

LIFE SCIENCES BUILDING

EAST COAST, USA

wangjae
you
structural



General Information

Full Height: 91 ft
Number of Stories: 5 stories
Size: 174,500 square-foot
Cost: \$91.6 million
Date of Construction: September 2008 - August 2011
Project Delivery Method: Design-bid-build

Project Team

Owner: Education Institutes
Architect: Bohlin Cywinski Jackson
Construction: Bond Brothers, Inc.
Structural: Ryan-Biggs Associates, P.C.
MEP/Lighting: vanZelm Heywood & Shadford, Inc.
Sustainability: Atelier Ten
Project Sponsor: Ryan-Biggs Associates, P.C.

Architecture

The main concept of design in floor plan is to promote the interaction of idea and technique between researchers using the building. To place laboratories in the first floor provides easy accessibility to whom uses this building.

Structural Systems

Foundation: Cast-in-place concrete spread and strip footings
Framing: Structural Steel Frame with composite concrete slabs on metal deck
Lateral: Structural Steel Braced Frames

Mechanical

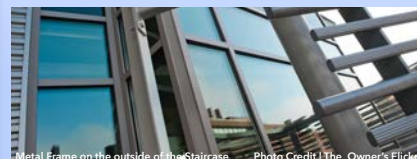
High-Performance Enthalpy Heat-Recovery Wheels
Dedicated Outdoor Air System
Chilled Beams throughout all laboratories
Active Air Quality Monitoring for Airflow Reset
Condenser Water Domestic Hot Water Heating

Lighting/Electrical

Two 480/277 3-Phase, 4 wire switchboards
Daylight Dimming throughout the building
High Level of Lighting Control with Occupancy Sensor

Sustainability Features

This building is certified as a LEED Platinum. Greenhouse on the roof improves building performance in energy throughout the year.



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