



Nazareth Living Center: St. Louis, MO



PROJECT DESCRIPTION

Client: Nazareth Living Center
Project: New Construction Assisted Living Building
General Contractor: BSI Constructors
Architect: Lawrence Group
Floor Area: 70,000 sf
Construction Schedule: Completed February 2019

ROLE

Engineer of Record (EOR)
Installing Mechanical Contractor

PROJECT APPROACH

Design/Build

PROJECT SCOPE

Wiegmann Associates engineered an energy-efficient and cost-effective HVAC solution for the new assisted living facility at Nazareth Living Center Assisted Living that meets all the indoor air quality requirements suitable for a senior living center. A Variable Refrigerant Volume (VRV) system serves residential units in two, three-story towers. Each resident room has a dedicated fan coil unit, creating zone control for optimal, individualized comfort. The center also features an attached four-story tower with common areas that are served by a variable air volume rooftop system (VAV) equipped with fan terminal units for zone control and energy savings. Wiegmann installed a dehumidification unit for the facility's pool building to ensure proper indoor air temperature and humidity.

PROJECT CHALLENGE/SOLUTION

Senior living facilities are built with very little space for equipment needed for HVAC, electrical, plumbing and fire protection. Through design coordination and onsite adjustments by all trades working on the Nazareth Living Center, the project was kept on time and on budget.

Photo Credit: Lawrence Group