



RISE on Chauncey Student Housing: West Lafayette, IN

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PROJECT DESCRIPTION

Client: CA Student Living

Project: RISE on Chauncey Student Housing Property, West Lafayette, IN

General Contractor: Brinkmann Constructors

Floor Area: 300,000 sf, 300 units

Construction Schedule: Summer 2019

ROLE

Engineer of Record

Design/Build HVAC mechanical contractor

PROJECT APPROACH

Design/Build

The new 16-story, 675-bed RISE on Chauncey is a student housing property near Purdue University in West Lafayette, IN. Wiegmann designed HVAC systems to serve 300 studio, one, two, three and four-bedroom units across 15 stories and also 11,000 square feet of retail, study spaces, fitness center and yoga studio on the first level as part of a future tenant improvement.

PROJECT CHALLENGE/SOLUTION

The developer required an HVAC system that was compatible with the building's height but was also cost-effective and energy efficient. Split systems were ruled out because of excessive refrigerant line lengths.

Wiegmann designed an energy efficient HVAC system with the cooling tower, pumps and boilers housed in a mechanical penthouse on the roof. A building automation system for the tower/boiler plant will enhance temperature control and consistency across spaces and maximize energy efficiency.

