



University Large Auditorium

HVAC Upgrades

Contract Value: \$5.8 Million

Project Description: S. P. McCarl & Company, Inc. installed all the new HVAC systems for multiple facilities on campus. The scope included major renovations to the university's auditorium, but included 2600 linear feet of direct buried pipe as well. The underground pipe connected the chiller plant to dormitory halls as well as the library. The scope of work included the installation of both HVAC piping and sheet metal systems, as well as HVAC equipment including: heat exchangers, air separators, chemical feeders, condensing units, and air handlers, to name a few. The size of the ductwork in locations was as large as 16 feet wide and the total length of ductwork was approximately 5,000 feet.

The work in the chiller plant included installing two – 1000 ton chillers and two – 1000 ton cooling towers as well as 6 large pumps. With approximately 4,000 linear feet of piping installed in the chiller plant ranging from ¾" diameter to as large as 24", well over 1500 linear feet of piping installed in the chiller plant was between 10" and 24" in diameter. The chillers were set in mid June of 2007 and our crews ensured that the chiller plant was operational and back on line the first week of September that year. The high volume of large diameter pipe was very conducive for shop fabrication which enabled us to be even more efficient on the project.

Technical Challenge: As mentioned above the project included work in multiple locations on campus that required close monitoring and coordination by our Project Manager. Much of the work involved very tight working conditions which made it difficult to work with multiple trades in confined areas.

