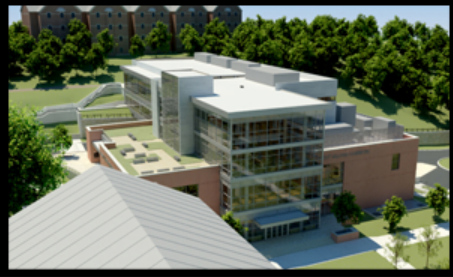




WEST VILLAGE COMMONS

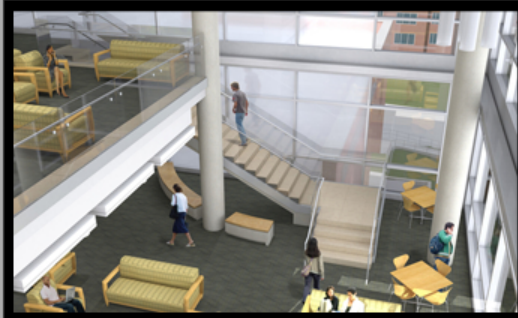
TOWSON, MARYLAND



UNIVERSITY MASTER PLAN

Planning Principles

- A. Build Maryland's Metropolitan University
- B. Develop the campus to the responsible capacity of the land
- C. Create a compact, connected and comprehensible campus
- D. Develop a more sustainable campus
- E. Define clear edges and centers



ARCHITECTURE

Features

- Full amenity student commons
- Daylit study lounge
- Natural pathway entry to each floor
- Outdoor roof garden overlooking campus
- Signature entrance to the west side of campus.

BUILDING STATISTICS

Size

- 86,339 sq. ft.

Cost

- \$30,528,000

Levels

- 5 levels, 4 above grade

Construction Dates

- July 15, 2009 to May 31, 2011

Delivery Method

- Design-Bid-Build

Minimal Rating of Leed Silver

ELECTRICAL

Substation

- Single ended provided inside the building

Emergency Power

- 1) 150 KW Natural Gas Generator
- 2) Quick connection available for rental generator up to 2000 KW

Primary Building Circuit

- 480/277V, 3 phase system

Secondary System

- 208/120V, 3 phase system
 - Transformers located throughout the building.

MECHANICAL

Air Handling Units

- 5 Rooftop units serve floors 2-4.
- 2 Modular units serve the kitchen and first floor

Cold Water System

- 300 ton rated chiller and cooling tower.

Hot Water System

- 2 Gas Fired 3,000 MBTU/hr

STRUCTURAL

Foundation

- Spread footing on natural soil Rammed Aggregate Piers and compacted fill.

North Wing

- Concrete columns and beams and bearing walls support reinforced concrete slabs.

South Wing

- Steel beams extend from the footers to support the bridge.

Bridge

- Steel Beams span the bridge and provide transition from the concrete columns to steel columns.

PROJECT TEAM

Architect:

GWWO Inc./Architects

Civil Engineer:

Site Resources

Construction Manager:

Barton Malow

Food Service Consultant:

Ricca Newmark Design

Geotechnical Engineer:

Schnabel Engineer

Interior Design Consultant:

PLDA

Landscape Architect:

Mahan Rykiel Associates

Lighting Designer:

Bruce Dunlop Lighting Design

MEP Engineers:

James Posey Associates

Structural Engineer:

Restl Design



PATRICK MORGAN

Lighting/Electrical Option

<http://www.engr.psu.edu/ae/thesis/portfolios/2011/pmm5040>