

2012 CEFPI North East Region
Exhibition of School Planning and
Architecture

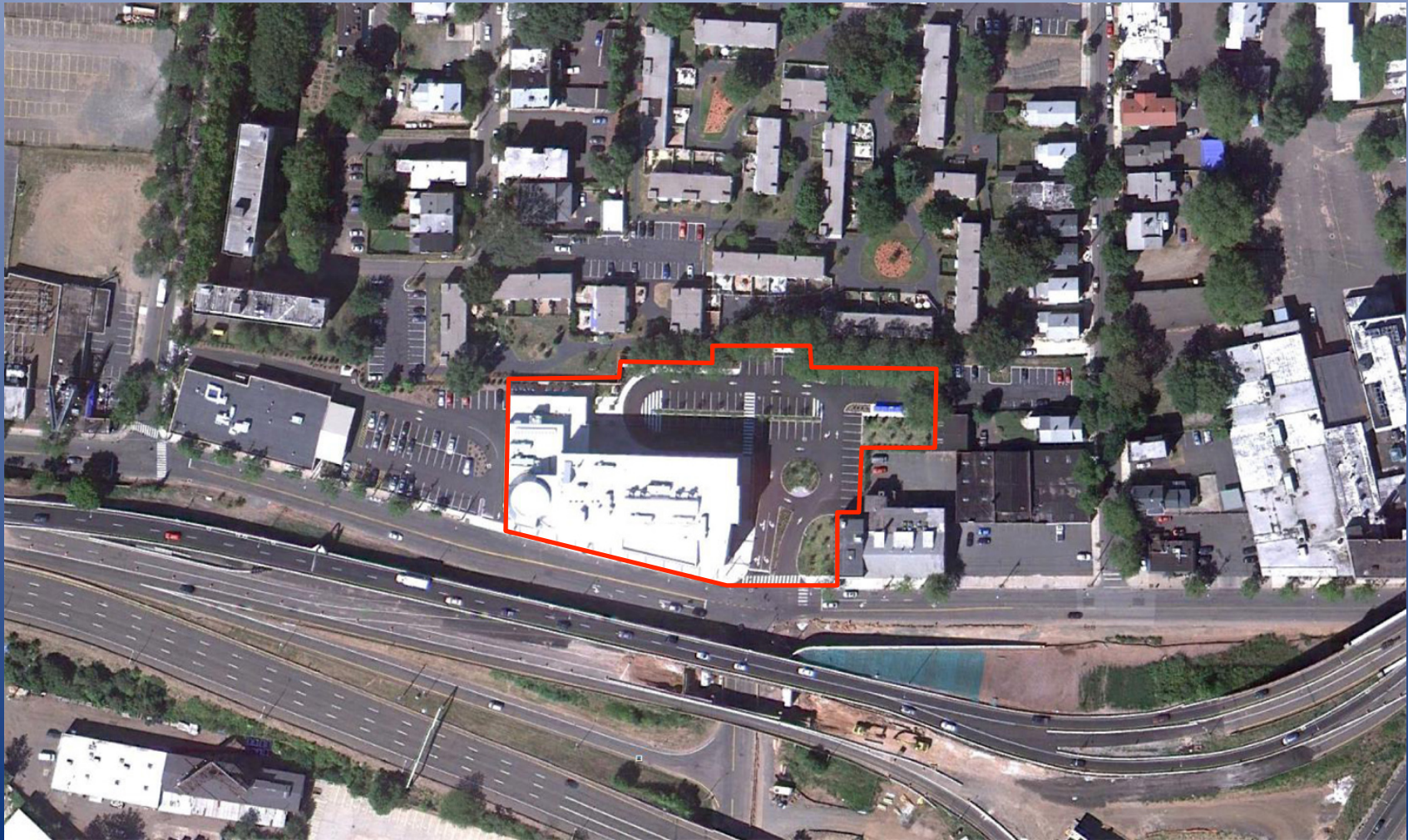
Metropolitan Business Academy
Interdistrict High School

New Haven, CT
New Educational Facility
Exhibition of School Planning & Architecture
The S/L/A/M Collaborative

Metropolitan Business Academy Interdistrict High School



Metropolitan Business Academy Interdistrict High School



Community Environment

This 400 student Business-themed magnet high school is located on a tight brownfield site on once-vibrant commercial route US-1, facing an elevated highway on the opposite street side.

