



St. Louis Central Library: St. Louis, MO

[Home / St. Louis Central Library: St. Louis, MO](#)

PROJECT DESCRIPTION

Client: St. Louis Public Library
Project: Historic Renovation
General Contractor: BSI Constructors
Floor Area: 190,000 sf
Construction Schedule: Two years

PROJECT APPROACH

Design/Build

ROLE

Installing HVAC Contractor
Full-time Onsite Project Manager

PROJECT CHALLENGE/SOLUTION

The two-year restoration of the historic, 1912 St. Louis Central Library in Downtown St. Louis presented many unique challenges. The Wiegmann team's out-of-the-box thinking was required to develop the means and methods for installing new HVAC systems within the historic building. Our value engineering provided a streamlined system for the auditorium and ancillary spaces that saved the owner up-front and long-term operating costs.

A Daikin Variable Refrigerant Flow (VRF) system with a dedicated outdoor air system also was used to minimize energy consumption. This project is one of the largest Daikin VRF installations in the St. Louis area.

In addition to the permanent HVAC installation, we provided temporary heating and cooling throughout the construction cycle to minimize damage to historic decorations and finishes.

PROJECT SCOPE

Furnished and installed:

- Daikin Applied VRF systems and piping
- Dedicated outdoor air systems
- Cooling Tower
- Chiller
- Pumps
- Boilers
- Heat exchangers
- Delta Control System with customized graphics

