

# Pierpont Morgan Library

## Climate Control Improvements

New York, NY



### **The Building:**

The Morgan Library, known for being a museum and a center for scholarly research and is an extraordinary complex of buildings. It began as the private library of the renowned financier Pierpont Morgan, who is one of America's greatest collectors and cultural benefactors. The collection consists of illuminated, literary, and historical manuscripts, early printed books, and old master drawings and prints.

### **Nature of Firm's Responsibilities:**

Landmark Facilities Group, Inc. (LFG) was commissioned by the Pierpont Morgan Library to evaluate the existing climate control systems and design improvements to modernize those systems and produce efficient precision climate control.

### **LFG Approach:**

In the first part of the program, Landmark Facilities Group Inc. conducted an extensive evaluation of the existing systems to develop a program for climate control improvements. The outcome of this project was used by the Library to obtain both public and private funding for the detailed design and construction of the recommended improvements. Two matching grants from the NEH were obtained.

The second part of the program was the actual installation of the climate control equipment. The work involved:

- Improvements to the thermal and vapor transmission characteristics of the 1903 McKim, Mead, and White building, which is listed as a historic landmark.
- Design of new chiller plant and remote steam service.
- Construction of a penthouse mechanical room to correct long-standing airflow difficulties.
- Installation of new air handlers with the capability to humidify and dehumidify.
- Gaseous pollution filtration.
- State of the art direct digital controls to maintain stable conditions and provide optimum energy efficiency.