

# GEISINGER CENTER FOR HEALTH RESEARCH AND RURAL ADVOCACY (CHRR)

Angela Nudy  
Lighting Electrical

## Architecture

- Glass curtain wall facade
- Curvilinear plan following path from main hospital
- 2nd story roof garden
- Elipsodial auditorium
- Underground tunnel connecting with adjacent Foss Clinic
- Slated to become LEED Silver

## Primary Project Team

- Owner: Geisinger Health System
- Construction Manager: CSS Facilities Admin,
- Architect/Engineer: Ewing Cole
- Civil Engineer: Borton Lawson

## Construction

- 63,000 sq ft
- 3 levels above grade
- \$18.5M total project cost
- May 2005- February 2007 (scheduled)

## Structural

- Basement: reinforced concrete walls/footings, and 5" concrete slab on grade (4000psi concrete)
- Floor Framing: 3-1/4" lightweight concrete on 2"-20gauge composite metal floor deck, with structural steel wide flange beams/girders
- Roof: structural steel wide flange beams and girders ranging in size from W8x10 to W18x40

## Electrical

- 12.47KV campus distribution to building from adjacent Weis Research Center
- (1) 1500KV/1750KVA 12.47-480/277 substation transformer
- 480/277v distribution for all motor loads
- 208/120v distribution for all lighting and receptacle loads
- 1250KW 480/277v emergency generator with emergency standby motor control center

## HVAC

- (2) 500-ton tower tech cooling towers with variable frequency drive
- (4) AHUs ranging from 10 to 40 Hp with economizer section and return fans ranging from 3 to 20 Hp
- Linear slot ceiling diffusers in all public spaces
- Adjacent Weis Research Center pressure steam and pumped condensate piping will accommodate CHRR

## Lighting

- Interior: fluorescent and induction lighting
- Central dimming control system with photocells
- Exterior: high pressure sodium and metal halide