

BARSHINGER LIFE SCIENCE & PHILOSOPHY BUILDING

LANCASTER, PENNSYLVANIA

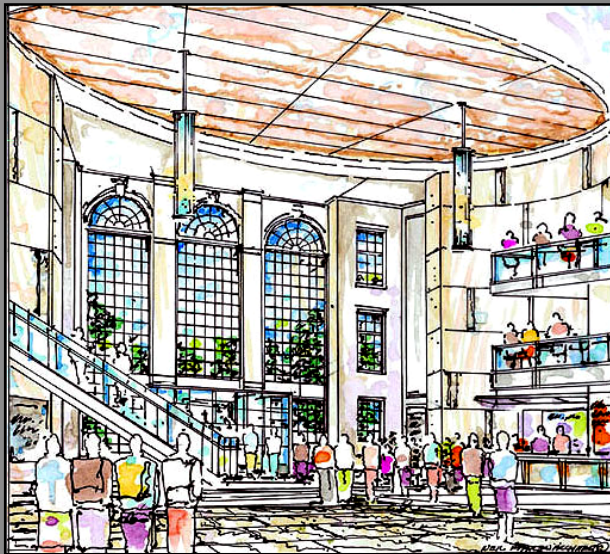


PROJECT TEAM

- § Owner - Franklin & Marshall College
- § Architect - Einhorn Yaffee Prescott
- § Structural & MEP - Einhorn Yaffee Prescott
- § General Contractor - Skanska USA

PROJECT INFO

- § Size - 100,000 GSF
- § Number of Stories - 3+
- § Total Project Cost - \$40 million
- § Construction Dates - Oct. 2005–June 2007
- § Delivery Method - Design-Bid-Build
- § Contract Type - Guaranteed Max Price



ARCHITECTURE

- § Colonial-Revival Style.
- § Red brick façade w/ slate shingled roofs.
- § 3-story central atrium featuring grand staircase, café, soft seating, study tables, and direct entry to departmental offices.
- § Faculty offices, classrooms, teaching labs, research labs, vivarium, lecture hall, and Humanities Common Room.

STRUCTURAL

- § Conventional framing with composite decking and composite wide-flange beams.
- § Wide-flange columns supported by concrete piers and shallow foundations.
- § The lateral force resisting system is composed of steel concentrically braced frames in the main building and moment frames in the vivarium wing.
- § 14-foot typical floor-to-floor heights.



MECHANICAL

- § Steam and chilled water supplied by the campus's Central Utility Plant.
- § Two double-wall custom AHUs with VAV controls serve the main building.
- § One dedicated double-wall 100% outdoor air AHU serves the vivarium.

ELECTRICAL

- § Substation with a 2000/2666kVA, 12.47kVA to 480/277V, 3-phase, 4-wire dry transformer and a 4000A, 277/480V distribution.
- § 208/120V local receptacle panels.
- § 480/277V lighting panels.

Michael A. Hebert
Structural Option

<http://www.arche.psu.edu/thesis/eportfolio/current/portfolios/mah409/>

FRANKLIN & MARSHALL

EYP / Einhorn Yaffee Prescott
Architecture & Engineering P.C.