



CHESTER COUNTY HOSPITAL

Emergency Room Access Corridor

CHALLENGE

- Hospital needed a corridor ASAP to provide continued access to emergency room and avoid delays to multi-million dollar expansion
- Location nearly impossible to access for crews, materials, equipment, etc.
- Modules had to be lifted over unusually long distance due to intervening structures

SOLUTION

- Simultaneous off-site construction and site prep to speed completion
- 95% completed off-site—structural steel, poured concrete floors, spray foam insulation, primed interiors, painted exteriors and gutters
- Broken into 3 modules to minimize weight so that crane could lift them over long span

SUCCESS

- Ready in just weeks with minimal disruption to ER operations and multi-million dollar expansion project
- 20% savings compared to the cost of building corridor on site
- Avoided tens of thousands of dollars in added expense by preventing delays to multi-million dollar expansion



The University of Pennsylvania Chester County Hospital needed a "temporary" corridor ASAP to enable continued direct access to the Emergency Department while ongoing construction of a multi-million-dollar expansion forged ahead. The corridor was temporary only in the sense that once expansion is completed in 2022, the corridor will be removed. Otherwise, it had to meet the strict requirements associated with permanent structures, including 2-hour rating for fire resistance, minimum 8-foot clearance wall-to-wall, and the ability to stand up to the heavy traffic.

The narrow area for the hallway was virtually inaccessible due to a number of factors, including how the two hospital

wings were situated. Using conventional construction methods would have been expensive and time-consuming. However, these costs and delays were avoided by building the modules off-site and simply dropping them into the highly confined space.

In fact, the ability of site preparation and off-site construction to take place simultaneously shortened the schedule to just weeks, minimizing disruption to the ongoing multi-million-dollar expansion. Building off-site provided labor efficiencies, too, with most of the work completed outside the prevailing wage standards of Chester County. The result was an approximate 20% savings overall compared to the site-built option.

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Emergency Room Access Corridor

TIMELINE

3 weeks

SIZE

615 SF

LOCATION

West Chester, PA

CLIENT

University of Pennsylvania

