A 40,000sf renovation of St. Luke’s “Allen Calder” wing. This part of the Hospital, built in the 1950’s, consisted of an original perimeter heating system and through-window air conditioners.

With only 10ft floor-to-floor dimensions, finding room for new HVAC, sprinklers, lighting, medical gasses, plumbing and specialty systems was very challenging. Adding to the complexity was the owners’ desire to build the project one floor at a time while the floors above and below remained operational.

Part of what made this project a success was an innovative HVAC design that consisted of an active chilled beam system. Requiring small ductwork to deliver ventilation air only, these terminals, requiring no fans or wiring not only provided individual room control, but operated virtually silent and nearly eliminated the need for hospital personnel to enter patient rooms to maintain them. Working with the project architect and the owner, medical gasses, lighting systems and toilet/shower rooms were set up to aid the nursing staff provide efficient, effective patient care within the patient rooms. In the nursing area’s, lighting & nurse call systems were set up for the staff as they wanted it and plenty of cooling was provided in the corridors where nurses said they needed it “cold”.

CLIENT
Faxton-St. Luke’s Health Care

COMPLETION
2007

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