

Parking

University of Saint Thomas:



The **University of St. Thomas** in Saint Paul, Minnesota opened their new **Anderson Parking Facility** in February of 2009. This is a five level, 725-stall ramp with one below grade level and was designed to accommodate two levels of future expansion. The facility exterior features the latest in pre-cast concrete technologies to simulate the look of brick and stone and is accented by glass enclosed staircase towers. University officials wanted a design that would fit with the existing campus aesthetic.



ERA detailed this entire project using BIM Revit Software.

One of the unique aspects of this parking facility was the addition of an observatory to the top level. This pre-cast structure houses a high-power telescope which is used by the University of Saint Thomas Department of Physics.

Plymouth Transit Center:



The **Station 73 Transit Center in Plymouth, Minnesota** consists of one level of slab on grade parking and three levels of elevated public parking deck.

The surface area of the parking deck on levels two and three is approximately 26,800 square feet each with 13,700 square feet on level four. The parking structure has open stairs to grade and an additional enclosed stair, elevator, and lobby.

Parking

Ikea Parking Ramp:



ERA provided the structural engineering services for the **Ikea Store Parking Facility** at the Mall of America in Bloomington, Minnesota. This 320-car precast parking structure was designed and constructed in four months.



The surface area of the parking deck is approximately 110,000 square feet with open stairs to grade with the on grade slab being asphalt paving.

Guthrie Theater Parking Ramp:



The **Guthrie Theater Parking Facility** in Minneapolis, Minnesota includes two levels of parking below grade and six levels above grade. The 1,000 car ramp is a post-tensioned concrete structure designed to comply with the City of Minneapolis design standards.

The top level of the ramp houses the Scene Shop for the Guthrie Theater production staff with two

skyway bridges and a below grade tunnel connecting to the theatre.

Children's Hospital and Clinics Parking Ramp:



The new parking ramp for **Children's Hospitals and Clinics** in Minneapolis was designed with several features to assimilate it not only into the hospital campus, but also into the surrounding neighborhood. Some of the features employed were the use of architectural precast concrete panels made using five integrated colors and textures, deep recesses, metal accents at openings

and metal latticework for vegetation. This parking ramp has a direct indoor connection to the Children's Specialty Care Center and Children's Hospital via a glass-enclosed skybridge. The ramp has a capacity for 679 vehicles and is designed to accommodate future expansion.



Parking

Regions Hospital Staff Parking Ramp:



The **Regions Hospital Staff Parking Ramp** is located in the Minnesota State Capitol Overlay District of Saint Paul, Minnesota and therefore required extensive presentations to and approval of the Capitol Area Architectural and Planning Board.

The ramp design features 'Green Screen' cladding, which serves as a frame to enable climbing plants to cover the structure. Alternating bays of trellis screening are emphasized by the precast columns which are pulled to the exterior. The screens are armatures for vegetation during the summer and snow and ice during the winter, creating a surface articulation that varies by season.

The ramp was completed in 2007 and has a capacity for 900 vehicles.

Park Nicollet Cancer Center Parking Ramp:



The **Park Nicollet Cancer Center Parking Ramp** in Saint Louis Park, Minnesota was completed in 2009. This is a six level, 1,700 car post-tensioned parking ramp with all levels above grade. There is an enclosed stair tower on the northwest corner and a stair elevator tower at the southeast corner adjacent to the connecting link to the new Cancer Center.

The ramp design included provisions for three future levels which equates to approximately an additional 1,000 cars.