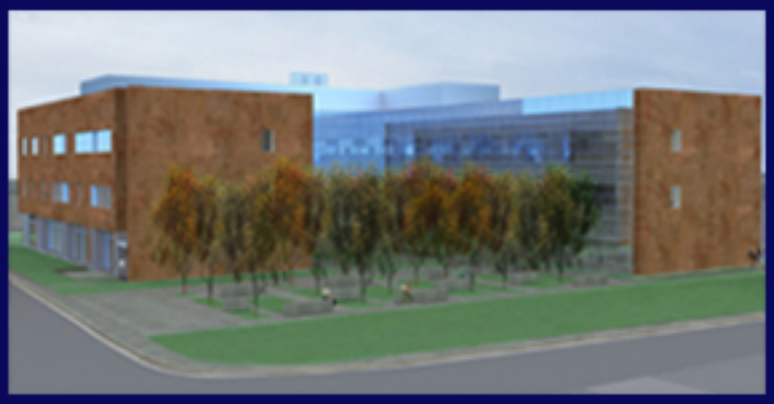
Nassau Community College
Life Sciences Building



Building Information

- Location: Garden City, New York
- Size: 72,400 sq. ft.
- Occupancy: Classrooms/Laboratories/Office
- Levels: 3, penthouse, basement
- Cost: $30 million
- Construction Dates: March 2010 - January 2012
- Delivery method: Single Prime Contract

Project Team

Owner:	Nassau Community College
Architect:	Cannon Design
Structural:	Cannon Design
Mechanical:	Cannon Design
Electrical:	Cannon Design
Plumbing/fp:	AMA Consulting Engineers., P.C.
AV:	CMS Innovative Consultants
Site/Civil:	Dvirka & Bartilucci Consulting Engineers
Landscape:	Michael Michel, ASLA
Code:	Code Consultants, Inc.
IT/Security:	TM Technology Partners, Inc/
Acoustical:	Cerami & Associates, Inc.

Architecture

- Exterior Façade: copper rainscreen panels, porcelain stone tiles and clear, low-e, insulated glass.
- Penthouse exterior: corrugated anodized aluminum and painted frameless metal powder coated louvers
- Architectural canopies over entrances

Structural

- Lateral foreces resisted by a moment frame on the west and east exterior walls and a braced frame on the north and south exterior walls.
- foundation is a combination of slab-on-grade for west wing and spread and wall footings for the remaining
- typical beam size is a W24X55
- Composite deck system with 6 1/4”, 3000 psi concrete.

Mechanical

- Central Utility Plant provides campus lhigh temperature hot water and chilled water loops in primary/secondary system.
- (1) 100% outdoor air system serving the chemistry labs. (2) AHU’s in a variable air volume system serving the basement, 1st and 3rd floors.
- Heat recovery run-around loop from lab exhaust fans to 100% outdoor air system for energy savings.

Electrical

- (2) Indoor 1500 kVA substations stepping 13.8 kV down to 480Y/277V.
- (3) secondary transformers on each floor dropping to 208Y/120V.
- 500 kW/625 kVA emergency generator providing 480Y/277V, 3-phase power to fire protection system, emergency lighting, penthouse, and critical laboratory loads.