

THE EDUCATIONAL ACTIVITIES BUILDING

The Pennsylvania State University: Penn State Harrisburg, Middletown, PA



Design and Construction Team:

- Owner: Penn State
- Architect: Bohlin Cywinski Jackson
- Construction Manager: Reynolds Construction
- MEP Engineer: IES
- Structural Engineer: Hope Furrer Associates

General Information:

- Location: Harrisburg, PA
- Occupancy: Educational
- Height: 2 stories
- Size: 55,057 GSF
- Building Cost: \$19.4 million
- Construction Dates: February 2013-May 2013
- Delivery Method: Design-Bid-Build with a CM-at-Risk



Mechanical:

- One mechanical room located on the 1st floor of the north wing
- Central station air handling unit HVAC system
- Variable air flow distribution system
- Uses chilled water for cooling and hot water for heating

Electrical:

- 1600A, 480V, 3 phase and 4 wire electrical service
- 40kW emergency generator for life safety loads
- Majority of lighting is LED
- Electrical distribution includes various step-down transformers distribution panels

Architecture:

- Contains engineering labs, classrooms, multi-purpose room, faculty research labs and computer labs.
- L-shaped building with a penthouse
- Designed to be LEED certified
- Connected to existing building by a pedestrian walkway connector

Structural:

- Foundation: Spread footings
- Cast in place 5" & 6" Slab-on-Grade
- Structural steel frame
- 2" 20 GA composite steel decking