

Streets of St. Charles: St. Charles, MO



PROJECT DESCRIPTION

Client: Cullinan Properties, Ltd.

General Contractor: Brinkmann Constructors

Architect: Oculus Inc.

Floor Area: 60,000 sf

Construction Schedule: Completed Feb. 2019

Project: New Construction Retail & Office Building

PROJECT APPROACH

Plan/Spec

Value Engineering

ROLE

Installing Mechanical Contractor

Value Engineer



PROJECT SCOPE

Wiegmann's HVAC design solution features an energy efficient, high-performing Rooftop Variable Air Volume (VAV) HVAC system to serve the new three-story, mixed-use building. Retail spaces comprise the first floor. Offices will be housed on the top two floors, which Wiegmann will finish for the new tenant, Elekta.

PROJECT CHALLENGE/SOLUTION

Wiegmann's value engineering of the HVAC system, which including right-sizing equipment and streamlining duct design, saved more than 43 percent on upfront costs. Wiegmann also designed and installed a custom Delta Controls Direct Digital Control (DDC) system, which allows the owner to remotely monitor and control the HVAC system. This Building Automation System improves acoustical performance, optimizes energy savings and reduces operating costs by decreasing fan and electric reheat energy.