LERA
Consulting Structural Engineers

LESLIE E. ROBERTSON ASSOCIATES
NEW YORK | MUMBAI | SHANGHAI

LERA

Consulting Structural Engineers

NEW YORK

40 Wall Street, 23rd Floor
New York, NY 10005
Tel: (212) 750-9000
Fax: (212) 750-9002

MUMBAI

The Ruby, North Wing, 23rd Floor
29, Senpati Bapat Marg, Dadar (W)
Mumbai 400 028
Maharashtra INDIA
Tel: +91-22-2437-6001

SHANGHAI

Suite 2203, Jingan China Tower
1701 West Beijing Road
Shanghai 200040 CHINA
Tel: +86-21-6136-3996
Fax: +86-21-6136-3995

LERA Structural Consulting Engineers
STATEMENT OF QUALIFICATIONS

Firm Profile

LERA is a 120-person M/WBE firm providing structural engineering services to architects, owners, contractors, and developers. Established in 1923, we have designed numerous landmark projects, both nationally and internationally. Our long tradition of innovative design and our advances in technology have brought us to the forefront of the engineering profession.

With a reputation for design excellence, we work closely with all members of the owner, consultant, and construction teams to design projects of the highest quality. Our dynamic partnership and group of highly motivated individuals design economical, constructible, and cutting edge structures.

Our project portfolio includes residential towers, mixed-use developments, offices, government buildings, and healthcare, cultural, and educational facilities. The firm has accomplished unique, award-winning designs in concrete, steel, and wood. We have provided designs for new buildings and master plans, as well as renovations to existing structures. Our services include condition and feasibility studies, peer reviews and forensic consulting.

Headquartered in New York City, LERA also operates branch offices in Mumbai, India and Shanghai, China.

HIGHER EDUCATION EXPERIENCE

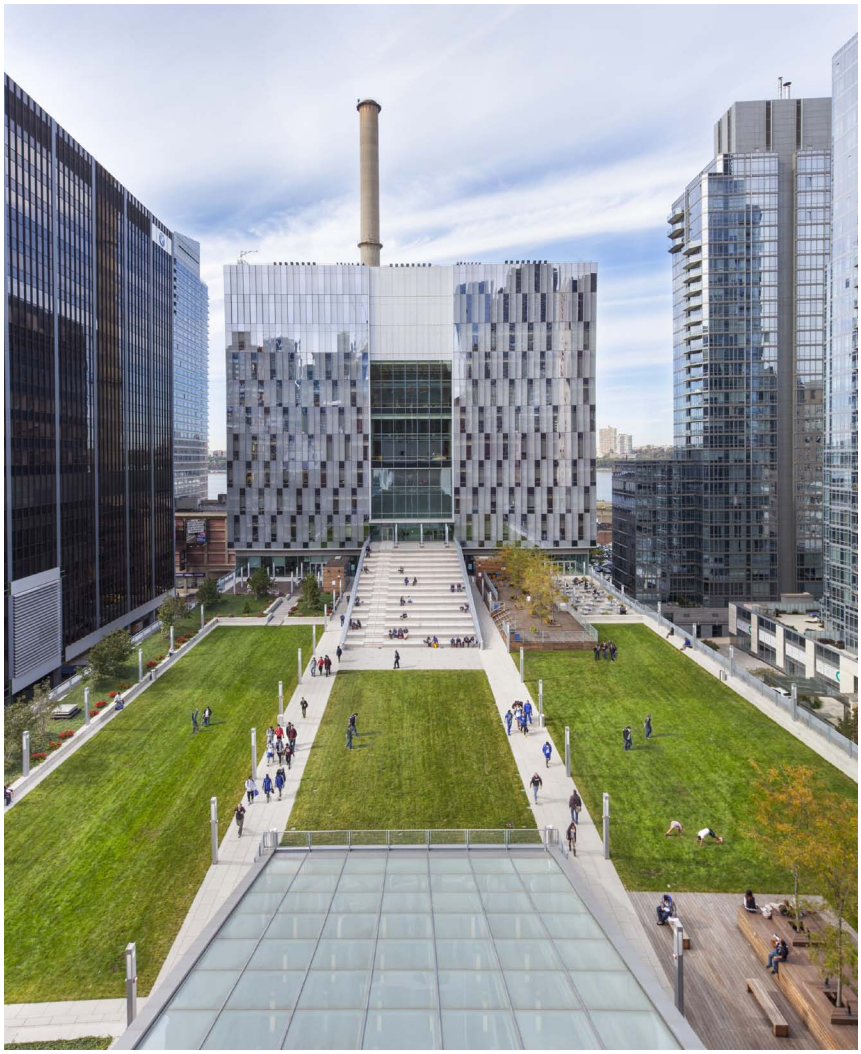
Our proposed staff for the SUNY Binghamton Pharmacy School all have extensive experience working with the SUCF, and have each completed numerous higher education and healthcare projects.

