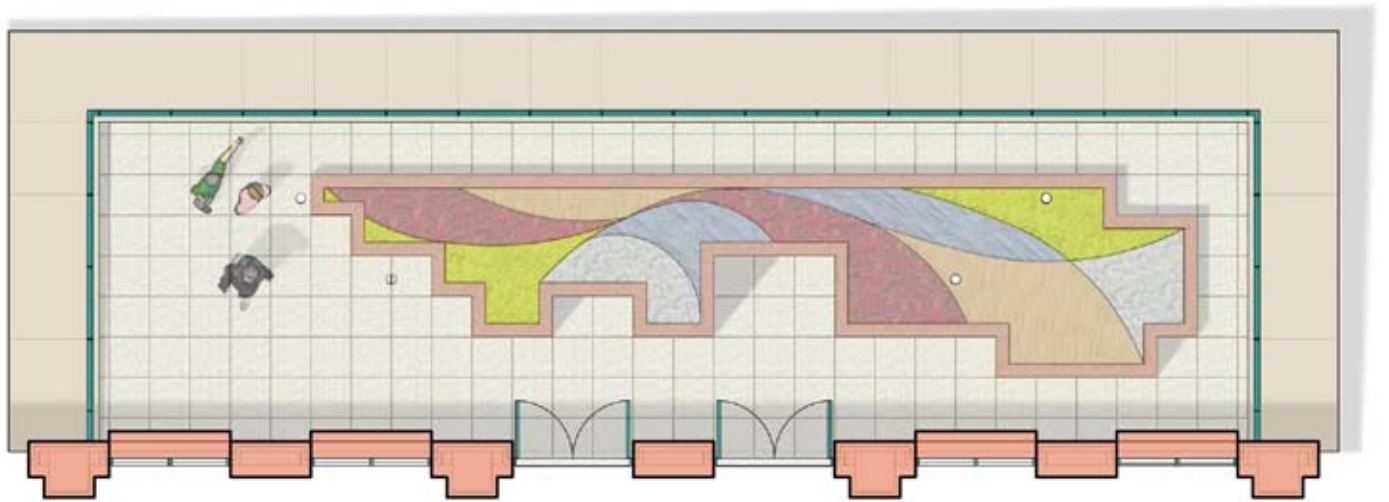
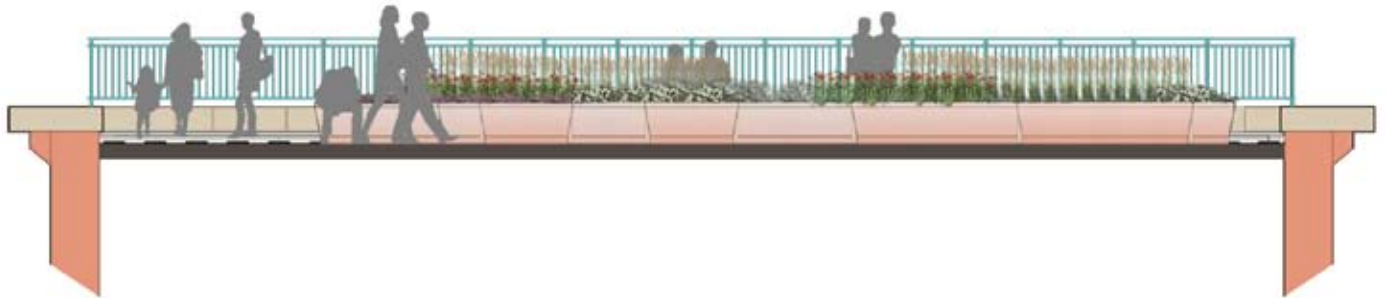


# Denver Public Library Green Roof, Denver, CO



Greenroof Plan

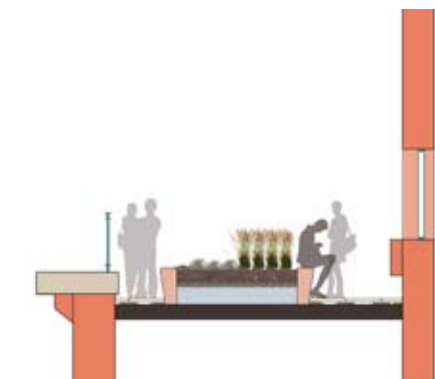


Greenroof Elevation

The roof on the 7th floor terrace of the main branch of the Denver Public Library was leaking. In the process of developing a strategy for replacing the waterproofing system, the client decided to explore a green roof component. The terrace is located off a public gallery and is used as a break out space for functions held there. Views of the art museum, State Capitol and City and County Building, with long views of the foothills makes this a compelling outdoor room.

The loading restraints allowed an 8" growing media depth for the green roof. The plant palette focusses on native and xeric plant materials making this not only a beautiful space, but also serves as a showcase for regionally appropriate materials used in a sustainable fashion.

Lime Green Design was asked to help design an educational plaque that describes the project and its environmental benefits. The green roof reduces the heat island effect, improves insulation of the space below, reduces stormwater run-off quantity and quality, and helps to protect the waterproofing system beneath it. This project will operate as a pilot project for other Denver Public Library green roof projects, and fits into the Citywide Greenprint Denver Sustainable Initiative and the mayor's Climate Action Plan.



Greenroof Section