

Clarkson University, Clarkson Hall Potsdam, NY

Clarkson Hall is a health and science building located on Clarkson University's downtown campus. RAN Fire Protection Engineering performed fire protection engineering services for the approximate 56,000 square foot renovations to Clarkson Hall. The scope of services included sprinkler and standpipe design for the expansion of the existing basement sprinkler system to the first, second and third floors. The design overcame the

challenges of integrating a sprinkler system into an existing building through extensive coordination with existing building systems and features to reduce disturbance within the building during construction.



Rensselaer Polytechnic Institute Troy, NY

Rensselaer Polytechnic Institute is a private research university in Troy, NY. RAN Fire Protection Engineering provided fire protection engineering services for the Modulator Room and Service Room for RPI's new linear accelerator. RAN designed a clean agent system, as well as a detection system for the Modulator Room. RAN also designed a wet piper sprinkler system for the Service room, which houses lots of low voltage power supplies.

The College of Saint Rose Albany, NY

The College of Saint Rose is a private Catholic college located in Albany, NY. It was initially a women's college but became co-educational in 1969. Some notable alumni of The College of Saint Rose include Jimmy Fallon, Glen Barker, and Coleen Murtagh.

RAN Fire Protection Engineering provided the design of a proprietary supervising station with a remote annunciating station capability. A new wireless communication network for notification was designed. The design to the supervising station-maintained capabilities of future upgrading. The Long-Term service that was provided by RAN included the development of Saint Rose's Campus wide fire alarm master plan.





Jefferson Community College, SUNY

Watertown, NY

Construction Cost: \$315,000 Size: 98,000 sq-ft

Jefferson Community College has approximately 3,632 students and only one dorm. The 4-story dorm consists of triple, double, single rooms, and suites or quads designed for 6 or 4 people.

RAN Fire Protection Engineering developed a cost-effective sprinkler and standpipe design for a new 4-

story dormitory building at Jefferson Community College. The design included the implementation of state-of-the-art sprinklers which eliminated the need for a fire pump, leading to significant savings for the client. The new dormitory building safely provides residence to 294 students.

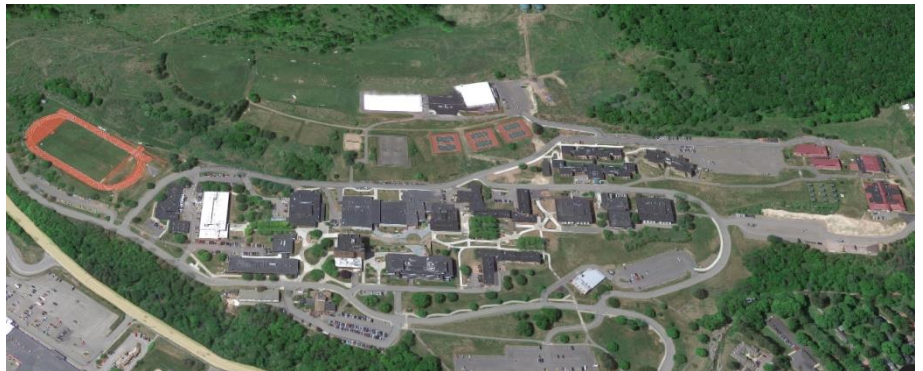
State University of New York at Delhi

Delhi, NY

Construction Cost: \$146,500 Size: 30 Buildings

The State University of New York at Delhi is a public 2-year college and is a part of the State University of New York system.

RAN Fire Protection Engineering designed a campus fire alarm supervising station and radio transceiver infrastructure to integrate with the existing network of campus fire alarm panels that spans over 30 buildings. This system allows campus police to monitor fire alarm signals from all buildings on campus using a wireless network. This reliable system allows for campus police to respond quickly to fires with knowledge of the location.



Williams College Hewat House

Williamstown, MA

Williams College Hewat House is an existing 3-story wood framed house that was converted from faculty and staff housing to offices and meeting space for Thompson Health Center

RAN was retained to perform fire protection consulting services to the Hewat House. RAN ensured code compliance for the building and the layout of heads for the fully sprinklered building.

Seward Place, Union College

Schenectady, NY

Union College designed college park neighborhood apartments for some of their on-campus residents. With approximately 2,180 students, Union developed alternatives for the students instead of staying in 1 of the 9 other residential halls or houses. One of the alternatives is Seward Place. With 11 options of apartments for Seward Place, the students are provided with more space and privacy than if they lived in the dorms.

