



Building 34 is a LEED Gold sustainable building. Sustainable buildings can obtain LEED certification by earning credits in up to 9 categories: Sustainable Sites, Water Efficiency, Energy & Atmosphere, Materials & Resources, Indoor Environmental Quality, Locations & Linkages, Awareness & Education, Innovation & Design, and Regional Priorities. Certification levels are based on credits earned: Basic: 26-32, Silver: 33-38, Gold: 39-51, Platinum: 52+. NASA strives for Silver.

“LEED stands for “Leadership in Energy and Environmental Design,” and focuses on encouraging a more sustainable approach to the way buildings are designed, constructed and operated.”

-Sean Grimsby



Sustainable Sites

This category aims to curtail pollution and soil erosion that can result from construction. It also addresses the building’s direct environmental impact on the immediate area including air pollution and how building design moves rainwater or minimizes light or heat pollution.

B-34 earned **9/14** points for community connectivity, alternative transport (public transportation, bicycle storage, changing room, van-pool parking), low emitting fuel-efficient vehicle parking, site development (maximize open space), storm water design (quantity & quality), and light pollution reduction.

Water Efficiency



LEED promotes water conservation through the use of water metering, efficient bathroom and plumbing designs, drainage gardens and self-sufficient irrigation systems.

B-34 earned **3/5** points for water efficient landscaping and water use reduction.

Energy and Atmosphere

This category addresses building commissioning and energy performance of systems such as HVAC and lighting. Commissioning a building is the test and balancing of the main systems to assure optimum performance. The building must use 10 percent less energy than the USGBC baseline, and refrigeration systems cannot use chlorofluorocarbon (CFC) refrigerants. Extra points can be earned for renewable energy use.

B-34 earned **6/17** points for building commissioning, refrigerant management, optimize and renewable energy performance.

Materials and Resources

Buildings designed to minimize material use, or use biodegradable or locally harvested renewable resources in their construction, and minimize landfill waste and promote recycling in their operation.



B-34 earned **7/13** points for recyclables, construction waste management, use of recycled content & regional materials and certified woods.

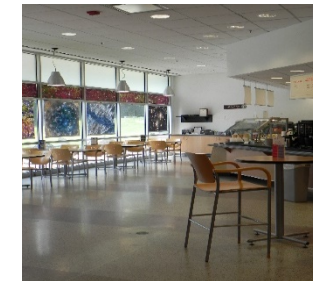
Indoor Environmental Quality

Indoor air quality includes ventilation, off-gassing of materials and thermal comfort. It also requires efficient lighting systems that are adequate for all necessary tasks.

B-34 earned **10/15** points for CO2 monitoring, use of low-emitting materials (adhesives, sealants, paints, coatings, composite wood), thermal comfort, indoor chemical and pollutant control.

Design Innovation & Regional Priority

Use of innovative sustainable solutions and region-specific environmental concerns.



B-34 earned **5/5** points for energy efficient lab systems, maximizing open space, use of recycled content materials, LEED accredited professional,

effluents safety & risk management. Indoor café helps improve productivity and reduce vehicle emissions produced by employees traveling to lunch.

B-34 earned a total of **40** of **69** LEED credits