

La Plaza Cultural

de Armando Perez

Solar Pavilion

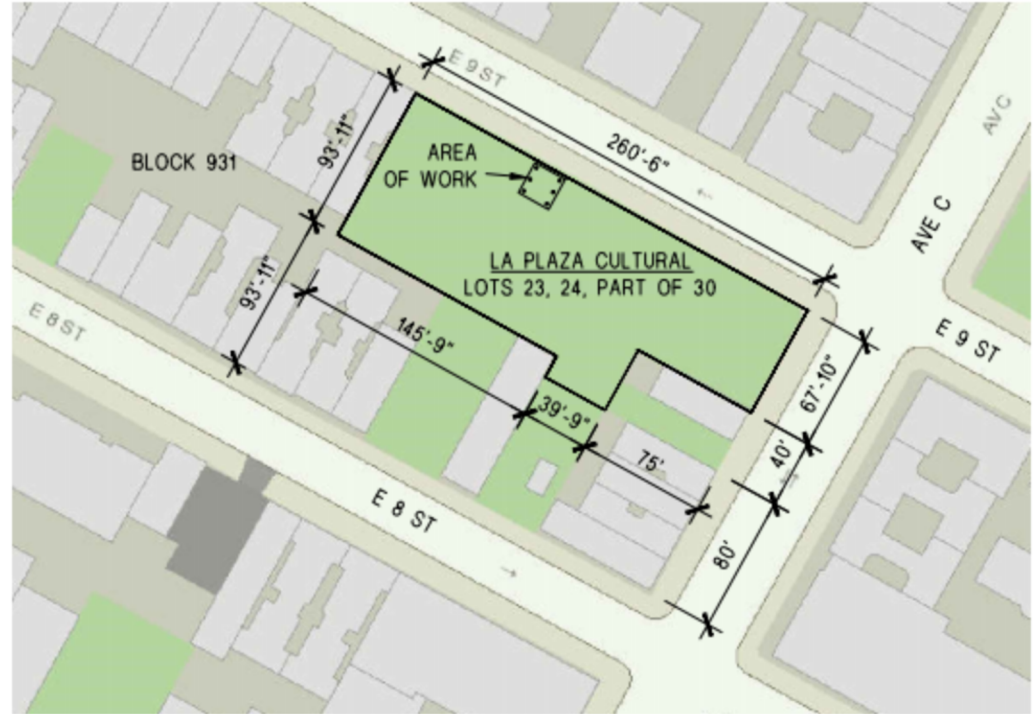
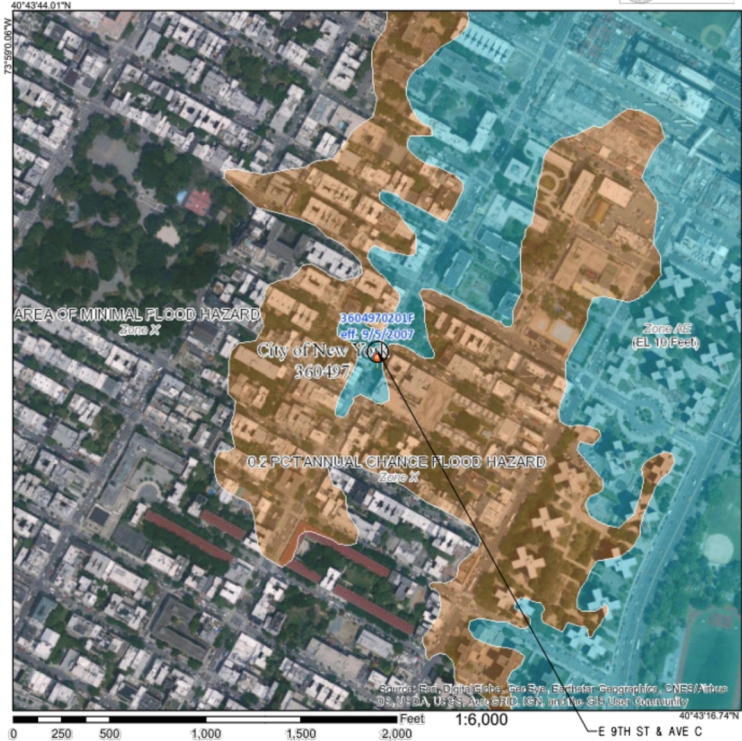
2019