LERA has extensive experience in the design of the entire spectrum of facilities for state and city agencies including SUCF, SUNY, DASNY, and CUNY. In addition, LERA has completed projects for New York University, Dormitory Authority of New York, Cornell University, Columbia University, Princeton University, Rockefeller University, and Massachusetts College of Art and Design. Projects include: libraries, healthcare, research, and laboratory facilities, classrooms, science centers, multi-story residential facilities, dormitories, auditoriums, and fine arts/performing arts facilities. LERA has provided masterplanning services and designed completely new facilities as well as renovations to existing buildings.

LERA has considerable experience in the design of renovations and additions to existing buildings. Our services range from planning, condition and feasibility studies to construction documents for major alterations or expansions. Projects include condition surveys, inspection of curtain walls, and repairs to structures in distress.

JOHN JAY COLLEGE, ACADEMIC BUILDING I
CITY UNIVERSITY OF NEW YORK

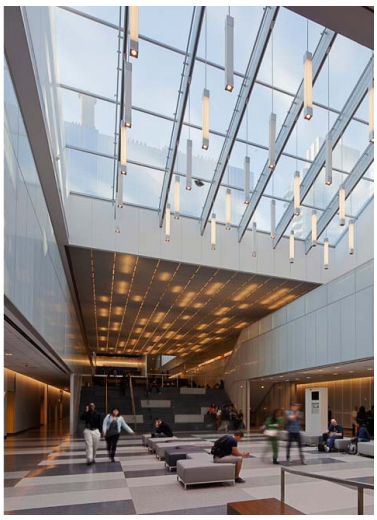
New York, NY



Designed to meet LEED-Silver criteria, the new Academic Building occupies the entire block bounded by Tenth and Eleventh Avenues, between 58th and 59th Streets. Replacing an existing campus building, the facility connects to Haaren Hall by an overhead walkway spanning Amtrak rail lines at Eleventh Avenue. Envisioned as an "academic city within a city," it houses 80% of the College's classrooms and increase campus space by 36%.

This 620,000-sf (57,600-sm) multi-use project houses classrooms, research laboratories, faculty offices, auditoriums, cafeterias and social spaces including a centrally-located Commons roof area.

A complex foundation system, comprised of drilled-in caissons and cast-in-place concrete piers, was devised in order to accommodate existing Amtrak rail lines. The building structure is isolated from airborne vibrations caused by train traffic. Site gradation allows the formation of a basement level housing mechanical and storage spaces and back-of-house functions. Perimeter hangers, supported by a grid of trusses at the roof level, are integral to the design of long span framing and cascade stairs. Additional vibration analysis was performed for laboratory areas.



Construction Cost $352 million
Completion Date 2011

Owner
Dormitory Authority of the State of New York
Narinder Sarin | Chief Project Manager (DASNY)
Phone: 212-262-3017

Architect
Skidmore, Owings & Merrill

LERA Team
Jason B. Stone | Senior Associate, Project Director

MEDICAL EDUCATION BUILDING
COLUMBIA UNIVERSITY MEDICAL CENTER

New York, NY

A new 14-story, 99,000-sf (9,200-sm) medical education building will create a community of students and facility from all four CUMC schools (P&S, Nursing, Dental Medicine and the Mailman School of Public Health) as well as the biomedical departments of the Graduate School of Arts and Sciences. The facility will aim to achieve LEED Gold certification and incorporate technologically advanced classrooms, collaboration spaces, and a modern simulation center.

A fiber reinforced polymer (FRP) system was designed to reinforce the existing concrete garage structure to support the new loading from the green roof.

Construction Cost $77 million
Completion Date Active

Owner
Columbia University

Architect
Lead Designer - Diller Scofidio + Renfro
Executive Architect - Gensler

SCHOOL OF BUSINESS
STATE UNIVERSITY OF NEW YORK

Albany, NY

The School of Business is a new learning center approximately 100,000 gsf (9,500 gsm). The facility contains classrooms, conference spaces, faculty and support offices, multiple atriums and a sunken garden.

