



## APPELL LIFE SCIENCES

York College of Pennsylvania  
York, PA

### Primary Project Team

Owner: York College Of Pennsylvania

Architect: RLPS Architects, Ltd.

CM: Kinsley Construction Company

Civil: LSC Design, Inc.

Structural: Macintosh Engineering

M.E.P.: JDB Engineering

Lab Consult: United Hospital Supply

### General Building Info

Occupancy Type: Education

Size: 102,000 SF

Levels: 3 Above/4 Total

Construction: January 2010 to August 6 2011

Bid Cost: ~ \$16,000,000

Delivery Method: Design-Bid-Build/  
CM provides GMP

### Architecture

- Life Sciences includes a Greenhouse Building
- Facade includes Brick Veneer, Low-e glazing, cast stone sills
- Greenhouse building includes curtain wall system and premanufactured enclosure
- Life Sciences includes offices, classrooms, computer labs, and various laboratories

### Mechanical

- 400 Ton water-cooled centrifugal chiller
- Heating provided by 3 2640 MBH gas-fired boilers
- 2 VAV AHU's and 3 Primary Air AHU's service Life Sciences
- Greenhouse heating provided by wall hung radiation units
- Cooling provided by evaporative coolers
- Offices serviced by VAV, Classrooms and Labs by Fan Coil Units

### Structural

- Foundation includes spread and stepped footing and concrete grade beams
- 14J6 joists typical for 1st to 3rd floor
- W36 beams typical for 1st to 3rd floor
- Roofing consists of metal decking and concrete slab
- 1st-3rd floors consist of metal decking and concrete slab

### Lighting/Electrical

- 15 kV Main Switch Substation
- 13.2 kV 3PH 3W primary and 480/277 V 3PH 4W secondary transformer services panelboards
- 300 kW/375kVA Emergnecy Generator
- Interior Lighting includes fluorescent & incandescent lamps
- Exterior Lighting consists of HID lamps



Joshua Martz  
Mechanical Option

<http://www.engr.psu.edu/ae/thesis/portfolios/2011/jrm5182/index.html>