

Baldwin Area Medical Center



Project Specs:

- This facility will span 100,000 square feet.
- The 95-acre campus will have an improved layout and increased operating efficiencies for staff and patients.
- GHAC and Hooper have been working with Boldt Construction to ensure the facility becomes LEED certified.
- The facility will use geothermal technology to heat and cool the building and storm water will be retained onsite and filtered naturally with local vegetation. Baldwin Area Medical Center will also take the necessary measures to conserve natural resources, use recyclable materials, and protect both air and water quality.

GHAC Role:

- GHAC crews are installing fan coil units, heat recovery chillers, rooftop air handling units, chilled beams, exhaust fans, kitchen ventilation system, duct work and aquatherm polypropylene (PPR) piping.
- GHAC is using a ground source geothermal heat pump for heating and cooling. No other heat source is being used.
- Custom rooftop air handling units use enthalpy wheels to recover energy from one airstream to another. This saves energy by taking warm exhaust air and preheating cold outdoor air.
- The GHAC team used cost reduction strategies to keep the owner within budget while also keeping high end, energy efficient systems in place.
- All prefabricated sheet metal and duct work is made in the Madison fabrication shop and shipped to Baldwin where it is assembled in a leased shop.

Hooper Role:

- Hooper crews are installing water heaters, water softeners, RO water generation units, medical gas source equipment, water piping, sanitary waste and vent piping, storm drains, chemical waste piping, natural gas piping and medical gas systems.
- The plumbing systems were designed and installed to allow future expansion and upgrades in equipment as technology continues to change.
- The plumbing fixtures were selected to be functional for a hospital setting, but low flow where applicable to be as “green” as possible.
- Based on the location of the facility from the Hooper headquarters and the compressed construction schedule, it was imperative Hooper crews were able to prefabricate a large percentage of the piping to cut down on the install time. This was made possible through early BIM coordination between all the trades.

PPR piping and spiral ductwork in the mechanical room.