Construction Cost $35 million
Completion Date 2013

Owner
State University Construction Fund

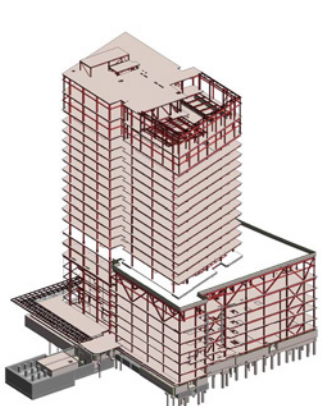
Architect
Perkins + Will

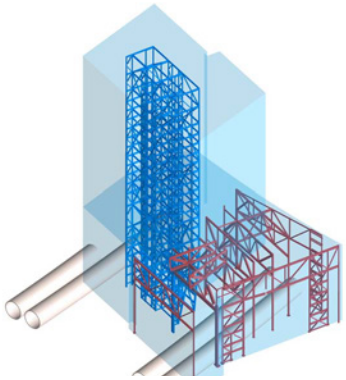
Awards
World Architecture Festival Finalist

KIMMEL PAVILION
NYU LANGONE MEDICAL CENTER

New York, NY

The new Kimmel Pavilion creates an 830,000-sf (77,110-sm) state-of-the-art, integrated environment for inpatient and procedure-based care for the NYU Langone Medical Center. The new building will connect at various floors with the existing Tisch University Hospital building, and will function as an extension and expansion of many of the existing programs within Tisch and on the NYULMC campus.





Construction Cost Not Available
Completion Date Under Construction

Owner
NYU Langone Medical Center

Architect
Ennead Architects in Association with NBBJ

TEMPLE UNIVERSITY LIBRARY

Philadelphia, PA

LERA is the structural engineer for the new 210,000-square-foot library at Temple University. The design includes block long building with a large front arch, a green roof, and an outdoor balcony offering cross-campus views. The library will feature quiet study and reading spaces, larger meeting rooms, and areas for special events and technology-related activities such as data visualization and 3-D printing. The library will utilize a state-of-the-art "robotic text-retrieval system". The system will include about two million volumes, stored in bins stacked three stories high. This opens up program space for other functions in the core of the library.

Completion Date Active

Owner
Temple University

Architect
Snohetta

ADVANCED SCIENCE RESEARCH CENTER
CITY UNIVERSITY OF NEW YORK

New York, NY

A new Science Research and Training Facility to be located at the City College Campus on Convent Avenue in Harlem. The new, stand-alone facility will be built in two phases. Phase I will consist of 190,000-gsf (18,000-gsm), and support high-end research in key and emerging science disciplines including photonics, nanotechnology, water and environmental sensing, structural biology, and neuroscience.

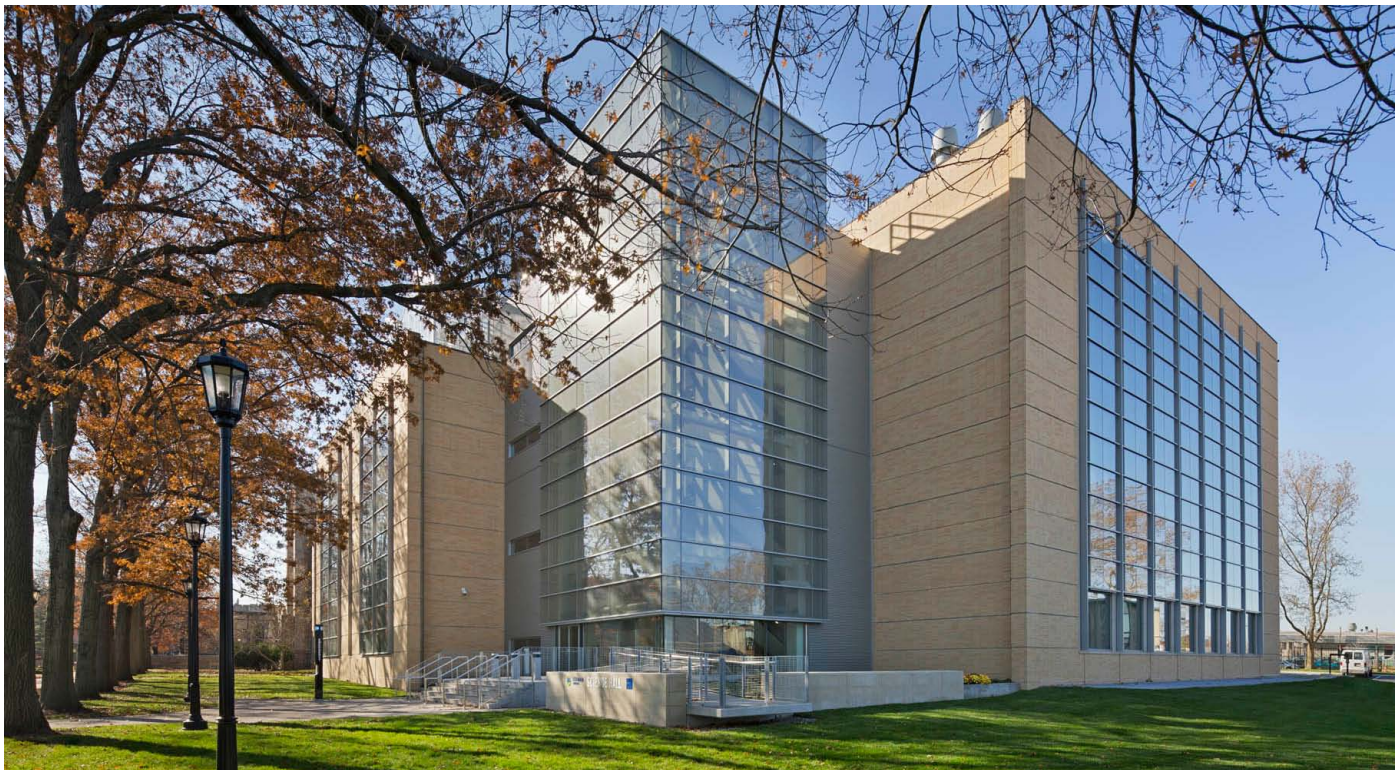
Construction Cost $400 million
Completion Date 2014

