

High Rise

JFK Federal Office Building Fire Alarm Replacement

Boston, MA

Client: US General Services Administration

Construction Cost: \$1,500,000 Size: 26 Stories

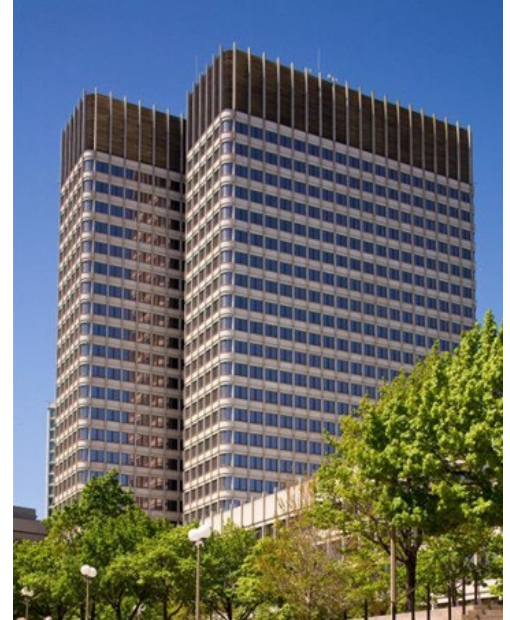
Services Provided

- Fire Alarm System Design
- Installation of Notification Booster Panels, Fire Lights
- Addressable smoke detectors and pull stations
- Modification of Existing fire controls and programming

The scope of services provided by RAN included design of new detection devices and notification appliances throughout the entire building. Existing fire controls and programming were modified to activate and monitor the new equipment.

Notification appliance power booster panels were installed on each of the 26 floors next to an existing fire alarm riser cabinet and each booster panel includes an addressable monitor module. The previous conventional smoke detectors and pull stations were replaced with addressable smoke detectors and pull stations.

RAN's engineers developed a design that allowed for a phasing construction that would meet NFPA standards and codes at all times. This was required because the building was fully occupied with 11 different agencies and the thousands of workers.



CORNING TOWER & AGENCY BUILDINGS

Albany, NY

Client: New York State Office of General Services

RAN Fire Protection Engineering was retained by the Office of General Services to provide fire protection engineering services on the Corning Tower and the four Agency Buildings. The previous fire protection system that was installed and completed in 1973 needed to be updated.

Through an evaluation process, ultrasonic testing was performed on fire protection pipes in 207 different locations to identify the condition of the pipes and to determine their life expectancy. This allowed RAN to lower construction costs by replacing only the corroded pipes.

A code analysis was performed on each building to ensure the plans are up to NFPA standards and New York State Building Code. All upgrades meet NFPA 14 and NFPA 20 code requirements.

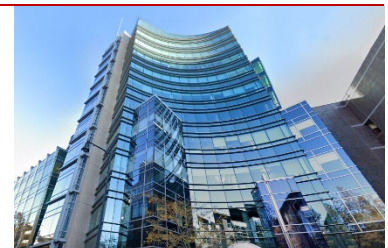
New automatic fire pumps needed to be implemented into the design, as the Corning Tower and Agency Buildings previous fire pumps were manual and only fed to the standpipe systems, not the sprinkler systems. The new upgrades involved automatic fire pumps and automatic transfer switches.

Millennium Pharmaceuticals

Cambridge, MA

Size: 217,000 sq-ft

RAN Fire Protection Engineering provided fire sprinkler and standpipe design for the 35 Lansdowne Street project for Millennium Pharmaceuticals. A small clean room was constructed for use in sensitive experiments. The building also contains a 150-seat auditorium, a full-service cafe, and staff lounges on every floor.



High Rise



Independence Wharf

Boston, MA

Construction Cost: 1,200,000 Size: 14 Stories

The site of Independence Wharf is in the location of the Boston Tea Party, which integrates the rich history of the city. The renovated building addressed both the innovations of 21st Century Boston and the historic significance of the wharf. The scope of the work involved the design of the base building fire protection systems to provide for the future tenant fit out demands. The fire protection system design included a new fire pump along with base building sprinkler/standpipe system distribution.

Gulf Tower

Pittsburg, PA

RAN Fire Protection is part of the repair process that is needed to reopen the Gulf Tower that involves the replacement of the existing fire pump, fire protection design, and code consulting services. RAN evaluated the fire pump system to identify the pressure needed to protect the building. The design requirements incorporated requests from the building and fire officials as well as include electrical emergency and standby power system requirements. As part of the fire pump design, RAN identified fire protection systems that may be impacted by the replacement of the fire pump.



Motor Mart Garage

Boston, MA

Construction Cost: 250,000 Size: 8 Stories

The original building's fire protection systems needed considerable upgrading to meet the current building code requirements. RAN's president provided lead fire protection design services. A new diesel fire pump was installed to serve one of the largest dry pipe sprinklers system in the city of Boston.

Sheraton Hotels

Boston, MA

Construction Cost: \$700,000 Size: 80,000 sq-ft

RAN Fire Protection Engineering has been the MEP & FP engineer for 80,000 square feet of hotel space renovations, along with a Starbucks and Landau's Jewelry Store in the hotel's lobby. The renovations were completed adding more comfortable hotel accommodations, amenities and retail shopping conveniences for the hotel's patrons and clients. The space improvements help in maintaining client retention and attracting new customers.

