

Executive Summary

The Pavilion at Penn Medicine
Category C

The largest project in Penn Medicine history, the Pavilion is a \$1.6 billion, 17-story, state-of-the-art hospital with a 690-stall subterranean parking garage topped by a 1.5-million-square-foot high rise superstructure, home to 504 private patient rooms and 47 operating/interventional rooms.

Occupying a highly visible spot, the Pavilion links the Hospital of University of Pennsylvania to the neighboring Penn campus and adjacent Perelman Center for Advanced Medicine through three pedestrian sky bridges. It also continues Philadelphia's civic tradition, weaving public spaces with a promenade, plaza and garden spaces that connect with the Penn Museum of Archaeology and Anthropology and SEPTA.

To build the new flagship facility, Penn Medicine turned to PennFIRST — an integrated planning, design and construction team. Integrated project delivery fostered innovation and creativity and solved design challenges associated with placing a high-rise hospital on an irregular, narrow, urban site.

The patient tower's northernmost 50-feet suspends from five hidden trusses high above the promenade within the building façade and mechanical spaces. The large underground precast parking garage descends 65 feet below grade and uses multi-story steel trusses to transfer the column grids from the tower above. Large steel plate girders transfer column loads around the loading dock, directly below the hospital tower and plaza, to the mat foundations below. Opened in fall 2021, the new Pavilion enhances the public experience, reflects the historic campus location and resonates with the existing hospital complex. It is a beacon of hope for patients and an exemplar for the future of hospital design.