

Fairfield University

Dolan Hall and New Village Apartments

Location	Fairfield, Connecticut	Size	144,000 square feet (combined)
Architect	Newman Architects	Cost	\$40 million (combined)
Services	MEP/FP	Completed	2012



The construction of New Village Apartments and the renovations of Dolan Hall represent part of Fairfield University's campus-wide housing initiative. Consisting of approximately thirty individual units, the New Village increases living space by nearly 68,000 square feet and accommodates nearly 180 students. Similarly, Dolan Hall provides approximately thirty 4/6-bedroom units totaling 76,000 square feet.

MEP/FP systems were designed to accommodate the planned construction and renovations. It was imperative to the architect that ceiling heights were established in the main corridors of the building early in the design process. Utilizing Revit® MEP, Kohler Ronan was able to route the main ductwork distribution, fire protection, and plumbing mains, as well as electrical conduits in plan view. Sections were cut at various locations of the corridor which set minimum ceiling cavity requirements thus ensuring the design team that the architects on the project would base their work on data which reflected the correct ceiling specifications.

Sustainable features were included in the design process where feasible. These features included low-flow plumbing fixtures throughout as well as two rooftop mechanical units for New Village. The HVAC system design incorporates a plate heat exchanger to pre-treat incoming outside air. This treatment reduces the size of the coils and subsequent water flow by reducing the temperature difference between the outside air and the specified discharge air.



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