



Senior Living Center: St. Louis, MO



PROJECT DESCRIPTION

Client: Senior Care Center

Project: Redevelopment of Senior Care Facility

Floor Area: 40,000 sf

General Contractor: K&S Associates

Architect: Ittner Architects

Construction Schedule: Completion Scheduled Spring 2021

PROJECT APPROACH

Engineer of Record (EOR)

Installing Mechanical Contractor

ROLE

Design/Build

PROJECT SCOPE

Wiegmann Associates is designing and installing HVAC systems as part of the redevelopment of a senior-care facility in Sunset Hills, MO. As the Engineer of Record and mechanical contractor, Wiegmann's energy-efficient heating and cooling solution is designed to provide optimal comfort for patients. The HVAC system also will meet the owner's goal of being able to simultaneously heat and cool different spaces. It will meet the stringent standards set forth by the Department of Health and Senior Services.

PROJECT CHALLENGE

Wiegmann valued engineered the original HVAC design to bring the project into budget. Wiegmann's design solution features an energy-efficient Variable Air Volume (VAV) system to serve the 40,000-square-foot building, which features both two-story and one-story sections. The VAV units adjust the fans and compressors to match the loads in the building. This reduces the motor horsepower and compressor energy to save energy and operational costs.



CONSERVING ENERGY BY DESIGN

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