

## SAMPLING

### BOSTON UNIVERSITY - BOSTON, MASSACHUSETTS

*Talbot Building:* An 1876 brick and timber building, which was changed from a homeopathic medicine hospital to offices for Boston University's School of Public Health. The building was strengthened and modernized. Due to the age of the original structure, the investigation of existing conditions presented challenges in examining the structure and upgrading it to current Building Code standards.

*West Side Campus Dining - Claflin/Sleeper Hall:* Provided full structural design services for a one-story 2,500 square foot addition to the kitchen/dining area between Sleeper and Claflin Halls. The challenge of this project was to integrate the dining areas of two residence halls which were originally designed as separate men's and women's dormitories, each with its own dining facilities; they now share the dining space.

*Florence & Chafetz Hillel House:* This four-story structure on the banks of the Charles River is a steel framed, composite concrete floor building housing various spaces for Jewish students at Boston University. The building is a combination of steel concentrically braced frames and ordinary steel moment frames for lateral resistance. Braced frames were provided perpendicular to adjacent existing construction to reduce the size of an unsightly expansion joint. The lower floors are conventionally framed composite construction. The upper two floors are clear spans for dining, dancing and worship spaces and required additional analyses and details for vibration concerns.

*Student Services Center, Department of Financial Affairs 881 Commonwealth Avenue:* 11,000 square foot basement renovation project of the Boston University's Student Service Center included teller windows, lobby, offices, and support spaces.

*1010 Commonwealth Avenue, Brookline:* Renovation of an existing industrial building and a 4,000 square foot addition in the front. A primary goal was to make the building sympathetic to the residential neighborhood behind it and to the busy street it fronts. 1010 Commonwealth has 13,000 square feet of retail space on the first floor, 37,000 square feet of office space, and thirty parking spaces below ground.

*School of Hospitality Administration:*

Interior renovations to this three-story building and the conversion from commercial space to classrooms, lecture halls, and offices.

*School of Law Lecture Hall Sixth Floor Classroom:* Renovation of two lecture halls in the School of Law featuring U-shaped, tiered seating arrangement. The hall also features platform seating, computer network terminals at each seat, video interface with the lecturer's computer from the podium, and barrier-free access.

*Vice President for Financial Affairs Office Suite, 881 Commonwealth Avenue:* 12,000 square foot renovation of 881 Commonwealth Avenue's fourth floor included executive offices, reception, conference room, a centralized administrative area and miscellaneous support spaces.

*School of Theology Library:* 20,000 square foot library renovation for Boston University's School of Theology. The completed project increased the book stack capacity without modifying the building structure, simplified student and faculty circulation, centralized the administration areas, and incorporated a new student study area.



Boston University's Talbot Building  
Boston, Massachusetts  
Photo by Peter Vanderwarker



Boston University's Florence & Chafetz Hillel House  
Boston, Massachusetts  
Rendering by Steffian Bradley



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### BABSON COLLEGE - BABSON PARK, MASSACHUSETTS

*Athletic Facility:* Design the addition of a new second floor within an existing building.

*Knight Hall:* Replace corroded beams in the boiler room.

*Trim Hall:* Roof top unit structural support design.

*Kriebel Hall:* Visit the site and provide a letter report on the demolished corridor wall.

### BOSTON BAPTIST COLLEGE - MILTON, MASSACHUSETTS

Two-story wood framed dormitory building for a small private college. At the request of the project's Architect, interior shear walls were constructed with metal stud framing for acoustical reasons. Additionally, Simpson's Anchor Tiedown System (ATS) was used for overturning restraint of the shear walls.

### BRANDEIS UNIVERSITY - WALTHAM, MASSACHUSETTS

*Charles River Apartments:* Structural consultant for installation of new MEP openings and holes through precast structure.

*Goldfarb/Farber Library:* Analysis of floor for library bookstack floor loading.

*Kutz Hall:* Feasibility study for new 3-story addition.

*Laurie Theater:* Structural evaluation of lighting and sound grid.

*Rosenstiel Center:* New mechanical room addition and entrance.

*Shapiro Center:* Design of foundation walls.

