

# AMANDA HAMMELL, EIT



## SENIOR ELECTRICAL DESIGNER

Amanda Hammell is the Senior Electrical Designer for MH Professional Engineering, and is skilled in all phases of the design of electrical systems, including power, lighting, security, intrusion, fire alarm, nurse call and communication systems, as well as field investigations, project coordination and construction administration. For almost two decades, Amanda has designed various building types and systems, completed building electrical engineering designs in both the private and public sectors, and has been responsible for planning, preparing estimates, and completing project designs and specifications.

### EDUCATION

Bachelor of Science  
Electrical Engineering  
Rochester Institute of  
Technology

Master's Degree,  
Business - New Venture  
SUNY Albany

### EXPERIENCE

Total: 19 years  
With MH: 4 years

### AFFILIATIONS

Institute of Electrical  
and Electronics  
Engineers (IEEE)

Illuminating  
Engineering Society  
(IES)

### PROJECT EXPERIENCE

#### **Security Upgrades, Southport and Groveland Correctional Facilities, Pine City and Sonyea, NY**

Providing/upgrading the facility-wide CCTV/audio monitoring system and facility-wide civilian personal alarm system. Power distribution upgrades are required throughout the facility to support the "head-end" monitoring and recording equipment. Server support rooms are being created/expanded in the facility administration areas requiring new power distribution, improved lighting and critical cooling.

#### **Lobby & Security Office Renovation, Bldg. 40, Creedmoor Psychiatric Center Queens Village, NY**

Currently providing design services for the renovation of the entrance, main lobby, and guard station at the correctional facility. Providing electric power distribution to HVAC, lighting, general receptacle, and specialized equipment. The building's systems are laid out in compliance with 2015 NYS Building Codes, NFPA 72, ADA, the 2014 National Electrical Code, and ASHRAE 90.1-2013.

#### **Pharmacy Basement, Binghamton University, Binghamton, NY**

Provided electrical design drawings showing power, lighting, data, fiber and fire alarm. Provided electric power distribution to HVAC, plumbing, fire protection, data racks, lighting, general receptacles, and specialized equipment. Designed a 350kW/438kVA generator for emergency power and a shared UPS for all tenants. The building's systems were laid out in compliance with 2015 NYS Building Codes, NFPA 72, ADA, the 2014 National Electrical Code, and 2015 IECC.

#### **Engineering Bldg., Critical Maintenance, Binghamton University, Binghamton, NY**

Lead Electrical Engineer for the renovation and complete electrical service upgrade for Binghamton University's 98,500-square-foot Engineering Building. Provided electrical design drawings showing new lighting, lighting controls, power distribution and panels, HVAC, plumbing, fire protection, receptacles, data, cable tray, fire alarm and security system. Designed the incoming medium voltage (13.2kV / 2.47kV) from the existing pad mounted switches to the two (2) medium voltage switches. The campus presently has a 13.2kV system. In the future they want the capability of changing over to a 12.47kV system. A multi-tap transformer, T1, was designed to be able to give the campus that capability without having to replace this new equipment.