The 4 story school replaces 3 abandoned buildings, and is sited to re-establish the street line while sheltering the abutting residential area from the highway.

The location was selected to foster partnering/internships with local businesses as part of the curriculum, and to revitalize the immediate vicinity.

The school brings community amenities such as a Gym/fitness center , Library Media Center, Student Commons, and Lecture Hall to the neighborhood , all located along the street frontage for visibility.



Learning Environment

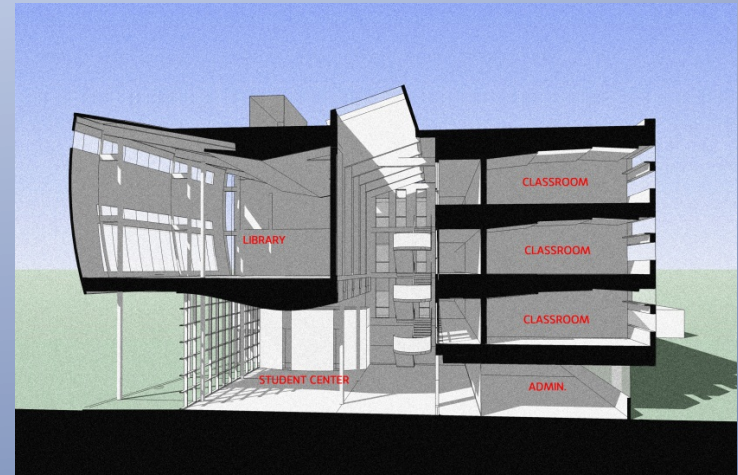
The academic spaces are composed of 3 themed “strands”, one on each of 3 upper floors. These classroom clusters are organized around an atrium that is the Student Commons at the first floor.

There are no conventional “double-loaded” corridors; every floor views into the central space of the Student Commons.

Traditional program areas have been re-imagined to support learning in more fluid and immersive ways:

- The LMC includes a range of learning environments: casual areas, group work rooms with technology, individual research areas, all in a central and visible location.
- The Student Commons (cafeteria) is used throughout the day, starting at breakfast for some, including study halls, lunch, clubs and activities, and as a place to enable student/faculty relationships outside the classroom setting in an easily supervised light-filled delightful space. Since the students come from many towns, having a welcoming social space to build community is key.

The compact arrangement (no departmental “wings”) permits many future re-organization options.



Physical Environment

Openness and transparency throughout encourages a culture of personal accountability.

Generously sized classrooms with abundant natural light and excellent acoustics allow students and teachers to focus on learning, supported by wired and wireless connectivity throughout.

Real-time monitoring with an energy dashboard tracks performance of sustainable strategies, which are designed to result in a 50% savings in energy use:

- Daylighting of all occupied spaces
- Skylit atrium to light interior core areas
- Demand controlled ventilation, including ionization filtration for the urban environment and ice storage for demand peak-shaving
- Rain screen walls, high insulation levels, cool roof, compact massing, north-south orientation, selective glazing, dimming high efficiency lighting



Planning Process

The design team and the City's Program Manager facilitated monthly community meetings including a School Based Building Advisory Committee (neighbors, parents, students, faculty), and User Group (school faculty and administrators). Also involved were a City-wide Building Committee, City Planning, and business partners of the school.

The design process utilized detailed 3-d models of each room within the building to refine the design, contents, and finishes with the faculty and administration.

