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:

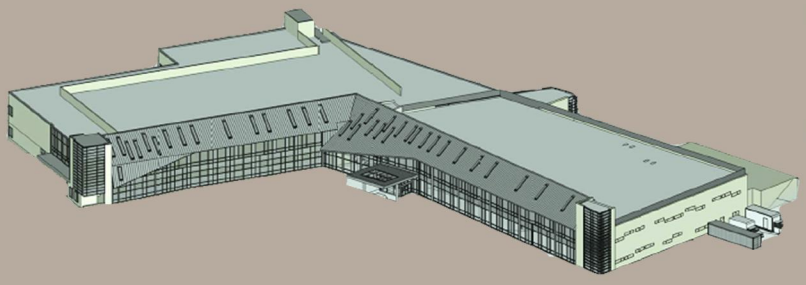
Follows the design features set by phase I (2008):
- Curtain Walls along northern facade made of aluminum framing & low-E glass
- Brick cavity walls along sides and back facades with metal stud (CFMD) back-up
- EPDM (Synthetic Rubber) flat roof
- Sloped Roof with skylights

3,300SF Plant to house MEP equipment
Metal canopy structures above both of building's main entrances

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



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

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
- Occupansy 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

EWING COLE

George Andonie | Construction Option

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

ALEXANDER
A BUTZ FAMILY COMPANY