

# EDUCATION

## ENHANCING LEARNING EXPERIENCES.



Campus facilities for higher education and K-12 institutions are regularly revitalized or replaced in order to improve the educational experience for students. F&B Engineering's experience includes design of educational facilities used for living, learning, recreating, and researching. Our team focuses on designing and building system solutions that are flexible, efficient, and sustainable.

### FEATURED PROJECT



#### **POPE JOHN PAUL II** WEST BRANDYWINE, PA

Pope John Paul II is a Regional Catholic Elementary School located in West Brandywine, PA. F&B provided the MEP | FA | FP for the new construction of a three story state-of-the-art 83,000 SF facility on a 30 acre campus. Design included a generator. Furthermore, 7 years later, F&B provided the MEP | FA | FP for a 10,500 SF expansion.



### EDUCATION SNAPSHOT

<i>Ancillae-Assumpta Academy</i>	<i>Millersville University</i>
<i>Archdiocese of Philadelphia</i>	<i>Neumann College</i>
<i>Atlantic County Community College</i>	<i>Notre Dame Academy</i>
<i>Barkley Friends School</i>	<i>PA Institute of Technology</i>
<i>Boys Latin Charter School of Philadelphia</i>	<i>Pencader Charter</i>
<i>Bristol School District</i>	<i>PIT John Strayer</i>
<i>Camp Rainbow</i>	<i>Princeton University</i>
<i>Cerebral Palsy Vocational High School</i>	<i>Rosemont College</i>
<i>Charles A. Melton Education Center</i>	<i>Rowan College</i>
<i>Chester Charter School</i>	<i>Rutgers University</i>
<i>Chester County Center DCCC</i>	<i>Sacred Heart</i>
<i>Chestnut Hill College</i>	<i>Sisters of Mercy</i>
<i>Concord Elementary School</i>	<i>St. Phillip and James</i>
<i>Delaware County Community College</i>	<i>St. Andrews School</i>
<i>Drexel University</i>	<i>St. John Neumann</i>
<i>Episcopal Academy</i>	<i>St. Joseph's University</i>
<i>Friends School</i>	<i>St. Jude Church &amp; School</i>
<i>Germantown Friends</i>	<i>St. Phillips and James</i>
<i>Glen Mills School</i>	<i>St. Thomas Moore Parish</i>
<i>Gloucester County College</i>	<i>Stockton College</i>
<i>Goddard School</i>	<i>Swarthmore College</i>
<i>Green Bank School</i>	<i>Temple University</i>
<i>Haverford School</i>	<i>Truman High School</i>
<i>Holy Family College</i>	<i>University of Pennsylvania</i>
<i>John Paul II Regional Catholic Elementary</i>	<i>University of the Arts</i>
<i>Kembelsville Elementary</i>	<i>Upland Country Day School</i>
<i>Kennett School District</i>	<i>Valley Forge Christian College</i>
<i>Kennett Square High School</i>	<i>Villanova University</i>
<i>LaSalle University</i>	<i>Visionary</i>
<i>Learning Tree International</i>	<i>Waldron Academy</i>
<i>Lincoln University</i>	<i>West Chester University</i>
<i>Malvern Day Care Center</i>	<i>Widener University</i>
<i>Malvern Preparatory School</i>	<i>Williamson Free School</i>
<i>Media Friends School</i>	<i>Wilmington School</i>

## INDUSTRY EXPERTISE

### Educational Facilities

Facility types include:

- Colleges/Universities
- K-12 Schools
- Specialty Learning Centers
- Day Care Centers
- Trade Schools
- Training Centers
- Student Housing Buildings

What we do:

- Feasibility/Energy Studies
- New Construction
- Expansions/Renovations/Enhancements
- Medium Voltage Power Distribution Systems
- Lighting System Replacements
- Short Circuit/Coordination/Arc Flash studies
- Thermal Imaging
- Chiller Plant & Boiler Plant Replacement





### GLEN MILLS SCHOOL

CONCORDVILLE, PA

MEP design for school's 800 acre campus substation upgrade. Design included a new generator to support the campus.