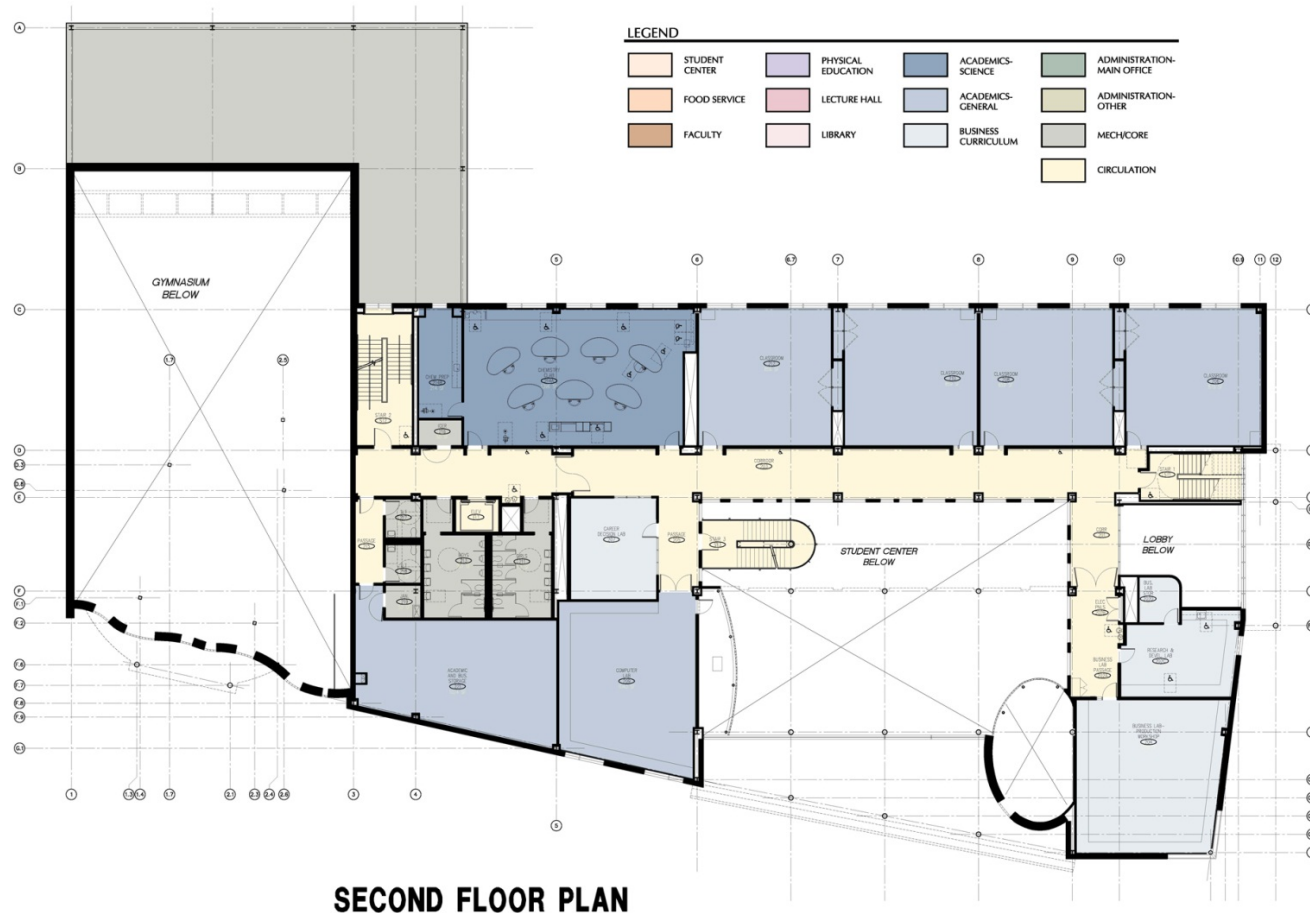


First Floor plan



FIRST FLOOR PLAN

Second Floor plan

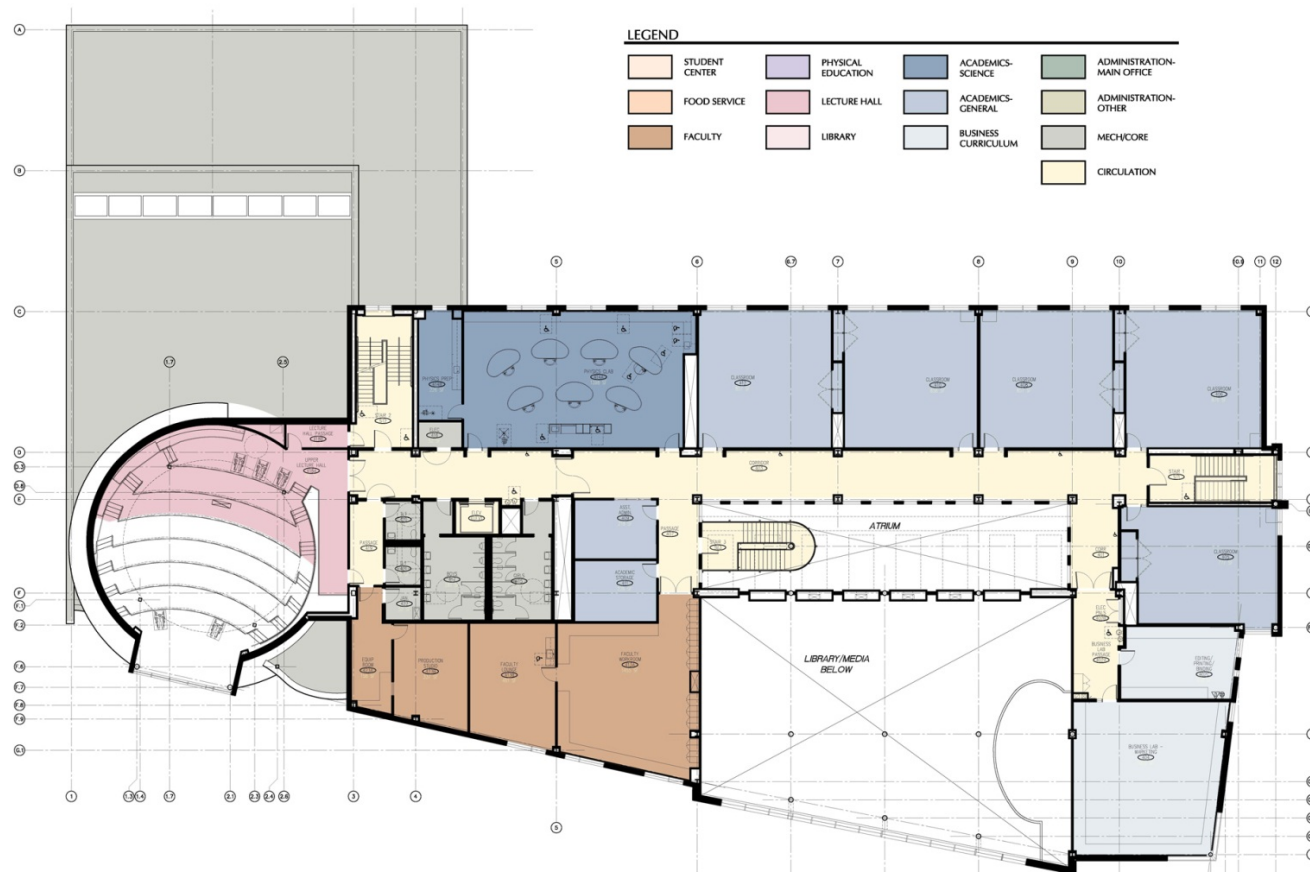


Third Floor plan



THIRD FLOOR PLAN

Fourth Floor plan



FOURTH FLOOR PLAN

Exhibition of School Planning and Architecture

2012 Project Data

Submitting Firm :	The S/L/A/M Collaborative
Project Role	Architecture, Interior Design, Landscape Architecture
Project Contact	Glenn R. Gollenberg, AIA
Title	Principal
Address	80 Glastonbury Boulevard
City, State or Province, Country	Glastonbury, CT 06033
Phone	860-657-8077

Joint Partner Firm:	N/A
Project Role	
Project Contact	
Title	
Address	
City, State or Province, Country	
Phone	

Other Firm:	Odea, Lynch, Abbattista Consulting Engineers, PC (OLA)
Project Role	MEP Engineer
Project Contact	Jim Dolan
Title	Project Engineer
Address	50 Broadway
City, State or Province, Country	Hawthorne, NY 10532
Phone	914-747-2800

