Masonic Complex of Missouri
Masonic Grand Lodge

Columbia, MO

Description:
As prime contractor, IFS completed a $1.8M renovation of the Masonic Complex of Missouri. The project remedied erratic temperature swings and humidity issues in order to protect and preserve rare and one-of-a-kind Masonic artifacts housed at the museum located within the facility. The 10 month project also included constructing a separate storage area, upgrading the lighting and lighting controls system, renovating and replacing HVAC systems, and installing a new HVAC controls system.

Scope of Work:
The IFS team determined that the excessive humidity was caused by an inefficient mechanical system design. IFS designed a new HVAC solution to maintain tight humidity and temperature requirements. All of the mechanical systems throughout the 50,000sf, two-story facility were renovated or replaced. IFS' Building Automation team designed and installed a new, 35-zone controls system that allowed for remote monitoring and improved efficiency, comfort and control. A vapor barrier was added around the perimeter of the top floor to prevent moisture and unconditioned air from entering the building.

Solution Provided:
Specialized equipment was used to meet the strict environmental requirements of the 50,000-square-foot Masonic Museum. The museum houses a range of exhibits that document the critical role the Masons played in shaping Missouri's early history. Featured exhibits include Laura Ingalls Wilder's gloves and a Harry S. Truman display.

HIGHLIGHTS

PROJECT TYPE:
Automation

CLIENT:
Masonic Complex