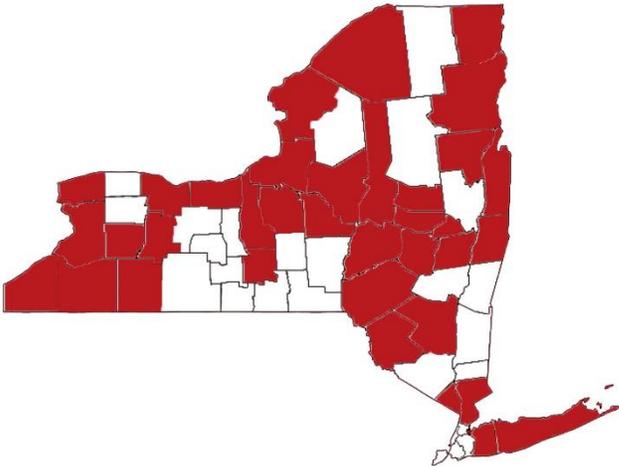

K-12 Projects

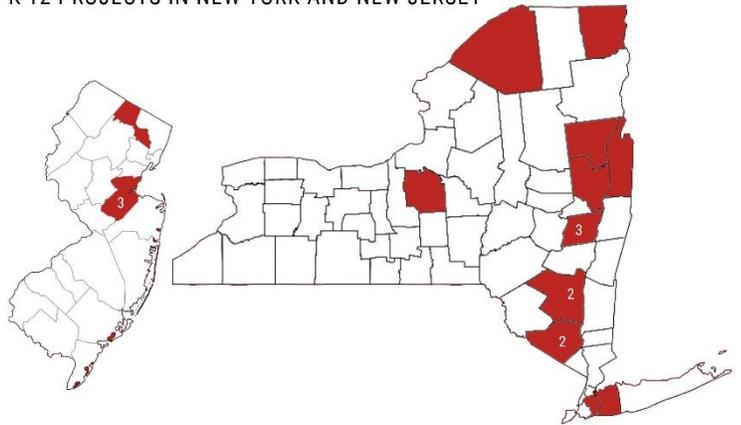
RAN has been working with K-12 buildings for as long as it has been open. RAN continues to work on many K-12 projects. There are currently 14 active K-12 projects, with several more completed projects. Services for these projects vary, but often include services such as sprinkler and fire alarm design, fire pump design, hydraulic calculations, and arbitration assistance. RAN also contracts for many design/build projects and serve as a construction administration resource for many of these projects. Lastly, RAN is staffed by people who are experts in New York State building code. RAN's responsibilities in these projects often include code analysis and consulting. Even before RAN was opened in 2010, Doug Nadeau, our president, worked with the New York State Education Department (SED) to perform code consulting for a variety of school districts across New York State.

Each school or school district comes with its own unique challenges. In order to serve each of these projects effectively, RAN carefully designs fire protection systems to ensure that the final results complement the architectural, aesthetic, and functional needs of each building.

COUNTIES SERVED THROUGH SED CONTRACT



K-12 PROJECTS IN NEW YORK AND NEW JERSEY



James Monroe Elementary

Edison, NJ

Client: LAN Associates

RAN Fire Protection Engineering has designed the complete fire protection system for the James Monroe Elementary School. Numerous architectural features within the building posed challenges to develop adequate sprinkler protection. RAN was able to use their extensive knowledge in fire dynamics to develop a coordinated layout that not only blended in with the building's architectural features, but also reduced the sprinkler demand to avoid the installation of a costly fire pump.



Construction Cost: \$230,000 Size: 67,000 sq-ft



Ogdensburg Free Academy

Ogdensburg, NY

Client: Bernier, Carr & Associates

When the auditorium at the Ogdensburg Free Academy underwent major renovations and upgrades including upgrades to the fire protection system, RAN Fire Protection Engineering provided design and consultation services. RAN provided the design of a new sprinkler system. The designs included arbitration with local Code Enforcement Officials to ensure that the proposed building fire protection strategy would meet their life safety goals. It also included a variance to directly address the fire department's pre-incident suppression tactics.

Construction Cost: \$240,000 Size: 88,300 sq-ft

Kingston High School

Kingston, NY

Client: Lewis Engineering

RAN Fire Protection Engineering was retained to update the Kingston High School Field House sprinkler system. RAN performed a code analysis on the existing fire protection system to make sure that everything was compliant with NFPA standards. It was discovered that a fire pump was needed based on hydraulic calculations of the existing system. A new fire pump and existing system modifications were designed.

Construction Cost: \$285,000 Size: 94,000 sq-ft

