

Berks Classroom And Lab Building

Reading PA

Julia Broskey

Mechanical Option

Building Stats

Occupancy: Business

Size: 62,188 sq ft

Levels: 3

Cost: Withheld at owners request

Project Delivery: Design-Bid-Build

Construction Dates: April 2010 - Aug/Sept 2011



Architecture

Located on Penn State Berks Campus, Berks Classroom and Lab Building is a new construction building. The building is a 3 story building consisting of classrooms and laboratory space and is designed to be LEED silver.

Mechanical

3 electrical roof top units serve the majority of the building providing supply air to VAV boxes that serve the spaces. The roof top units are supplemented by a computer room unit to provide cooling to the server room.

Electrical

The electrical system uses both 480/277V and 208/120V systems throughout the building. The lighting of the building is run on the 480/277V system and the plug loads are run using the 208/120V system.

Structural

The foundation of the building is cast in place concrete slab on grade with pile caps and piers. Typically the Building's framing is steel and the floor construction is concrete with some thickened slabs where needed.

Project Team

Owner: Penn State Berks

Architect: RMJM Hillier

GC: Alvin H. Butz, Inc

Construction Cost Estimator: Becker & Fondorf

Structural Engineer: Greenman-Pedersen, Inc

MEP: H.F. Lenz Company

Civil Engineer: Gannett Fleming Engineers

Lighting Consultant: Illumination Arts, LLC

Acoustical Consultant: Shen Milsom Wilke, Inc.