Project Goals

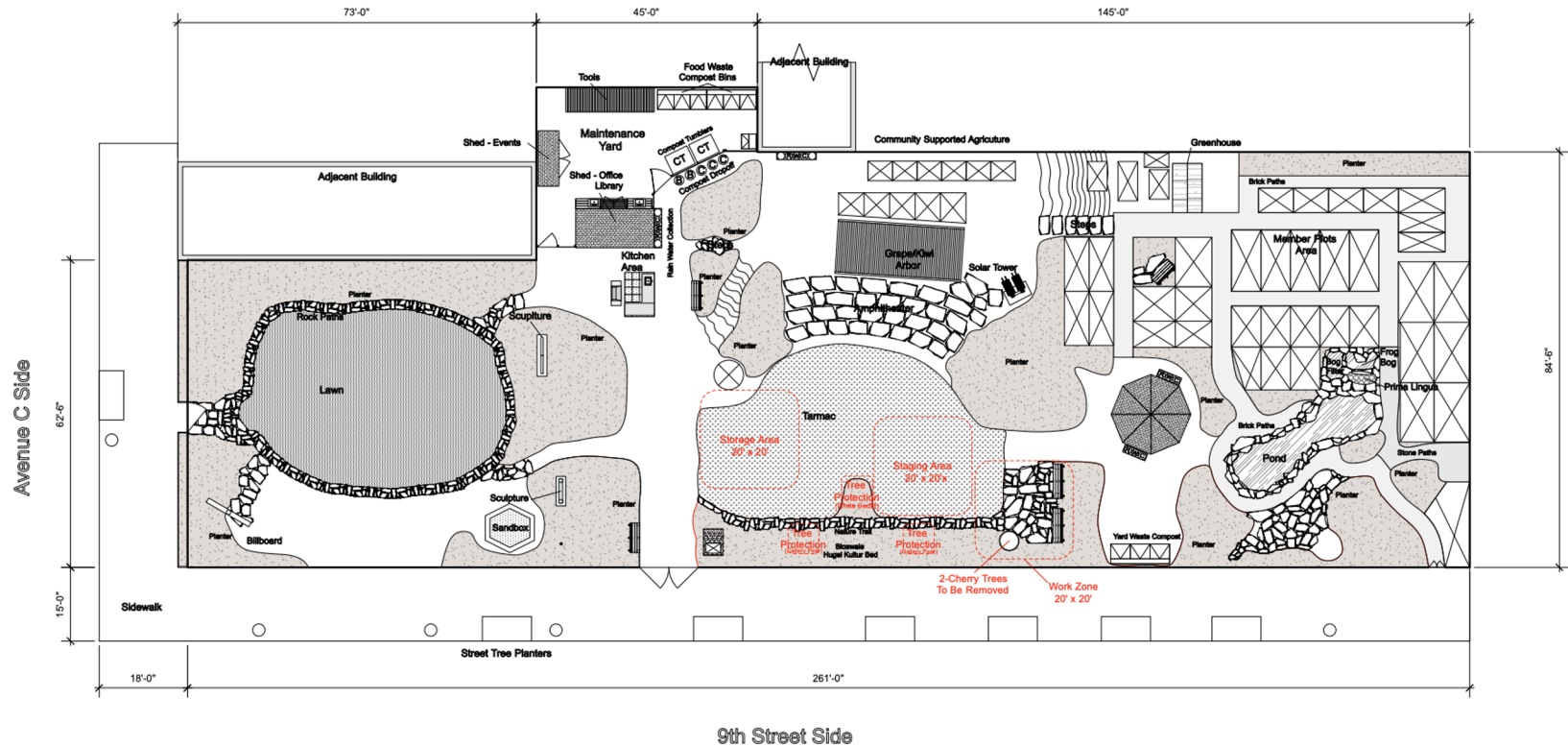
- Provide community infrastructure for meeting teaching and event space
- Demonstrate sustainability and permaculture principles in an urban setting
- Increase neighborhood resiliency by providing a public grid-independent power source

