



# The University Sciences Building

Northeastern, USA

## General Building Information

Building Name:	University Sciences Building
Location:	Northeastern, USA
Occupant:	Not Released
Function:	Laboratory/Classroom/Office
Size:	209,000 SF
Number of Stories:	Building 1: 7+/-    Building 2: 4+/-
Construction Dates:	August 2006 - December 2009
Construction Cost:	Withheld by Owner
Delivery Method:	Construction Manager at Risk



## Primary Project Team



Owner:	Not Released
Architect:	Mack Scogin Merrill Elam Architects
Associate Architect:	EDGE Studio
General Contractor:	PJ Dick Inc
Structural Engineer:	ARUP
Mechanical Engineer:	ARUP
Electrical Engineer:	ARUP
Civil Engineer:	Civil and Environmental Consultants

## Architecture



Located in the center of the urban campus, The University Sciences Building sits with a modern and distinct look with its unique materials and distinctive architectural features. Its LEED Gold Certification makes it the campus' most sustainable building. The USB consists of two buildings connected by a 6 story passage.

Building 1 has 7 stories above grade and 2 below. The core of Building 1 is its featured 3 story Helix. This Helix is a concrete formed ramp to 3 different floors with classrooms at the center. The bottom 5 floors are primarily used for classrooms and laboratories. The top 3 floors are used for offices and conference rooms. Building 1 has 2 unique atriums. One is incorporated with the Helix structure and the other is a 3 story atrium on the 6th, 7th and 8th floor.

Building 2 has 4 stories above grade and 1 below. The use of this building is primarily for research, including offices and laboratories. This building also utilizes the use of an atrium. Considerably smaller than building 1, it spans from floors 4, 5, and 6. It opens up to a clerestory along its length.

## Building Enclosure

The building gets its unique look from its facade. It incorporates black zinc lining panels with silver zinc siding bordering the plethora of windows in different shapes. Nearly every space in the building has exposure to natural light. Generated by elaborate windows and curtain walls, and exterior open to above atriums.

Roof Construction: Concurrently gathering information.



## Zoning and Code



This building was designed and built under the International Building Code 2006 (IBC 2006), along with its supplemental mechanical and electrical codes. Structural Design followed the ASI 318 for reinforced concrete and ASIC LRFD 3rd edition for steel. Further code compliance forthcoming.

Zoning: Requesting information from Owner/Construction Manager

## Sustainability

The USB qualified as a LEED Gold building. It uses many innovative sustainable features from natural day lighting to new materials allowing the building to be more energy efficient. Perhaps the buildings most recognizable sustainable feature is it's multiple expansive green roofs. More information to follow.