Construction Firm:	Fusco Corporation
Project Role	Construction Manager
Project Contact	Seth Shepard
Title	Project Manager
Address	555 Long Wharf Drive
City, State or Province, Country	New Haven, CT 06511
Phone	203-777-7451

Exhibition of School Planning and Architecture

2012 Project Details

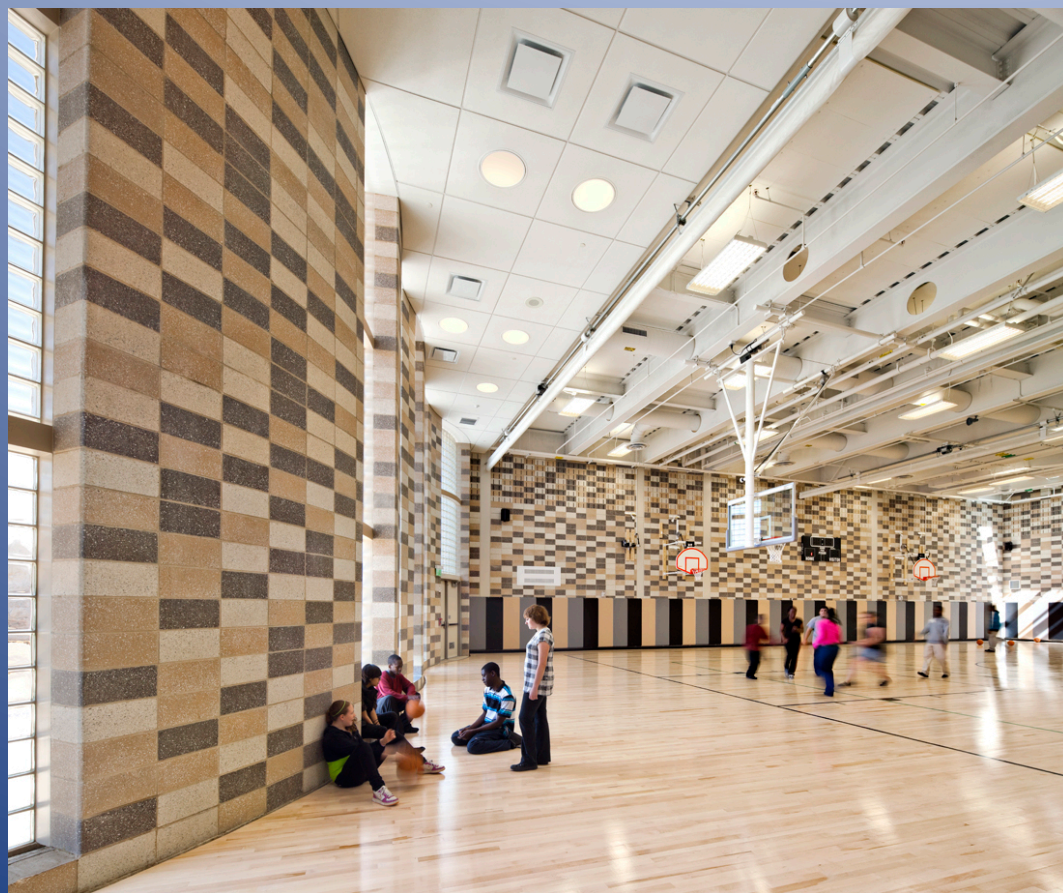
Project Name	Metropolitan Business Academy Interdistrict H. S.
City	New Haven
State	Connecticut
District Name	City of New Haven
Supt/President	Dr. Reginald R. Mayo, Supt. Of Schools
Occupancy Date	2010
Grades Housed	9-12
Capacity(Students)	400
Site Size (acres)	2 acres
Gross Area (sq. ft.)	86,168 SF
Per Occupant(pupil)	220 SF per student
gross/net please indicate	68.1%
Design and Build?	No
If yes, Total Cost:	
Includes:	
If no,	
Site Development:	\$ 2,200,000
Building Construction:	\$28,359,500
Fixed Equipment:	\$ 698,500
Other: (Technology)	\$ 890,000
Total:	\$32,148,000





Faculty Lounge / Conference





Gymnasium



Library Media Center



Student Commons