Neighborhood Location

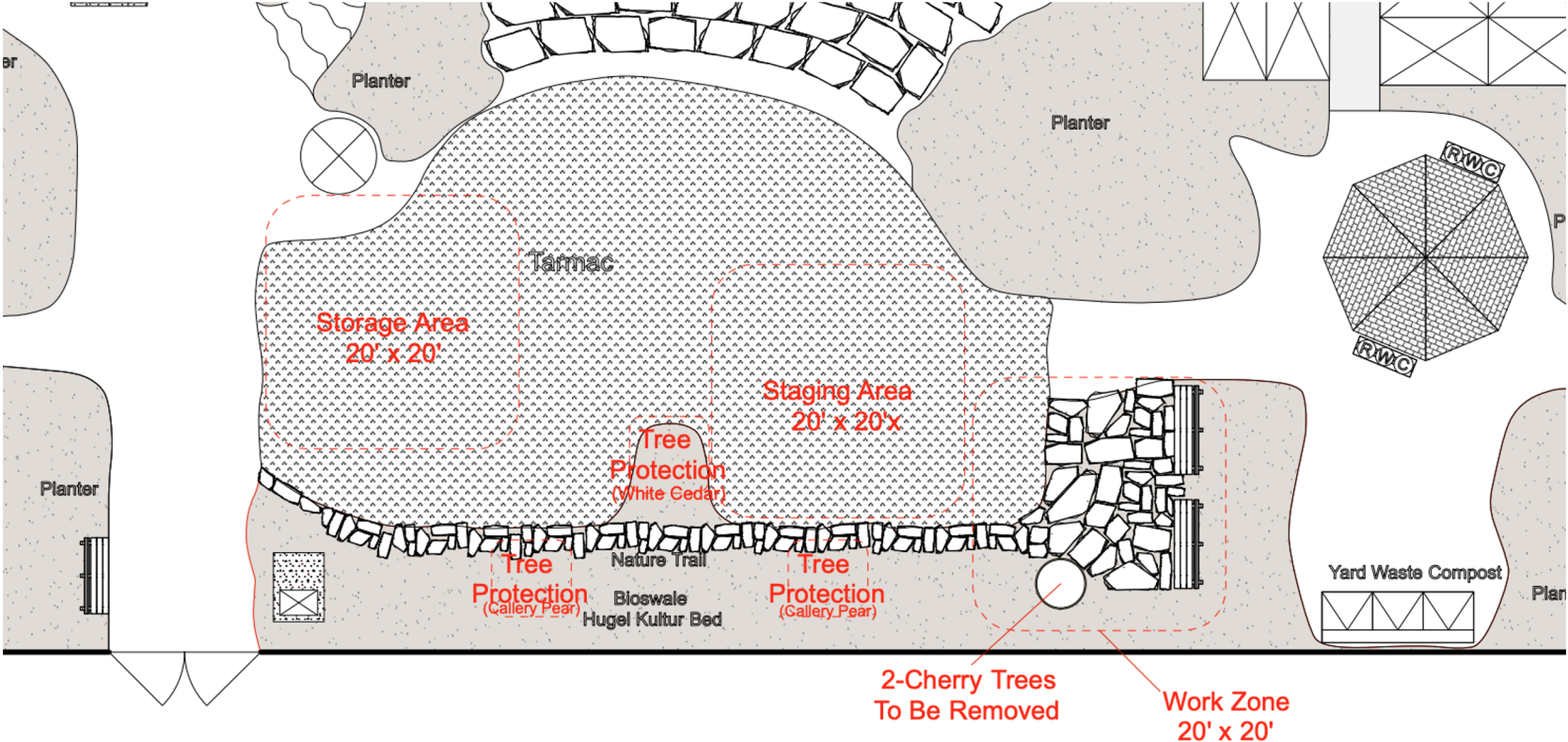
National Flood Hazard Layer FIRMette



