

GRAND LODGE OF MISSOURI

COLUMBIA, MISSOURI, UNITED STATES

ADMINISTRATION

OVERVIEW

The Grand Lodge of Missouri is a meeting place for Masonry members and their families. The building also houses a library, an archive, and a museum of rare Masonic artifacts and exhibits that illustrate the critical role the Masons played in shaping Missouri's early history, including Laura Ingalls Wilder's gloves and a Harry S. Truman display.

PROJECT DETAILS

Reliable Controls Authorized Dealer Integrated Facility Services (IFS) retrofitted the Grand Lodge of Missouri with a Reliable Controls system.

The 10-month renovation involved the construction of a separate storage area, upgrades to the lighting and lighting controls system with MACH-ProLight controllers, renovating and replacing the HVAC equipment, and installing a new HVAC control system that includes many MACH-Pro2, MACH-ProAir, and MACH-ProZone controllers. IFS installed MACH-ProPoint expansion modules to increase system flexibility.

IFS was able to address excessive humidity caused by the existing mechanical system. Contractors added a vapor barrier around the perimeter of the top floor to prevent moisture and unconditioned air from entering the building. IFS designed a HVAC solution that maintains tight humidity and temperature conditions with 35 independently controlled zones, improving energy efficiency, occupant comfort and controllability.

The building was occupied for the duration of the retrofit, and IFS was careful to coordinate with the project managers and facility owners. The result was a happy customer, pleased with a space that now functions as it should and preserves the integrity of its museum artifacts. Reliable Controls and IFS were thrilled to be part of this project.

To learn more about projects that use Reliable Controls, visit reliablecontrols.com/projects/overview



PROJECT TYPE

Retrofit

TOTAL AREA

4,645 m² (50,000 ft²)

INSTALLATION TYPE

Boiler, chiller, HVAC, lighting, smoke, variable air volume

EQUIPMENT INSTALLED

8 MACH-Pro2™ controllers
 36 MACH-ProAir™ controllers
 4 MACH-ProLight™ controllers
 6 MACH-ProPoint™ expansion modules
 8 MACH-ProZone™ controllers

NETWORK

Ethernet, wireless

PROTOCOL

BACnet

POINTS

6,500

RELIABLE CONTROLS AUTHORIZED DEALER

