SOUTHERN MANAGEMENT CORPORATION

CAMPUS CENTER

Primary Project Team

Owner:	University of Maryland, Baltimore
Architect:	WTW Architects, Inc.
MEP:	Henry Adams, LLC
Structural:	Whitney, Bailey, Cox, and Mangini
CM/PC:	The Whiting-Turner Contracting Co.

Building Statistics

Location:	Baltimore, MD
Size:	110,000 SF
Occupancy:	Academic
Total Cost:	$43,400,000
Levels:	5+penthouse
Dates:	May 2006 - May 2009
Delivery Method:	CM at Risk

Architecture

The SMC Campus Center is a modern student-centered facility that improves student life at UMB through expanded programming and enhancement of the urban campus environment. The exterior is respectful to the materials and aesthetics of the adjacent buildings, consisting of stone veneer, face brick, and adequate glazing for daylighting. The interior is designed to encourage health and wellness, house student organizations, provide recreations and relaxation, and offer exceptional food and dining venues.

Mechanical

- Primary VAV system
- General air distribution through ceiling and sidewall mounted diffusers
- Dehumidification for 4th Floor indoor pool
- Cooling: 1 cooling tower, 1 centrifugal chiller, 5 AHU's with energy recovery wheels
- Heating: Connected to Trigen steam (preheat and reheat), unit heaters throughout

Electrical

- Service extended from UMB campus 13.2kVA distribution system
- Power stepped down to 480Y/277V, 3PH, 4W utilization voltage
- 3000A Main Unit Substation
- Copper busways routed through vertically stacked electrical closets
- Emergency power provided by one diesel powered engine-generator
- 480Y/277V and 120Y/208V panelboards

Lighting

- Variety of luminaires including custom pendants, decorative sconces, linear fluorescents, and downlights
- Efficient lamp selections such as T8 and CFL
- Lighting control systems with occupancy sensors, switching, and dimming modules
- Illuminance levels designed to meet IESNA recommendations and ASHRAE 90.1 LPD requirements

Structural

- Concrete piers and traditional spread foundations with 5" slab on grade
- Steel columns, girders, and beams
- Floors: 2" composite deck with 3-1/4" ltwt concrete slab
- Moment frames and X-bracing for stability
- Large clear span areas (ballroom and pool) utilize 40" beams for "column-less" spaces
- Double-floor system used to minimize vibrations in office areas

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