RAN Fire Protection Engineering provided fire protection services to 313 Seward Place at Union College in Schenectady, NY. RAN performed construction observations and declared that the sprinkler systems used were installed properly, and in accordance with the New York State Building and Fire Codes and NFPA-13R. The design intent of all working drawings was also checked by RAN for constructability, accuracy, and for conformity to applicable laws, codes, and regulations.



University at Albany, SUNY

Albany, NY

Construction Cost: \$600,000 Size: 122,000 sq-ft

RAN provided fire protection engineering design services for the Campus Center expansion project at the University at Albany. The Campus Center provides 15 services to the students and staff and is one of the most used buildings on campus.

RAN designed intricate standpipe and sprinkler systems for the renovation and expansion of the campus center which considered the historical elements of the existing building. RAN's design also overcame the challenges presented by an insufficient water supply via the use of a fire pump.

St Rose Master Plan Update

Albany, NY

The College of Saint Rose is a private Catholic college located in Albany, NY. The scope of services for the Fire Alarm System Master Plan at Saint Rose was adjusted after facility personnel identify the goals, needs, and wants of the college during the initial scoping meetings. The Master Plan assumes a 5-to-10-year planning process for the fire alarm system upgrades on-campus.





Saint Rose, Madison Avenue *Albany, NY*

The College of Saint Rose has a variety of living situations for the approximately 2,500 students, which include 5 first-year halls, 18 other halls, and 13 apartments.

RAN was retained to provide Fire Protection Engineering consulting services to one of the many apartments located on Madison Avenue in Albany, NY. RAN reviewed drawings, in order to verify that the system was up to code and meet all the

requirements. RAN also made suggestions as needed, to those drawings. They also evaluated the existing fire protection systems, to verify their condition.

Vassar College Library Fire Suppression System

Poughkeepsie, NY

Vassar College Library is a valuable resource to the students that attend Vassar College. The library contains historical journals, books, media, and can even contain information pertaining to your major or minor.

RAN provided fire protection engineering consulting services to Vassar College Library located in Poughkeepsie, NY. The scope of services included a facility walkthrough to observe existing building structures, fire protection systems, fire hydrants, and fire department operations, evaluation of potential fire suppression system options to avoid water damage to historic documents and provide a memo and assistance with arbitration with the Code Enforcement Officials and Insurance Company to identify any concerns.



Williams College Children's Center

Williamstown, MA

The Williams College Children's center serves the children of college and community families. RAN Fire Protection Engineering provided the review and analysis of fire protection drawings, as well as make suggestions and provide feedback as necessary. Additionally, RAN reviewed the working drawings to verify agreement with the design intent and stamp them in compliance with SED regulations for design delegation.

JCC Jules Center

Watertown, NY

Jefferson Community College is a public community college that has approximately 3,632 students. One of the most important building on campus in the Jules Center because it houses 14 general classrooms, 5 computer classrooms, and a 130-seat amphitheater. The building is also home to the art lab, a 72-station open access computer resource center, meeting rooms, Boardroom, and the Public Relations Office. Finally, enrollment services such as office of Admissions, Financial Services and Student Records, New Student Advising, and the College Bookstore. All the student necessities for college help is located in this building.



RAN Fire Protection Engineering provided a variety of services to the Jefferson Community College located in Watertown, NY. The scope of services included fire protection drawings, hydraulic calculations, development of specifications for fire protection systems as needed, and participating in scheduled conference calls to review progress. After the “construction documents” phase was completed, RAN provided construction administration services such as submittal review, answering questions, and help during the bid phase.



MCLA Campus Center Reconfiguration Study

North Adams, MA

The Massachusetts College of Liberal Arts is a public college that about 2,000 students attend. A majority of students tend to spend a lot of time in the Campus Center, which is the hub of the college. Inside the campus center, you can find the main dining hall, Subway, a coffee shop, social spaces, fitness room, bookstore, a convenience store, ATM, computer stations, and the info booth. Beside all the public access spaces, student clubs, offices, and meeting room are located in the Campus Center also.

RAN Fire Protection Engineering provided fire protection services to MCLA Campus Center in North Adams, MA. The scope of services included fire protection design drawings, hydraulic calculations, sprinkler, and piping location in compliance with NFPA 13, review of codes and requirements, and review of plans.