

## *The Crossing – South at Holden*

**Location:** Warrensburg, MO

**Project Start Date:** 2013

**Completion Date:** 2015

**Construction Amount:**  
+/- \$39,000,000

**Type of Work Completed:**  
MEP Design

**Project Owner's POC:**  
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### **Project Data:**

Complete MEP design.  
New construction

### **This project pertains to:**

Higher Education, Housing



Design/Build team consisting of McCowan Gordon, Treanor and Antella won the design/build competition to design and deliver 325 beds in apartment style housing. Based on the bridging documents created by Gould Evans, the design embraces the concept of “transformation”.

The project consist of three four-story buildings for a total gross area of 185,329. Each apartment unit includes a private bathroom, living room and kitchen. Each floor community shares a variety of common spaces including study, social lounges, and laundry rooms. There is also a mixed use component housing the University Store, a Starbucks and a Spin Pizza.

There are two different HVAC systems. The residential portion is served by a variable refrigerant heat recovery system that provides simultaneous heating and cooling to all spaces that it serves. The commercial portion of the building is served by chilled and hot water four pipe system that consist of a single air cooled chiller and two gas fired boilers.

A domestic 6 inch cold water service is routed through a booster pump and water softener system. Two water heaters and two storage tanks provide recirculated domestic hot water to all residential spaces. Two water heaters and single storage tank provide recirculated domestic hot water to all commercial spaces.

Fire alarm system was a fully addressable voice system.

A new 250 kW generator with emergency power distribution system was provided for life safety and fire pump loads.