

**MARVIN**  
COMMERCIAL SOLUTIONS

# McLANE AND FAHEY RESIDENCE HALLS

Hanover, NH

NEW CONSTRUCTION  
STUDENT HOUSING  
LEED® GOLD



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## High performance goals result in LEED® Gold

The challenge was to build a new 160-bed residence that looked like it belonged on a traditional campus but delivered cutting-edge energy performance. The Dartmouth College Office of Planning, Design and Construction set high goals regarding the building project's carbon footprint, durability, financial viability and social/environmental responsibility, and targeted a 48% reduction in total energy use and a 57% reduction in energy costs.

In order to achieve this vision they relied on computer modeling and integrated design, storm water management, geothermal wells and a heat exchange system, as well as some inventive solutions such as heat recovery from wastewater. The exterior walls were highly insulated, and Marvin® Clad Ultimate Double Hungs were the windows of choice for this energy-efficient building. In addition, Marvin products were selected, according to the general contractor, because they wanted to use clad brickmould, and no other brand does it as well as Marvin.

### PROJECT HIGHLIGHTS

- This project required documentation for LEED certification in early 2005. Information was quickly researched and captured to support LEED application
- Marvin was able to provide a historic looking double hung window with high performance characteristics
- Factory applied nail fin and drip cap saved contractor time. Durable aluminum cladding with 70% PVDF finish beautifully withstands the elements



### SPECS

#### PROJECT TYPE

New Construction  
LEED Gold certification

#### BUILDING TYPE

Student Housing

#### UNITS AND APPLICATIONS

Clad Ultimate Double Hung, Transom, stationary Awning, brick mould casing, stone white clad, charcoal aluminum wire screen

#### ARCHITECT

Atkin Olshin Schade

#### CONTRACTOR

North Branch Construction

#### DEALER

R.P. Johnson & Son Millwork Showcase



*Marvin brands are dedicated to producing enduring energy-efficient products in ways that will support a greener future.*