



## Proper Brands Marijuana Cultivation Facility: St. Louis, MO



### PROJECT DESCRIPTION

**Client:** Proper Brands

**Project:** Cannabis Cultivation & Manufacturing Facility

**Floor Area:** 58,000sf w/ 20,000sf grow space

**General Contractor:** Kadean Construction

### PROJECT APPROACH

Design/Build

### ROLE

Engineer of Record

Installing HVAC Contractor

### PROJECT SCOPE

Wiegmann Associates tapped into their extensive experience engineering complex systems for temperature and humidity-controlled specialty projects as the Mechanical Engineer of Record for Proper Brands' state-of-the-art 58,000-square-foot cannabis cultivation facility.

The project involved converting an existing building into a specialized cultivation facility with strict temperature and humidity requirements.

Wiegmann designed, coordinated, and installed the HVAC components for the office, propagation rooms, vegetation rooms, flower rooms, trim rooms, dry rooms, extraction rooms and a full-service kitchen. Proper Brands is one of the first cannabis cultivators in Missouri to receive commencement for growing and manufacturing of medicinal marijuana by the Missouri Department of Health and Senior Services.

### PROJECT CHALLENGE

BA primary project challenge was the restrictive space limitations. A movable vertical rack system doubled the amount of flowering canopy area. Because grow rooms require a large amount of cooling to offset the heat produced by the intense lighting, Wiegmann's engineers had to effectively design systems to provide the owner with the most amount of growth space possible.



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