Owner
Dormitory Authority of the State of New York
City University of New York,

Architect
Flad Architects
Kohn Pedersen Fox - Associate Architect

LEHMAN COLLEGE SCIENCE FACILITY
CITY UNIVERSITY OF NEW YORK

New York, NY



The new Science Building for Lehman College creates an important presence on campus and a gateway to the sciences. The entry is defined by a multi story glass atrium linking graduate and undergraduate wings. A central courtyard features a constructed wetland that serves as a model of urban biotecture. The facility has been certified LEED Platinum and was the first LEED certified building in the City University of New York.

This project consists of a 69,000-sf (6,400-sm) learning facility. The building is intended to serve as a "campus within a campus" containing laboratory, teaching, and administrative functions, and render the sciences more accessible to a broader community.

Construction Cost $60 million
Completion Date 2012

Owner
Dormitory Authority - State of New York; The City University of New York

Architect
Perkins & Will

NEW ACADEMIC BUILDING
SCHOOL OF PUBLIC HEALTH
STATE UNIVERSITY OF NEW YORK | DOWNSTATE

Brooklyn, NY

The new Academic Building for the School of Public Health at SUNY Downstate is a 115,000 sf (10,700 sm) facility that serves Brooklyn's only academic medical center. The project will include healthcare simulation centers, research center laboratories, classroom, data center, and administrative space.

Construction Cost $74 million
Completion Date Under Construction

Owner
SUNY Downstate Medical Center

Architect
Ennead Architects

WESTCHESTER COMMUNITY COLLEGE STATE UNIVERSITY OF NEW YORK

Valhalla, NY

The Gateway Center functions as a unique resource on the campus, housing the college's Business Programs, Professional Development Center, and multi lingual programs. The facility creates new, dynamic opportunities for student growth and collaboration. This 70,000-sf (6,500-sm) project consists of three new buildings. The Gateway, a large and open volume serving as a lobby, is flanked by two buildings which house classrooms, offices, an auditorium, student lounge and a cafeteria. The Gateway's unique structural design consists of architecturally exposed, stackable steel "boxes," which were prefabricated and bolted together on site.

Landscaping work for the campus included a steel bridge that crosses the Gateway and links the three campus buildings A. The site is further distinguished by a 65-foot (20-m) tall steel tower, which is lit at night to serve as a beacon for the campus. This facility received a LEED Gold rating.

Construction Cost $33 million
Completion Date 2010

Owner
State University of New York; Westchester Community College

Architect
Ennead Architects

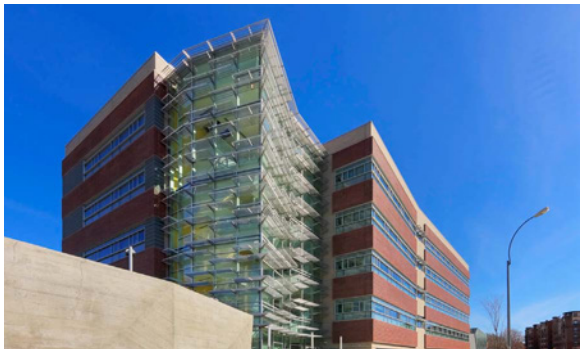
Awards
National Winner, AISC Ideas2 Award (2011)
Excellence in Structural Engineering, SEAoNY (2011)

