

Gosnold Building Addition Text for flyover video

Woods Hole, MA
Falmouth, MA
Oak Point Associates

Sustainable Features of the Gosnold Building Addition

- Evacuated heat tubes collect solar energy to heat the addition
- Vegetated roof system reduces impervious area of addition and replaces disturbed habitat
- Native plant materials and soils slow down and absorb the flow of storm runoff water, reducing the amount of contaminants carried to water systems
- Rain water collected from roof drains is directed to a landscaped swale allowing the water to infiltrate on site and connects occupants to the water cycle.
- Site lighting designed to reduce pollution and be night sky friendly
- Native plant species were selected to increase areas of local habitat
- No mechanical irrigation system ensures no potable water is used needlessly
- Sun screens protect south facing windows from excessive heat gain during the summer
- Nice day switch allows occupants to shut off heating or cooling system and to open clerestory windows to allow for natural ventilation.
- Outside air flows into building; cool outside air comes in the building and warmer inside air flows through air transfer grill, the hot air is naturally ventilated

Interior Sustainable features of the Gosnold Building Addition

- Radiant floor heating requiring lower temperature water than traditional baseboard heating
- Paint specified to have zero voc gases
- Light shelves used to reflect natural light deep into office spaces
- Angled ceiling panels help to reflect light to work surfaces
- Windows placed adjacent to office walls allows wall surface to reflect natural light into office space
- Natural light minimizes energy use required by electrical lights
- Occupancy and daylight sensors reduce electrical light use.
- Non-toxic and renewable materials