

Susquehanna Health Patient Tower Expansion



Project Team

Owner:	SUSQUEHANNA HEALTH
CM Agency:	L.F. DRISCOLL CO. LLC.
Architect:	GRANARY ASSOCIATES
Structural Eng.:	O'DONNELL & NACCARATO
MEP Engineer:	PWI INC.
Civil Engineer:	LARSON DESIGN GROUP

Structural System

Foundation System:	-150 psi PennDot 2A Stone -Conventional Spread/Column and Continuous Wall Footing Foundations With Bearing Capacity of 4,000 psf
Structure:	-6" 150 psi Slab on Grade -5" Concrete Slab on 3" Steel Deck -Moment Steel Frame Design
Facade:	-Architectural Precast Panels -Precast Panels with Brick Veneer -Curtain Wall -Insulated Metal Panels
Roof :	-6 1/2" concrete Slab on 3" Steel Deck -Single-PLY Roofing Membrane -Vegetation on 4 of the 5 Roofs

Mechanical / Electrical Systems

-8 Variable Air Volume Air Handling Units Ranging From 24,000-63,000 CFM
-2 3300 gpm Chillers and related Cooling Towers
-3 150 Gallon Boilers and related Steam & Hot Water Tanks
-2.0 MW Cogen Waste hot water heat recovery system (Natural Gas)
-2 Diesel Emergency Power Generators
-12.7KV Transformer on 3-Phase 480/277 4 Wire Circuit
-15 KV Feeder

Total Height	6 STORIES
Gross Area:	243,000 SQFT
GMP Amount:	\$82,297,101.00
Construction Dates:	10/22/2009 - 9/19/2012

Architecture

Designed to be the entrance for Williamsport regional medical center, the new patient tower faces and overlooks the city. This design shows the care Susquehanna Health has for the community because in previous years the building had pointed away from the city almost shunning it. The building was designed to become a visible landmark and to reach out to the community. This six-story 243,000 square foot tower features 84 single-occupancy rooms, increase privacy, and improved patient care. Private rooms provide an environment in which confidential patient history information is easily accessed and enables the isolation of patients to prevent transmission of infection.

The patient tower also features a two-story entrance for expanded emergency and imaging departments the Second floor houses new intensive care and critical care units and a high-tech education and innovation center. The third floor is comprised of surgical areas with new operating rooms. The fourth floor on the other hand houses orthopedics and spine research and surgical areas.



Construction Logistics

This project will be completed in six different phases. The first phase of this project is the construction of the central utility plant located on the most western part of the site. The next phase of construction is a mechanical chase and pedestrian walkway connecting the central utility plant to the existing hospital. After all mechanical equipment has been installed and tested, the foundations for the patient tower expansion will be constructed. The fourth phase of this project is the East Tower. After steel is erected and the metal deck is installed on the East Tower, construction on the West Tower can begin. The two towers will then be connected thus bringing the entire structure together. The sixth and final phase of this project will be the tying in of the East and West Towers to the existing hospital.

