



Ramsey High School, Ramsey, NJ

Built originally in 1937 Ramsey High School still used steam heating for its classrooms. All three floors are fed from the same pipe stack. This resulted in very uneven heat distribution on each floor. During shoulder seasons (Fall and Spring) the third floor classrooms would have their windows open as the heat rising throughout the building would make the classrooms unbearably hot.

Design Challenge

There was an immediate need for a system to provide both heating and

cooling to the third floor classrooms. Ramsey Board of Education (BOE) wanted the new system to be efficient, able to be zoned for each classroom and the office space on third floor. They did not want to take away from the architectural elegance of the building.

Why Fujitsu Was Chosen

Fujitsu's Airstage VRF system was the perfect fit. The ability to modulate capacity without sacrificing efficiency, as classrooms use varied greatly from hour to hour during school days.

Its long piping distance allowed the bank of condensers to be hidden far away from the front of the building keeping its beautiful architecture untarnished.

The Results

Full use of third floor classrooms during the entire school year, increased attention of students and staff.



Products Used



(2) AOUA96RLBV



(2) AOUA72RLBV



(1) AOU36RLXB



(1) ASU 36RLXB



(3) AUUB18TLAV



(2) AUUB36RLAV



(8) AUUB30RLAV



(12) UTG-LCGV

AIRSTAGE VRF ACCESSORIES USED

(3) UTR-CP567X VRF Piping - Outdoor Separation Tube

(11) UTY-RHKU VRF Control - Simple Remote

(1) UTY-ABGX VRF Control - BACnet Gateway

(4) UTR-BP090X VRF Piping - Indoor Separation Tube

(3) UTR-BP180X VRF Piping - Indoor Separation Tube



- ISO9001
- ISO14001

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