



Marijuana Cultivation Facility #2: St. Louis , MO



PROJECT DESCRIPTION

Client: A Medical Marijuana Cultivation and Manufacturing Facility in St. Louis, MO

Project: Cannabis Cultivation and Manufacturing Facility Expansion

Floor Area: 14,600sf

Construction Schedule: Completed May 2021

General Contractor: Kadean Construction

ROLE

Installing Mechanical Contractor
Engineer of Record (EOR)

PROJECT APPROACH

Design/Build

PROJECT SCOPE

Wiegmann Associates was the Mechanical Engineer of Record and Installing Mechanical Contractor for the expansion of their client's new state-of-the-art cannabis cultivation facility. The goal of the project was to expand the client's current facilities to increase their growing capabilities and to efficiently manufacture their product once harvested. Wiegmann was tasked with designing a cost effective system that was able to maintain the correct space temperature and humidity requirements and installing the systems in a timely manner. The primary project challenge was the fully functional manufacturing area that needed to be designed to local and state guidelines.

Wiegmann achieved the client's goals by designing, furnishing, and installing the HVAC equipment for the entire facility including a new office area, two new grow rooms and a manufacturing area. The office and manufacturing area are served by DX rooftop units while the grow rooms are served by high efficient rooftop units with dehumidification capabilities. We also installed CO2 piping for the grow room CO2 enrichment and manufacturing needs as well as compressed air piping.

This facility is one of the first in Missouri to receive commencement for growing and manufacturing of medicinal marijuana by the Missouri Department of Health and Senior Services.



CONSERVING ENERGY BY DESIGN

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