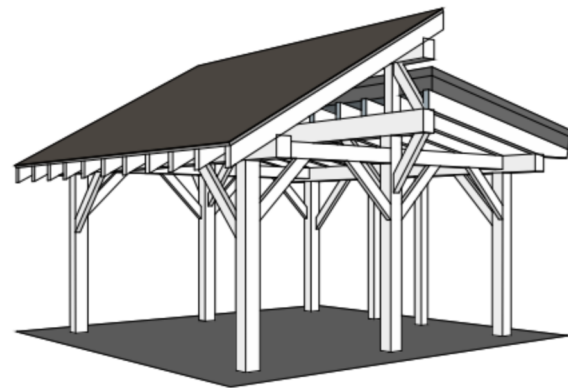
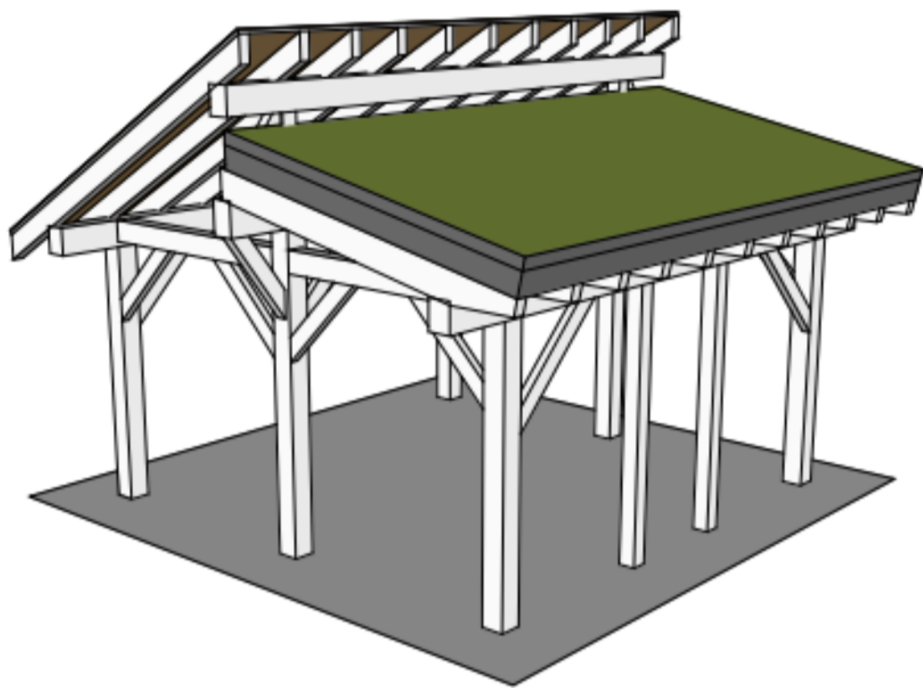
Site Plan



