

Sampling of Recent Structural Engineering Projects

The following is a sampling of the Structural Engineering projects completed recently by SEI. In each category, SEI has completed numerous other projects.

Multi-Story Condominiums

Park Station Condominiums at Orland Park, IL

Each condominium building has a garage plus four stories. Structure consists of load bearing masonry walls and internal steel beams and columns, with pre-cast hollow-core floor slabs. Roof structure consists of steel beams and open web timber joists.

Retail and Commercial Buildings

Retail Buildings at Naperville, IL

Two new commercial buildings for retail use. The construction consisted of steel beams and columns, load bearing masonry walls, and long span steel girders and roof joists with cantilever overhangs.

Restaurant at Cedar Lake, IN

Two story restaurant by the lake, built on caisson foundations. The first floor is structural, spanning to grade beams; second floor is composite deck on steel beams; and roof is partly steel deck and joists, and partly pre-engineered wood trusses.

Medical and other Office Buildings

Glendale Medical Center, Valparaiso, IN

A single story, wood framed structure with pre-engineered wood roof trusses, some tube steel columns, on concrete trench foundations.

Three Story Office Building at St.Charles, IL

Three story structure with load bearing masonry walls, steel beams and columns, composite concrete-steel deck floor systems, and steel joist roof structure. Features include a tall screen at the roof, and a drive through canopy for a bank at the ground floor.

High End Suburban Residences

Large Residence at Burr Ridge, IL

22000sq.ft , two story, SF residence, with a full walk out basement, grand staircases, flat roof for parties, and six car garage. The structure consisted of concrete foundations, steel columns, engineered wood framing and floor joist system.

Warehouse Conversions

Pet Boarding Facility at Midway Airport, Chicago, IL

Conversion of an existing two story warehouse building, including building additions on two sides. The conversion also involves creating additional openings, enclosure of a canopy, and strengthening of the existing mezzanine floor structure.

Industrial Buildings

Additions and Modifications for Day International, at Batavia, IL

The modifications and additions include construction of explosion resistant walls and structural roofs, steel platforms and equipment supports, a new tank building and storage tank area, and strengthening of existing roof joists to carry additional loads.