### THE EPISCOPAL ACADEMY

NEWTOWN SQUARE, PA

Electrical design for 13.2 kV underground distribution system upgrade for this 232 year old, award winning independent school. This project included new generators and pump station design.



### ST. JOSEPH'S UNIVERSITY

PHILADELPHIA, PA

Numerous electrical design projects throughout the campus, including dormitory halls, data center, science center, campus and street lighting, print shop, education center and service and distribution upgrades.

### WEST CHESTER UNIVERSITY

WEST CHESTER, PA

Numerous MEP design projects contributing to the WCU expansion such as, the sports complex, graduate center, science laboratory, dormitory, library and classrooms.



### LEARNING TREE INTERNATIONAL

VARIOUS LOCATIONS IN NY, IL, MD, VA

Numerous MEP | FP | FA design projects contributing to the design for all locations.



### MEDIA PROVIDENCE FRIENDS SCHOOL

MEDIA, PA

MEP | FA | FP design for the renovation to an existing building and the construction of the new 2,200 SF building.





### ST. JUDE CATHOLIC EDUCATION CENTER

CHALFONT, PA

MEP | FA | FP design consisting of a two-story addition on the top of an existing two-story building with 34,000 SF. Design included a new generator.



### GODDARD SCHOOL

SEVEN LOCATIONS IN PA & NJ

MEP | FA design for all locations.



### BOYS LATIN OF PHILADELPHIA CHARTER SCHOOL

PHILADELPHIA, PA

MEP | FP | FA design for the new three-story charter school. FXB provided FA and temporary power for the transitional trailers during construction.

### MILLERSVILLE UNIVERSITY

MILLERSVILLE, PA

Electrical design for the MIS department.



### ST. JAMES REGIONAL CATHOLIC SCHOOL

RIDLEY PARK, PA

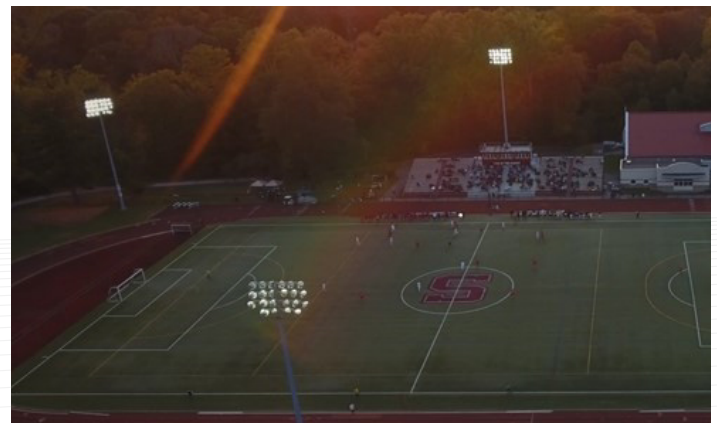
Electrical and Mechanical upgrades to the school and gymnasium.



### SWARTHMORE COLLEGE

SWARTHMORE, PA

Several projects including the new 33 kV service and underground distribution system, new 4160 volt underground distribution system, renovations to several building, soccer field lighting, new voice/data infrastructure upgrade.







### UNIVERSITY OF PENNSYLVANIA

PHILADELPHIA, PA

Numerous FA designs including fire alarm upgrades campus-wide, electrical design for the Veterinarian School and engineering of the field house.



### ROSEMONT COLLEGE

ROSEMONT, PA

MEP design for Olympic size pool.



### THE PENNINGTON SCHOOL

PENNINGTON, NJ

Mechanical and Electrical design for the renovation of the supply and exhaust air systems to improve ventilation. Addition of air conditioning to the kitchen and main dining hall.



### VALLEY FORGE MILITARY ACADEMY

VALLEY FORGE, PA

Electrical and Mechanical upgrades to the school and gymnasium.



### CHESTER COUNTY CENTER OF THE DELAWARE COUNTY COMMUNITY COLLEGE

DOWNINGTOWN, PA

Electrical and FA design. Design for new generator.