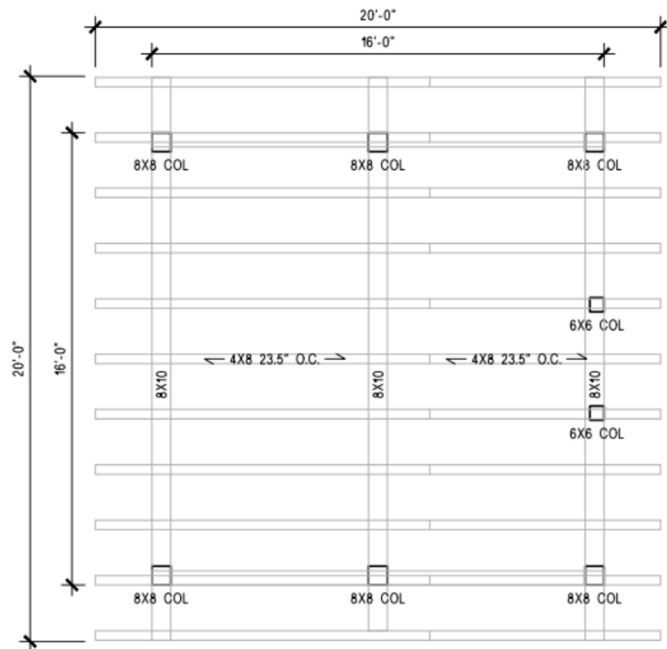
Work Zone



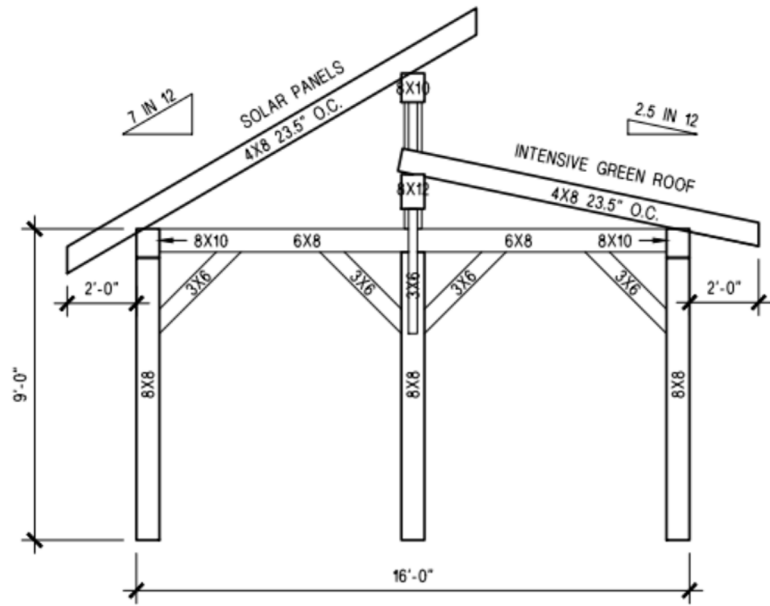
Design: 3D Render



Design: Schematics

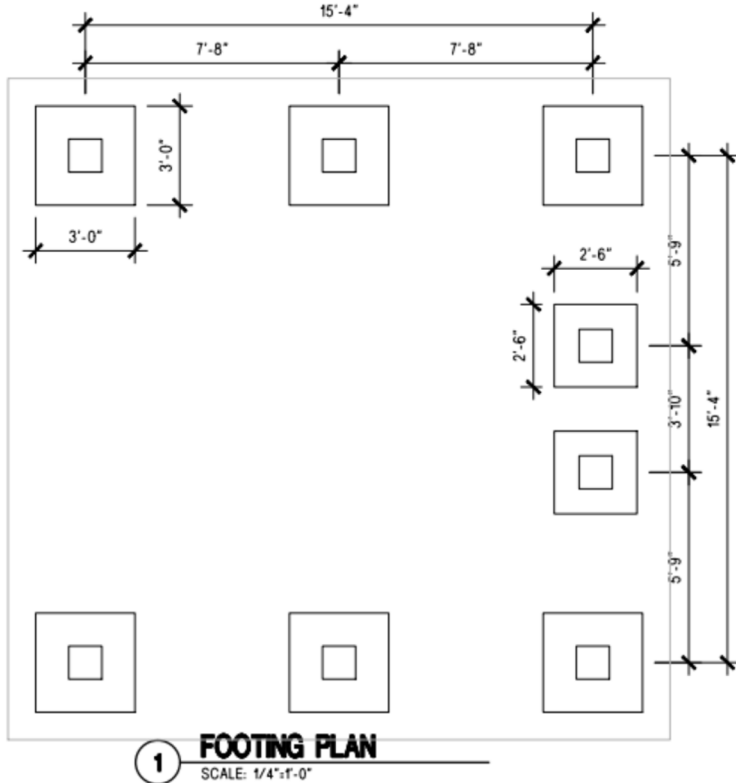
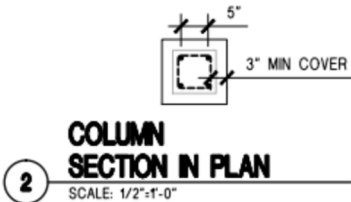
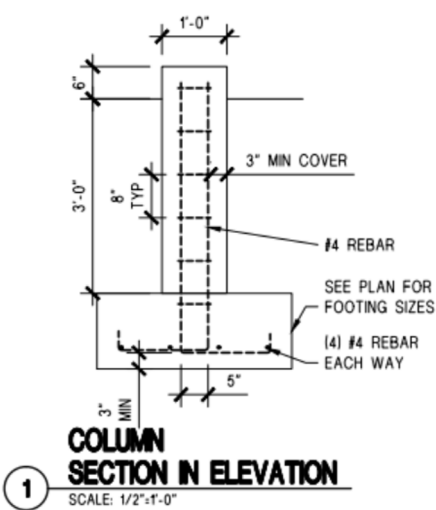


