

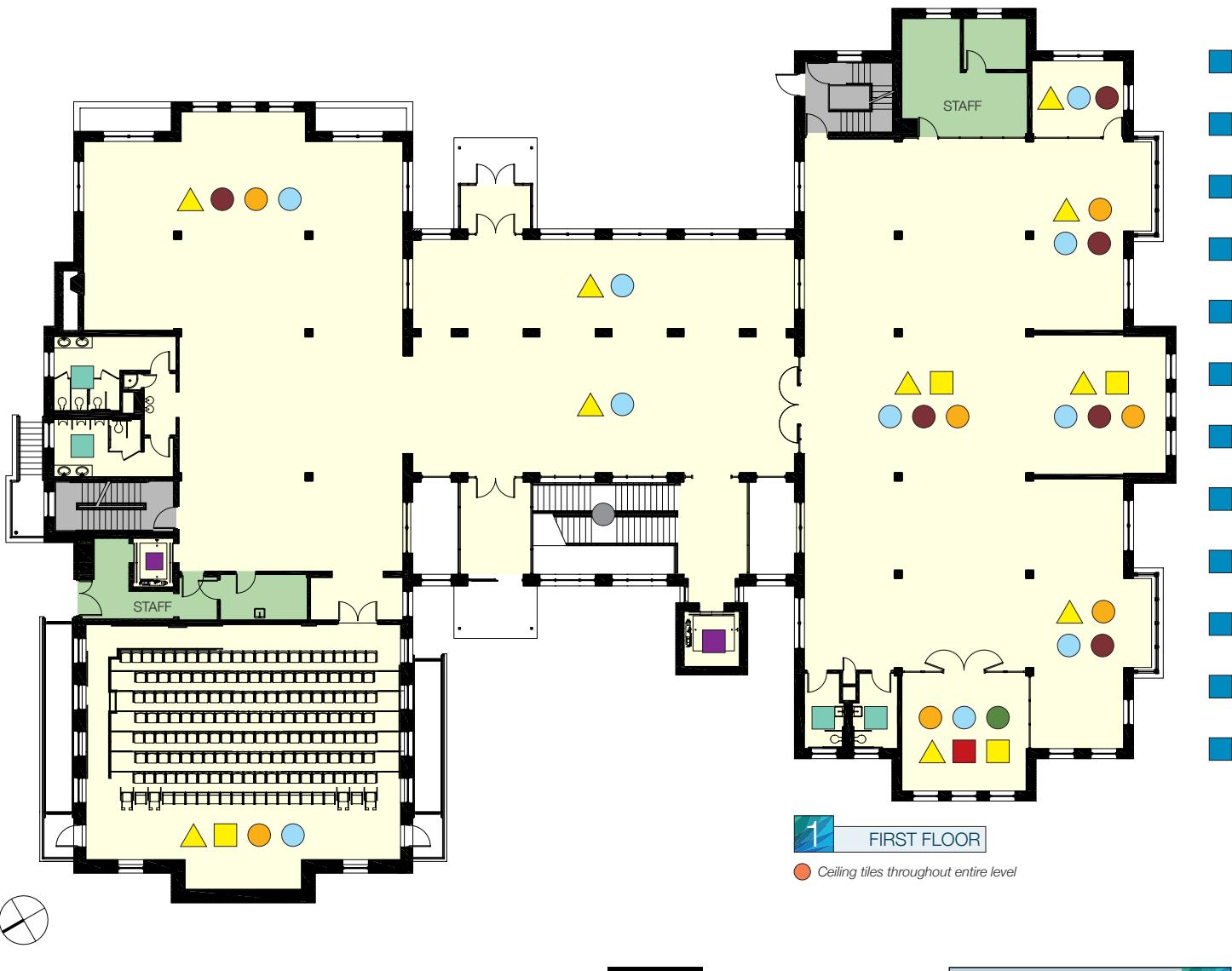


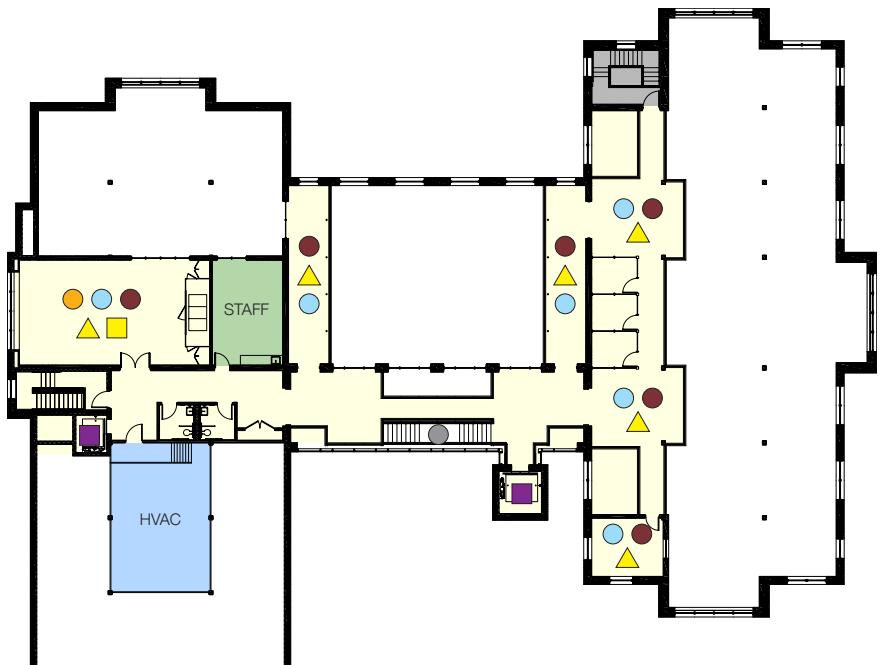
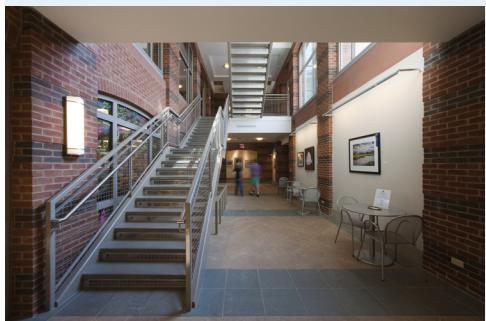
# DARIEN LIBRARY

- 57,000 sf building
- Gold LEED certification
- Geothermal heating and cooling
- Will save 48% of the energy of a typical code-compliant building
- Natural, local materials
- Non-toxic materials
- Natural lighting in all spaces
- Multi-level lighting controls
- Biofiltration of storm water
- Site irrigation from geothermal wells
- Detention of all storm water on site

