



# The Green Engineer, LLP

## Sustainable Design Consulting

### **New Graduate Residence Hall (The New Ashdown House) Massachusetts Institute of Technology Cambridge, Massachusetts**

This new 440-bed dorm is designed for communal green living. Featuring a variety of room-types depending on student need and budget, its five, three-to-five story interconnected buildings are sited around two court-yards. This allows over 40-percent of the site to be open space and gives over 90 percent of rooms outdoor views. Water -efficient fixtures are used throughout, and the roof is white to reduce the urban-heat-island effect.



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More than 75-percent of the rooms are day-lit to reduce electrical demand.

For this project, The Green Engineer:

- Coordinated and managed the LEED Certification Process;
- Led the LEED program, describing the roles and responsibilities of all team members;
- Provided detailed energy modeling services to assist in the design process and to substantiate LEED credits.

Owner: MIT  
Architect: William Rawn Associates  
MEP: Vanderweil  
Contractor: Bovis Construction  
**LEED-NC: Pursuing Gold Certification**