



Jake Copley | Mechanical | Biobehavioral Health Building | University Park, PA

Building Statistics

Building Size: 93,500 SF

Number of Stories: 4 Above
+Mech Penthouse + 1 Below
Grade

**Estimated Project Completion
Date:** November 2012

Overall Project Cost: \$48.1 Million

Project Delivery Method: Design-
Bid-Build

Mechanical

- Six variable air volume air handling units with economizers.
- Perimeter heating use in conjunction with VAV system.
- Heating and cooling supplied via campus steam and chilled water loops.

Electrical/Lighting

- PSU owned transformer connected to the campus normal power loop.
- Emergency power is provided from the campus emergency power loop.
- T8 luminaires with dimming ballasts and LED down lights are typical in common areas.
- T5HO luminaires with dimming ballasts are typical in classrooms.



Northeast entrance and plaza
off the HUB lawn



Southeast entrance near the
Henderson South Building and
Health and Human
Development Building



West entrance off the Old
Main Lawn

[http://www.engr.psu.edu/ae/thesis/
portfolios/2012/RJC5149](http://www.engr.psu.edu/ae/thesis/portfolios/2012/RJC5149)

Project Team

Owner:

The Pennsylvania State University

Architect:

Bohlin Cywinski Jackson

CM:

Massaro CM Service

MEP/Fire Protection:

Bruce E. Brooks Associates

Structural Engineer:

Robert Silman Associates

Civil Engineer:

Gannett Fleming, Inc.

Landscape Architect:

Michael Vergason

Architecture

- Aesthetically similar to the Henderson North Building.
- Provides general purpose classroom space, office and research space.
- HUB Lawn Plaza will provide a new venue for events and performances.

Structure

- Continuous concrete spread footing with isolated spread footings for interior support.
- Moment, braced frame steel structure.