Geisinger Gray’s Woods Ambulatory Care Campus - Phase II
Port Matilda, PA

Project Overview:

Owner: Geisinger Healthcare Systems
Function: Outpatient Surgery
Size: 77,560 GSF
Height: 2 stories (48’)
Cost: $26.3 Million GMP
Construction: July ’14 - Feb. ’14
Delivery: Design-Bid-Build
LEED: LEED Certified

Architectural Features:

Follows the design features set by phase 1 (2008):
- Curtain Walls along northern facade made of aluminum framing & low-E glass
- Brick cavity walls along sides and back facades with metal stud (CFMD) back-up
- EPDM (Synthetic Rubber) flat roof
- Sloped Roof with skylights
3,300SF Plant to house MEP equipment
Metal canopy structures above both of building’s main entrances

Project Team:

Contractor: Alexander Building C.
Architect: Ewing Cole
Structural Engineer: Ewing Cole
MEP Engineer: Ewing Cole
Civil Engineer: Sweetland Engineering

Structural System:

Cast-In-Place Shallow foundation (3.5’ deep):
- Pier, wall footings and grade beams
- 5’ Slab on Grade
Two-story steel framed structure
- 30’ high steel wide flange members
Composite metal deck floors:
- 3 1/4” LW Concrete on 2” Metal Decking
Sloped Metal Roof
- 6” metal studs over w8 wide flanges

Mechanical System:

Air-Water Distribution System:
Cooling:
- 4 Rooftop AHU’s with economizer cycles
- Variable Air Volume (VAV) Control Boxes
- 1,100GPM Cooling Tower
- 250 Ton Water Chiller
Heating:
- 3,500 MBH Gas Hot Water Boiler
- Unit heaters, fan coil units, and radiant heat panels for heating at different zones

Electrical System:

3-phase, 60Hz transformer providing 480/277V
- 2,500A Main Distribution Panel feeding various mechanical equipment and distribution panels
Step-down transformers (208/110V) for appliances
Lighting:
- T8 & Compact Fluorescent Lights
- Occupancy and Photosensors
Emergency Power Systems:
- 400kW Emergency Generator
- Emergency Electrical Room that houses a 300kVA Modular UPS Emergency Power and a 400A Emergency Distribution Panel

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http://www. engr .psu.edu/ae/thesis/portfolios/2014/gma5074/