

Case in Point: The Renaissance Project The Toledo Hospital & Toledo Children's Hospital



Conceptual budgeting services began with Dunbar's help more than three years before construction began on The Renaissance Project. Dunbar Mechanical's services included heating & plumbing, medical gas, balancing and commissioning, as well as the procurement of all HVAC equipment, plumbing/fixtures, insulation and ductwork.

The tight construction site provided many challenges as it was adjacent (and over!) existing facilities. Underground utilities needed to be rerouted, including the main sewer line, without shutting down ANY of the hospital's functions. Effluent discharge continued at 100% of normal operations throughout construction. Dunbar configured two tie-ins for the cutovers to ensure hospital functions were undisturbed. All connections into existing systems were completed at night to minimize hospital interruptions, with special care taken to coordinate activities in areas with patient access.



Project Details

- 289 private adult and pediatric patient rooms
- 466,000 square feet in 10 levels
- separate, distinct entrances for The Toledo Hospital and Toledo Children's Hospital.



- Entrance snow melt systems (construction shown above) for safety
- rooftop heliport
- shell capacity for future rooms and expansion
- 28,500 feet (5.4 miles) of piping for steam, chilled water, hot water and medical gasses
- 177 tons of galvanized sheet metal ductwork
- 3,100 grills, registers and diffusers
- 415 thermostats
- 6 air handling units processing 240,000 cubic feet per minute
- 4,616 pounds of steam processed per hour for humidification

Ease of Maintenance Planned and Achieved

Operational costs part of cost/value equation

On Time and Under Budget Completion

A key result of getting Dunbar involved early

Your Special  Contractor

