

Institutional Experience

**Harvard Business School
Boston, MA**

**Baker Library / Academic Center
Renovation & New Addition**

(Architect: Robert A.M. Stern
Architects)



* HVAC engineering for 160,000 sq-ft renovation & new addition. Project involved desiccant dehumidification systems for library low temperature spaces for book stacks, acoustic sensitive reading rooms and seminar rooms, atrium smoke control systems.

(Completed in 2004)

**University of Massachusetts
Amherst, MA**

**School of Nursing Skinner Hall
Renovation & New Addition**

(Architect: Anshen Allen Rothman)



* HVAC engineering for renovation & new addition of a 49,000 SF classroom building. Building program includes a nursing learning resource center for clinical teaching and includes a mock emergency room, mock clinical exam rooms and a mock emergency department.

(Completed in 2007)

**University of Pennsylvania
Philadelphia, PA**

**Music Building Renovation
& New Addition**

(Architect: Ann Beha Architects)



* HVAC engineering for 25,000 sq-ft renovation & new addition of historic music building. Building program includes most acoustically sensitive spaces. HVAC design also attends to the humidity requirement of the music instruments. Building achieved LEED Gold certification.

(Completed in 2010)

**KROC Community Center
Dorchester, MA**

New Building Complex Construction

(Architect: The Architectural Team)



* HVAC engineering for 160,000 sq-ft building complex including swimming pool, gymnasium, chapel / theater, fitness center, commercial kitchen and dining area, classrooms, etc.

(Completed in 2010)

Laboratory Experience

**Massachusetts Institute of Technology
Cambridge, MA**

Brain & Cognitive Science Project

(Architect: Goody Clancy)



* HVAC engineering for 412,000 sq-ft, 8-story new life science research building complex including 60,000 sq-ft vivarium floor and complex atrium smoke control systems. Building certified as LEED Silver by USGBC.

(Completed in 2005)

**IDEXX Laboratories
Westbrook, ME**

Renovation & New Additions

(Architect: Brensinger Professional
Association)



* HVAC engineering for 345,000 sq-ft of existing laboratory renovation and new addition of veterinarian medicine and instruments manufacturing & office building.

(Completed in 2008)

**830 Winter Street
Waltham, MA**

**Office Building Upgrade
to Lab Building**

(Architect: Perkins & Will)



* HVAC engineering for Core & Shell upgrade from 100,000 sq-ft office building to 60% Lab space + 40% Office space.

(Completed in 2008)

**Massachusetts Institute of Technology
Cambridge, MA**

**Building 24 Bio-imaging Center/
Hudson Labs**

(Architect: Perkins & Will)



* HVAC engineering for 3000 sq-ft. laboratory renovation involving glycol low temperature fan coil units for humidity control for bio-imaging equipment

(Completed in 2002)

**Massachusetts Institute of Technology
Cambridge, MA**

**Building 16 & 56
Samson Lab & Belcher Lab**

(Architect: Payette Associates)



* HVAC engineering for 3000 sq-ft wet laboratory renovation for Dr. Samson; HVAC engineering for 3000 sq-ft wet laboratory renovation for Dr. Belcher.

(Completed in 2003)

**Massachusetts Institute of Technology
Cambridge, MA**

**Building E19
Brain & Cognitive Labs Renovation**

(Architect: Ellenzweig)



* HVAC engineering for temporary wet and dry lab renovations (2 floors) for Brain and Cognitive science researchers.

(Completed in 2003)

Healthcare Experience

**Dartmouth-Hitchcock Medical Center
Lebanon, NH**



* HVAC engineering for:
Building 11: 220,000 sq-ft, 5-story new ambulatory care facility.
Building 6: 8-story medical research + office building.
Building 2: 310,000 sq-ft renovation & expansion of diagnostic, treatment and surgery facility. Facility included common wet mechanical rooms, air-handling mechanical rooms / penthouses, snow-melting systems, operation room air-handling systems, special exhaust systems, IVF suites, dialysis suites, emergency department / triage areas, etc.

**Hospital Complex Renovation
& New Construction**

(Architect: Shepley Bulfinch
Richardson Abbott)



(Completed in 2004)

**Children's Hospital at Fitzsimons
Denver, CO**



* HVAC engineering for:
Renovation and expansion of 1,200,000 sq-ft hospital including diagnostic and surgery facility and a 200,000 sq-ft patient tower. Facility included positive and negative pressure isolation rooms, operation rooms, central air-handling mechanical rooms, numerous special exhaust systems.

Hospital Renovation & Expansion

(Architect: Zimmer Gunsul Frasca
Architects)



(Completed in 2007)

**Woman & Infant's Hospital
Providence, RI**



* HVAC engineering for
140,000 Sq-ft, 5-story patient tower expansion includes the country's largest number of NICU's. The new addition also includes a 30-room Antenatal Care Unit with its own amenities and additional clinical services. Building achieved LEED Gold certification.

Hospital Addition

(Architect: Ashen Allen Rothman)



(Completed in 2009)

Pharmaceutical Experience

**Avant Immunotherapeutics
Needham, MA**

Laboratory & Office Space Renovation

(Architect: Margolis + Fishman)



* HVAC engineering for 52,000 sq-ft lab and office space, including vivarium, clean rooms and core & shell office space design for base building.

(Completed in 2007)

**ALTEA Therapeutics
Atlanta, GA**

Tenant Space Fit-up

(Architect: Perkins & Will)



* HVAC engineering for tenant fit-up of 40,000 sq-ft lab space, including clean rooms, a vivarium and lab support and office space.

(Completed in 2007)

**Histogenics
Waltham, MA**

Tenant Space Fit-up

(Architect: Olson Lewis Dioli & Doktor Architects)



* HVAC engineering for tenant fit-up of 26,000 sq-ft of lab & office space, including clean room suites.

(Completed in 2006)

**PharmaMar
Cambridge, MA**

Tenant Space Fit-up

(Owner: PharmaMar)



* HVAC engineering for 4000 sq-ft laboratory space tenant fit-up.

(Completed in 2006)

**Vertex Pharmaceuticals
Cambridge, MA**

Tenant Space Fit-up

(Owner: Vertex Pharmaceuticals)



* HVAC engineering for 3000 sq-ft laboratory space tenant fit-up.

(Completed in 2007)

Corporate Experience

**Vista Print
Lexington, MA**

Tenant Space Fit-up

(Architect: Spagnolo Gisness
& Associates)



* HVAC engineering for 125,000 sq-ft of office space fit-up, including HVAC design for a data center and a NOC.

(Completed in 2007)

**590 Lincoln Street
Waltham, MA**

**Office Building
Core & Shell Total Renovation**

(Architect: ADD Inc.)



* HVAC engineering for 85,000 sq-ft office building total core & shell renovation.

(Completed in 2008)

**Bio-Rad
Waltham, MA**

Office Space Tenant Fit-up

(Architect: John Cunningham
Architects)



* HVAC engineering for 25,000 sq-ft office space tenant fit-up.

(Completed in 2006)

**333 Wyman Street
Waltham, MA**

Office Building Renovation

(Architect: ADD Inc.)



* HVAC engineering for 280,000 sq-ft base building renovation.

(Completed in 2006)

**175-185 Wyman Street
Waltham, MA**

New Building Complex

(Architect: Margulies Perruzzi
Architects)



* HVAC engineering for core & shell of 335,000 sq-ft corporate campus complex.

(Completed in 2010)