

## SAMPLING

### BOSTON COLLEGIATE CHARTER SCHOOL, DORCHESTER, MASSACHUSETTS

This project consists of the renovation/reconstruction of both an existing high school and an existing convent to be connected via a new one-story infill addition. Construction is underway for the new school which will be approximately 46,500 square feet. The new linked building's entrance connects to various levels of the existing high school via a new masonry elevator with an exposed arched steel roof and a new cantilever canopy.

### CITY ON A HILL CHARTER SCHOOL, ROXBURY, MASSACHUSETTS

Renovation of this three-story red-brick structure into a building with a large meeting hall, cafeteria, and offices. There are also plans to build a 5,000-square-foot, one-story addition to the main building.

### LEAGUE SCHOOL OF GREATER BOSTON, WALPOLE, MASSACHUSETTS

Structural design services for this new school for autistic children ranging from elementary to high school grades. The building is a 35,000 square foot one-story steel frame structure.

### MEDIA & TECHNOLOGY CHARTER HIGH SCHOOL (MATCH) BOSTON, MASSACHUSETTS

The newly formed Media & Technology Charter High School will begin its curriculum in September of 2002. The facility is located in a renovated structure in Boston, MA. The existing building is a three story concrete frame structure with a partial basement. The building was constructed in the early part of the 20th century. The building was previously occupied by an auto parts store and warehouse. Based on the change of use, the MSBC 6th Edition required the building to be upgraded to meet the current requirements for the lateral load resistance - wind and seismic. Additionally, supplemental steel framing was interfaced with the existing concrete structure to accommodate a new and an enlarged stair well and a new elevator. Additionally, new foundation work associated was completed at two entrances to provide ADA compliance. The total construction cost was in excess of four million dollars. Structural retrofit work accounted for approximately three hundred thousand dollars of the cost.

### MAIMONIDIES SCHOOL, BROOKLINE, MASSACHUSETTS

Provided full structural design services for the Synagogue addition and renovation to the existing structure with new basement and first and second floors. New second floor classroom wing over existing one-story concrete framed structure including new elevator entrance canopies and science wing one-story addition. New design consisted of light structural steel framing with barrel vault roofs to match existing facades.

### NEIGHBORHOOD HOUSE CHARTER SCHOOL, DORCHESTER, MASSACHUSETTS

Renovation of two existing 1920's concrete wings, including live load reinforcing of a cafeteria and media center, as well as the design and construction of a lateral load resisting system for both wings. The renovation includes various existing opening infills as well as analysis and design of new structure to support proposed openings. A new three story classroom wing is also being designed and constructed to create new classroom space.

### SACRED HEART EARLY CHILDHOOD CENTER, KINGSTON, MASSACHUSETTS

A new 18,000 sq.ft. +/- Early Childhood Center.



MATCH School  
Boston, Massachusetts

Photo by DMBC

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### SOLOMON SCHECHTER DAY SCHOOL, NORWOOD, MASSACHUSETTS

Renovation of the existing building for seismic and gravity loads as required; new one-story addition with traditional construction, and new gymnasium (foundation only plus review of the pre-engineered superstructure designed by others).

### QUEEN STREET CHARTER SCHOOL, DORCHESTER, MASSACHUSETTS

A structural evaluation was performed to determine the reuse of the existing building which is a five (5) story structure with exterior unreinforced masonry bearing walls on a sloping site. The building varies from fully above grade (North side) to one level below grade on the uphill side (South side). The interior framing is typically steel, or possibly cast iron, columns and girders with a flat tied tile arch slab system at the floor and roof.

### UPHAM'S CORNER CHARTER SCHOOL, SOUTH BOSTON, MASSACHUSETTS.

Investigation, evaluation, analysis, schematic design options and reporting for the conversion of an existing four story historic brick and beam structure to education use. DM Berg directed both destructive and non-destructive investigations to determine the existing framing, the condition of the existing framing and the viability of re-using or reinforcing this framing for various proposed architectural schemes.

### URSULINE ACADEMY, DEDHAM, MASSACHUSETTS

Structural design services for an 18,000 square foot 3-story science wing addition with steel frame, exterior concrete masonry unit walls, and brick veneer.



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