

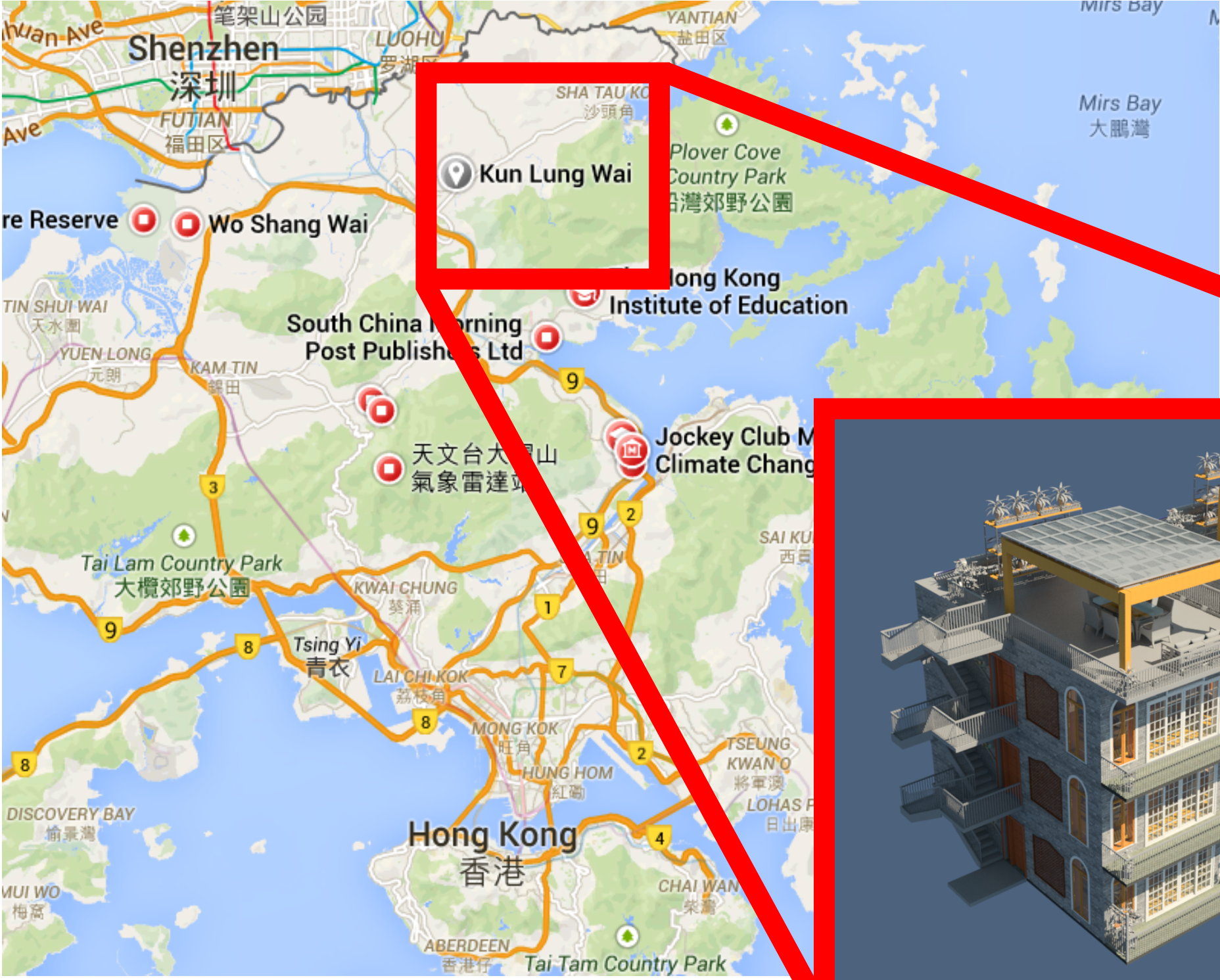
SOLAR HOUSE

William Carruth
Nicholas Globozien
Bradley Zanette

Location: Kun Lung Wai, Hong Kong, China