1 PLAN
SCALE: 1/4"=1'-0"

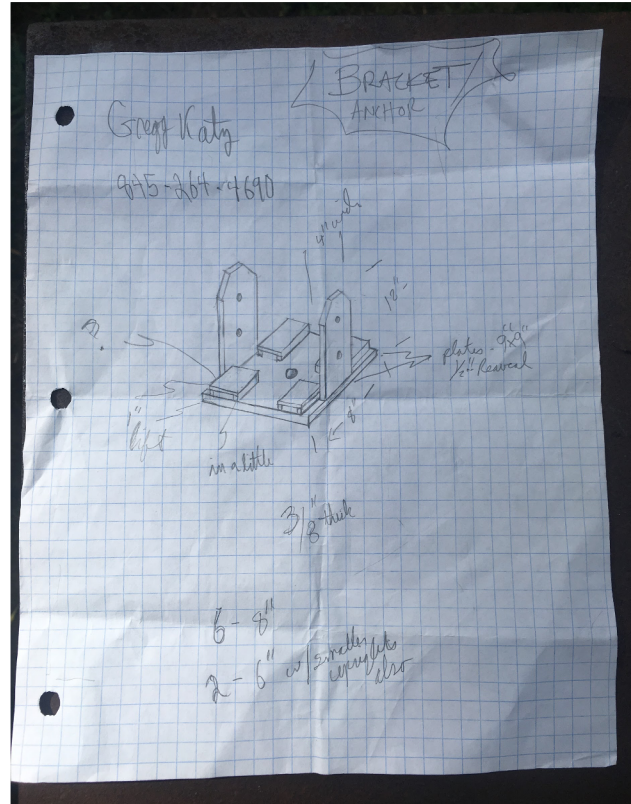


2 WEST ELEVATION
SCALE: 1/4"=1'-0"

Design: Foundation

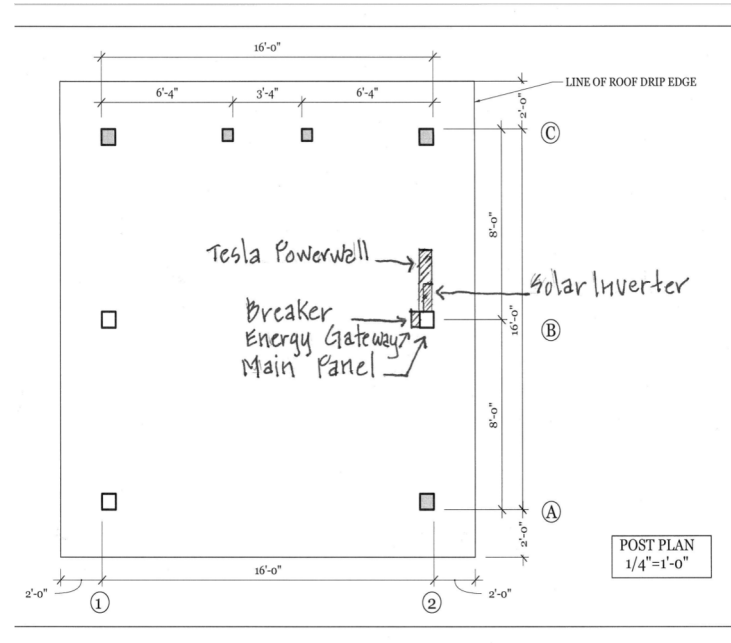
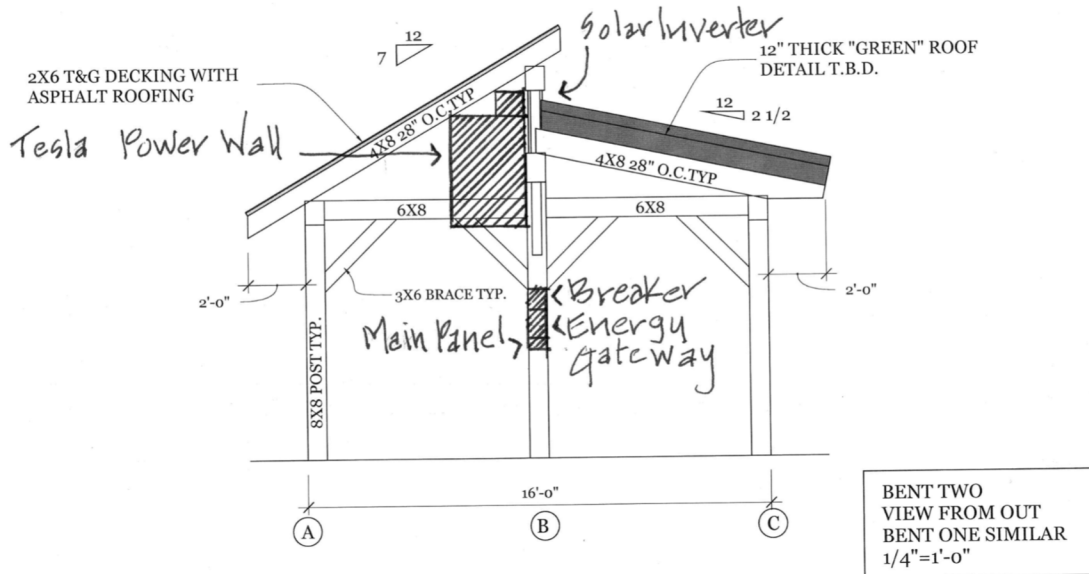


