

KEY FACTS

SQUARE FEET:

365,000

COMPLETED:

2008

CONSTRUCTION COST:

\$112M

SERVICES:

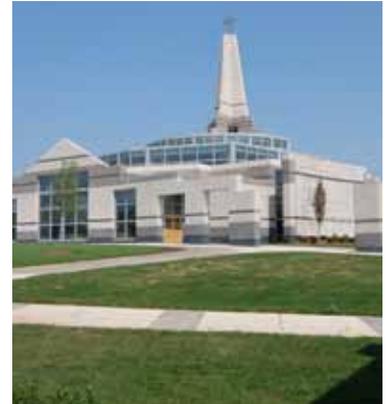
MEP/FP, Voice Data and Security
Engineering, Commissioning

ARCHITECT:

RMJM, Bohlin Cynwinski Jackson,
Venturi

HIGHLIGHTS:

2009 Winner Philadelphia Business
Journal Best Industrial/Institutional
Project over \$15 Million



EPISCOPAL ACADEMY

The new, 123-acre campus in Newtown, Square, PA houses over 365,000 SF of new facilities, including a science center, lower, middle and upper school buildings, student center, athletic facility and chapel, as well as numerous athletic fields. The student center houses a performing arts theater, library, and three (3) separate dining facilities. The athletic facility includes five (5) basketball courts, ten (10) squash courts, and an eight (8) lane pool.

The designs for the campus included independent building mechanical, electrical, plumbing, and fire protection systems. Each building has a standalone Building Automation System (BAS) which ties into an overall campus wide monitoring system.

The 3-story, 27,000 SF Science Center houses both the Upper and Middle School science labs. There are four (4) science lab classrooms on each floor and one prep area serving every two classrooms. The labs include earth science, biology, chemistry and physics. Each chemistry lab has two fume hoods. Each fume hood has dedicated utility type exhaust fan located on the roof that is interlocked with the fume hood switch to shut-off when the fume hood is not in operation. The fixed position lab desks/tables were wired for power and data at each seat. There are two projector screens and a rotating

video camera to provide two viewing positions for presentations in each lab. Each lab has an AV rack and two teaching positions for the AV system.

Voice/data designs include a Local Area Network for the science building, administrative offices and office functions, plus programmed support areas (i.e. reception, store, library and storage areas). The LAN is capable of accommodating high speed LAN/WAN services, VoIP services, wireless LAN services, CATV, CCTV and additional converged LAN applications. Bala also designed a security system for both interior and perimeter spaces. The system is comprised of a card access system, Closed Circuit Television monitoring and an intrusion alarm system. Additionally, the integrated communications network is flexible enough to meet the future needs of the school.

FOR MORE INFORMATION,
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