

# City Hospital Pennsylvania Phase I



## Project Team:

**Owner:** City Hospital

**Architect:** Ballinger

**MEP Engineer:** BR+A

**Structural Engineer:** LeMessurier Consultants

**Construction Manager:** Turner Construction Company

## Project Information:

**Size:** 200,000 s.f.

**Number of stories:** 3.5

**Date of Construction:** March 2005 – December 2007

**Project Cost :** \$ 156 Million

**Delivery Method:** CM at Risk

## Architecture:

Four story “L” shaped sub grade central utility plant with adjoining research space

Construction will occur in phases

Highest poured concrete shear walls in S.E. PA

Roof of central utility plant accommodates traffic loading

## Mechanical:

(1) 2,000 ton steam turbine chiller

(1) 2,000 ton electrical chiller

(4) 1,000 ton cooling towers

(4) 800 HP dual fuel boilers

18 air handling units ranging from 2,500 to 100,000 CFM

(2) 120,000 CFM exhaust air handling units with heat recovery



## Electrical:

(2) 13.2 KV service feed

(3) 5000 KVA substation

(2) 2 MW emergency generator

480/277V distribution stepped down to 208/120V

Predominantly fluorescent lighting supplied at 277V

## Structural:

Concrete slab on composite steel deck (4 ksi)

Steel frame with concrete shear wall (4 ksi)

Concrete spread footing foundation (4 ksi)

CMU cavity wall system