

# SCHLEMAN GREEN ROOF

Alex P, Alex W, Avery, Carley, Maria



# SCHLEMAN GREEN ROOF

- Project Partner: Brooke Sammons
- Current green roof failing
- Deliverables: 3 new sustainable designs



# ENVIRONMENTAL PROBLEMS

With urbanization comes...

- Increased surface runoff
- Decreased green space
- Increased air pollution
- Habitat segmentation
- Heat island effect in urban areas



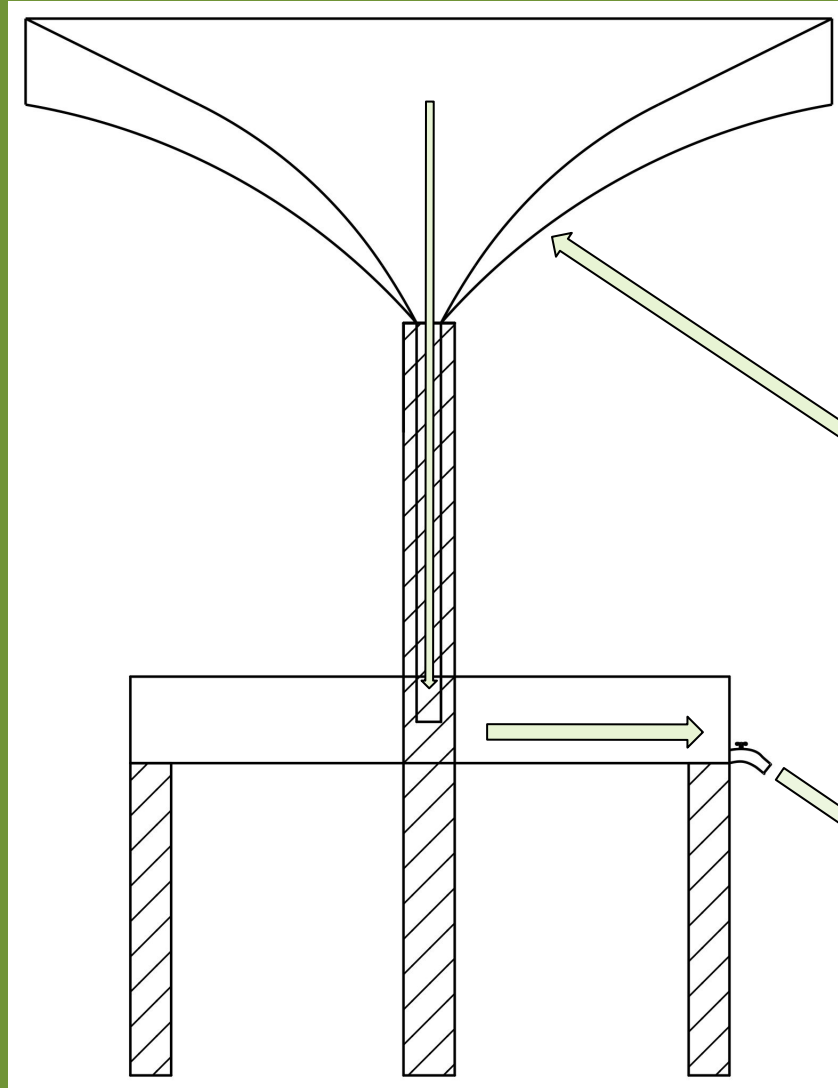
# Green ROOF BENEFITS

With green roofs come...

- Purified air
- Increased rainwater collection and reduced runoff
- Building temperature control
- Recreational space
- Reduced stress and increased relaxation



# Water Collecting Tables



Here is how the water collecting tables work:

1. Rain is collected by the upside-down umbrella
2. Water runs through the interior pipe
3. Water collects in the top of the table
4. Water can then be dispensed through the spout
5. Water dispensed can be used to water plants on the green roof