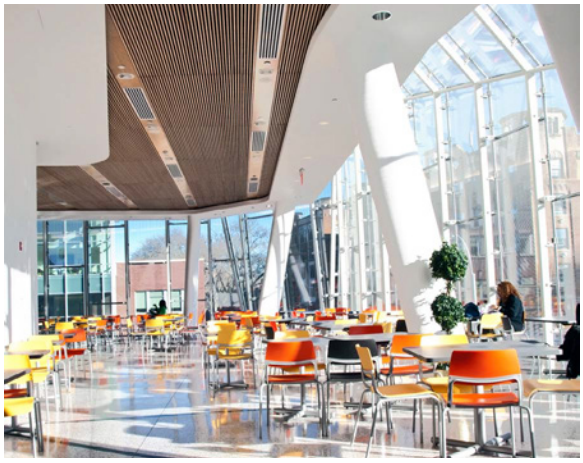
MEDGAR EVERS COLLEGE, ACADEMIC BUILDING I
CITY UNIVERSITY OF NEW YORK

Brooklyn, New York

Located in the Crown Heights section of Brooklyn, Medgar Evers College is noted for engaging the community in which it is sited. Its academic offerings are comprised of a range of science, business, and liberal arts programs. Academic Building I enriches the campus through providing new laboratory and learning facilities.

This 195,000 sf (18,000 sm) project consists of a 6-story academic facility containing laboratories, classrooms, offices and support spaces. In addition, Academic Complex I features four teaching labs and a hospital simulation room for the Nursing Program, and five labs for Molecular Biology, Anatomy, Physiology, Microbiology and General Biology.





Construction Cost $243 million
Completion Date 2010

Owner
Dormitory Authority - State of New York

Architect
Ennead Architects

BUFFALO LIFE SCIENCES COMPLEX
STATE UNIVERSITY OF NEW YORK

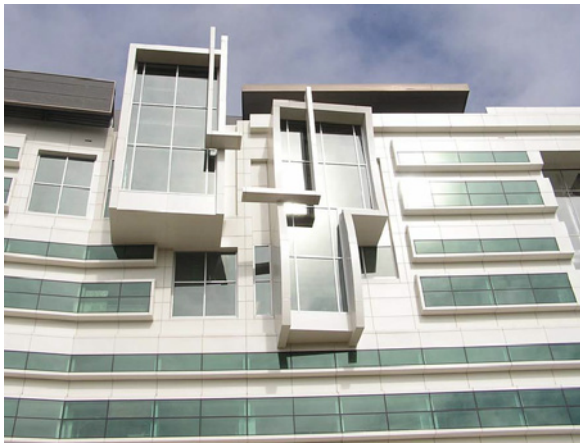
Buffalo, New York

The goals for the Buffalo Life Sciences Complex were many due to its multiple constituencies. State governmental officials sought to create a life science industry and economy for the Buffalo and Niagara region.

Research partners Roswell Park Cancer Institute and the University of Buffalo desired a unique facility that would meet the needs of collaborative research and serve as a potent tool for recruiting international researchers to their staff.

The project's design accommodates user needs in two separate, yet conjoined facilities. Unique facades distinguish the two buildings.

This 329,000-sf (32,000-sm) project consists of a combined facility that includes a new research building for Roswell Park Cancer Institute and a new Bioinformatics Building for the University of Buffalo. Research is conducted in the areas of genetics, pharmacology, therapeutics; as well as super-computing and workforce development. Designed to meet LEED Silver criteria, the building incorporates high efficiency lighting, heat recovery systems, and an EnergyStar roof.



Construction Cost $80 million
Completion Date 2006

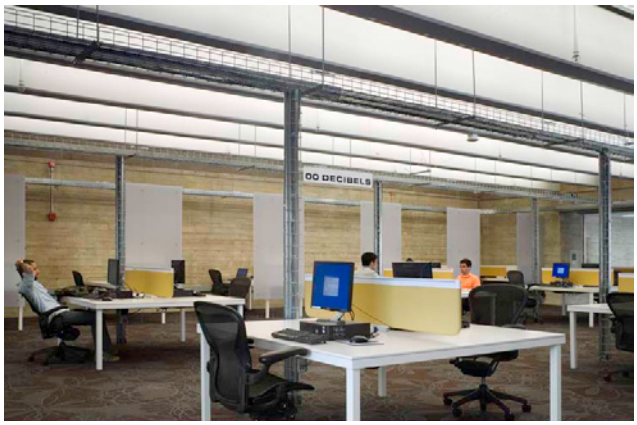
Owner
Dormitory Authority of the State of New York

Architect
Francis Cauffman

BROWN UNIVERSITY
FRIEDMAN STUDY COMMONS

Providence, RI

The Friedman Study Center is located inside Brown's Sciences Library. The project consisted of a 37,000-sf (3,400-sm) renovation to create new study spaces, a cafe and an information commons. The Friedman Study Center is organized around study activities and their corresponding noise volumes. Several micro environments, each furnished with a distinct identity. Brightly colored furniture and vivid patterns refer to the existing building's 1960's debut.



