

Geisinger Health System Gray's Woods – Phase 2



This two story 77,560 SF addition included an Ambulatory Surgical Center and Outpatient Clinical Service Center. S. P. McCarl & Company installed both the HVAC & plumbing systems and served as the lead BIM contractor.

S.P. McCarl & Company installed three rooftop units as well as an energy recovery unit that serves the operating rooms and endoscopy suites. We also installed four operating room HEPA filtration ceiling diffuser systems and new medical gas systems including: instrument air compressors, medical air compressors and vacuum pumps, bulk oxygen tank with reserve tank, master and zone medical gas alarm panels and wiring.



Updates to the existing central utility plant included a new hot water boiler, chiller and cooling tower, as well as two gas fired domestic hot water heaters. Mechanical and plumbing systems included the fabrication and installation of 150,000 pounds of ductwork, along with 11,000 feet of piping ranging in various sizes.

As the lead BIM contractor, S.P. McCarl coordinated all drawings and BIM information across all trades. The BIM model provided great accuracy and efficiency for our ductwork fabrication and allowed us to optimize and maximize the pip fabrication in our shop. This process was critical for the compressed schedule and allowed the hangers to be accurately installed in days rather than weeks.

The scheduled required multiple shifts in our duct fabrication shop to get ahead of the schedule. 150,000 pounds of ductwork was fabrication in a few months.