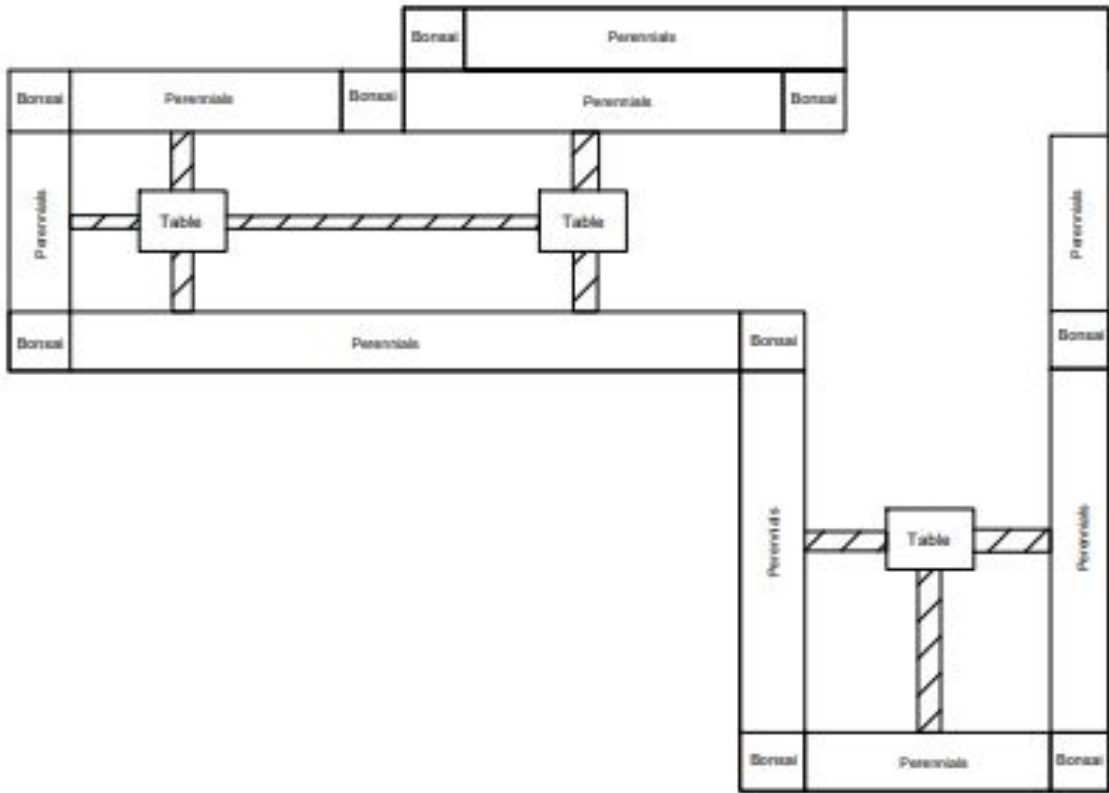
Design by Carley Bramel

# ELEMENTS INCLUDED IN ALL DESIGNS

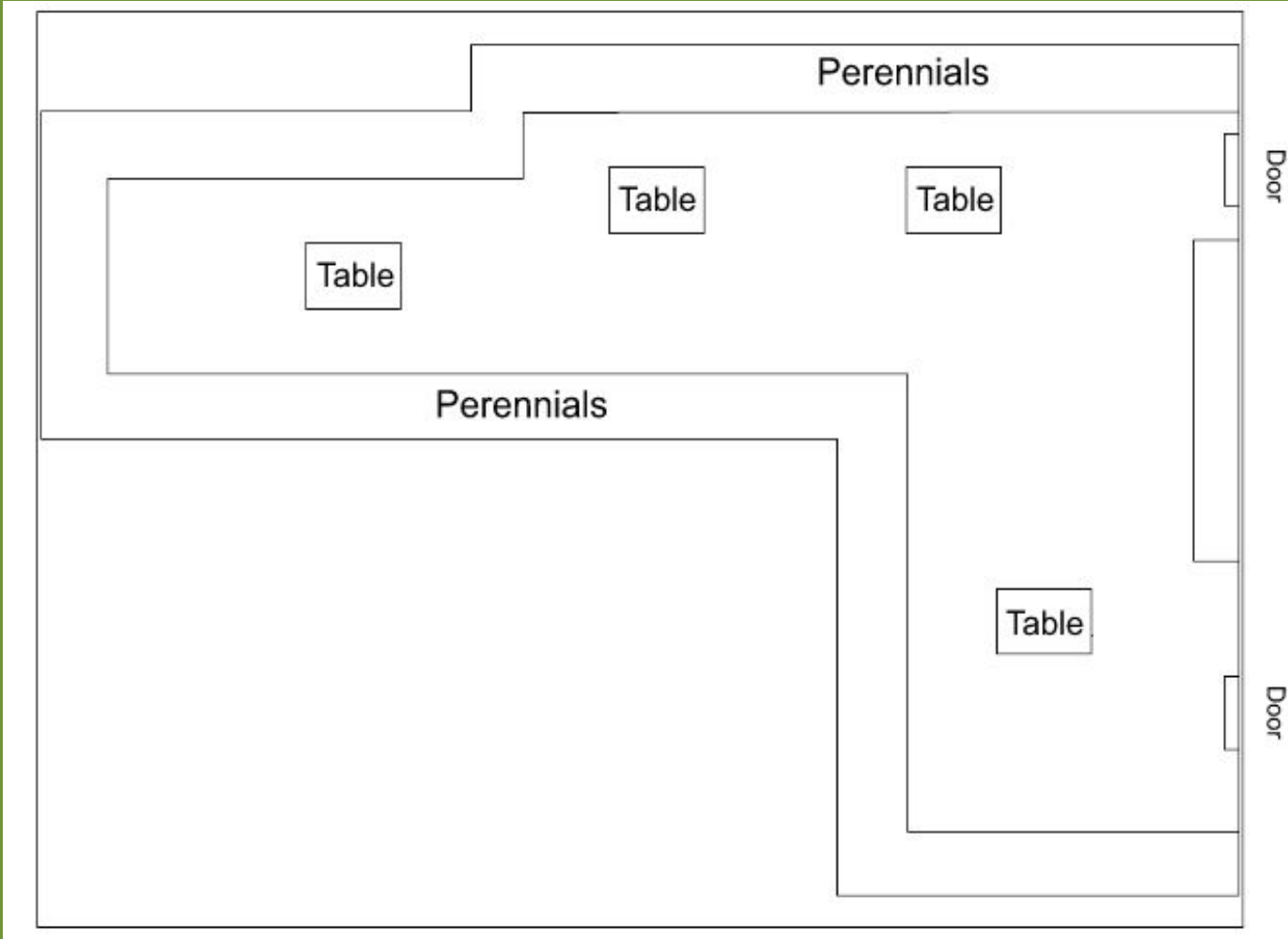