Construction Cost	$2 million
Completion Date	2007
Owner	Brown University
Architect	Architecture Research Office

CORD BLOOD FACILITY
STATE UNIVERSITY OF NEW YORK | UPSTATE

Syracuse, NY

This project consists of a new two-story building, approximately 23,000-sf. This new cord blood facility houses a laboratory and a cord blood bank for New York City and upstate New York. The cord blood is for use in stem cell research and treatment.

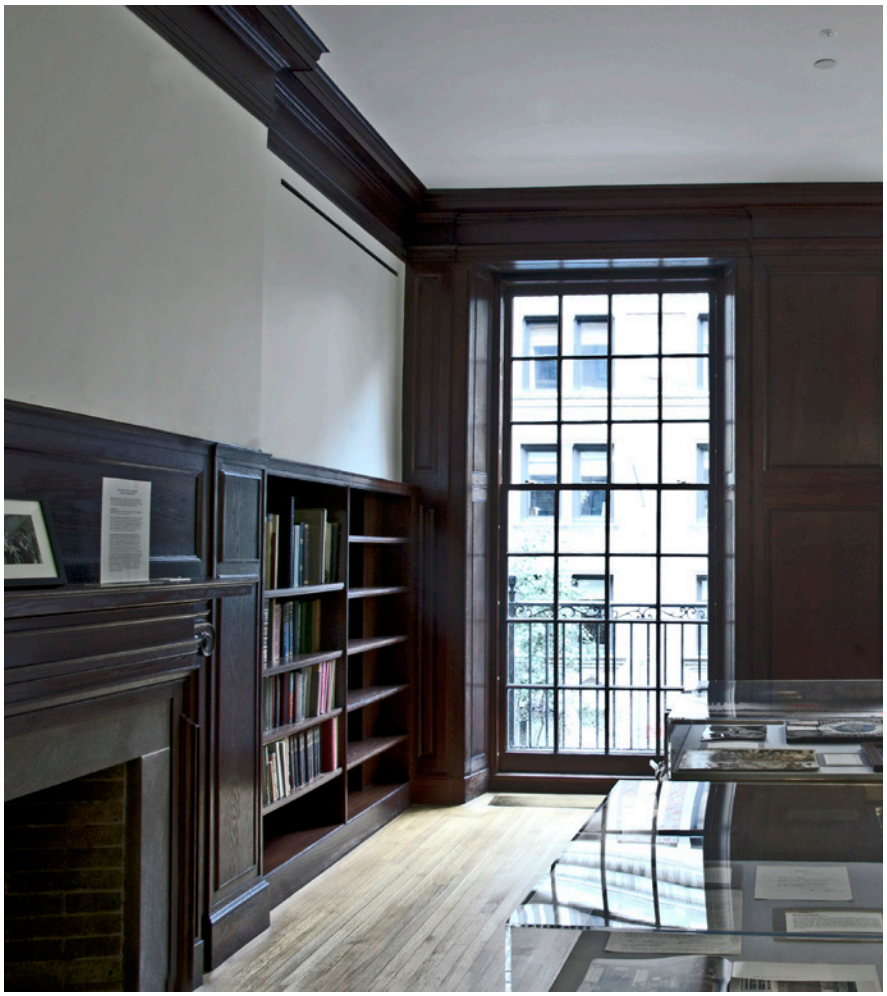
Construction Cost $6 million
Completion Date Active

Owner
SUNY Upstate Hospital

Architect
Francis Cauffman

SARA DELANO ROOSEVELT HOUSE RENOVATION
CITY UNIVERSITY OF NEW YORK AT HUNTER COLLEGE

New York, NY



Listed on the National Register of Historic Places, the Sara Delano Roosevelt House was constructed in 1907 as a home for Franklin and Eleanor Roosevelt. The 20,000-sf (1,900-sm), six story high, building was donated to Hunter College in 1942. LERA renovated the facility to accommodate Hunter College's new Public Policy Institute, which contains state-of-the-art academic conference and lecture uses.

Project features include façade restoration, new elevator and stairs, mechanical/ electrical systems upgrade; and an addition that creates a large, double-height lecture hall for up to 100 people.

