

Residential:

**Genesee Penn and
American:**



ERA is the Structural Engineer of Record on the **Genesee Apartments & Townhomes at Penn & American in Bloomington, MN**. Construction began in June of 2011 and is scheduled for completion in late 2012. This is a multi-phase mixed-use development combining retail, restaurants and high-end apartments.

ERA designed three residential buildings and a precast parking ramp. A four-level, 60 unit apartment building is three levels of wood construction over two levels of precast concrete and includes 14,000 square feet of retail and restaurant space on the street level with one level of below grade parking. An eight-story, 152 unit apartment building uses metal stud construction and a townhome building with 22, two-level townhomes is four levels of wood construction.

**The Lofts at the
Farmers Market:**



The Lofts at the Farmer's Market in Lowertown Saint Paul, MN is located across the street from the Farmer's Market. ERA provided the structural design for this 56-unit, five-story apartment complex on the corner of Fifth and Wall streets.

The building houses four levels of apartment living above a street level of retail and parking space with an additional story of parking below grade. The first two levels utilized post tensioned concrete construction and the upper levels were of wood construction. The

construction budget for the project was \$7,500,000.00.

**Augsburg College
Student Housing:**



The **Oren Gateway Center at Augsburg College in Minneapolis, MN** utilized the ER-POST™ precast concrete truss system. This system offered more flexibility in the interior space layout.

The 110,000 square foot, four-story mixed-use facility utilizes the top two levels for student housing, the second floor is

occupied by administrative offices and the street level offers retail space with a below ground level of parking.

Residential:

Zaragon Place 2: **Zaragon Place 2** is the newest student housing development in **Ann Arbor, MI**. It is scheduled for Fall 2011 completion.

A two-story structure was leveled to make room for this 96,685 square foot building which includes apartment and retail space and 40 off-street parking spots. The building's first floor includes a lobby, manager's office, and exercise room; the second and third floors offer parking spaces and bicycle spaces. The next 11 levels have nine apartments each.



Bookmen Stacks:



Bookmen Stacks condominiums in **Minneapolis, MN** utilized the recently patented ER-POST™ precast concrete truss system. The trusses span approximately 70' and are spaced at 40' o.c. allowing for large bays. Each truss has the ability to support two floors simultaneously allowing alternate levels to be completely column free.

Column free spaces on the parking level resulted in a 15% increase in the parking capacity. This nine story building was erected in four weeks.

808 Berry:



808 Berry Apartments in **Saint Paul, MN** consists of four-stories of housing above grade (237 units) with one full level of below grade parking. The structure is wood construction with a precast plank floor between the first level and the parking garage.

Residential:

**Thirty-Eight
Commerce:**



ERA provided structural design for **Thirty-Eight Commerce**, an 85,800 square foot mixed-use commercial and residential structure in **Grand Rapids, MI**. Both the commercial building and the residential building are 8 story post-tensioned structures with store-fronts occupying the entire first level.

Higher Ground:



ERA is part of the team designing the **Higher Ground Facility** (formerly J. Jerome Boxleitner) in **Minneapolis, MN**. This residential center provides a variety of housing types designed to accommodate the complex needs of the

homeless. Starting with an emergency shelter on the first floor, resident amenities increase as one moves up through the building.

Exterior insulated precast panels not only serve as the structural load bearing element for the entire 7 story structure, but were cast with multiple colors and finishes. A number of the exterior panels were cast with 3 different architectural mix designs along with cast in thin brick in each individual panel to maximize efficiency in panel size and layout yet allowing color and texture flexibility.

Precast erection was primarily done as second shift work (at night, under lights) allowing other trades free and easy access to the tight site during normal working hours. This \$18.3 million, seven-story precast concrete structure was completed in 2012.

Spirit on Lake:



ERA provided the structural engineering services for **Spirit on Lake**, a new 56,000 square foot, wood framed four-story multi-family housing facility in **Minneapolis, MN**. It also includes a single level of below grade parking. The building will house 46 rental units and associated amenity rooms with 18,000 square feet of parking space for 48 cars.