaced with dry coolers to move the campus toward meeting regulation changes concerning cooling towers.