



## PROJECT DESCRIPTION

The South Auditorium Block Redevelopment is located to the East of and adjacent to the Erie Canal Harbor. The site is located within the confines of Commercial Drive and Pearl Street, Main Street, Marine Drive, and Furhmann Boulevard Arterial Route 5 in Buffalo, New York. The redevelopment effort is being conducted on the previous site of the now demolished Buffalo Memorial Auditorium.

RE&LS is responsible for providing Structural Engineering Services for the South Auditorium Block Redevelopment as part of the Canalside project in Buffalo, New York. The project consists of a four story building to be used for a children's museum and office space. The structural design considers the implementation of a structural steel framing system having cast-in-place floor systems and a metal roof deck roof system. The Structure is constructed over the existing remains of the South Auditorium mechanical basement. The foundations consist of cast-in-place concrete pile caps and the ground floor system is supported by a deep foundation pile system provided. The wall systems are non- vertical load bearing cold formed metal stud framing with masonry brick veneered exterior walls. A combination of diagonal bracing and exterior/interior shear walls shall be employed to provide the structures' lateral load resisting systems.

**Owner:** Erie Canal Harbor Development Corporation

**Services Provided:** Structural Engineering

**Completion Date:** 2016