

# Healthcare

## Akron Children’s Hospital Kay Jewelers Pavilion (Critical Care Tower)

Akron, OH | \$178,000,000 | 434,200 SF

The \$178,000,000 project consists of a 240,000 SF medical office building, new central atrium and 100,000 SF critical care NICU, and will serve as a child-focused patient and visitor welcome center that will streamline access to the campus. The expansion includes a new neonatal intensive care unit, new emergency department, six dedicated outpatient surgical suites, an additional 80,000 SF of shelled space to accommodate future growth, and a connecting corridor and atrium to the existing facility. This project also includes a new rooftop heliport and a pedestrian bridge leading to the new 1,200 space parking deck.

Project incorporated IPD and LEAN design principles, utilizing numerous new design and process concepts including target value costing, A3 Generic problem solving, Choosing by Advantage (CBA), Function Analysis, Innovation Teams, Daily Huddles, Trade Partners, Pull Planning, “Big Room” with team weeks, LEAN boot camp and Built-in-Quality.

LEAN Design was used extensively on the project and involved the systematic elimination of wasted effort starting with the design process through construction in the field. Full scale interior space models were constructed in an off site warehouse to allow hospital staff the opportunity to maneuver in their space prior to actual construction.



### Structural Systems:

**Foundation:** Spread footing on a ground improvement system

**Structure:** Two-way cast-in-place flat slab system

