

# University of Virginia Medical Center

Building 'Green' for Education



## Building Project Information

- Number of Modules: 18
- Average Size of Modules: 14 x 45 x 9
- Total SF: 11,500
- Use: Medical Center
- Days to Completion: 120 Days



## Contact Information:

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## Project Description:

The University of Virginia required a building solution for a new medical building that could be installed quickly and with minimal site disruption. Modular construction offered not only the fastest way, but the most eco-friendly, resulting in a 11,500 square foot, 2-story, modular, LEED-certified addition to its medical center. Comark manufactured the building, partnering with an architect (Train & Partners, of Charlottesville) and a modular dealer (Mobilease) on the project.

Since the building would be occupied mid-year, UVA chose to use modular construction. As a result, construction of the addition was completed in four months, and the medical center did not have to close any part of its facility for the addition. Although the university planned for the modular structure to be in place for 10 to 15 years, the final design may now be used as a permanent structure.

## Architectural Excellence:

The building includes an architectural curtain-wall window system, including fritted glass and sunshades on the west elevation. The exterior features Reynobond panels from Alcoa Architectural Products, each of which consists of two sheets of corrosion-resistant aluminum permanently bonded to an extruded thermoplastic core material. Each panel was field measured and custom fabricated to ensure a perfect fit.

## Technical /Cost Effectiveness

A white roof, TPO roof, poured floors, and fire-rated steel construction also contribute to the building's LEED certification. High-efficiency heat pumps include R410A refrigerant, MERV 13 filters, and carbon dioxide sensing. Interior finishes include floor coverings and suspended ceiling materials made with a high percentage of recycled material content.