

## ***Sandburg Commons Green Roof Retro-fit***

*Engineering*

*University of WI – Milwaukee  
State of WI – Division of State Facilities*

Before:



**Project:**  
*Sandburg Commons Green Roof Retro-fit  
Sandburg Dormitory*

**Owner:**  
*University of WI - Milwaukee  
State of WI; Division of State Facilities*

**Date of Completion:** *August, 2008*

**Contractor:** *Pioneer Roofing*

**Consultants:** *Structural Integrity, Inc.                      Structural*

### ***Project Description:***

The existing roofing at Sandburg Commons was aging rapidly. As part of a campus-wide storm-water runoff study conducted by Professor James Wasley, this roof was selected to be replaced with a vegetated roofing system. The project involved structural analysis and design of vegetated roofing systems in order to comply with new, more stringent, structural building code requirements. This project was the first large vegetated roofing system completed by the Division of State Facilities and is the first retro-fit of an existing roof utilizing a vegetated roofing system.