

# Biobehavioral Health

## Building

## Building Statistics

*Size:*

93,500 SF

*Number of Stories:*

5 Stories above grade + Full  
Basement (100% below grade)

*Dates of Construction:*

November 2010 - November 2012

*Cost:*

Building Cost = \$40,000,000

*Delivery Method:*

University Park, PA

## Architecture

- A majority of the façade was designed to mimic Henderson North's Georgian style architecture with the use of large amounts of brick and natural limestone.
- North East portion of the building designed to replicate the more modern design of the HUB.
- HUB lawn terrace with stone seat walls for student hangout and can also be used as a stage for concerts.
- Large lecture hall directly under terrace

## Project Team

*Owner:*

Penn State College of Health and  
Human Development

*Architect:*

Bohlin Cywinski Jackson

*Structural Engineer:*

Robert Silman Associates

*MEP Engineer:*

Bruce E. Brookes & Associates

*Civil Engineer:*

Gannett Fleming, Inc

*Landscape Architect:*

Michael Vergason

Landscape Architects, LTD

*Construction Manager:*

Massaro CM Services

*General Contractor:*



## Mechanical

- 6 air handling units
- VAV boxes for multiple rooms
- Building hooked into PSU campus's chilled water and low pressure steam loop.

## Lighting/Electrical

- Mixture of florescent and LED lighting.
- Dimmable lights.
- Occupancy sensors in all rooms.
- Building hooks into PSU campus power supply.

## Structure

- Spread footing foundation.
- Slab on composite metal deck.
- Composite beam action.
- Lateral loads resisted by both steel moment frames and a braced frame.
- Reinforced CMU infill walls anchor

Daniel Bodde

Structural Option

<http://www.engr.psu.edu/ae/thesis/portfolios/2013/dr5147/index.html>