

Heard Museum HVAC Upgrades

Phoenix, AZ

Project Information

- Collection Square Footage: 24,000 sf
- Controls Upgrade Square footage: 80,000 sf
- Construction Cost: 1.5 million
- Completion Date: Fall 2007

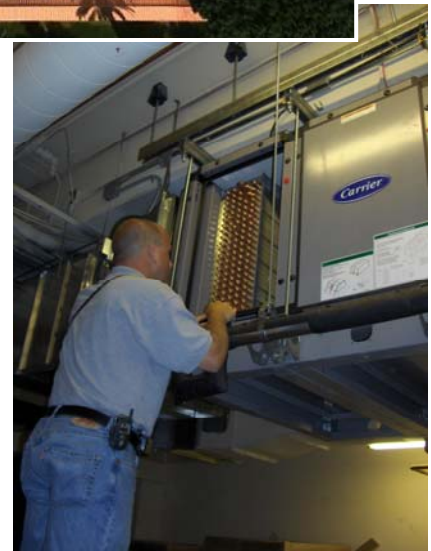
Design Engineering

- New exhibit gallery and collections storage climate controlled air handling systems utilizing chilled water for cooling and dehumidification, hot water for heating and dehumidification reheat, electric steam generating humidifiers for humidification, and high efficiency particulate/gas phase filters for pollution removal.
- Custom designed circulation fan units with electric reheat in the collection storage areas were installed as replacement of the existing undersized ductwork was not practical. These fan units provided the additional required air circulation to the storage areas in order to minimize micro-climates within the space.

System Integration

- Control panel design and fabrication
- Easy to use front-end user interface
- Controller programming
- Furnished all instrumentation
- Commissioning of HVAC and controls systems

The internationally acclaimed Heard Museum is one of the best places to experience the myriad cultures and art of Native Americans of the Southwest and beyond. In 2007, the Heard Museum completed a major renovation to the HVAC systems serving their 24,000 square feet of collections storage. **ICDS** provided complete design engineering services to replace the existing HVAC systems with equipment that could provide precision temperature and humidity control as well as effectively remove particulate and gaseous pollutants. In addition, **ICDS** provided control system integration services in conjunction with a local installing contractor to replace all of the building automation systems for the exhibit gallery and collections storage climate control systems. These value-added services permitted **ICDS** to technically supervise all control work and provide a comprehensive commissioning of mechanical and controls systems.



ICDS

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