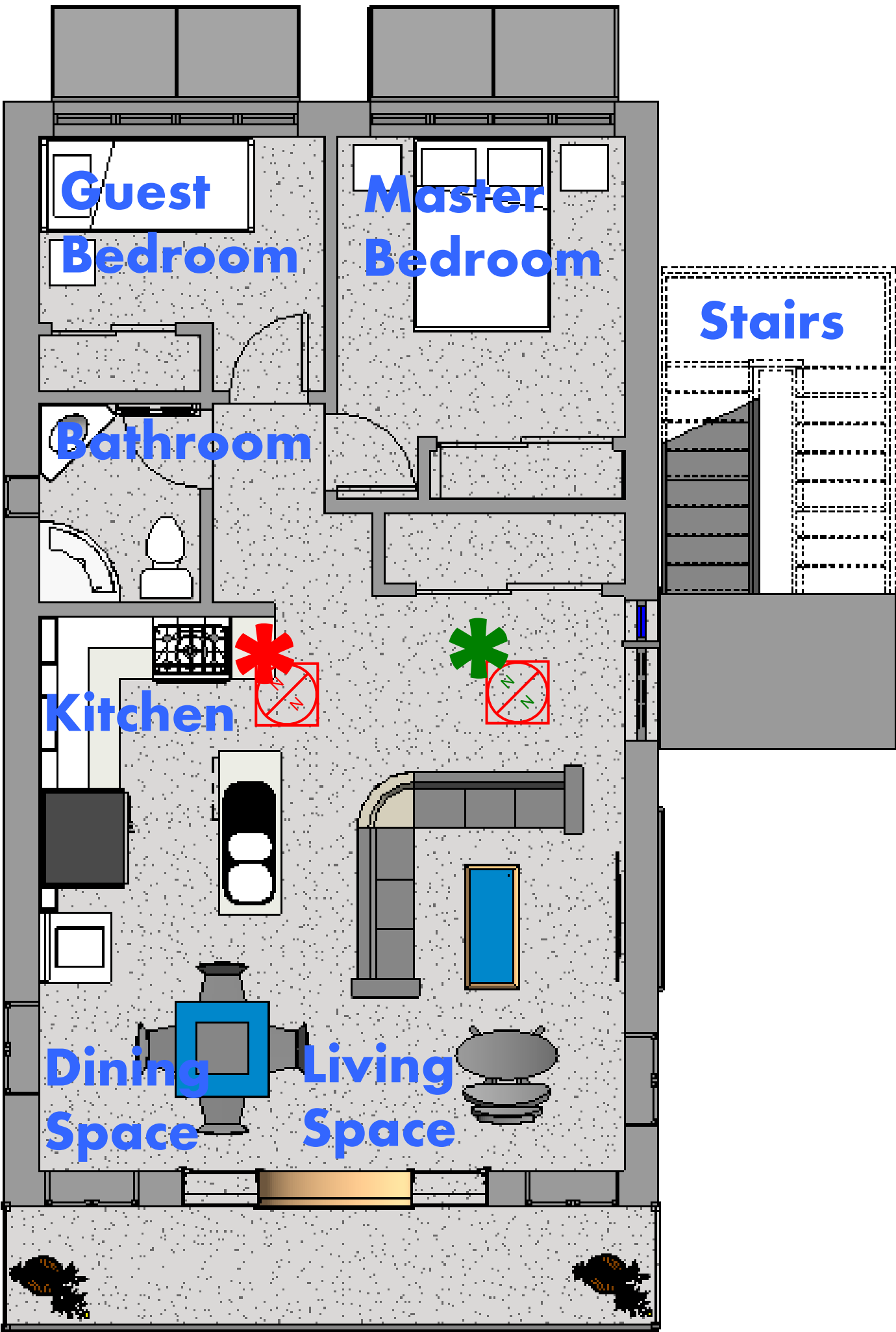
Latitude: 22.507912°
Longitude: 114.148055°
Height above sea level: 26.646ft

