

Academic Center

Montclair Builds Big Building on Campus

By Deb Wood



New Jersey's fastest-growing public university is adding a 266,000-sq.-ft. academic facility, the latest in a busy construction program on campus. The structural steel building will house the university's teacher education programs.

A new academic building in the heart of the Montclair State University campus will provide classroom space to serve an expanding student population at New Jersey's fastest-growing university.

"This extraordinary new building will provide an instrument for teaching second to none and for decades to come," said Susan Cole, president of Montclair State in Montclair, N.J.

The 266,000-sq.-ft., \$54 million academic facility, being built by Terminal Construction Corp. of Wood Ridge, N.J., will be the largest building on the Montclair State campus. It will house the College of Education and Human Services, and enable the school to more than double the number of teachers it produces annually. It also will bring under one roof many departments now housed in six different buildings.

The school expects to grow from 15,500 students to 18,000 students by 2008, Montclair State's centennial. Only Rutgers University has a larger enrollment in

the Garden State, according to the N.J. Commission on Higher Education.

University spokesperson Bob Quarteroni said Montclair State is in the midst of a building boom, because of historic "underbuilding" in the state system, coupled with the expected enrollment growth. The university has launched a capital campaign to raise \$50 million for projects not funded by the state, such as facility enhancements and scholarships. Current and planned capital projects include: a recreation center scheduled for completion in 2006; renovation of existing buildings; and current construction on the academic building and the Children's Center, a facility that will offer early education for infant and preschool children of university students, staff, and residents from neighboring communities. In addition, Terminal Construction completed several projects last year for Montclair State, including a residence hall complex and a theater.

S/L/A/M Collaborative of Glastonbury, Conn., designed the structural-steel, molded-frame academic building. A portion of the structure contains four floors and connects to a seven-story main section. The academic center contains 50 classrooms, administrative space, lecture halls, learning laboratories, and a 600-seat, multimedia conference center.

"The building is modeled after some of the original buildings at the university, which were built in the early 1900s," said Walter Kanzler, project manager >>

Useful Source

Montclair State University

<http://www.montclair.edu/pages/insight/Insight11-03-03/NAB.html>

for the university. "The finishes are similar in nature."

The Spanish-mission style exterior envelope consists of cast stone and stucco. Glass windows surround the eighth-floor banquet hall and offer views of the New York City skyline, about a dozen miles to the east. A clay-tile roof tops the building.

"It's a very ornate building," said Dawn Lucas, project manager for Terminal Construction, which broke ground in February 2004. "It's built with what some people would call a belt and suspenders, which means it is meant to be here for 100 years."

The team took preservation measures to help the exterior envelope >>



The \$54 million structure at Montclair State University will feature a Spanish-mission style exterior envelope of cast stone and stucco, along with a clay tile roof. Construction began last year and wraps up later this year.

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Rendering above: Montclair State University; New Academic Building
Architect: S/L/A/M Collaborative, Inc.

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withstand time, including applying continuous insulation and waterproofing to the foundation, additional layers of building wrap paper on the walls and roof, waterproofing on the roof, and a three-coat

ponents that contain no urea-formaldehyde emitting materials. Every faculty office includes an operable window to bring in natural light and fresh air. "The lighting design reduced the energy loads

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stucco system embedded with mesh.

Those elements also earned points toward the U.S. Green Building Council's Leadership in Energy and Environmental Design "certification" level. Other innovative elements include interior com-

as well," Kanzler added.

The site contained an extensive amount of rock, topped with soil that could not support the load. The university is built on a former quarry. Nearby buildings and high-tension wires >>

Key Players

Owner: Montclair State University, Montclair, N.J.

General Contractor: Terminal Construction, Wood Ridge, N.J.

Supplementary CM Services: TDX Construction, New York, N.Y.

Architect and Structural Engineer: S/L/A/M Collaborative, Glastonbury, Conn.

Civil Engineer: Yu & Associates, Elmpark, N.J.

Concrete: Forsa Construction, Little Ferry, N.J.

Structural Steel: Stone Bridge Iron & Steel, Gansevoort, N.Y.

Mechanical: Binsky & Snyder Services, Piscataway, N.J.

Electrical: Bullet Electric, Hackensack, N.J.



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