Construction Cost $20 million
Completion Date 2010

Owner
Dormitory Authority -
State of New York; City University of New York

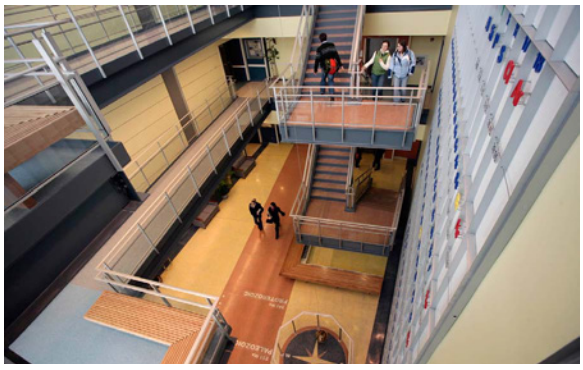
Architect
Ennead Architects

INTEGRATED SCIENCES BUILDING
STATE UNIVERSITY OF NEW YORK

Geneseo, New York

The State University of New York at Geneseo has a long-standing presence as a learning institution in the western New York region. The university required a facility which would not only improve on its aging infrastructure, but would also propel this already recognized institution to the next level of science and research. With the opening of the Integrated Sciences Building, SUNY Geneseo has since increased its standing among the nation's highly selective liberal arts colleges by enrolling the most academically qualified class in its history.

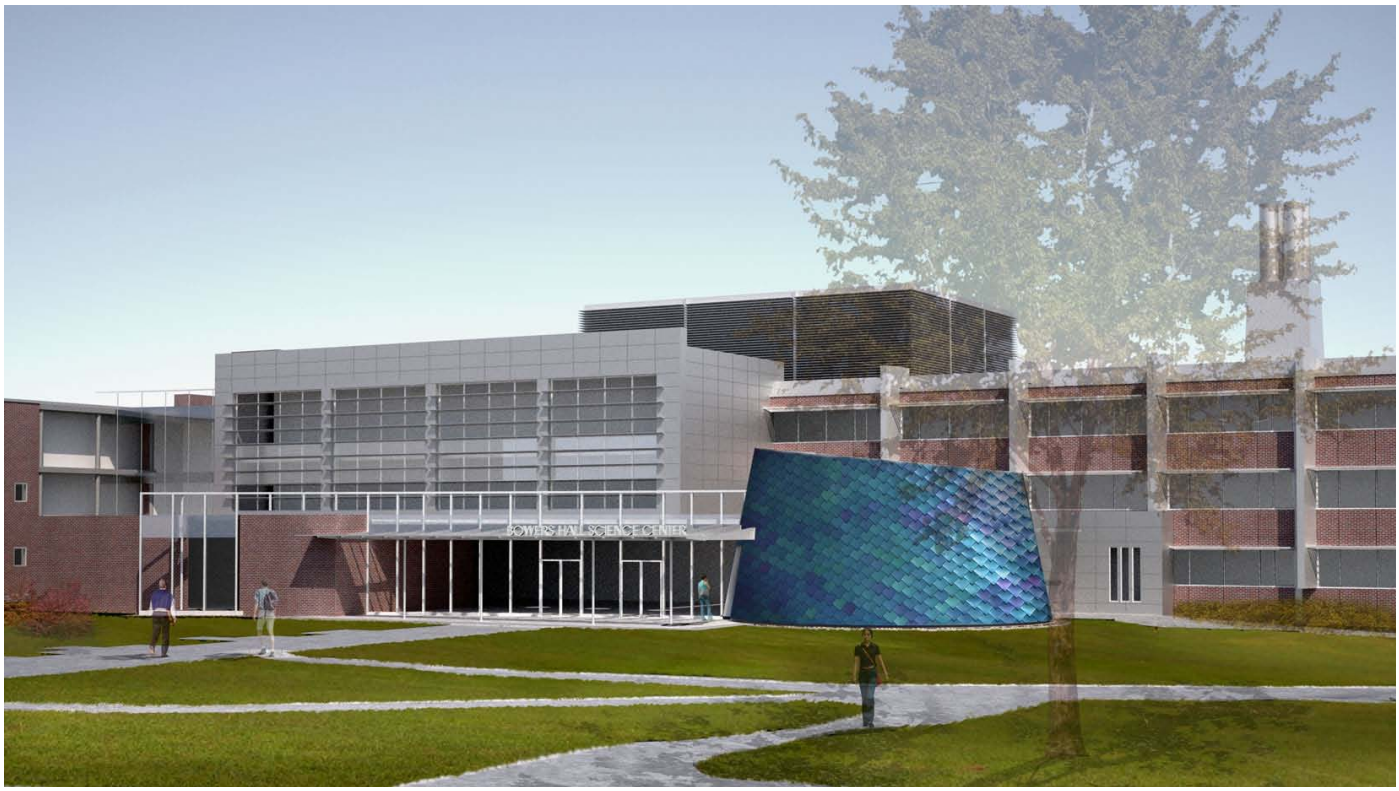
The project consists of a 5-story, 105,000-sf (9,750-sm) facility containing classrooms, offices, and advanced laboratory facilities for chemistry, geology, biology and physics. The project also encompasses the renovation of Green Hall, an existing 40,000-sf (3,700-sm) science building.



