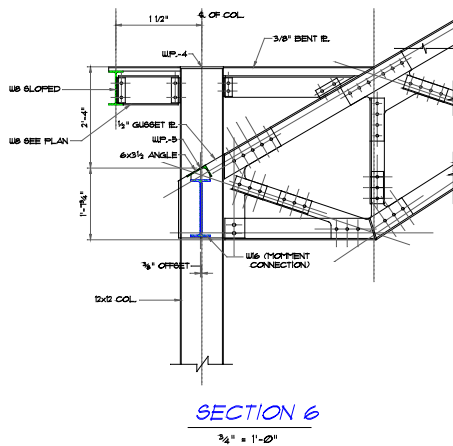


# SOUTH ELEMENTARY SCHOOL HINGHAM, MASSACHUSETTS

- OWNER  
Town of Hingham
- ARCHITECT  
Design Partnership of Cambridge, Inc.
- CONSTRUCTION COST  
\$10,000,000
- GENERAL CONTRACTOR  
Eastern Contractors, Inc.



Photo by Peter Vanderwarker



## PROJECT DESCRIPTION

Hingham South Elementary was an especially complicated building. The new building was being placed at the vertex of two existing 1950's era school buildings. The two existing buildings were at different elevations and composed of different structural systems: the 1946 wing was comprised of masonry bearing walls, steel roof trusses and wood framed roof; the 1955 wing was a concrete frame building system with non-bearing masonry infill walls.

The new building combined masonry shear walls with structural steel gravity and moment frames to create a framing system that satisfied the code's structural requirements and met the needs of the architect.

Aesthetically, the architect required the new cafeteria/auditorium roof to be exposed, bolted, structural steel trusses. Additionally, all gusset plates had to be hidden behind the contours of the roof truss double angles.

Exposed structural steel trusses were carefully detailed and drafted to make fabrication and erection as simple as possible in the face of complicated details, connections, bolting requirements and the final finishes.



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