*Sherman Dining Hall:* Renovations to the dining hall.

*Slosberg Hall:* Design of new mechanical room addition.

*Spingold Theater:* Balcony extension and new stair.

*Usdan Student Center:* Design of roof top mechanical support steel framing.

*Usen Castle Tower:* Rehabilitation of an eight foot diameter, 50 foot high stone tower off the side of Usen Castle. Redesign consisted of fabrication of a new steel frame and reattachment of all original stone elements.

*Women's Studies Research Center (Epstein Building):* Tenant fit-out and new mechanical chillers on roof, requiring reinforcing of the existing steel roof trusses.

### COLUMBIA UNIVERSITY, FORRESTAL SHELVING FACILITY

#### PLAINSBORO TOWNSHIP, NEW JERSEY

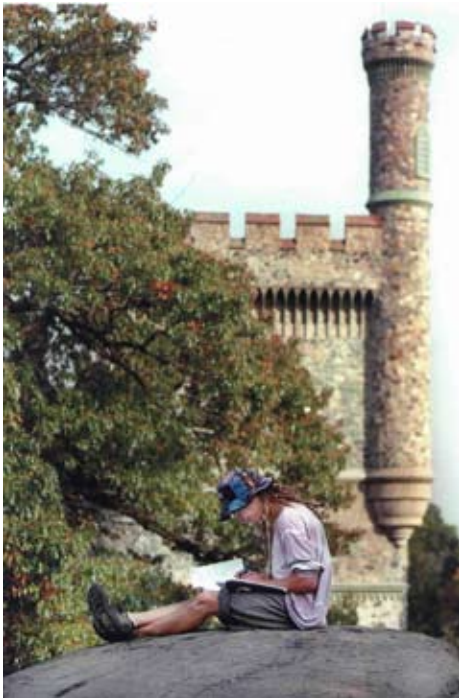
Structural design for this new 70,000 square foot high-density library materials depository facility for use by Princeton University, Columbia University, and New York Public Library. The new facility is comprised of three storage modules made of concrete masonry unit construction. Concrete masonry single-wythe walls met the building's load bearing requirements and provided an attractive exterior finish. The modules are designed to preserve the stored materials and each individual module can store more than two million books.

### CORNELL UNIVERSITY LIBRARY STORAGE FACILITY - ITHACA, NEW YORK

Structural design for the addition of three storage modules each consisting of 10,000 square feet to the existing facility.

### CURRY COLLEGE - MILTON, MASSACHUSETTS

Structural design for the addition to the existing administration building.



Brandeis University - Usen Castle Restoration  
Waltham, Massachusetts

## SAMPLING

### EMMANUEL COLLEGE - CUSHING LIBRARY - BOSTON, MASSACHUSETTS

New elevator's new stairs and infill of existing elevator shaft. Design roof top unit roof screen and dunnage steel; and redesign and check elevator penthouse and existing roof framing for brick veneer.

### FITCHBURG STATE COLLEGE - FITCHBURG, MASSACHUSETTS

Structural House Doctor

### GORDON COLLEGE - FROST HALL - WENHAM, MASSACHUSETTS

A Chapter 34 structural evaluation was performed to outline the existing conditions and to provide an opinion of the requirements of the Code based on the proposed alterations for this project. Our report also outlined the specific consequences of the actions related to the proposed alterations and the structural modifications that may need to be accounted for in future Contract Documents to address these consequences and bring the total structure into compliance with 780 CMR, Sixth Edition (Code).

### HARVARD UNIVERSITY

#### CAMBRIDGE, MASSACHUSETTS

*Annenberg Hall:* Feasibility study for structural impact on proposed elevator and stair renovations.

*Cabot Pforzheimer House:* Renovations to the servery and kitchen at this dining hall.

*Currier House:* Renovations to the servery and kitchen at this dining hall.

*Concord Field Station:* Addition.

*Dining Halls:* Feasibility study for the renovation of kitchens and serveries for 6 undergraduate houses.

*Greenhouse Café:* Review of proposed mechanical penetrations and review of architectural renovations to address miscellaneous structural issues.

