

Harvard's Sherman Fairchild Lab Wins I2SL Award

BY HIGH PROFILE
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Cambridge, MA – Harvard University's Sherman Fairchild Biochemistry & Bauer Laboratory Building, a project designed and renovated by Payette and Vanderweil Engineers, was recently presented with the "Go Beyond" award at this year's annual International Institute for Sustainable Laboratories conference (I2SL) which took place in Kansas City, Missouri in late September.

In 2011, Harvard University's Sherman Fairchild Laboratory facility completed a gut renovation throughout all floors and the mechanical penthouse in order to provide new open bench laboratory space, tissue culture laboratories (high occupant density), lab support spaces, microscopy spaces, a therapeutic screening area, administrative offices and conference rooms, and service support spaces. The Bauer facility alterations included modifications to laboratory areas within the basement, second, third, and fourth floors, as well as common areas on the first floor.

As part of Harvard University's overall consolidation of the Department of Stem Cell and Regenerative Biology program, a multi-phase design and construction schedule was applied; including the implementation of an M+V plan and corrective actions to further enhance energy savings.

Upon project completion, the project achieved LEED-CI Platinum certification. All of the credits that had been submitted, were indeed awarded. The project achieved 95 points, 80 of which is the minimum to attain Platinum certification, more than any other LEED project at Harvard. At the time of certification the project was tied with one other project for the most number of LEED points awarded globally.

The "Go Beyond" award is a unique award that honors organizations, individuals, products, and projects that are advancing sustainable design and high performance facilities.

"Sherman Fairchild was the first project to use the 2009 Harvard Green Building Standards, which requires minimum LEED Gold certification. It is a notable example of a project that defined green building as more than just LEED certification. Through integrated design, life cycle costing analysis, and energy modeling, the project documented a comprehensive decision-making process that continues to be used as an example for other projects." – Andrea Ruedy Trimble, Senior Program Manager at Harvard University.

In addition, the project performance was presented at the October 2016 Greenbuild conference in Los Angeles, CA as part of a panel presentation of projects where the actual energy performance exceeded the design intent modeling.