Project Information
Name: Women’s Center and Inpatient Tower
Occupant: Baltimore Washington Medical Center
Size: 310,300 SF, 10 Stories
Dates of Construction: July 2006- March 2009
Cost: Building: $59,386,202; Overall: $68,173,861
Project Delivery Method: CM @ Risk

Project Team
Owner: University of Maryland Medical System
Construction Manager: Whiting-Turner Contracting
Architect: Cannon Design
Structural Engineer: Whitney, Bailey, Cox, & Magnani
Mechanical/Plumbing Engineer: Leach Wallace
Geotechnical Engineer: Marshall Engineering

Architecture
- The façade composed of tan brick veneer, glass curtain-wall, and an EIFS System with ribbon window units.
- Two bridges join the Patient Tower and West Lobby Area to the existing hospital
- Atrium with three angled skylights provides a relaxing space with plenty of natural sunlight.
- Patient rooms, exam rooms, sleep rooms, diagnostic-testing, labor and c-section rooms, and infusion rooms

Structural System
- Foundation: 4000psi Concrete Spread Footings and helical piers supporting existing hospital
- Primary Framing System: 5000psi Cast-in-place concrete slabs with 6 ½” drop panels at each column
- Framing above existing mechanical room: Steel Truss framing with Precast Hollow-core concrete planks and concrete topping
- Bridge Framing: steel framing with 3 ¼” thick concrete slab on composite metal decking.

Mechanical
- Two Air-Handling Units with capacity of 102,000 CFM
- One Air-Handling Unit with a capacity of 45,000 CFM
- One Centrifugal Chiller with a capacity of 1000 Tons
- Two Cooling Towers capacity of 500 Tons serving chiller

Plumbing
- Medical Gas/Vacuum Zone Valve Boxes: vacuum, oxygen, medical air, and high pressure oxygen outlets
- Medical Air Compressor with capacity of 50psi / 60 SCFM

Electrical
- 13.2KV Primary service distributed
- Secondary service is 480Y/277V, 3 Phase, 4 Wire
- One 13.2KV switchgear switches two primary 2000KVA Transformers
- One 13.2KV switchgear switches two primary 3000KVA Transformers
- Thirty-two 480-208/120V transformers ranging from 30 to 150KVA
- One Emergency Generator Switchgear
- Two 1500KW, 480Y/277V Diesel Engine-Generators
- Two 480V Motors