

Pre-engineered Metal Building Foundation, Titan Homes, Sangerfield, NY

Owner: Champion Enterprises, Inc.

While employed by Harza Northeast, Mr. Cahill was responsible for the structural design of the foundation system for a new 173,000 square foot pre-engineered metal building. The Project featured fast-track design and construction to replace Titan Homes' manufacturing facility destroyed by fire during the winter of 1998-1999. Champion Enterprises received national recognition based on their community minded management decision to continue to pay their employees during the entire reconstruction period. To expedite the design and construction process to get the facility back on line as soon as possible, the design team worked closely with corporate management and the contractors to expedite decision making, design and construction. Titan Homes is a local manufacturer of pre-fabricated homes.



*Titan Homes
Sangerfield, NY*



*Titan Homes
Sangerfield, NY*



*Northern Safety Company
Frankfort, NY*

Pre-engineered Metal Building Foundation, New Distribution Center and Corporate Offices, Frankfort, NY

Owner: Northern Safety Company, Inc.

While employed by Harza Northeast, Mr. Cahill was responsible for the structural design of the foundation system for two attached pre-engineered metal buildings. The Project included construction of a new 55,000 square-foot, single-story, high bay distribution warehouse and a new 32,000 square-foot, two story corporate office building.



Pre-engineered Metal Building Foundation, Utica Business Park, New Hartford, NY

Owner: Remet Corporation

While employed by Harza Northeast, Mr. Cahill was responsible for the structural design of a foundation system for a new 20,000-sq-ft, single-story, pre-engineered metal building.



*Fleet Bank
North Utica NY*

Pre-engineered Metal Building Foundation, Building Addition, North Utica, NY

Owner: Fleet Bank

While employed by Harza Northeast, Mr. Cahill was responsible for the structural design of a foundation system for a new 16,000-square-foot pre-engineered metal building addition.

Pre-engineered Metal Building Foundation, Building Addition, Utica, NY

Owner: Harron Cable

While employed by Harza Northeast, Mr. Cahill was responsible for the structural design of a foundation system for a new 7,000-square-foot, single-story pre-engineered metal building addition.

Pre-engineered Metal Building Foundation, Confidential Industrial Project, Utica, NY

Client: City of Utica / Shumaker Consulting Engineering

IESolutions provided Structural assistance to the Client during the conceptual planning and development of alternative foundation systems and soil improvements to support the proposed new Distribution Warehouse Facility. The proposed facility consisted of a metal products storage/distribution facility housed in a pre-engineered metal building. The proposed warehouse portion was approximately 100,000 sq ft, divided into 3-bays, each approximately 70' x 475' in size with columns spaced approximately 25' x 70' on center. Two 10-ton overhead cranes and one 20-ton overhead crane occupy these bays. An on-grade railroad spur approximately 100 feet in length enters one of the bays. The preliminary conceptual design also included preliminary structural design to protect the underground existing utilities located under the railroad spur extension. In addition, the proposed facility consisted of a 6,000 square feet (20' x 300') shed style structure attached along one of the long walls and a 10,000 square feet, two-story office structure.