



## Our Projects

### Company Profile



Applied Engineering Management (AEM) Corporation was founded in 1986 as a 100% woman-owned business. Since its inception, AEM has experienced more than 22 years of profitable growth and employs one of the most stable, satisfied work forces in the industry. AEM supports a diversified client base that includes Fortune 500 companies and major government agencies located worldwide.

### AEM Difference



LEED Accredited Professionals  
Utility Operations Experience and Expertise

Performance Management Expertise

Engineering and Management Professionals

### Contact



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## U.S. Department of State

Columbia Plaza is a 200,000 SF mixed-use complex located at 23<sup>rd</sup> Street and Virginia Avenue in Northwest Washington, DC. This building features a fifteen-story high rise section, four-story low rise section and four levels of below ground parking. The modernization of this facility was accomplished over several phases:

**The Plaza Café Cafeteria:** Total renovation of the existing kitchen including walk-in coolers and freezers, kitchen exhaust system, renovation of the seating area to become a state of the art kitchen, servery and dining area.

**Employee Services:** Design services for the addition of a locker room facility with men's and women's changing areas in compliance with ADA and UFAS accessibility standards, a vending alcove and ATM alcove.

**Office Tower Renovations:** Mechanical, electrical and plumbing modifications to three floors of the high rise section of the building to meet department of state standards and requirements. This phase included a 10,000 SF expansion of the current data center, including additional computer grade air handling unit and power distribution units.

**Generator and Backup Chiller Additions:** Mechanical, electrical and plumbing and fire protection design for the installation of a supplemental air cooled chilled water system to provide and N+1 redundancy for the current data center. This air cooled system had four modes of operation and was connected to the existing chilled water system via a plate and frame heater exchanger. In addition, a 1,250 KW generator, associated electrical distribution was installed in the parking garage to serve not only the data center but other critical spaces in the facility.

**Child Care Facility:** Mechanical, electrical and plumbing designs to upgrade and expand the existing 10,300 SF child care facility to 13,500 SF. This project brought the existing areas up to GSA childcare guidelines (PBS - P140) and District of Columbia childcare standards. Highlights included design of a multipurpose area, food preparation area, addition of central humidification and redesign of the bathrooms.