

RESIDENTIAL / HOTEL PROJECTS

Selective Project History

Doctor Wallace Office, Rome, New York

Client: T. Rees Architects

Provided structural engineering consulting services for a 4000 square foot office building located at the Griffiss Business and Technology Park, Rome, NY. The project included a wood truss roof framing system, a double wood stud wall system in order to provide optimal insulation conditions and review of the proposed insulated concrete form foundation system.

Country Inn & Suites Hotel, Queensbury, New York

Client: Alestalo+Etzel Architects, PC

Project Structural Engineers of Record for a new 3 story hotel overlooking The Great Escape amusement park featuring wood frame construction supported on a concrete masonry foundation system with a "porte cochere", a grand lobby, an indoor swimming pool, a breakfast room and 85 guest rooms.

Country Inn & Suites Hotel, Thompson Rd., Syracuse, New York

Client: Alestalo+Etzel Architects, PC

Project Structural Engineers of Record for a new 4 story. 68-Guest Room hotel featuring wood frame construction supported on a deep foundation system (piles and grade beams) with a "porte cochere", a grand lobby, an indoor swimming pool and a breakfast room.

Fairfield Inn & Suites Hotel by Marriot, Thompson Rd. Syracuse, New York

Client: Alestalo+Etzel Architects, PC

Project Structural Engineers of Record for a new 4 story. 83-Guest Room hotel featuring wood frame construction supported on a deep foundation system (piles and grade beams) with a "porte cochere", a grand lobby, an indoor swimming pool and a breakfast room.

The Church of Jesus Christ of Latter-Day Saints, Auburn, NY

Client: David richards, Architect, PC

Project Structural Engineers of Record for a new single story, wood framed structure supported on a conventional shallow foundation system (wall strip footings and column spread footings). The facility featured a worship chapel, meeting / class rooms, administrative support space, kitchen / serving, cultural center and mechanical support spaces.

Residence for Ms. Noreen Gangi, Oak Hill, New York

Client: Wallant Architects

Project Structural Engineers of Record for the construction of a new 3,500± square foot residence. The structure included reinforced concrete foundations, wood frame walls, and a wood truss roof system.

Residence for Mr. Massry, Loudonville, New York

Client: Wallant Architects

Project Structural Engineers of Record and provided field inspection for the construction of a multi-level garage. The structure included reinforced concrete foundations, elevated concrete garage floor, steel framing, wood frame walls, wood rafters, and several wood barrel vault dormers.

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.

Residence for Dr. & Mrs. Jain, Colonie, New York

Client: Wallant Architects

Project Structural Engineers of Record and provided field inspection for the construction of a \$1,000,000 home. The structure included reinforced concrete foundations, wood frame walls, rafters, trusses, and an elevated deck overlooking the Mohawk River.

Residence for Mr. Lundquist, Brunswick, New York

Client: Wallant Architects

Provided complete structural design, drawings, specifications and field inspection for the construction of a 3,500± square foot home. The structure included reinforced concrete foundations, wood frame walls, and trusses.

Residence for Mr. & Mrs. Becker, New York

Client: Wallant Architects

Provided structural design, drawings, and specifications for renovation and addition of a 5,000± square foot home. The structure included reinforced concrete foundations, post and beam walls and roof.

Residence for Mr. & Mrs. Cavalier, Colonie, New York

Client: Wallant Architects

Provided complete structural design, drawings, specifications and field inspection for the construction of a \$3,000,000 home. The structure included reinforced concrete foundations, wood frame walls, rafters, and wood trusses. The construction included several reinforced concrete retaining walls and planters with cut stone facing.

Residence for Mr. & Mrs. Picotte, Colonie, New York

Client: Wallant Architects

Project Structural Engineers of Record and provided field inspection for the renovation of a 4,000± square foot home.

Vacation Boathouse for Cohen Family, 2nd Lake, New York

Client: T. Rees Architect

Project Structural Engineers of Record for the construction of a boat house, including layout and design of the helical, galvanized -steel, mini pile foundation. The structure is located in the Adirondack region of Upstate New York, and it houses a motor boat and storage for additional water craft.