

University Academic Center

Eastern USA



General Information

Function: Mixed use (A-3, B, M, S-1)
Size: 192,000 sq. ft.
Height: 72 ft.
Constructed: September 2005 – August 2007
Project Cost: \$55.7 million

Project Team

Owner: Multiple Universities
General Contractor: Skanska USA
Architect: Cannon Design
Structural Engineer: Columbia Engineering
Mechanical/Electrical Engineer: Cannon Design

Architecture

- 3 wing building containing 45 classrooms, over 120 offices, full kitchen dining service, a bookstore, and library resource center
- Varying façade using glass curtain wall, metal panels, brick, stone, and glazed CMU
- Highly sustainable design incorporating solar shading, low-E coated glass and accessible roof gardens to achieve a LEED Gold rating

Structural

- Slab on grade foundation and spread footings
- Steel framing using mainly wide flange members
- Concentrically braced framing for lateral support
- Floor system is mostly composite decking using LWC

MEP

- Demand ventilation with occupancy sensors to minimize energy consumption
- VAV systems both with and without reheat used
- 277/480V 3 phase - 4 wire system
- Majority of lighting consists of fluorescent and compact fluorescent in interior with metal halide on exterior
- Building is protected by a fully automatic wet-pipe sprinkler system

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Structural Option