Design: Anchor

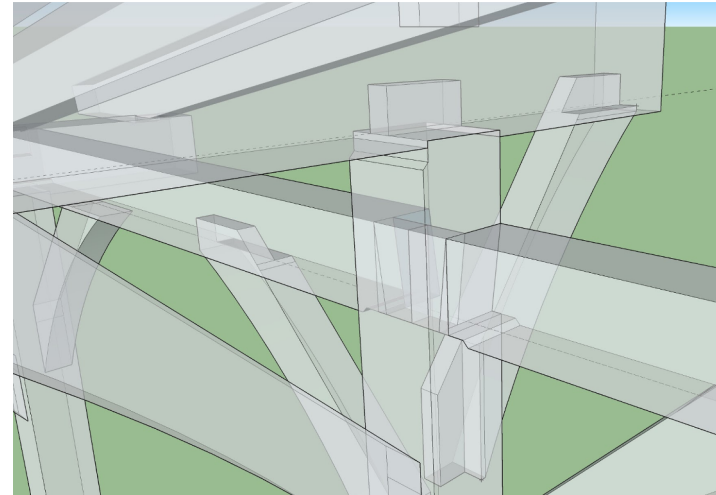
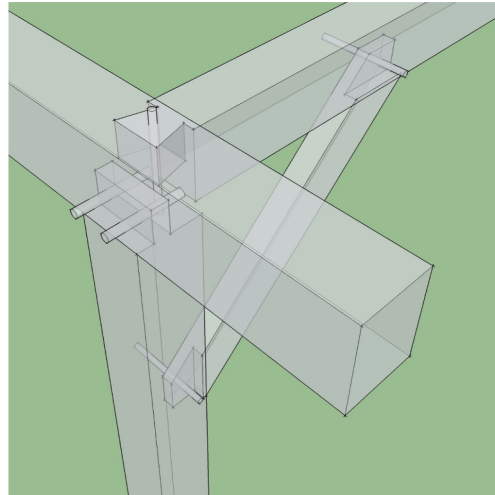
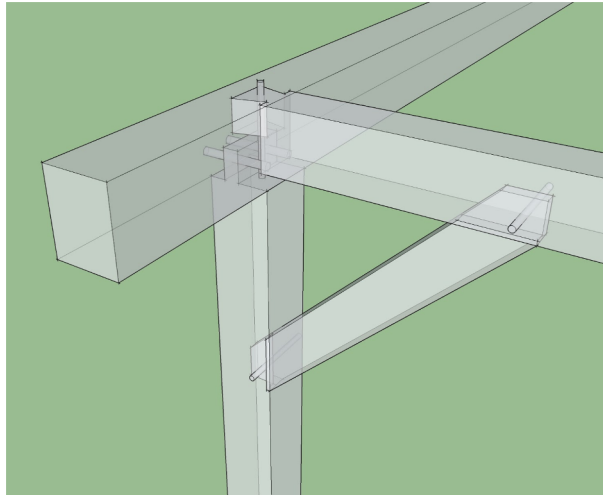
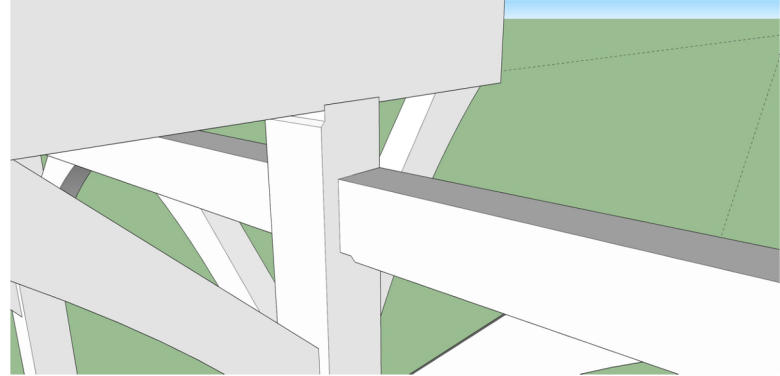
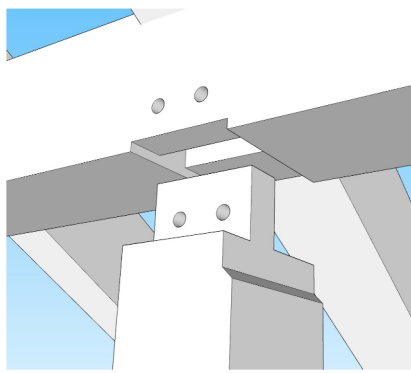


