

EDUCATIONAL CLIENTS

Selective Project History

New York State University Construction Fund / March Associates Architects

*Neubig Hall Dining Room Alterations and Stair Tower Addiiton –
Auxiliary Services Corporation
SUNY College at Cortland, Cortland, New York*

New York State University Construction Fund / March Associates Architects

*Donavan Hall – Reconstruction of Main Entrance Canopy,
SUNY College of Tech. at Utica/Rome, Marcy, New York*

New York State University Construction Fund

*Kunsella Hall – Court Yard Modifications
SUNY College of Tech. at Utica/Rome, Marcy, New York*

New York State University Construction Fund

*Upgrade Campus Signage
SUNY College of Tech. at Utica/Rome, Marcy, New York*

New York State University Construction Fund

*Health, Physical Education, and Recreation Facility,
SUNY College of Tech. at Utica/Rome, Marcy, New York*

New York State University Construction Fund

*Technology/ Science Building,
SUNY College of Tech. at Utica/Rome, Marcy, New York*

Indian River Central School District / March Associates Architects –

*High School Additions & Alterations/ New Storage Building,
Philadelphia, New York*

Indian River Central School District / March Associates Architects –

*Calcium Primary Elementary School Additions & Alterations,
Calcium, New York*

Indian River Central School District / March Associates Architects –

*Reconstruction to Antwerp, Philadelphia, Evans Mills & Theresa
Primary Schools, Philadelphia, New York (and Surrounding Area)*

Indian River Central School District / March Associates Architects –

*Reconstruction to Middle School and Transportation Facility,
Philadelphia, New York*

Structural Engineering Consultants

Our Philosophy...

We approach our projects with the goal of providing the client with structurally innovative solutions to their project needs within established budgetary constraints and take pride in putting forth the necessary effort to meet project delivery deadlines. IESolutions' staff utilizes extensive in-house experience and lessons learned from past projects as a basis to design structurally aggressive and state-of-the-art facilities for a variety of clients. Our investigation and structural design methods utilize state-of-the-art computer software and computational methods to be able to perform "what-if analysis" resulting in cost effective and functionally minded facilities.

Carthage Central School District / March Associates Architects

*Middle School / High School Additions & Alterations,
Carthage, New York*

Rome City School District / March Associates Architects

*Ridge Mills Elementary School Alterations,
Rome, New York*

Rome City School District / March Associates Architects

*Bellamy Elementary School Additions & Alterations,
Rome, New York*

Rome City School District / March Associates Architects

*Denti Elementary School Ventilation Upgrades,
Rome, New York*

Rome City School District / March Associates Architects

*Stokes Elementary School Alterations,
Rome, New York*

Rome City School District / March Associates Architects

*Staley Upper Elementary School Reconstruction – Systems
Upgrades at Kitchen & Alterations, Rome, New York*

Rome City School District / March Associates Architects

*Former Rome Free Academy, Turin St, Asbestos Abatement &
Selective Removals, Rome, New York*

Rome City School District / March Associates Architects

*Elementary School's Roof Evaluations and Investigations,
Rome, New York*

Rome City School District / March Associates Architects

*Strough Middle School Renovations,
Rome, New York*

Rome City School District / Fanning Howey Associates / SBLM Architects -

*New Rome Free Academy High School,
Rome, New York*

Rome City School District / McDonald & Monterose Architects

*Staley Middle School Roof Evaluations and Investigations,
Rome, New York*

New York Mills Union Free School / March Associates Architects

*Alterations to the K-12 School & Addition to the Beakman Gymnasium,
New York Mills, New York*

Madison Central School District / March Associates Architects

*Bus Garage Addition & Alterations,
Madison, New York*

Westmoreland Central School District / March Associates Architects

*Jr. & Senior High School Capital Improvements,
Westmoreland, New York*

Horseheads Central School District / McDonald & Monterose Architects

*2007 Capital Improvement Projects – Senior High School North / Middle School / Intermediate School
Additions & Alterations, Horseheads, New York*

East Syracuse-Minoa (ESM) Central School District / Ashley McGraw Architects

*Park Hill School
East Syracuse, New York*

East Syracuse-Minoa (ESM) Central School District / Ashley McGraw Architects

*District Office
East Syracuse, New York*

Colgate University

*Olmstead House Renovations and Reconstruction,
Hamilton, New York*

Colgate University

*Huntington Gym Weight Room Evaluation,
Hamilton, New York*

Hamilton College / March Associates Architects

*Former Sigma Phi Chapter House Additions & Reconstruction for Admissions & Financial Aid,
Clinton, New York*

