



- Gas-fired absorption chillers
- 120 total refrigeration tons
- High School campus
- New York, NY



Park West High School uses gas to efficiently cool their classrooms.

When the New York City School Construction Authority needed an air conditioning design that would stand the challenges of today's volatile energy market, while being easy to run and maintain, they turned to Ensign Engineering for a solution.

Ensign Engineering, P.C. provides quality civil, mechanical, electrical and plumbing/fire protection engineering as well as architectural services and construction inspection on infrastructure and facility projects throughout the tri-state area. With a staff of highly experienced designers, engineers and inspectors dedicated and devoted to this energy conserving HVAC facility project, Ensign Engineering did a thorough energy and customer needs evaluation and designed a gas cooling central air conditioning plant featuring Yazaki chiller-heaters.

Their design incorporated two Yazaki chillers located outdoors on the roof of the school. This saved valuable space to be used for the students and simplified the rigging of the equipment. The two chillers provide the school with redundancy and the ability to stage and respond to internal load changes. These absorption chillers do not require a mandatory operating engineer as is needed with most air conditioning equipment in New York City, and takes advantage of off peak gas prices in the spring and summer months.

Yazaki Energy Systems, Inc. is a world leader in the manufacturer of absorption chiller technology with over 300 machines operating in the



NYC area and more than 30 years experience in the marketplace. Yazaki chillers are perfect for gas cooling or cogeneration projects and can be used in either indoor or outdoor applications. They specialize in schools, hospitals, nursing homes, institutions, residential buildings, and hotels. For more information about Yazaki Energy Systems, Inc. contact Steven Cohen at 631-445-9117.

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