Construction Cost	$33 million
Completion Date	2006
Owner	State University Construction Fund
Architect	Hellmuth, Obata & Kassabaum

BOWERS HALL RENOVATION
STATE UNIVERSITY OF NEW YORK

Cortland, NY



This 108,000-sf (10,000-sm) project consists of a renovation of an existing science facility, and the addition of a new structure that will enhance campus learning facilities. The facility will be designed to achieve LEED Silver criteria.

Construction Cost $23 million
Completion Date Under Construction

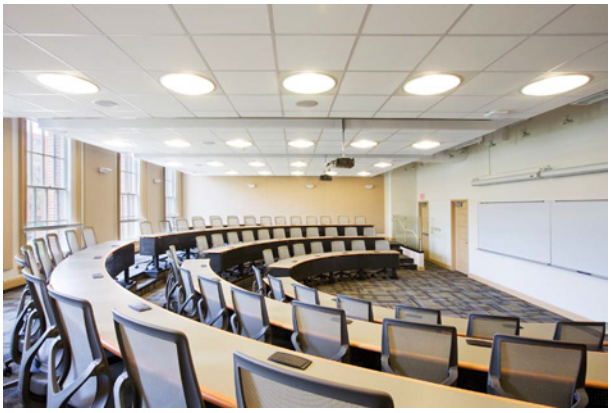
Owner
State University Construction Fund

Architect
Zimmer Gunsul Frasca

REHABILITATION OF HUSTED HALL
STATE UNIVERSITY OF NEW YORK

Albany, NY

A major renovation and conversion was completed on the Husted Hall, a historic building in the SUNY Albany Downtown Campus, from a mixed-use office administration building to a technology oriented classroom/office conference center building. The project includes renovation of the existing kitchen/dining facility in the basement, relocation of elevator and egress stairs, new skylights and multi-story light wells, and the conversion of attic space into a new mechanical room. Additionally, the project includes significant mechanical infrastructure upgrades to the adjacent Richardson Hall mechanical plant.



Construction Cost $14 million
Completion Date 2009

Owner
State University Construction Fund;
State University of New York

Architect
Perkins Eastman

SCHOOL OF ARCHITECTURE
PRINCETON UNIVERSITY

Princeton, NJ

Two stories of the School of Architecture was completely renovated and a new addition was added to modernize the facility. The program includes egress improvements, and the addition of new stairs, elevators and ramps required for ADA compliance. Newly created public spaces include a double-height lobby and student lounge suspended from the roof of the existing building.

Construction Cost $1.5 million
Completion Date 2007

Owner
Princeton University

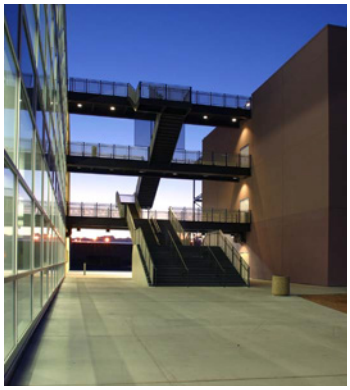
Architect
Architecture Research Office

COMMUNITY COLLEGE OF SOUTHERN NEVADA SCIENCE CENTER (CCSN)

Las Vegas, Nevada

This science and community outreach center has formed the core of the Community College's expanding sciences curriculum. "It's nice to finally have a place to call home," astronomy professor David Batchelor said. "These classrooms and labs are gold to the future of Southern Nevada."

This 75,000-sf facility contains 16 state-of-the-art teaching laboratories, 17 lecture classrooms, and a high-tech distance education studio. The building exhibits sustainable practices in architecture and the sciences. Most notably, the design limits the impact of the Las Vegas climate through the use of shading elements that minimize the daily heat gain of the facility.



Construction Cost $16 million
Completion Date 2003

Owner
Community College of Southern Nevada

Architect
Tate Snyder Kimsey Architects

FRIEND CENTER FOR ENGINEERING EDUCATION
PRINCETON UNIVERSITY
Princeton, New Jersey

With the need to expand and modernize the engineering school facilities, Princeton University decided to construct a new state of the art engineering building that could serve many purposes and yet fit within the current campus environment and the university's budget. The result is a building that evokes and yet contrasts with its neighbors to provide a new multi-dimensional learning facility for the engineers of tomorrow.

The 3 story, 65,000-sf building includes classrooms, the engineering library, faculty offices, computer clusters and a lecture hall. To the extent possible the building was designed to expose structural elements and serve as a full-scale illustration of engineering principles. Not a classic atrium, the structure floats within the architectural enclosure and features exposed moment frames, exposed structural frames, special connecting details and cantilevered staircases.

Construction Cost	$15 million
Completion Date	2001
Owner	Princeton University
Architect	Pei Cobb Freed & Partners