

Moses Cone Manor

Fire Protection Upgrades

Blowing Rock, NC

The Building:

Moses Cone Manor was built by Moses H. Cone a prosperous textile entrepreneur, conservationist and philanthropist, and his wife Bertha starting in 1899 and completed in 1901. The building has 23 rooms on four levels, is about 15,000 sq. ft. and is built in the Colonial Revival style. The Manor is located on a 3,500 acre estate owned by the Blue Ridge Parkway, a unit of the National Park Service. The first floor of the building is leased to the Parkway Craft Center which features handmade crafts by hundreds of regional artists.



Nature of Firm's Responsibilities:

Landmark Facilities Group was commissioned to design a fire suppression system for the building. Since the remote building does not have a municipal water supply the design includes a 30,000 gallon water storage tank and 750 GPM fire pump. The design includes wet pipe sprinklers throughout most of the building with a dry pipe system for unheated crawl spaces, porches and attics. A nitrogen generating system was specified for the dry pipe pressure monitoring gas to provide corrosion resistance for the dry pipe system. A new electric utility service was designed to provide power for the fire pump and a 75 kW standby generator was designed in case of utility power failure.