

Outside

- **Pavers**
 - Help Reduce Heat Island Effect
 - Black Surface can be up to 70 degrees hotter than a white
 - From EPA Website – For millions of Americans living in and around cities, heat islands are of growing concern. This phenomenon describes urban and suburban temperatures that are 2 – 10 degrees hotter than nearby rural areas. Elevated temperatures can impact communities by increasing peak energy demand, air conditioning costs, air pollution levels and heat related illness and mortality.
- **Perforated Metal Panes**
 - Reduce Heat
- **Glass Windows**
 - Less Artificial Light
- **Green Roof**
 - Covers 6400 sq ft
 - Help Reduce Heat Island Effect
 - Insulation
 - Reduces Storm Water Runoff
 - Filters Pollutants and Co2 in the air
- **Roof Drains**
 - Collect Water for Irrigation and Toilets



Lobby

- **Materials**
 - Low Volatile Organic Compounds (VOC's) for healthy air quality!
 - Rapidly renewable materials
 - Regional Materials – 55% of building Materials were manufactured within a 500-mile radius of BCM.
 - Certified Wood
 - Steel Piles – 79% recycled content
 - Wood Flooring – 100% recycled from lumber mills in Oregon
 - Information Desk – Salvaged wood from our Demolition



Mechanical Room (door on the first floor by kidstage) and Tank

- **Water Reduction**

- Water Collected from the existing roof and the green roof. This gray water is stored in a 3,000 gal cistern underground. The gray water is used for irrigation and low water volume toilets. The system collects and re-uses 88% of the rainwater, which falls on the site. This reduces storm water runoff into the channel and reduces the water usage by the museum.

- **Bathrooms – Will help BCM use 77% less water than it did previously.**

- Dual Flush toilets
- Waterless Urinals
- Low Flow Faucets

Second Floor

- **Rubber Floor on Bridges**

- Made of recycled material

- **Common**

- Improved the efficiency of the lighting to help reduce energy consumption.



Fun Facts

- 76% of construction demolition and packaging debris was recycled and or salvaged
- The old exterior shutters went to the American Repertory theater for a Set
- A 4-basin steel sink went to a local photographer
- old stairs went to a Somerville based cabinet workshop

