

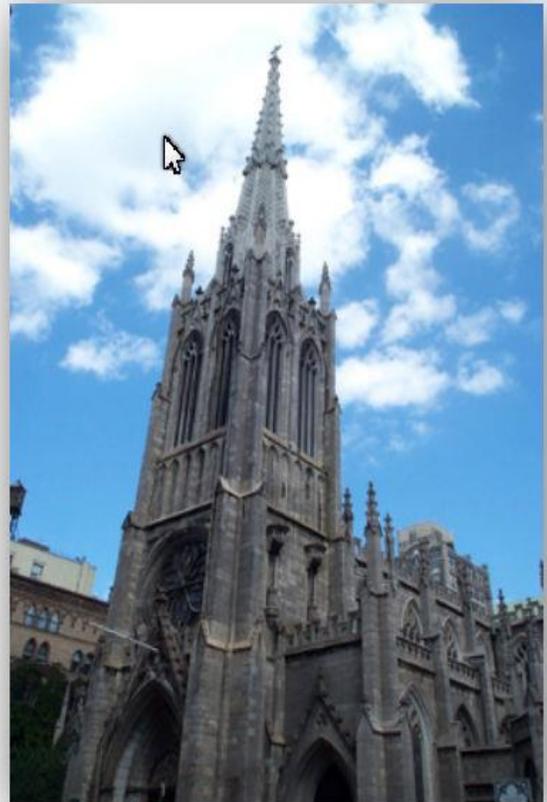
Grace Church of New York

Organ Machine Room Climate Control

New York, New York

The Building:

Grace Church is a Gothic revival house of worship designed by James Renwick, Jr, who later went on to design St. Patrick's Cathedral, St. Ann's Church, and the Smithsonian Institution castle. It is a National Historic Landmark designated for its architectural significance and place within the history of New York City.



Grace Church of New York

Nature of Firm's Responsibilities:

Landmark Facilities Group, Inc. was retained to design a new precision climate control system for the new organ equipment room, located directly below the chancel in the church. Working in concert with organ builder Taylor & Boody as well as the architect and acoustician, LFG designed a system capable of maintaining the stable environment necessary to support the newly rebuilt organ.

In addition to performing humidification, heating, dehumidification and cooling duties, the climate control system was specified and configured to meet the dynamic needs of the organ. The system was designed to automatically modulate in response to the demands of the organ blower motors, which feed air into the delicate wind passages of the instrument. A new digital control system monitored the status of the organ blowers in order to adjust air quantity and stage heating and cooling to seamlessly maintain space temperature and humidity setpoints.

In addition to climate control system design, services provided by LFG included electrical, plumbing and life safety design.