Design Battery Housing

Battery Mounting

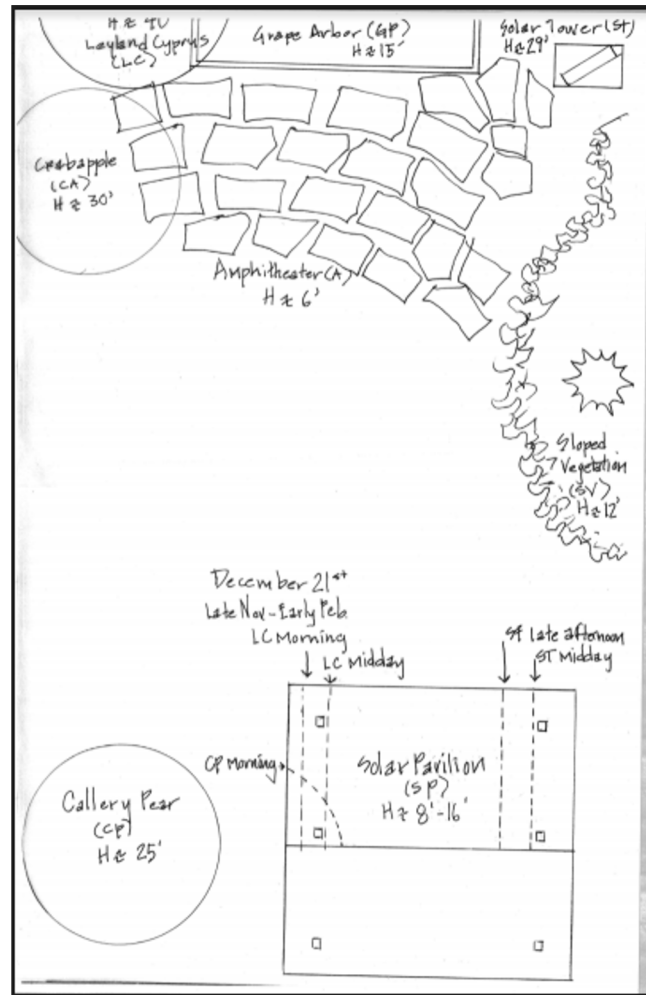
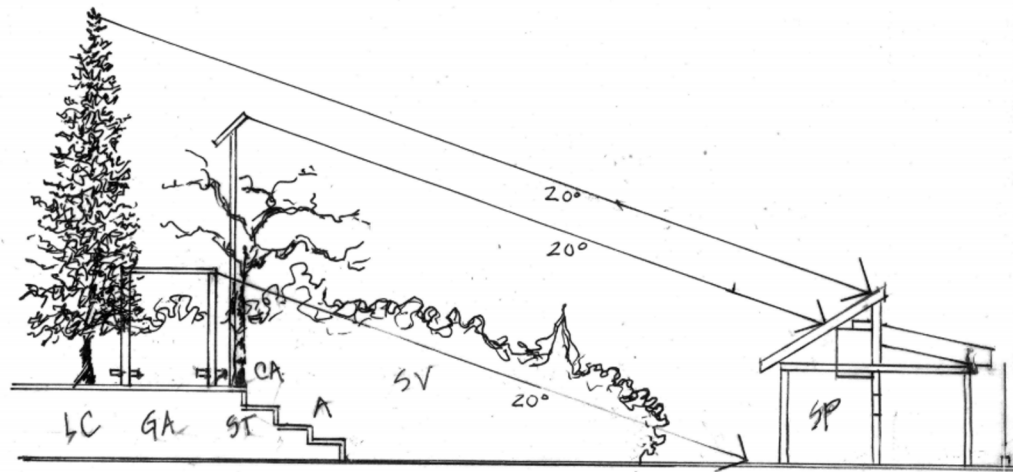


Design: Joinery Details



Shade Study

SUN SHADE ANGLES



Materials: Lumber

- All timbers are made from white pine sourced from upstate New York.
- Wood is harvested using sustainable horse logging techniques.



Materials: Solar

- Translucent panels will allow light to enter the structure while generating sustainable electricity.

