

LAYFIELD TOWER



GENERAL BUILDING DATA

Location: Salisbury, MD

Occupancy: Hospital, Offices

Size: 210,000 square feet

Height: 70 feet, 3 stories above grade, 1 story below

Construction Dates: August 2006—May 2008

Building Cost: \$70 million

Delivery Method: Design-Bid-Build

PROJECT TEAM

Owner:

Peninsula Regional Medical Center

Architect:

Odell Associates

Structural Engineer:

Odell Associates

MEP Engineer:

James Posey Associates, Inc.

Construction Managers:

Barton Malow Company

SPN



ARCHITECTURE

Precast concrete panels and strip windows make up the façade

Heliport on lower roof with ramp access to third floor of main tower

Steel canopies at ambulance entrance and walk-in entrance

STRUCTURAL SYSTEM

Spread footings and grade beams under foundation walls

Structural steel frame construction

Braced frame lateral system

Composite metal deck with 4" 3000 psi normal weight concrete

MEP SYSTEMS

(2) Air handling units

(2) Chillers

(16) Isolation rooms with separate exhaust systems



Christopher Vanaskie - Structural Option

<http://www.engr.psu.edu/ae/thesis/portfolios/2009/cjv126/>