Climate: sub-tropical
- Warm Humid
- Average temperature ranges from 60°F- 90°F

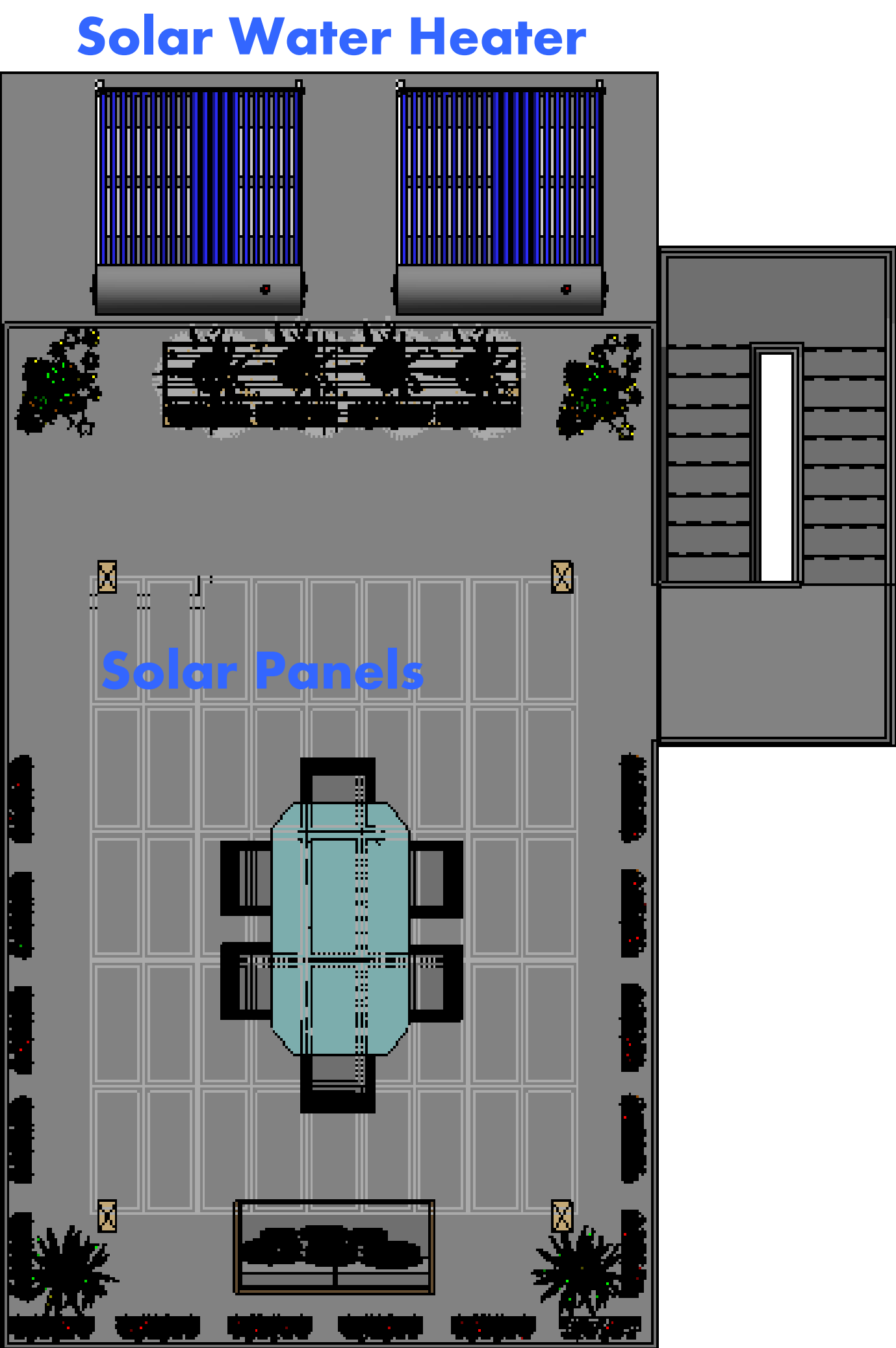


- Solar Paneling
- Solar Water Heating
- Efficient Air Flow
- Effective Solar Shading
- Abundant Vegetation