Hamilton College / March Associates Architects

*Elihu Root House Renovations,
Clinton, New York*

Hamilton College / March Associates Architects

*C A Johnson Hall – Main Entrance Roof Extension,
Clinton, New York*

Hamilton College / Towne Engineering

*Wind turbine Tower Analysis,
Clinton, New York*

Hamilton College / McDonald & Monterose Architects

*Margaret Bundy Scott Field House – Entrance Canopies,
Clinton, New York*

Hamilton College / McDonald & Monterose Architects

*Annex / Student Activities Building – New Roof Over Existing Canopy,
Clinton, New York*

Owen D. Young Central School District/ McDonald & Monterose Architects

*Roof Replacement and Modifications,
Van Hornsville, New York*

Town of Webb Union Free School District/ March Associates Architects

*Interior Alterations / New Storage Building,
Old Forge, New York*

Canastota Central School District / Dick Alexander Co.

*Temporary Shoring Design
Canastota, New York*

Stamford Central School District

*Alterations and Additions to Existing K-12 School Building,
Stamford, New York*

Jefferson Central School District

*K-12 School Facility Addition and Alterations,
Jefferson, New York*

Cherry Valley-Springfield Central School District

*New 800-Student K-12 Grade School,
Cherry Valley, New York*

Hamilton Central School District

*High School & Elementary School Additions,
Hamilton, New York*

Newburgh City School District

*Gidney Avenue Memorial School,
Newburgh, New York*

Kingston City School District

*J. Watson Bailey Jr. High School Additions and Alterations,
Kingston, New York*

Utica City School District

*Watson-Williams Elementary School,
Utica, New York*

Utica City School District

*James H. Donovan Jr. High School,
Utica, New York*

Cornell University

*Wilson Laboratory G-Line Facility
Ithaca, New York*

Rensselaer Polytechnic Institute

*Walker Laboratory Rehabilitation,
Troy, New York*

Clinton Community College

*New Center for Science and Industry Competitiveness (CSIC) Building,
Plattsburgh, New York*



NEW HIGH SCHOOL

Rome City School District

Rome, New York

Features

- Total estimated cost: \$45 million
- 320,000 square-foot
- 1,700-student capacity
- Energy-efficient, state-of-the-art mechanical systems result in major cost savings to the school district
- 13,000-sq.-ft auditorium with seating for 1000 people
- 18,000-sq. ft gymnasium with elevated running track
- 6,200-sq.-ft auxiliary gymnasium
- Olympic sized swimming pool
- Classrooms, music, art, technology, offices and other support areas
- Incorporated an existing 26,000-sq.-ft chapel & classroom building

Rome Free Academy's new \$45 million Senior High School's state-of-the-art building systems were complete, fully operational, and ready for occupancy in the Fall of 2002. Located on a 74-acre site at the Griffiss Business and Technology Park (formerly Griffiss Air Force Base), a team of architects and engineers designed the 320,000-square foot building's mechanical, electrical, and structural systems with energy efficiency in mind.

Professional Experience – Douglas R. Cahill, PE

While employed by MWH Global, Inc., Mr. Cahill served as the Project Structural Engineer for the design, engineering, and construction of Rome Free Academy. The structural framing system for the two, 2-story classroom wings utilized moment resisting steel frames with a composite concrete, metal deck and steel beam floor framing system, sloping steel roof joists supporting a pitched standing seam metal roof system and a metal stud / brick veneer exterior shell.

The structural framing system for the remaining portions of the facility utilized a combination of load bearing masonry walls, a floor framing system consisting of composite concrete, metal deck and a steel beams, and steel roof joists. The large public spaces required open-web roof trusses with clear spans up to 120-feet. The elevated running track was supported by hangers to avoid post supports in the gymnasium below.

The project also incorporated the complete renovation and conversion of the existing base chapel into a facility which houses the cafeteria, kitchen, and art classrooms. This portion of the work required a complete structural evaluation and reinforcement of the existing roof framing system to increase the load carrying capacity of the existing structure to conform to the current code prescribed snow load requirements.

Professional Experience – Carl A. Nordberg, PE

As a staff engineer at MWH Global, Inc., Mr. Nordberg assisted with the design of the reinforced masonry bearing walls, including the 64 foot tall stage area. He also assisted with the existing facility survey and structural evaluation for reinforcement of the chapel roof.

