WELLS CONCRETE
BRINGING CONCRETE TO LIFE

Location: Sartell, MN
Architect: Medical Design International
General Contractor: Winkelman Building Company
Precast Products: Load bearing, insulated precast wall panels in exposed aggregate
Precast architectural accents integral to panels
Medium sandblast finish and thin brick finish
Structural beams and columns
Double tee floors and roof

A LOOK AT ST. CLOUD ORTHOPEDIC

The physician group involved in financing and building the St. Cloud Orthopedic space saw the importance of longevity and durability and valued sustainability with their commitment to LEED, but held equal interest in the established budget. Precast as a building solution for healthcare environments is fitting for these reasons and many more.

Winkleman Building Company brought Wells Concrete to the table early in the design phase based on an established working relationship with other clients. Wells Concrete helped the design and construction team best leverage the right mix of concrete products to meet their goals.

Description:
This total precast structure presented a few challenges through design and construction with considerable effectiveness in the end result.

- With a parking garage beneath physical therapy there was a challenge in obtaining the desired load span to load ratio with heavy equipment physical therapy would include.
- At the entrance of the facility a radius spandrel panel with brick thin returns created the desired introduction to the space though it provided a complicated production challenge...a challenge well worth accommodating.
- There was a strong desire on the owner's part for day lighting in interior rooms and in the lobby area. This desire required careful design to accommodate the framing and loading necessary for snow and roof loads. In addition, framing accommodations were necessary to carry the 'clear story' while providing interior open space that was visually appealing.
- Precast stairwell walls provided a 2-hour fire rating while reducing the schedule by enhancing jobsite coordination, and provided access for trades throughout the construction phase.
- Access to the MRI suite required a removable exterior wall panel to install the MRI machine while providing future flexibility to update the equipment.