Universal Floor Plan

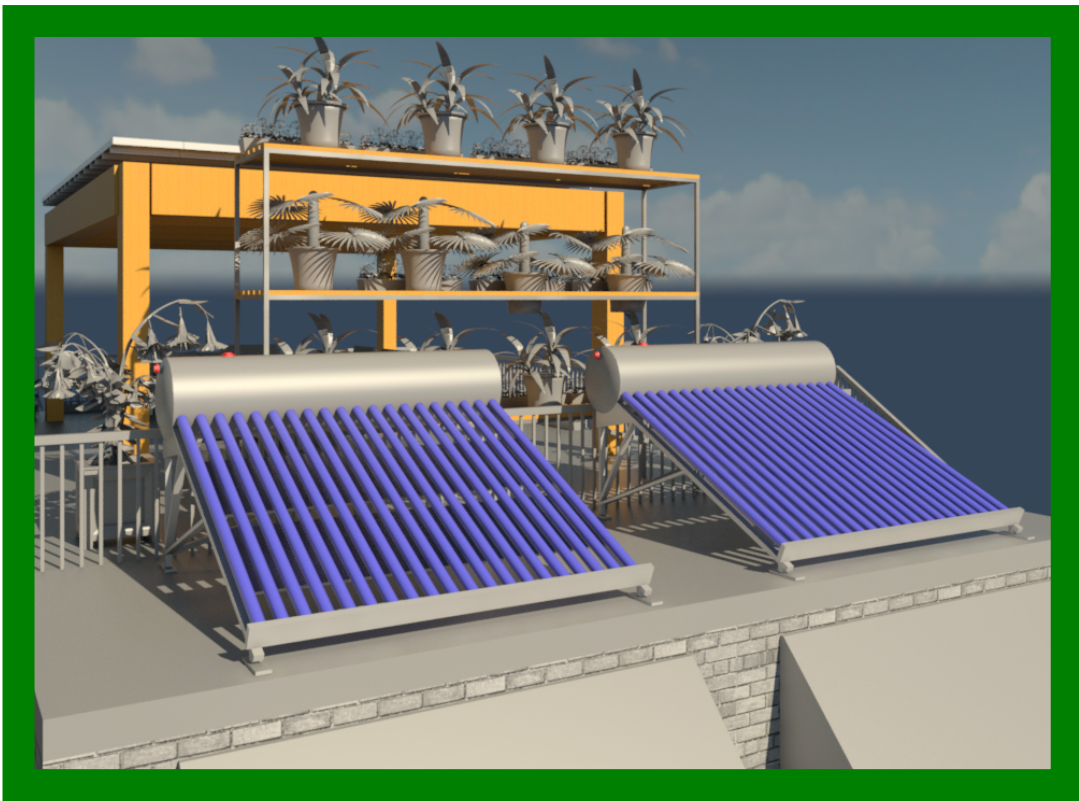


Roof Plan

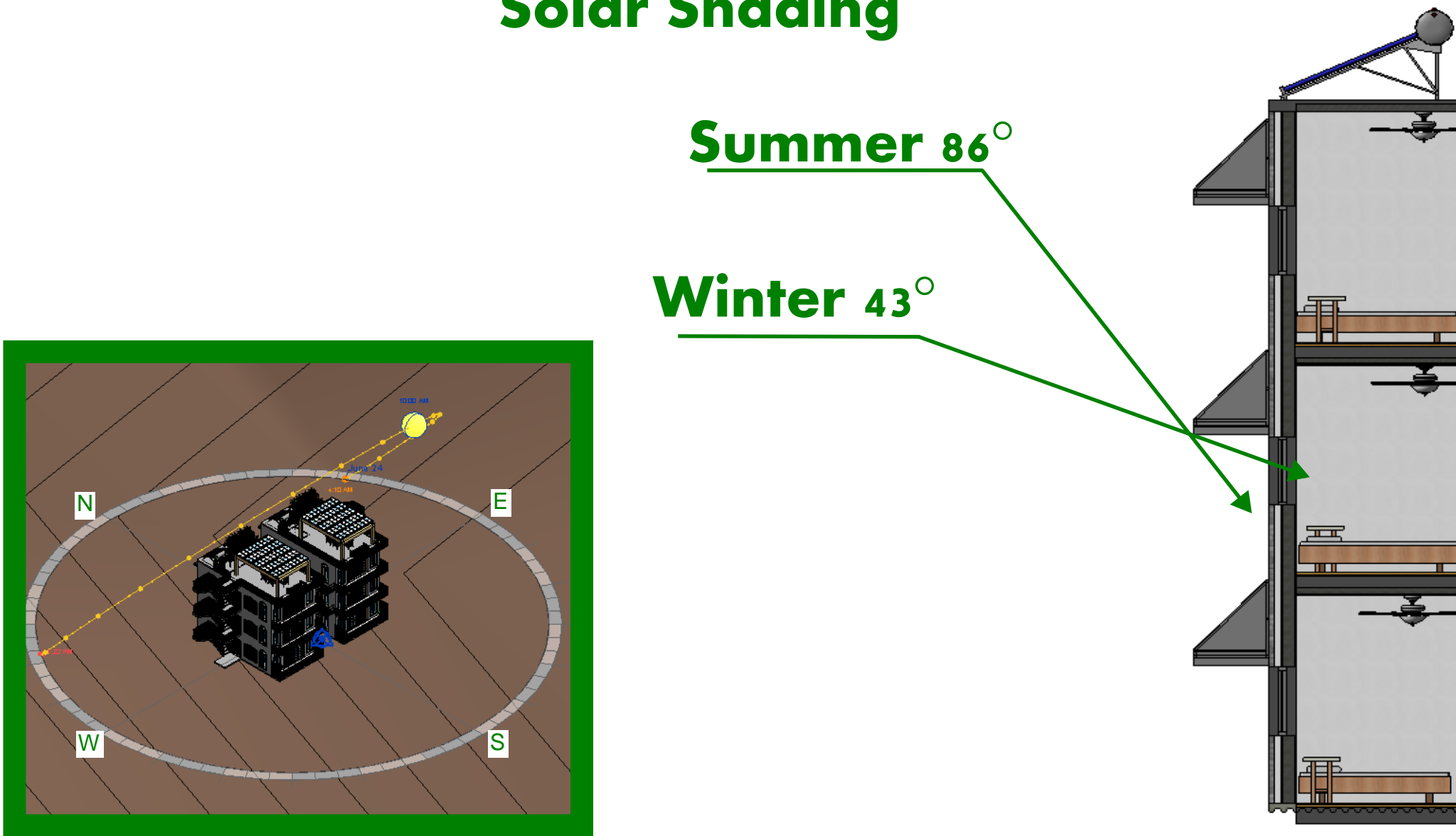


Solar Water Heaters

- 80 gallon *Passive Solar Trek System*
- Pressurized system
- Weather resistant heat pipes
- Good for climates that don't freeze
- Well insulated tanks protect the stored water in