*Kirkland House:* Sprinkler installation and coring at the intermediate landing.

*Northwest Laboratories:* Design of temporary shoring of existing structure to accommodate erection of new structure including drawing and visits to site if required.

*Harvard Faculty Club:* New basement and foundation work for a new conservatory.

*Mather House:* Dining hall renovations.

*Nieman Foundation for Journalism:* Expansion of the Walter Lippmann House.

*Quincy House Dining Hall:* Miscellaneous structural openings, ramps, slab infills, and alteration for new mechanical systems.

*West Quad:* Electrical vault earth retention system.

### HARVARD UNIVERSITY, OFF-CAMPUS SHELVING FACILITY

#### SOUTHBOROUGH, MASSACHUSETTS

New masonry block structure with steel joist and roof deck. Designed to maintain strict guidelines for climate control and fire protection for storage of valuable research papers, publications, rare books, etc. Accessible through university facilities using automated retrieval system. The facility is designed for future storage pods of equal size including expansion of servicing areas.

### LESLEY COLLEGE - WHITE HALL - CAMBRIDGE, MASSACHUSETTS

Conducted a feasibility study of the existing four-story brick clad "L" shaped concrete frame building built in the late 1950's to determine the possibilities of adding one or two stories to increase dormitory space for the college.



Tufts University - 6 Levels Parking  
1 Level Office Space  
Medford, Massachusetts

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MOUNT WACHUSETT COMMUNITY COLLEGE - GARDNER, MASSACHUSETTS  
Structural House Doctor

QUINSIGAMOND COLLEGE - WORCESTER, MASSACHUSETTS  
Structural House Doctor

TUFTS UNIVERSITY GARAGE - MEDFORD, MASSACHUSETTS  
Structural design of a seven-story building on the Medford portion of the main campus involving new construction of six levels of parking (210,000 s.f., 530 spaces) and one level of office space (30,000 s.f.) A 150-foot long pedestrian bridge provided direct access from the campus to the seventh floor offices.  
*This project received the National Design-Build Excellence Award from Design-Build Institute of America*

UNIVERSITY OF MASSACHUSETTS - DARTMOUTH, MASSACHUSETTS  
The project consisted of a three-story addition to the existing Science/Engineering Center. As a result of the addition, the useable floor area was increased by one-hundred percent. Designed by Whitney Atwood Norcross and Paul Rudolph (who designed the original center). This expansion involved a fully cast-in-place concrete frame with board-formed and textured finishes.

WELLESLEY COLLEGE - WELLESLEY, MASSACHUSETTS  
*Founders Hall:* Renovations to this building which was constructed in 1918. The building consisted of 17 classrooms and 102 offices. Renovations were needed to increase classroom space to prevent overcrowding.  
*Lake House:* Chapter 34 analysis and report; structural contract documents; and construction administration for miscellaneous structural items (new elevator shaft, lintels, headers, etc.) associated with the building renovations.  
*Pendleton Hall:* Design development completed for interior renovations to this classroom building. Renovations consisting of existing interior column removal, new elevator, and floor infill framing with updated mechanical systems and access compliance.  
*Stone Davis Hall:* Renovation of student dormitory and kitchen/servery. New elevators, entry, bathrooms, and room finishes. Renovation work included structural, mechanical, electrical, plumbing, telephone, and data services.

WESTERN CONNECTICUT STATE UNIVERSITY - DANBURY, CONNECTICUT  
A six-story dormitory with concrete masonry unit bearing walls and precast prestressed concrete plank floors. Concrete masonry unit shear walls were used to resist the lateral loads.

WORCESTER STATE COLLEGE - WORCESTER, MASSACHUSETTS  
Structural House Doctor

YALE UNIVERSITY, OFF-CAMPUS SHELVING FACILITY - HAMDEN, CONNECTICUT  
New masonry block structure with steel joist and roof deck. Designed to maintain strict guidelines for climate control and fire protection for storage of valuable research papers, publications, rare books, etc. The facility is designed for future storage pods of equal size including expansion of servicing areas.



WCSU - Dormitory  
Danbury, Connecticut

Photo by Benson Photography