# DESIGN 1: BONSAI CLUB

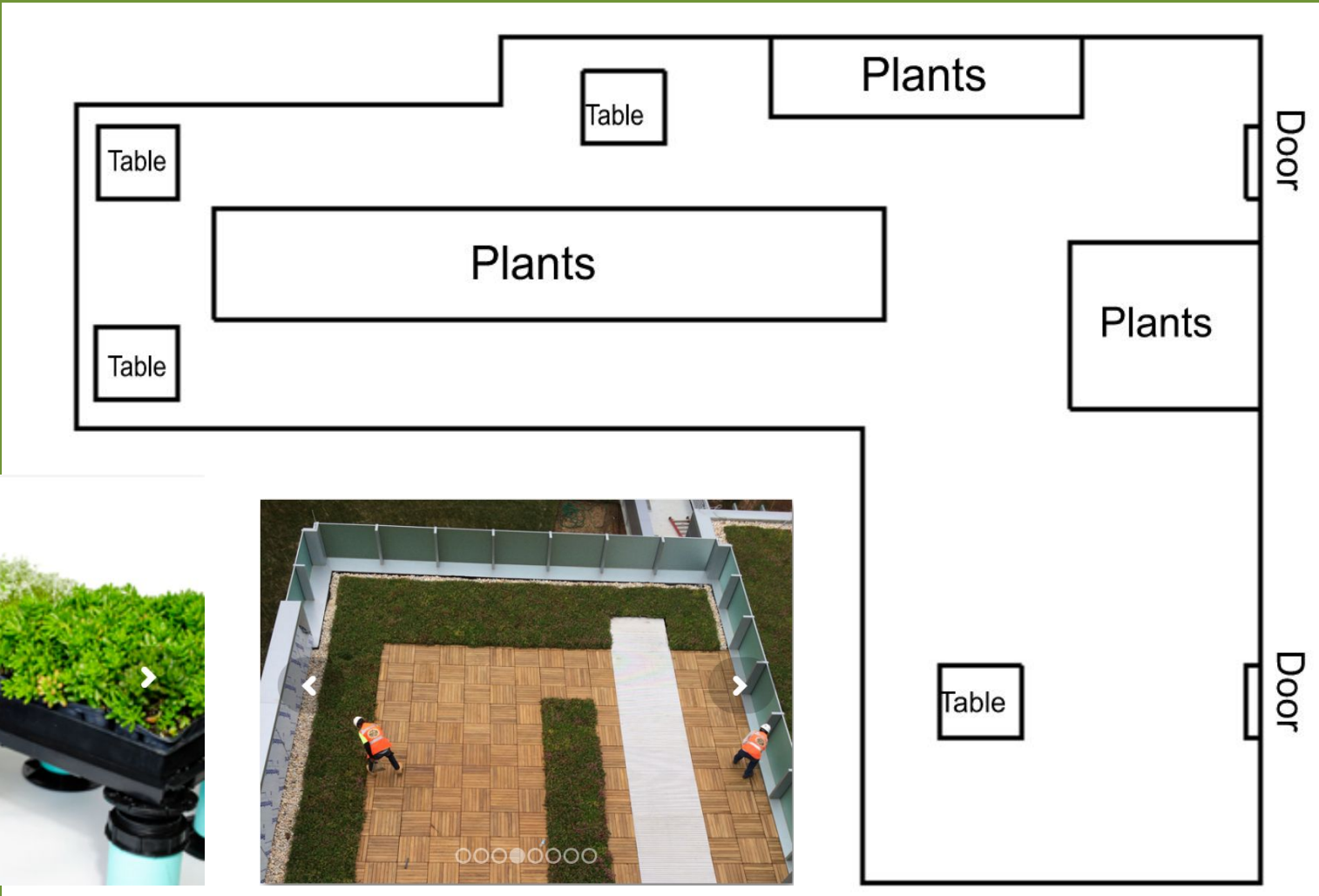


# DESIGN 2: PERENNIALS





# DESIGN 3: TILE TECH DRAINAGE SYSTEM



# THANK YOU!