even the most extreme weather of a sub-tropical climate

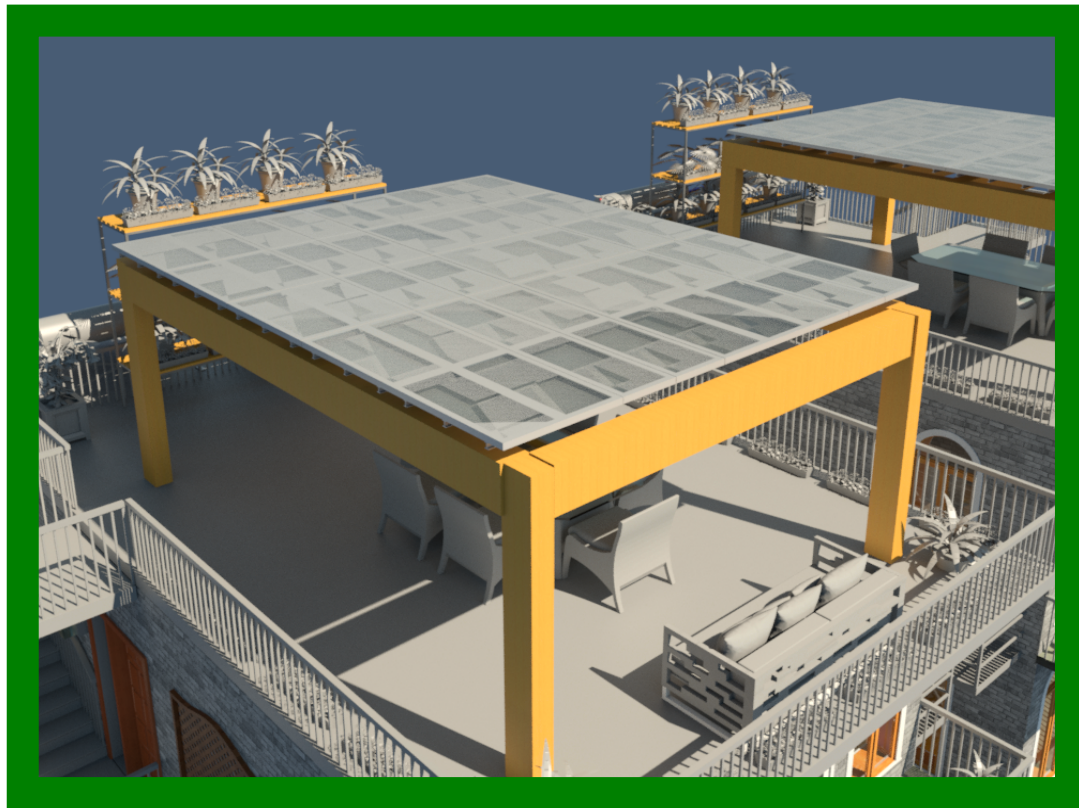


Solar Shading



Solar Panels

- Solarland 100 Silver Poly SLP100-12
- 100 Watts , 5.74 Amps
- Suitable for high wind loads which can occur with extreme weather
- isolated at the highest point of the house



Wall Section