## SUSTAINABLE FEATURES

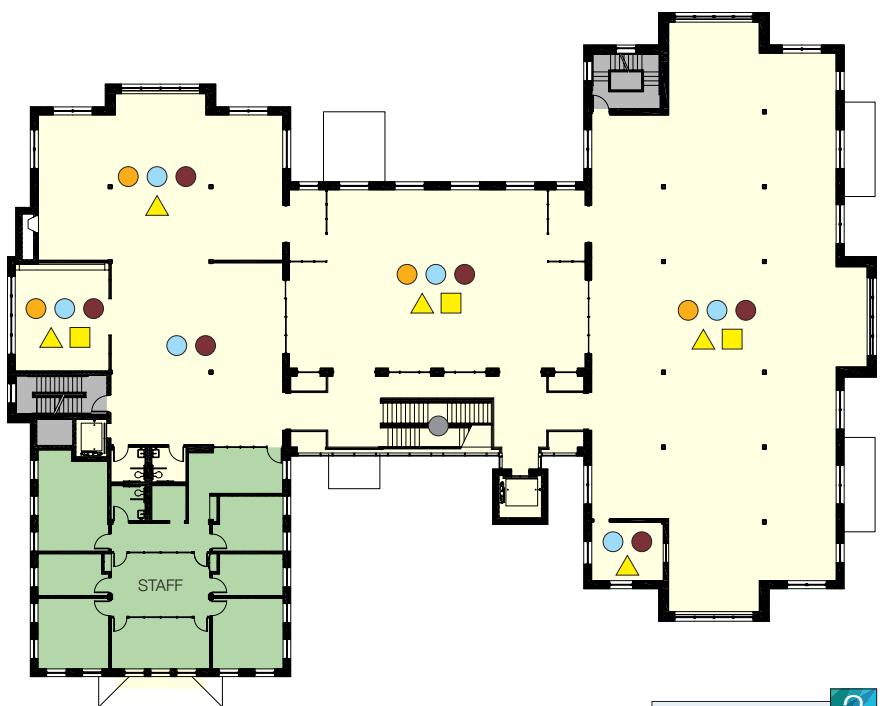
*Prepared by Peter Gisolfi Associates*





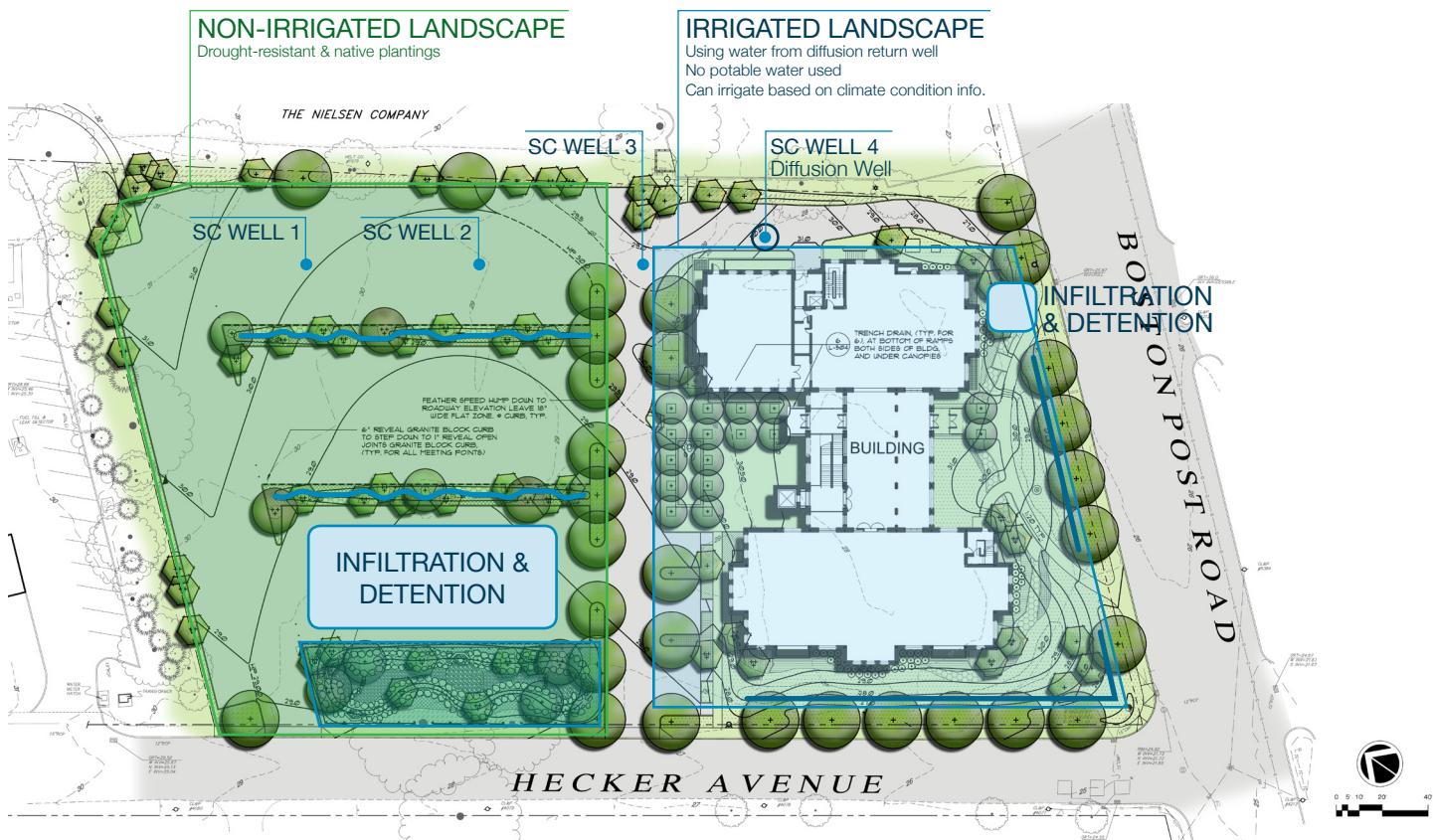
MEZZANINE M

Ceiling tiles throughout entire level   
Structural concrete throughout entire level



SECOND FLOOR 2

Ceiling tiles throughout entire level



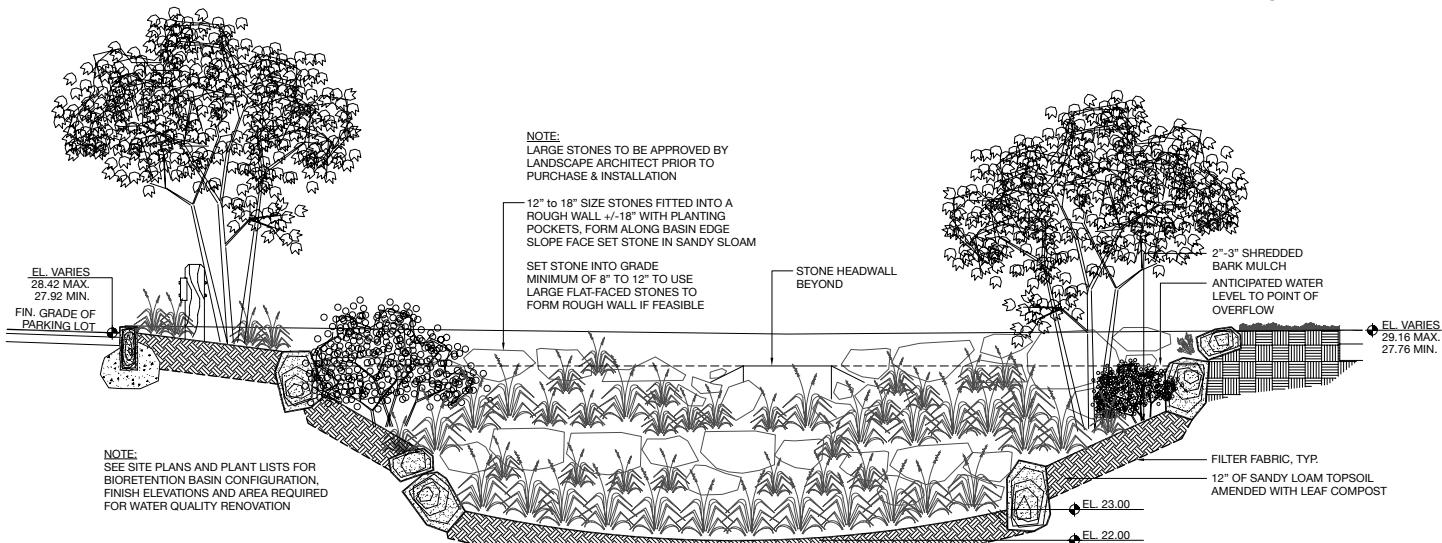
### DARIEN LIBRARY BIOFILTRATION SYSTEM

Some wetlands plants have the ability to absorb pollutants. This “biofiltration process” filters stormwater runoff naturally before it is retained, so the water is clean when it is eventually released into the drainage basin.

The system for the Darien Library provides for the biofiltration, cleaning and recharging of water on-site, and promotes the sustainability of the system through ease of maintenance. Equally important, it minimizes the release of storm water off-site, a condition that could create flooding and pollution in adjacent and downstream properties. The release of water off-site will be less than it was before the site was developed even though impervious surfaces have increased significantly.



View from Hecker Avenue, overlooking biofiltration system



Section diagram of biofiltration system