





# Site Objectives

- Provide a small footprint on the site
- Limit vehicle travel on site...use grass orete
- Provide pedestrian access to building
- Filter site water and return to creek
- Restore Health of Paradise Creek Corridor
- Use recycled, local materials
  Naturally daylight garages and offices
  Ventilate building with operable windows
- Direct/Deaden acoustics





## Sustainable Design Elements

o Sola Tubes for Lighting

o High-efficiency Lighting o Recycled Building Materials

o Natural North Daylight from North Facing Clerestories in Shed Roofs

o Open Loop Geothermal Radiant Floor (Heating and Cooling)

o Water Treatment - Bioswales o Integrated Cooling System (Natural Ventilation – West to east through garage bays)

o Thermal Zoning

Climate Response Design (Insulation, Site Orientation Considerations)

o Local & Minimally Processed Materials

o On - Site Rainwater Collection o Composting Toilets

o Green Roof

o Indigenous Landscape - Wetlands

### **Building Objectives**

- Integrated ceiling tracks for vehicle work
- Separate ventilation systems for each zone
- Operable ventilation controls for each zone
- Transparency of space
- Flexibility of spaces for future use
- Exposed mechanical systems for maintenance
- Accessible bio hazard storage •
- Provide social spaces
- Provide project/new technology display area •

### **Building Systems**

 Open Loop Geothermal Radiant Floor - For heating and cooling

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### **Building Systems**

#### Green Roof

- Insulative purposes
- Cleans air
- Replaces lost ground



## **Building Systems**

### Natural Light

- Sola Tubes
- Clerestories (north light)
- Central Atrium
- Relights
- Setbacks for Maximum **Daylight Penetration**







