

**Health Campus Orthopedic Center:**

This project consisted of a 23,000 square foot addition of an Orthopedic Outpatient Care Center where everything from x-rays to casting can be performed. The existing Dowling Hall building was expanded up by one level using the buildings existing foundation and infrastructure.

**Project Scope:**

IPS was responsible to route utilities from the existing mechanical room to supply heating to a new Orthopedic Center through fin tube radiation and VAV units located throughout the building. We supplied and installed a 25,000 CFM custom Air Handling Unit which feeds the new Orthopedic Center and any future expansions to come. IPS was also responsible for all of the plumbing to the new facility which included patient restrooms, patient exam room sinks, and cast room fixtures. Our subcontractors included Sheetmetal, Insulation, Temperature Control, and Balancing.

**Challenges:**

The most challenging aspect of this project was to work with the pre-existing conditions while keeping the facility open and operational. Routing of utilities through existing areas was a challenge in itself since AsBuilt Drawings were not available and precise field verification was a necessity. Everything from field routing piping, to exact layout of over 80 hole cores through the existing pre-cast floor slab so as to not hit any reinforcement. Ground Penetration Radar was used to identify existing reinforcement.



**Project Duration:** 11 Months

**Project Cost:** \$1.1 Million

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